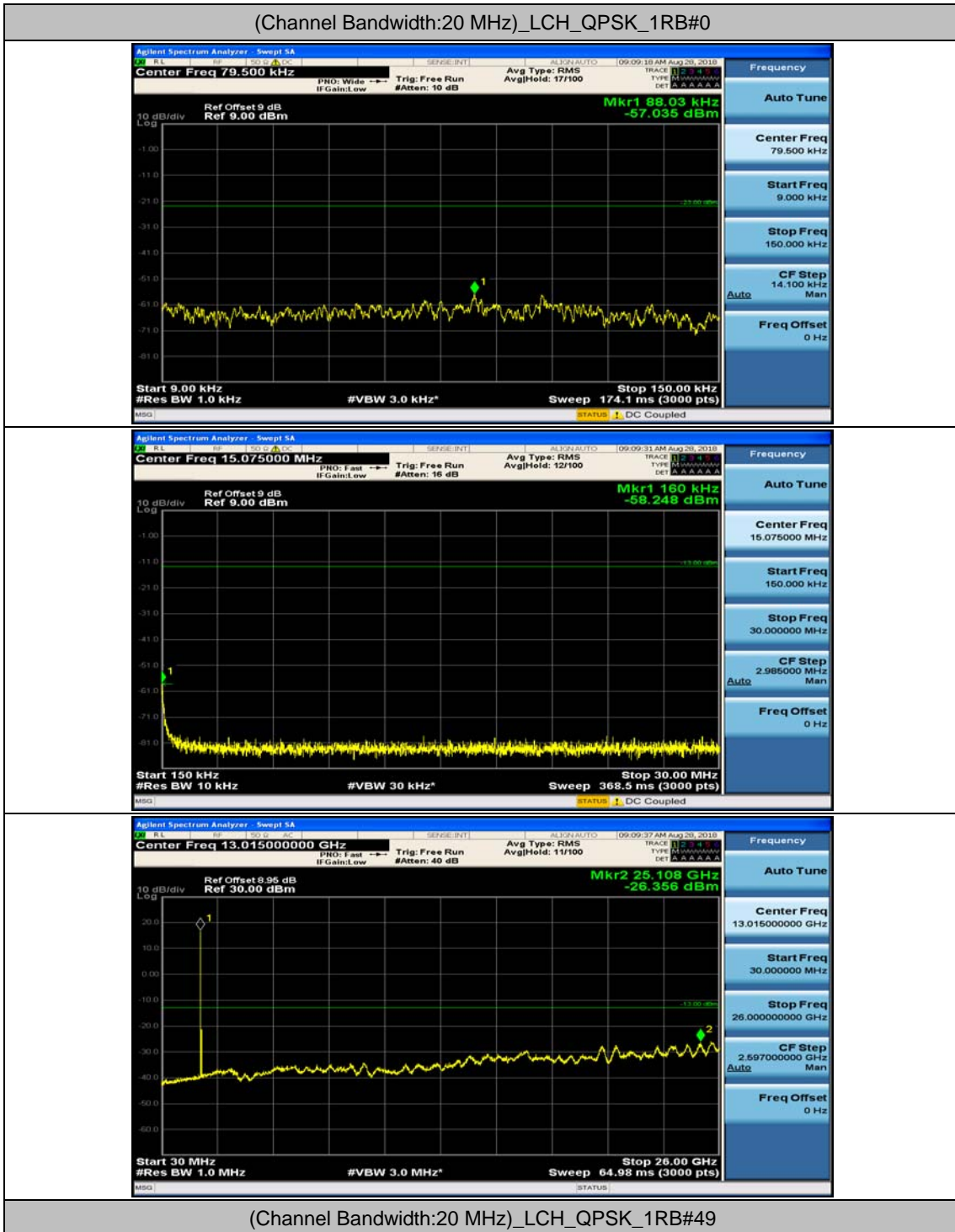
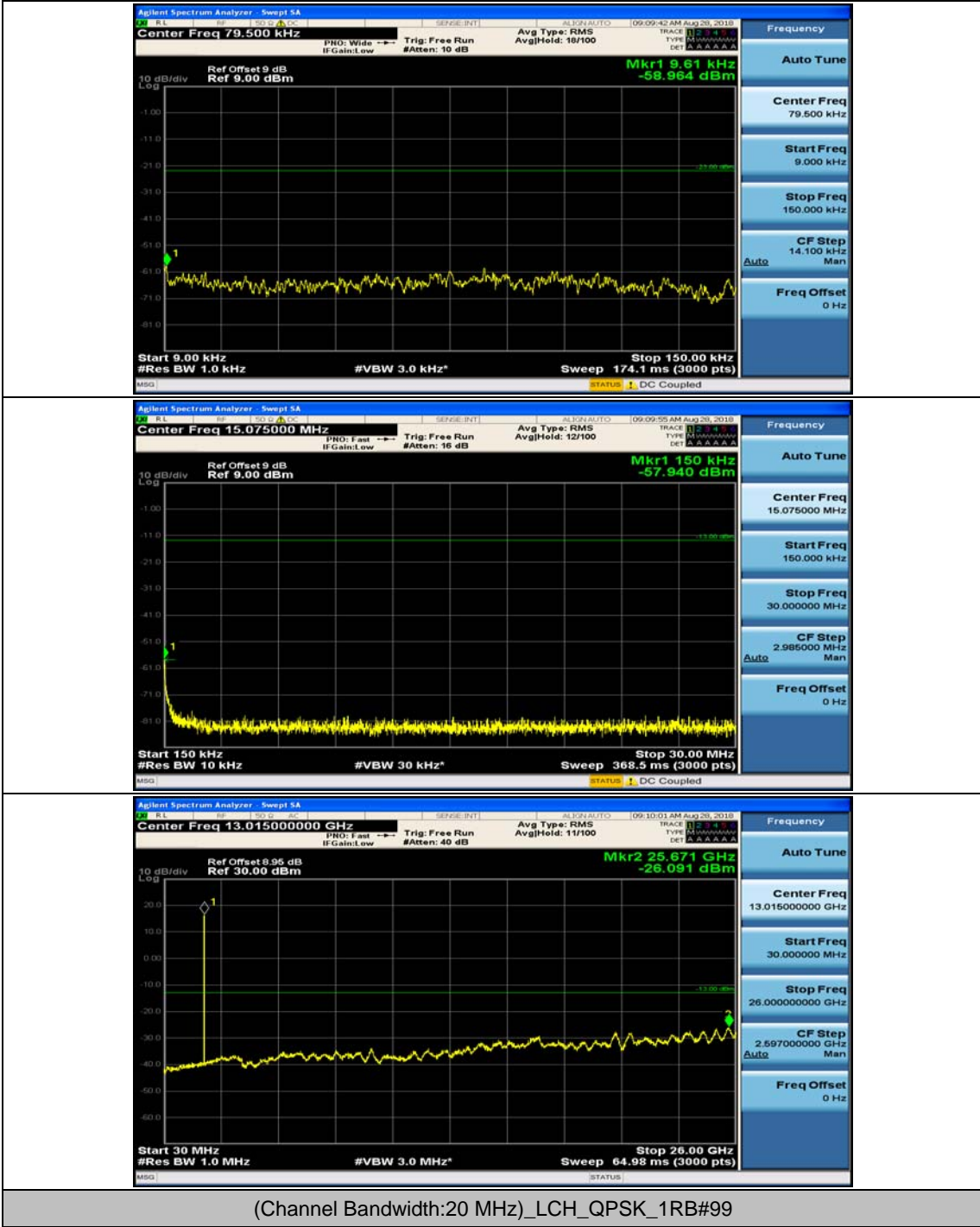
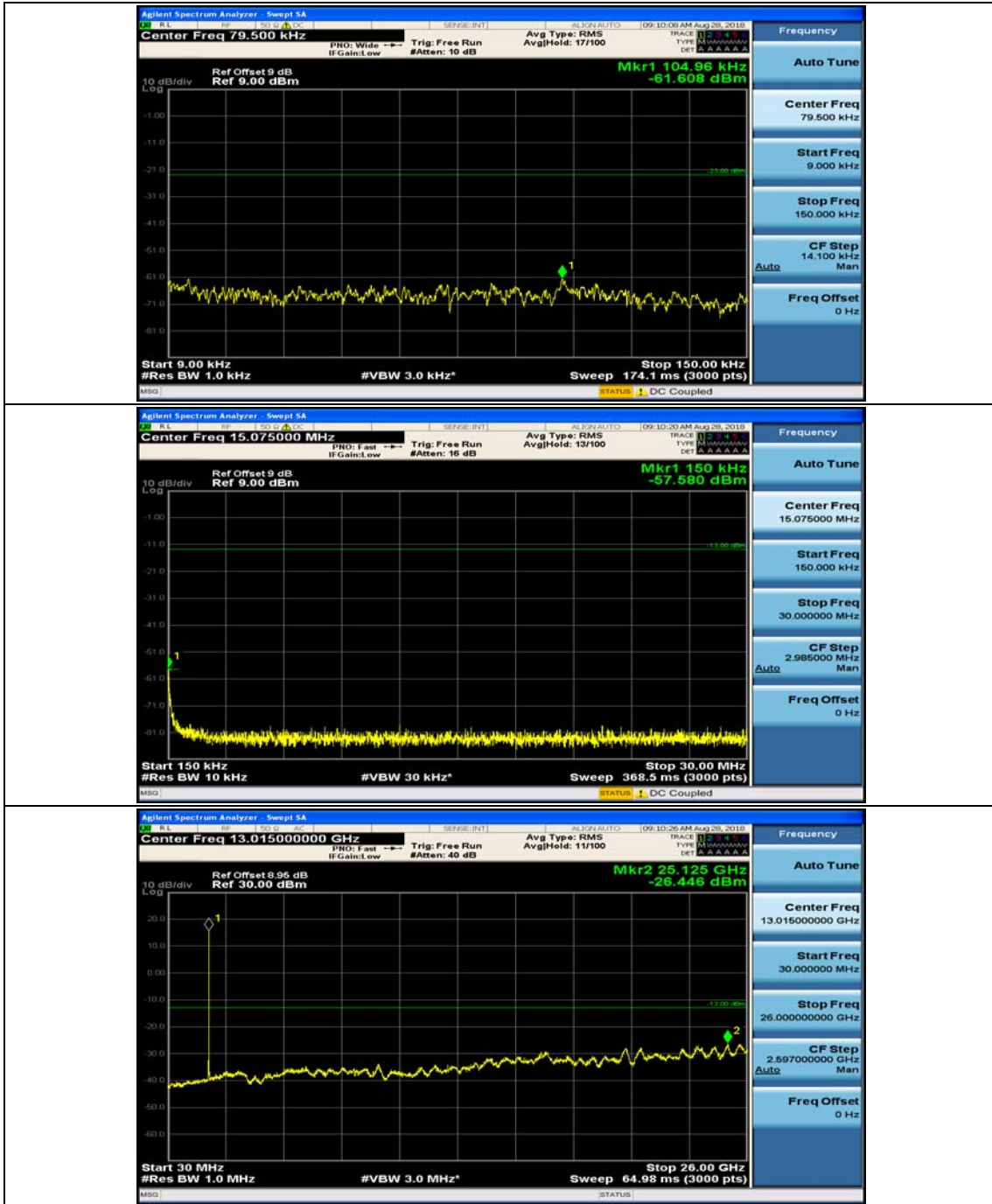


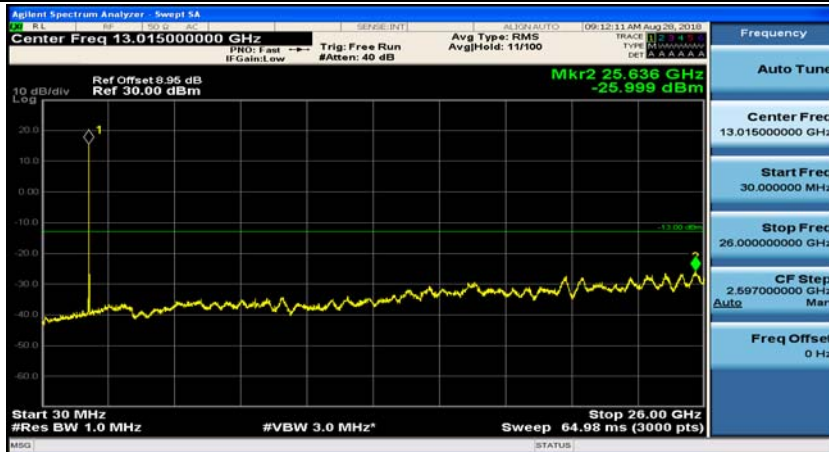
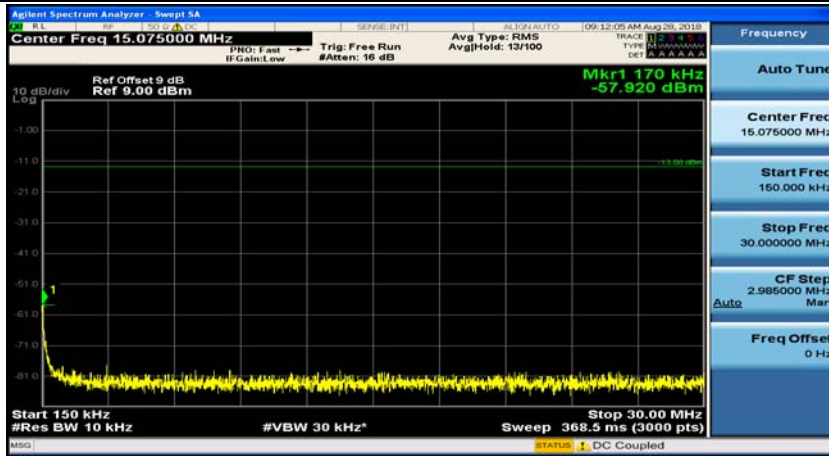
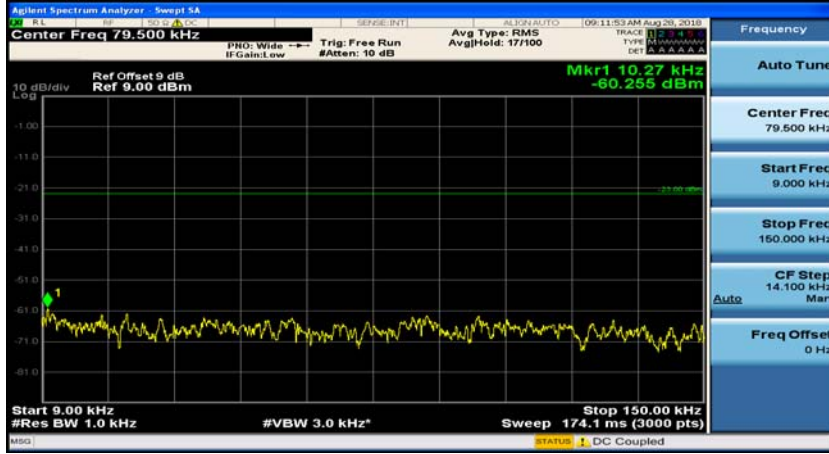
### Channel Bandwidth: 20 MHz





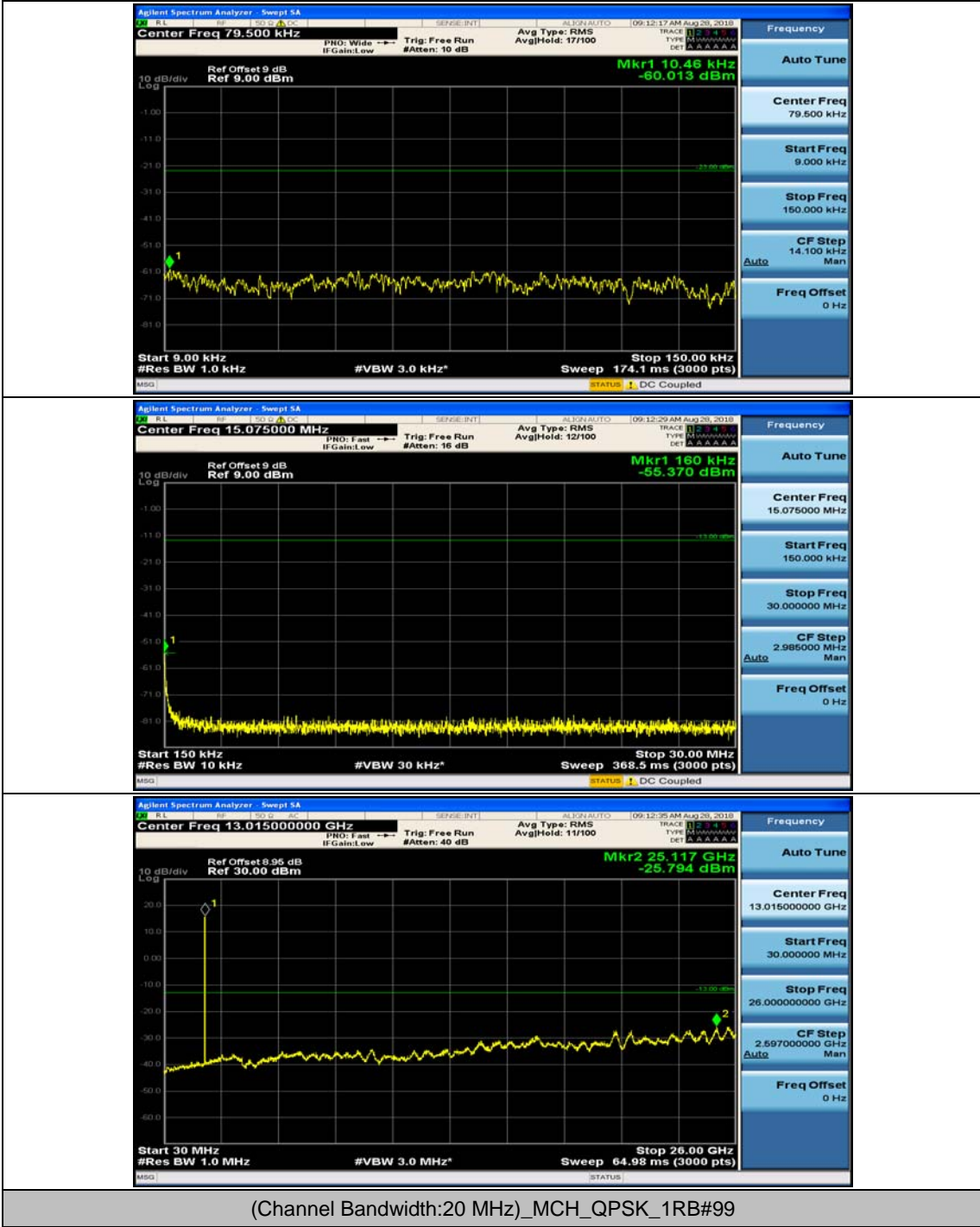


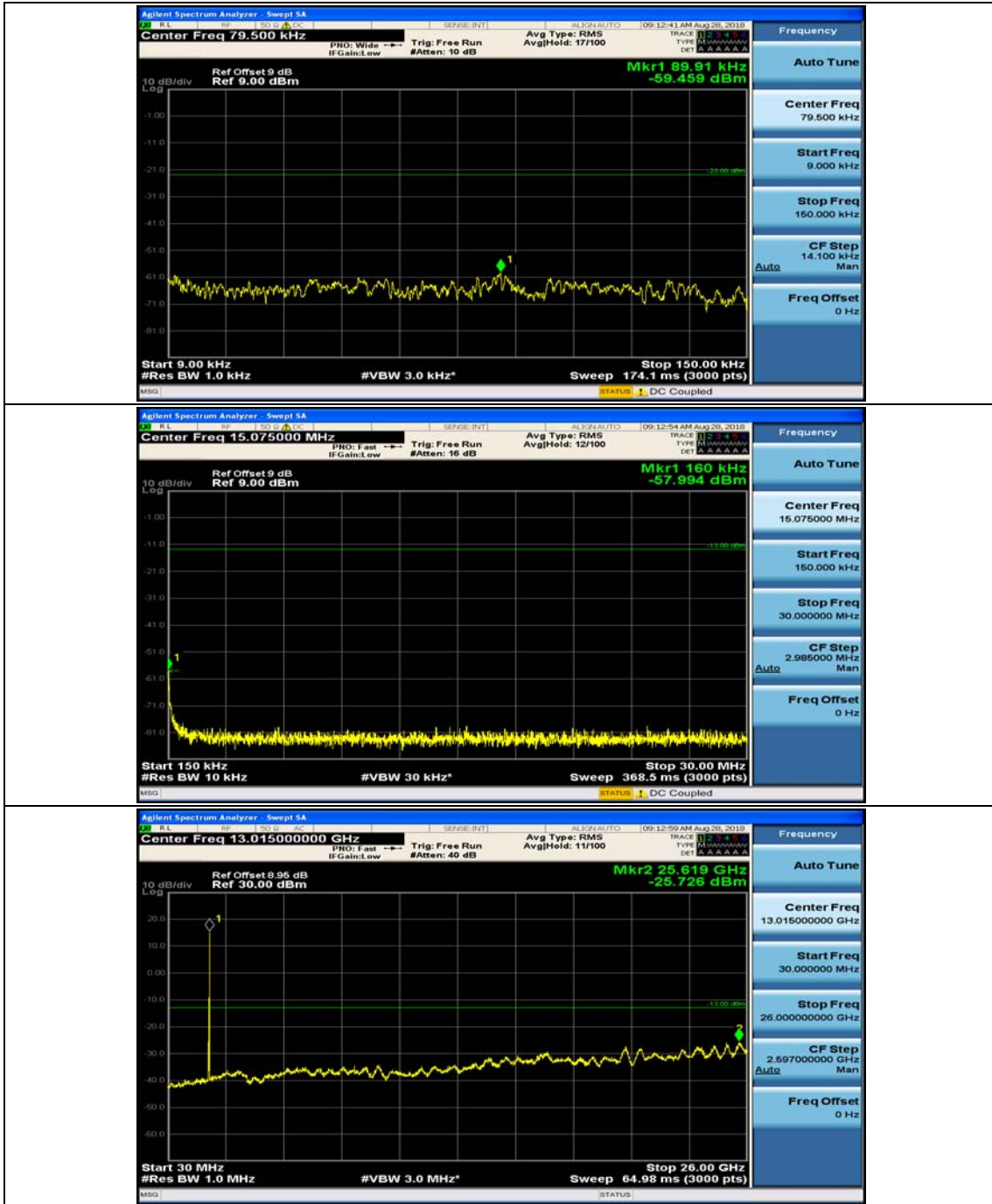
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



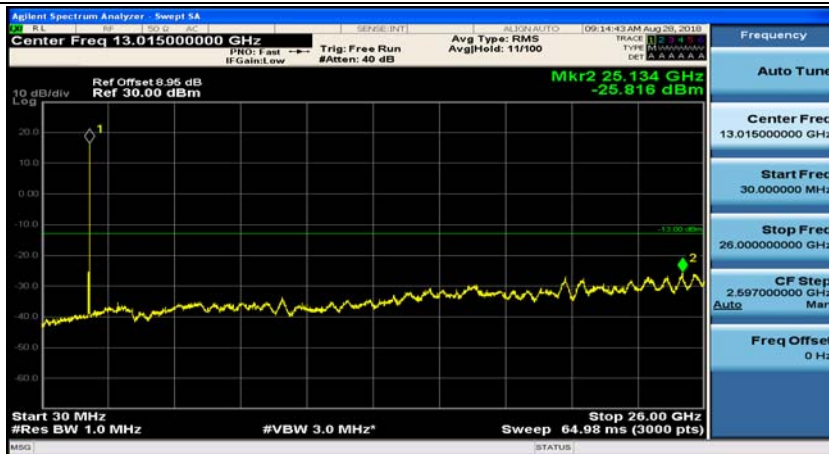
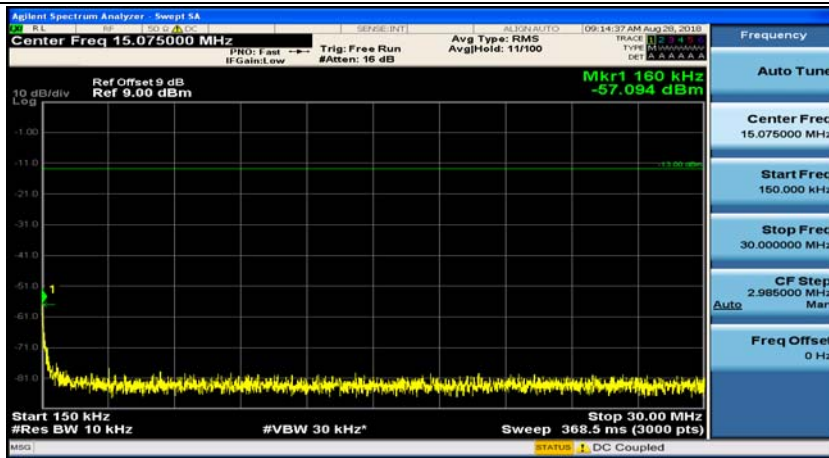
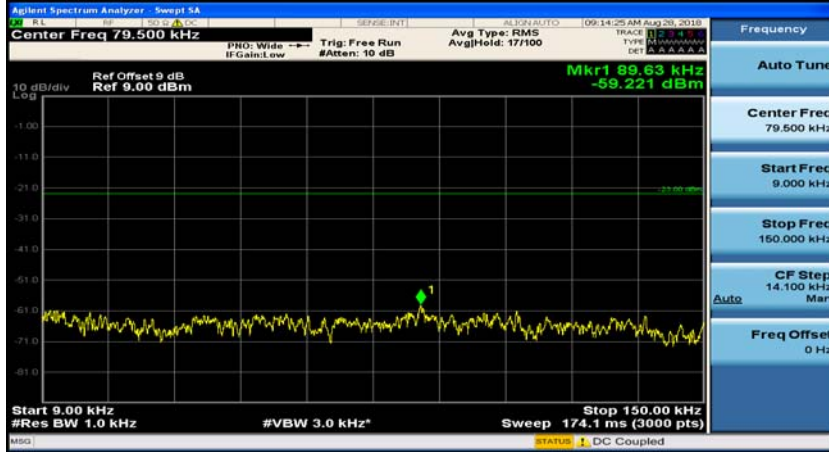
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49





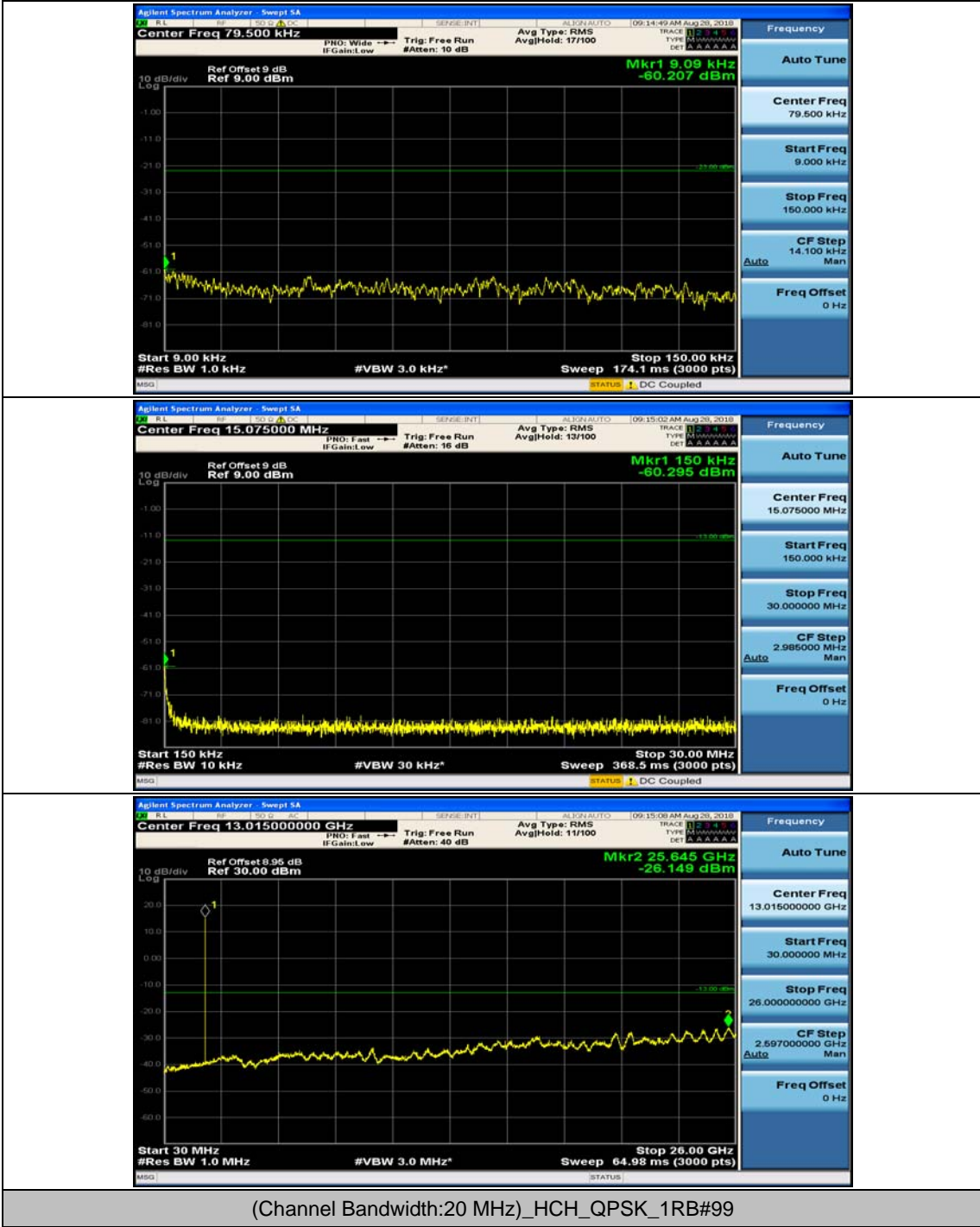


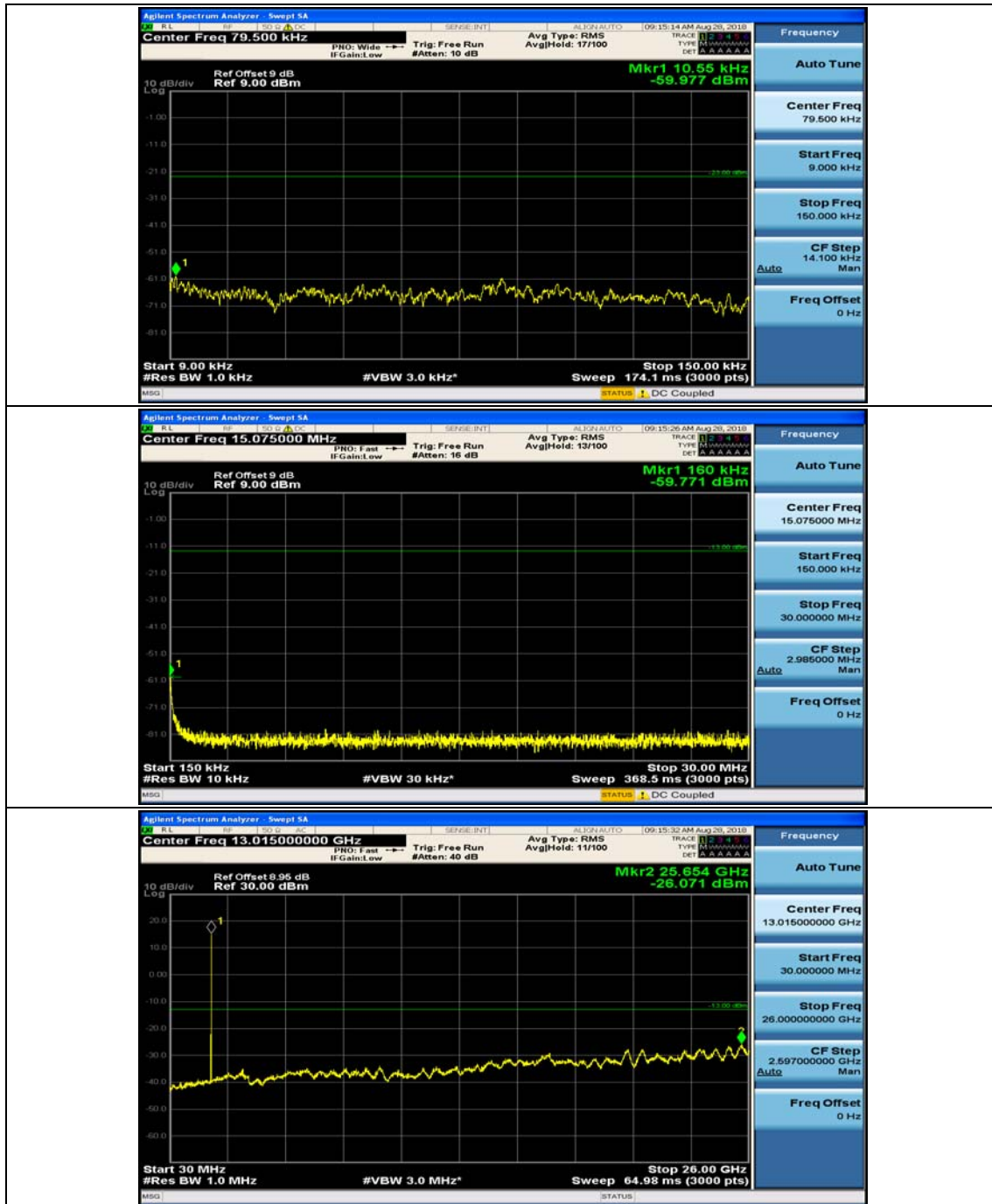
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0



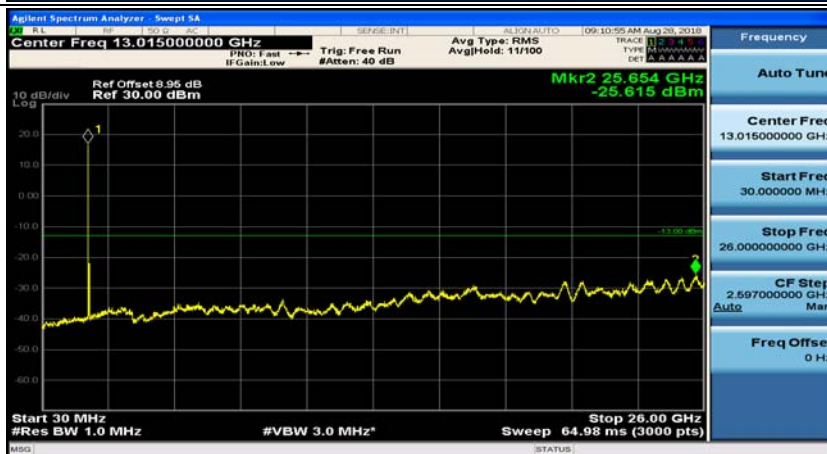
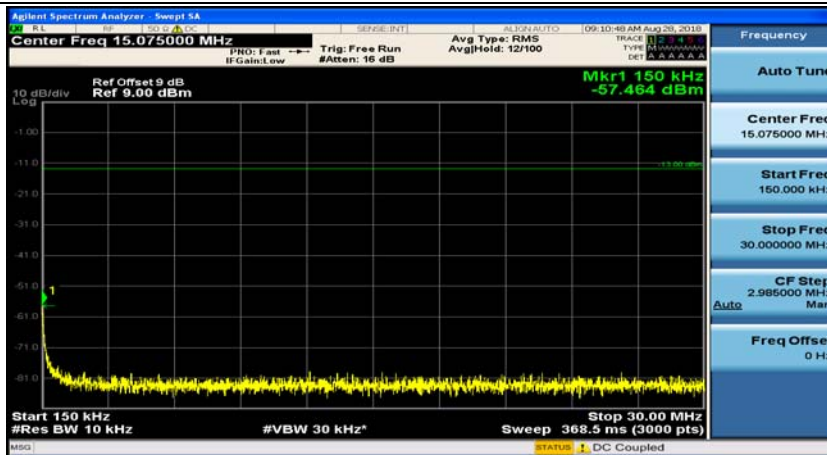
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49



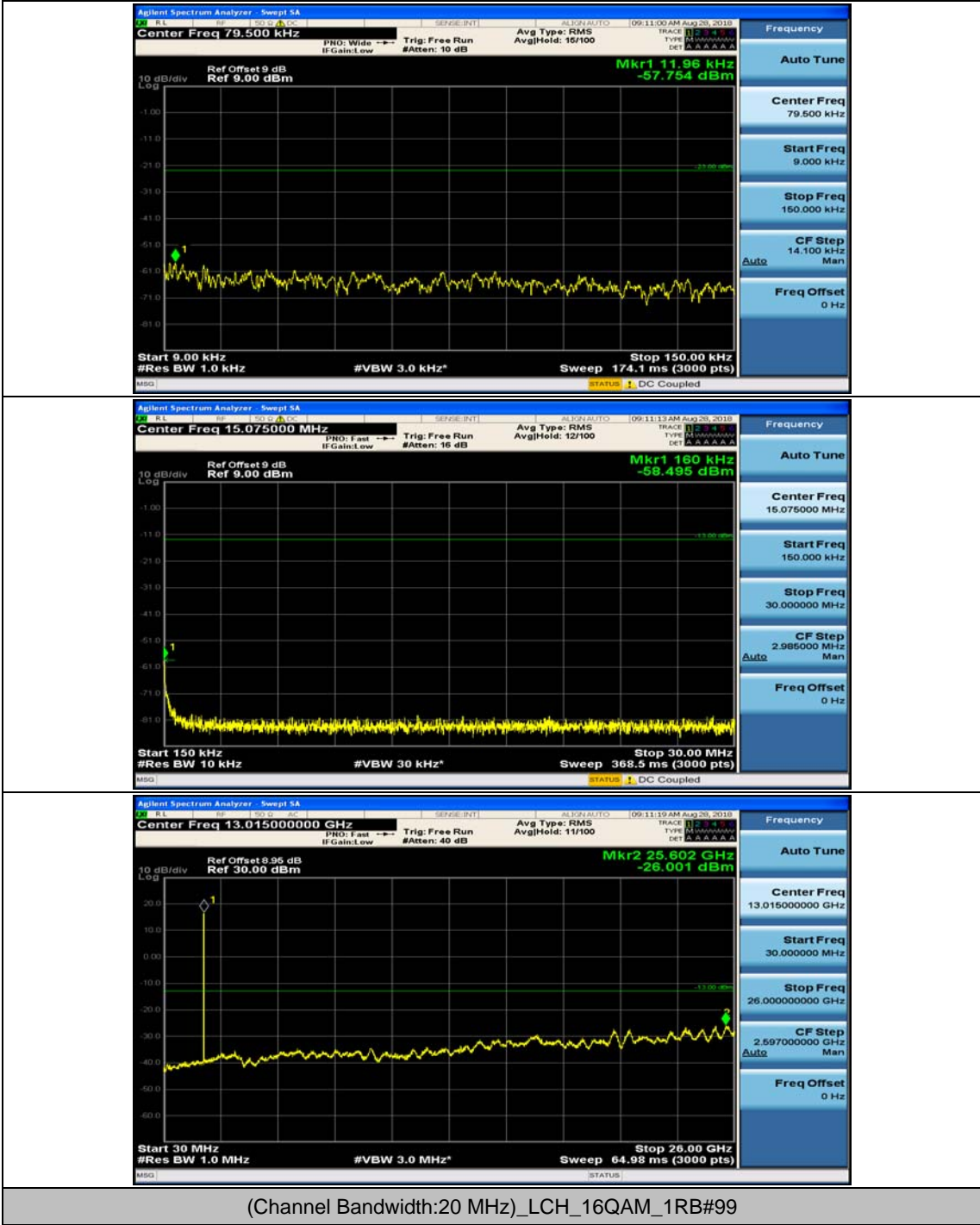


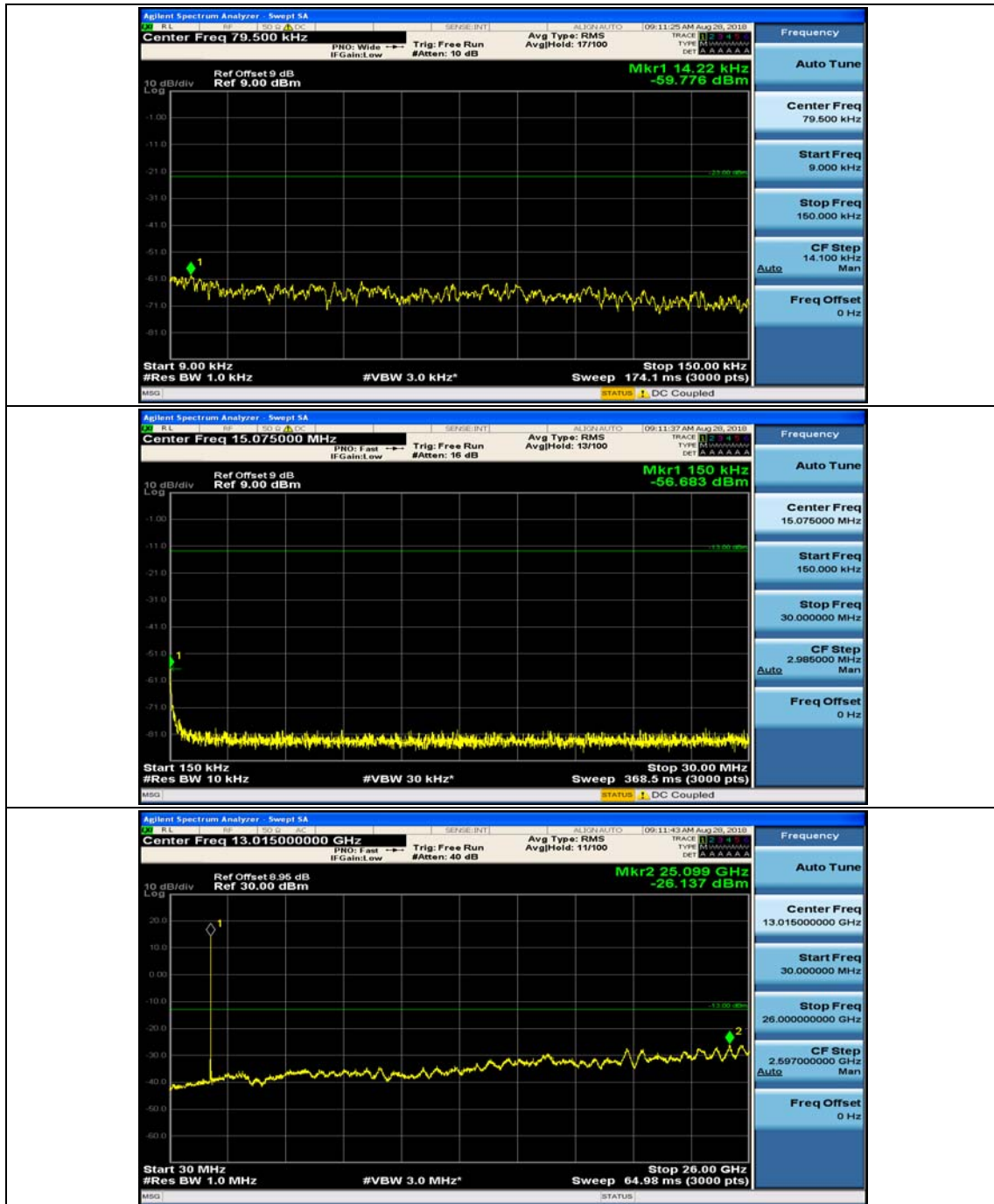


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



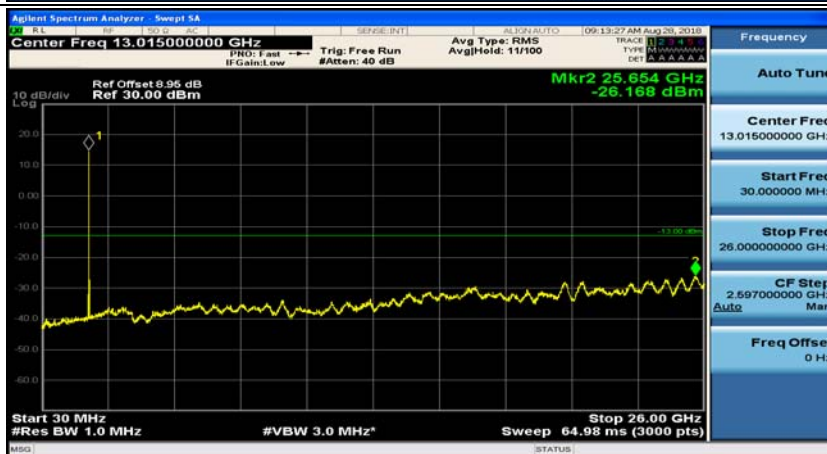
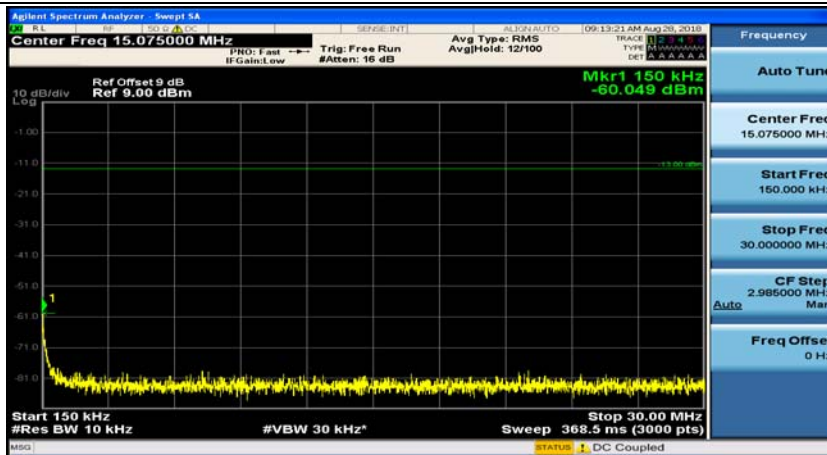
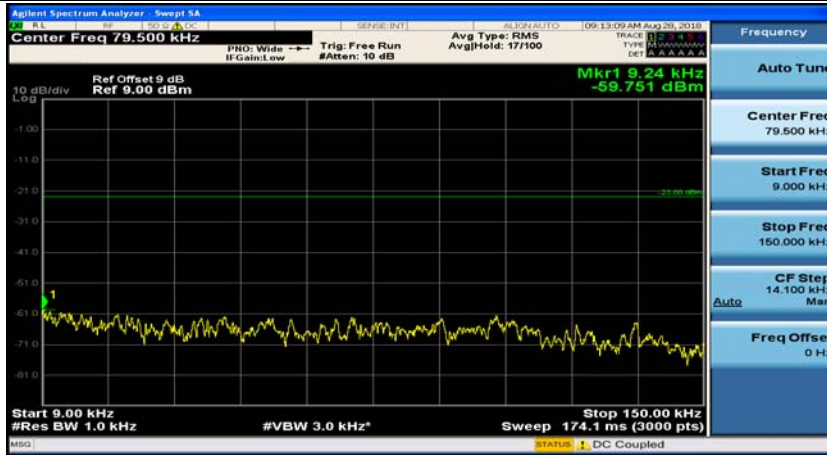
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



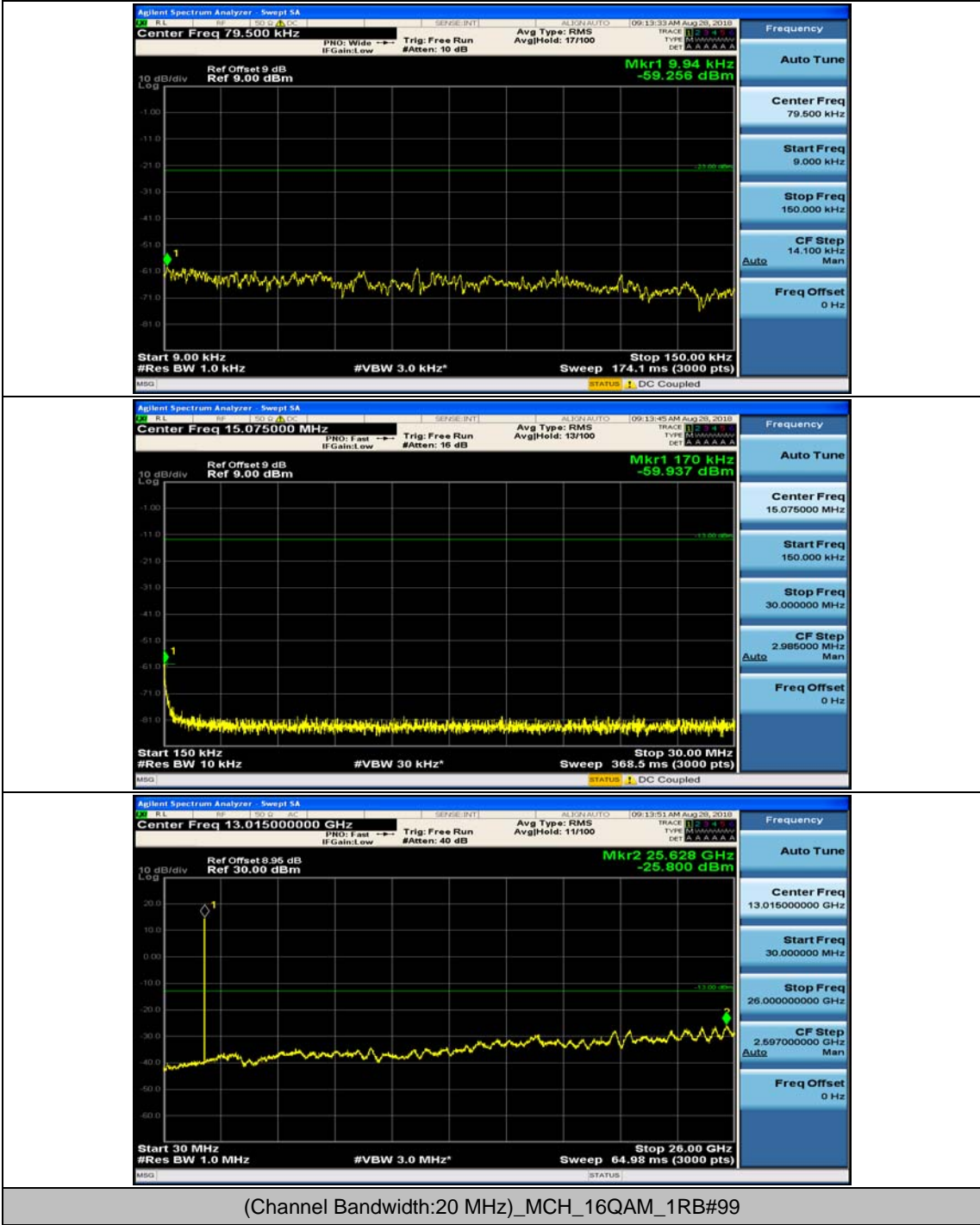


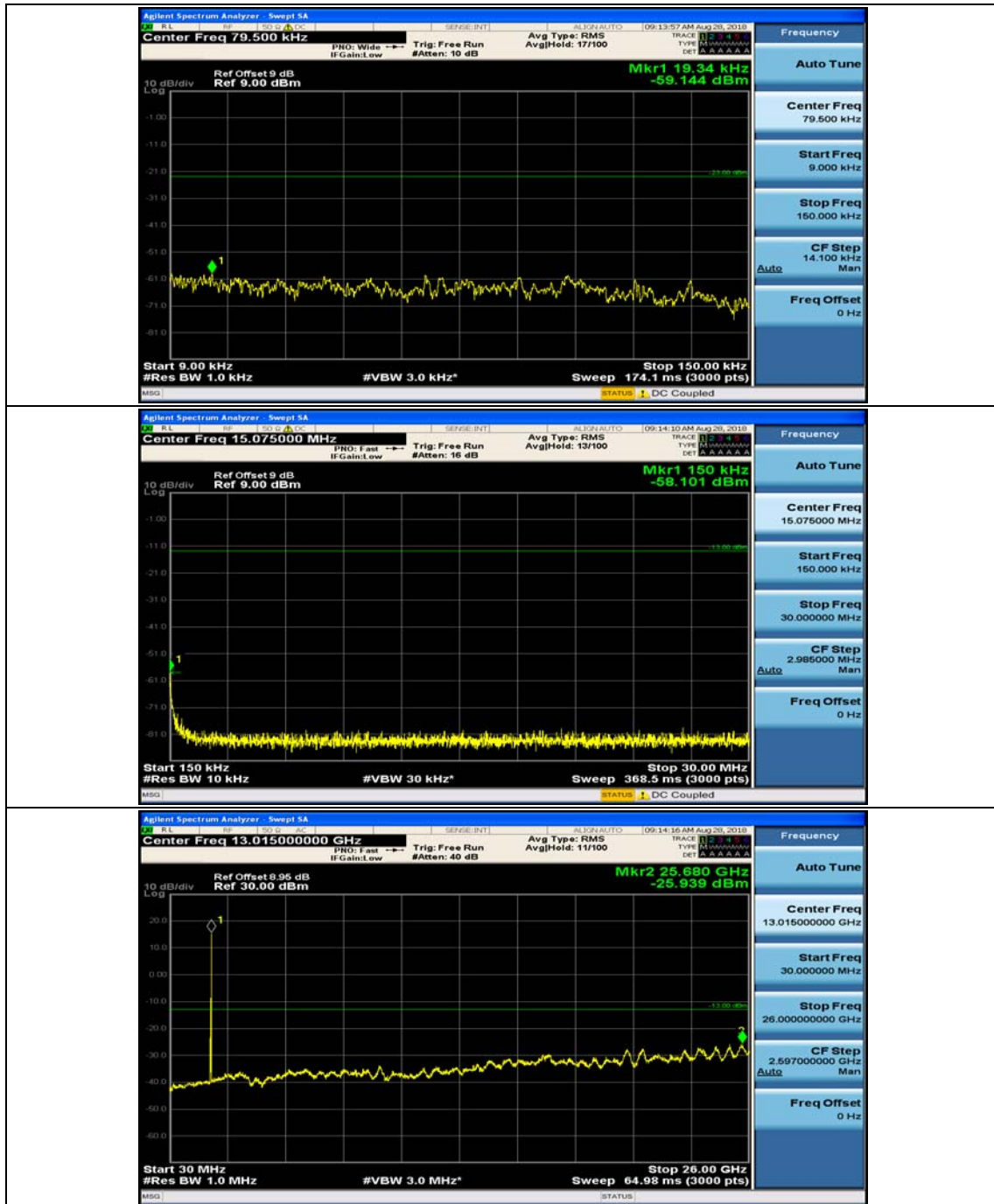


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

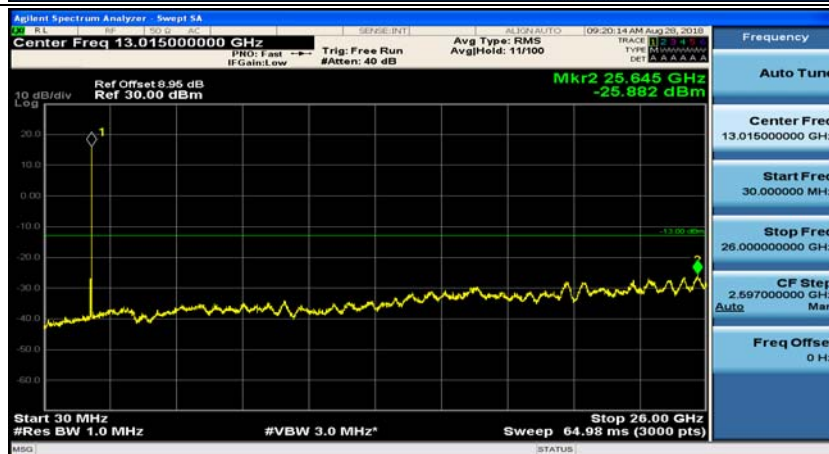
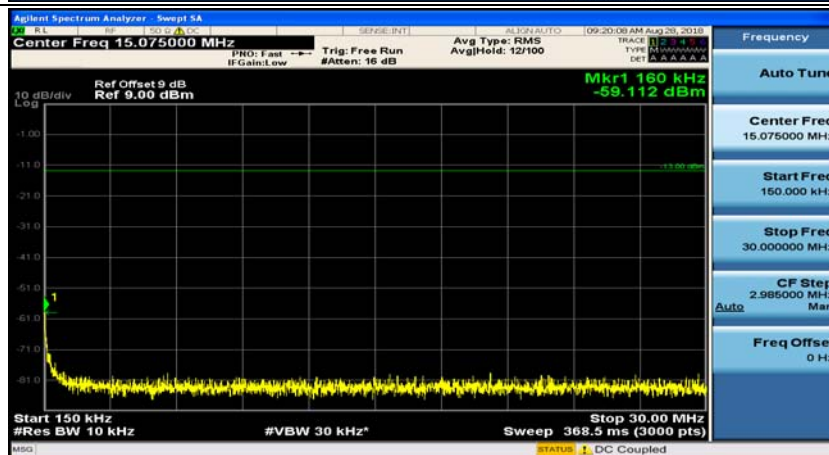
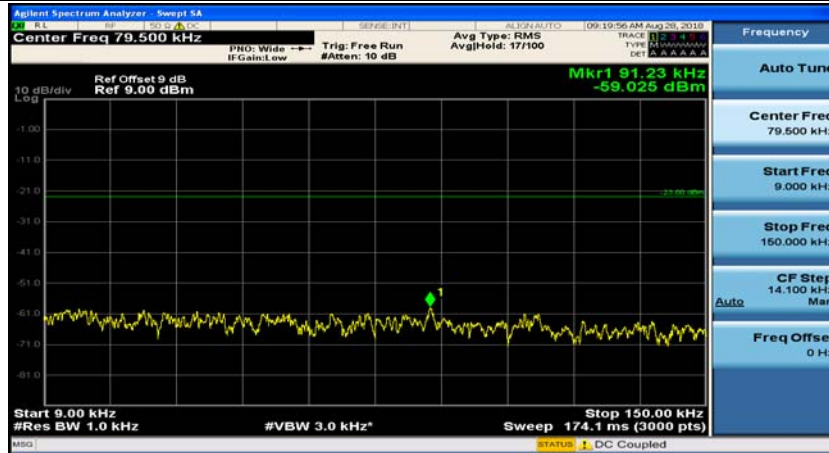


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

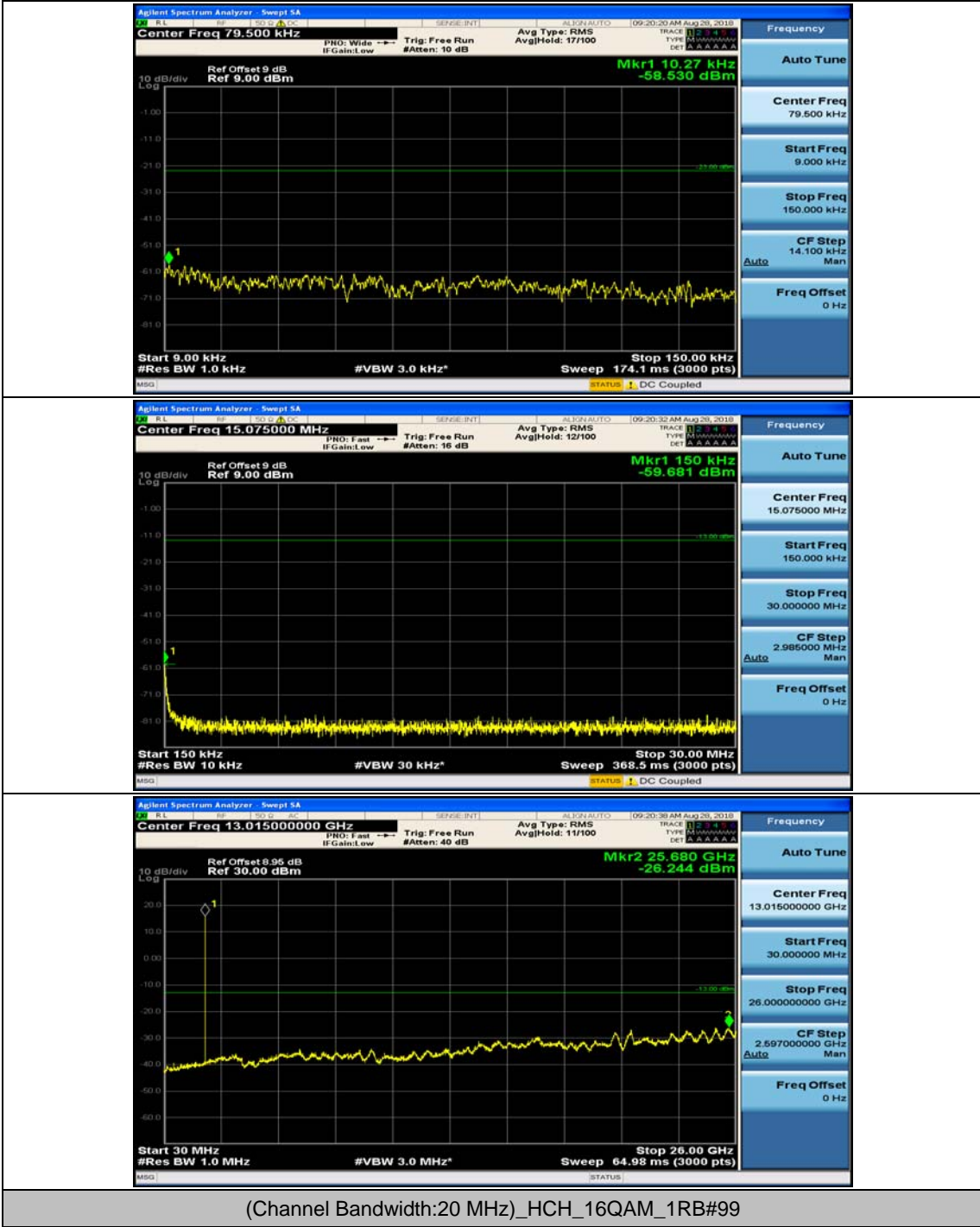




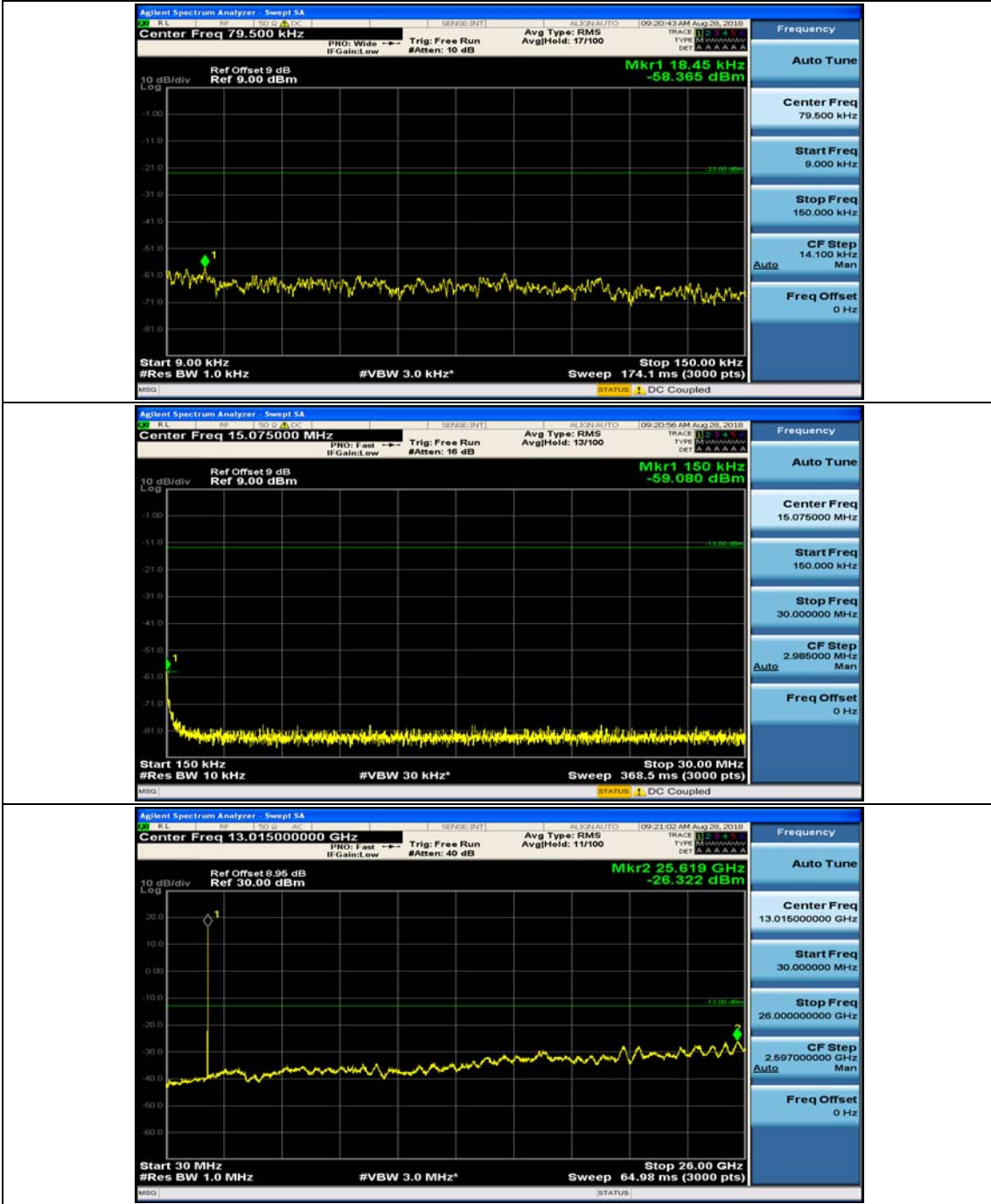
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	0.46	0.000249	± 2.5	PASS
		VN	TN	0.37	0.000200	± 2.5	PASS
		VH	TN	1.4	0.000756	± 2.5	PASS
	MCH	VL	TN	4.79	0.002548	± 2.5	PASS
		VN	TN	4.11	0.002186	± 2.5	PASS
		VH	TN	1.26	0.000670	± 2.5	PASS
	HCH	VL	TN	-0.93	-0.000487	± 2.5	PASS
		VN	TN	-1.12	-0.000587	± 2.5	PASS
		VH	TN	0.68	0.000356	± 2.5	PASS
16QAM	LCH	VL	TN	1.08	0.000584	± 2.5	PASS
		VN	TN	4.71	0.002545	± 2.5	PASS
		VH	TN	4.08	0.002205	± 2.5	PASS
	MCH	VL	TN	0.42	0.000223	± 2.5	PASS
		VN	TN	-2	-0.001064	± 2.5	PASS
		VH	TN	3.89	0.002069	± 2.5	PASS
	HCH	VL	TN	-1.13	-0.000592	± 2.5	PASS
		VN	TN	-0.38	-0.000199	± 2.5	PASS
		VH	TN	-0.31	-0.000162	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.8	0.002053	± 2.5	PASS
		VN	-20	0.65	0.000351	± 2.5	PASS
		VN	-10	3.08	0.001664	± 2.5	PASS
		VN	0	1.78	0.000962	± 2.5	PASS
		VN	10	4.27	0.002307	± 2.5	PASS
		VN	20	-1.43	-0.000773	± 2.5	PASS
		VN	30	4.31	0.002329	± 2.5	PASS
		VN	40	3.66	0.001978	± 2.5	PASS
		VN	50	0.49	0.000265	± 2.5	PASS
	MCH	VN	-30	3.11	0.001654	± 2.5	PASS

	VN	VN	-20	-0.21	-0.000112	± 2.5	PASS
		VN	-10	-0.95	-0.000505	± 2.5	PASS
		VN	0	-1.64	-0.000872	± 2.5	PASS
		VN	10	-0.82	-0.000436	± 2.5	PASS
		VN	20	-0.18	-0.000096	± 2.5	PASS
		VN	30	-1.37	-0.000729	± 2.5	PASS
		VN	40	-0.36	-0.000191	± 2.5	PASS
		VN	50	3.38	0.001798	± 2.5	PASS
	HCH	VN	-30	4.19	0.002195	± 2.5	PASS
		VN	-20	3.37	0.001765	± 2.5	PASS
		VN	-10	0.38	0.000199	± 2.5	PASS
		VN	0	2.13	0.001116	± 2.5	PASS
		VN	10	1.28	0.000670	± 2.5	PASS
		VN	20	2.14	0.001121	± 2.5	PASS
		VN	30	2.38	0.001247	± 2.5	PASS
		VN	40	-0.9	-0.000471	± 2.5	PASS
		VN	50	-0.18	-0.000094	± 2.5	PASS
		16QAM	LCH	VN	-30	1.93	0.001043
VN	-20			1.29	0.000697	± 2.5	PASS
VN	-10			0.96	0.000519	± 2.5	PASS
VN	0			1.99	0.001075	± 2.5	PASS
VN	10			0.08	0.000043	± 2.5	PASS
VN	20			-1.25	-0.000675	± 2.5	PASS
VN	30			0.66	0.000357	± 2.5	PASS
VN	40			3.08	0.001664	± 2.5	PASS
VN	50			1.68	0.000908	± 2.5	PASS
MCH	VN		-30	-1.59	-0.000846	± 2.5	PASS
	VN		-20	0.57	0.000303	± 2.5	PASS
	VN		-10	3.66	0.001947	± 2.5	PASS
	VN		0	1.8	0.000957	± 2.5	PASS
	VN		10	-1.05	-0.000559	± 2.5	PASS
	VN		20	0.09	0.000048	± 2.5	PASS
	VN		30	4.2	0.002234	± 2.5	PASS
	VN		40	4.92	0.002617	± 2.5	PASS
	VN		50	4.61	0.002452	± 2.5	PASS
HCH	VN		-30	0.06	0.000031	± 2.5	PASS
	VN		-20	1.49	0.000780	± 2.5	PASS
	VN		-10	3.17	0.001660	± 2.5	PASS
	VN		0	2.87	0.001503	± 2.5	PASS
	VN		10	0.59	0.000309	± 2.5	PASS
	VN		20	-0.39	-0.000204	± 2.5	PASS

		VN	30	1.16	0.000608	± 2.5	PASS
		VN	40	3.41	0.001786	± 2.5	PASS
		VN	50	4.51	0.002362	± 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	4.75	0.002565	± 2.5	PASS
		VN	TN	3.78	0.002042	± 2.5	PASS
		VH	TN	4.78	0.002582	± 2.5	PASS
	MCH	VL	TN	1.26	0.000670	± 2.5	PASS
		VN	TN	-0.08	-0.000043	± 2.5	PASS
		VH	TN	-1.98	-0.001053	± 2.5	PASS
	HCH	VL	TN	-0.06	-0.000031	± 2.5	PASS
		VN	TN	0.76	0.000398	± 2.5	PASS
		VH	TN	3.97	0.002080	± 2.5	PASS
16QAM	LCH	VL	TN	2.25	0.001215	± 2.5	PASS
		VN	TN	-0.73	-0.000394	± 2.5	PASS
		VH	TN	4.15	0.002241	± 2.5	PASS
	MCH	VL	TN	-0.46	-0.000245	± 2.5	PASS
		VN	TN	4.46	0.002372	± 2.5	PASS
		VH	TN	-0.74	-0.000394	± 2.5	PASS
	HCH	VL	TN	0.44	0.000231	± 2.5	PASS
		VN	TN	1.82	0.000954	± 2.5	PASS
		VH	TN	3.69	0.001933	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.41	-0.000762	± 2.5	PASS
		VN	-20	-0.53	-0.000286	± 2.5	PASS
		VN	-10	0.6	0.000324	± 2.5	PASS
		VN	0	2.66	0.001437	± 2.5	PASS
		VN	10	-0.12	-0.000065	± 2.5	PASS
		VN	20	-0.02	-0.000011	± 2.5	PASS
		VN	30	4.15	0.002241	± 2.5	PASS
		VN	40	-0.32	-0.000173	± 2.5	PASS
		VN	50	1.43	0.000772	± 2.5	PASS
	MCH	VN	-30	4.74	0.002521	± 2.5	PASS
		VN	-20	1.72	0.000915	± 2.5	PASS

		VN	-10	0.93	0.000495	± 2.5	PASS	
		VN	0	3.91	0.002080	± 2.5	PASS	
		VN	10	4.58	0.002436	± 2.5	PASS	
		VN	20	1.87	0.000995	± 2.5	PASS	
		VN	30	-1.18	-0.000628	± 2.5	PASS	
		VN	40	2.45	0.001303	± 2.5	PASS	
		VN	50	3.58	0.001904	± 2.5	PASS	
	HCH	VN	-30	2.37	0.001242	± 2.5	PASS	
		VN	-20	-1.45	-0.000760	± 2.5	PASS	
		VN	-10	0.08	0.000042	± 2.5	PASS	
		VN	0	4.45	0.002332	± 2.5	PASS	
		VN	10	3.95	0.002070	± 2.5	PASS	
		VN	20	-1.63	-0.000854	± 2.5	PASS	
		VN	30	-1.42	-0.000744	± 2.5	PASS	
	QPSK	LCH	VN	40	2.9	0.001520	± 2.5	PASS
			VN	50	-0.86	-0.000451	± 2.5	PASS
			VN	-30	3.45	0.001863	± 2.5	PASS
			VN	-20	1.84	0.000994	± 2.5	PASS
VN			-10	2.58	0.001393	± 2.5	PASS	
VN			0	3.45	0.001863	± 2.5	PASS	
VN			10	2.94	0.001588	± 2.5	PASS	
VN			20	-0.41	-0.000221	± 2.5	PASS	
VN			30	1.27	0.000686	± 2.5	PASS	
MCH		VN	40	0.52	0.000281	± 2.5	PASS	
		VN	50	-1.68	-0.000907	± 2.5	PASS	
		VN	-30	1.31	0.000697	± 2.5	PASS	
		VN	-20	1.98	0.001053	± 2.5	PASS	
		VN	-10	-1.83	-0.000973	± 2.5	PASS	
		VN	0	1.98	0.001053	± 2.5	PASS	
		VN	10	0.96	0.000511	± 2.5	PASS	
		VN	20	1.27	0.000676	± 2.5	PASS	
		VN	30	3.14	0.001670	± 2.5	PASS	
HCH	VN	40	-0.07	-0.000037	± 2.5	PASS		
	VN	50	1.41	0.000750	± 2.5	PASS		
	VN	-30	0.9	0.000472	± 2.5	PASS		
	VN	-20	2.56	0.001341	± 2.5	PASS		
	VN	-10	0.2	0.000105	± 2.5	PASS		
	VN	0	-1.27	-0.000665	± 2.5	PASS		
	VN	10	-0.54	-0.000283	± 2.5	PASS		
VN	20	0.4	0.000210	± 2.5	PASS			
VN	30	3.78	0.001981	± 2.5	PASS			



		VN	40	3.03	0.001588	± 2.5	PASS
		VN	50	4.5	0.002358	± 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	-0.3	-0.000162	± 2.5	PASS
		VN	TN	3.58	0.001933	± 2.5	PASS
		VH	TN	-0.14	-0.000076	± 2.5	PASS
	MCH	VL	TN	-1.59	-0.000846	± 2.5	PASS
		VN	TN	0.86	0.000457	± 2.5	PASS
		VH	TN	1.11	0.000590	± 2.5	PASS
	HCH	VL	TN	4.81	0.002522	± 2.5	PASS
		VN	TN	0.81	0.000425	± 2.5	PASS
		VH	TN	4.8	0.002516	± 2.5	PASS
16QAM	LCH	VL	TN	-1.32	-0.000713	± 2.5	PASS
		VN	TN	4.37	0.002359	± 2.5	PASS
		VH	TN	3.15	0.001700	± 2.5	PASS
	MCH	VL	TN	3.83	0.002037	± 2.5	PASS
		VN	TN	0.92	0.000489	± 2.5	PASS
		VH	TN	-0.83	-0.000441	± 2.5	PASS
	HCH	VL	TN	3.8	0.001992	± 2.5	PASS
		VN	TN	-1.09	-0.000571	± 2.5	PASS
		VH	TN	-1.67	-0.000875	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.09	0.000588	± 2.5	PASS
		VN	-20	3.92	0.002116	± 2.5	PASS
		VN	-10	1.82	0.000982	± 2.5	PASS
		VN	0	-0.52	-0.000281	± 2.5	PASS
		VN	10	4.13	0.002229	± 2.5	PASS
		VN	20	-0.57	-0.000308	± 2.5	PASS
		VN	30	2.2	0.001188	± 2.5	PASS
		VN	40	4.04	0.002181	± 2.5	PASS
		VN	50	3.85	0.002078	± 2.5	PASS
	MCH	VN	-30	1.58	0.000840	± 2.5	PASS
		VN	-20	2.59	0.001378	± 2.5	PASS
		VN	-10	4.9	0.002606	± 2.5	PASS

	VN	0	-1.17	-0.000622	± 2.5	PASS			
		10	-1.2	-0.000638	± 2.5	PASS			
		20	1.35	0.000718	± 2.5	PASS			
		30	4.12	0.002191	± 2.5	PASS			
		40	0.5	0.000266	± 2.5	PASS			
		50	-0.32	-0.000170	± 2.5	PASS			
	HCH	VN	-30	2.78	0.001457	± 2.5	PASS		
		VN	-20	0.69	0.000362	± 2.5	PASS		
		VN	-10	-1.54	-0.000807	± 2.5	PASS		
		VN	0	-0.73	-0.000383	± 2.5	PASS		
		VN	10	-1.66	-0.000870	± 2.5	PASS		
		VN	20	1.56	0.000818	± 2.5	PASS		
		VN	30	-0.86	-0.000451	± 2.5	PASS		
		VN	40	0.93	0.000488	± 2.5	PASS		
		VN	50	0.17	0.000089	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.67	-0.000362	± 2.5	PASS
				VN	-20	2.28	0.001231	± 2.5	PASS
				VN	-10	-1.09	-0.000588	± 2.5	PASS
VN	0			1.44	0.000777	± 2.5	PASS		
VN	10			4.13	0.002229	± 2.5	PASS		
VN	20			-1.5	-0.000810	± 2.5	PASS		
VN	30			1.06	0.000572	± 2.5	PASS		
VN	40			2.35	0.001269	± 2.5	PASS		
VN	50			1.75	0.000945	± 2.5	PASS		
MCH	VN		-30	0.47	0.000250	± 2.5	PASS		
	VN		-20	1.82	0.000968	± 2.5	PASS		
	VN		-10	-0.12	-0.000064	± 2.5	PASS		
	VN		0	1.69	0.000899	± 2.5	PASS		
	VN		10	1.18	0.000628	± 2.5	PASS		
	VN		20	4.98	0.002649	± 2.5	PASS		
	VN		30	0.77	0.000410	± 2.5	PASS		
	VN		40	1.2	0.000638	± 2.5	PASS		
	VN		50	-1.25	-0.000665	± 2.5	PASS		
HCH	VN		-30	3.14	0.001646	± 2.5	PASS		
	VN		-20	2.41	0.001263	± 2.5	PASS		
	VN		-10	4.17	0.002186	± 2.5	PASS		
	VN		0	3.58	0.001877	± 2.5	PASS		
	VN		10	-1.84	-0.000965	± 2.5	PASS		
	VN		20	4.62	0.002422	± 2.5	PASS		
	VN		30	3.44	0.001803	± 2.5	PASS		
	VN		40	3.89	0.002039	± 2.5	PASS		

		VN	50	0.67	0.000351	± 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	-0.88	-0.000474	± 2.5	PASS
		VN	TN	3.49	0.001881	± 2.5	PASS
		VH	TN	4.77	0.002571	± 2.5	PASS
	MCH	VL	TN	-1.34	-0.000713	± 2.5	PASS
		VN	TN	-0.58	-0.000309	± 2.5	PASS
		VH	TN	2.59	0.001378	± 2.5	PASS
	HCH	VL	TN	3.91	0.002052	± 2.5	PASS
		VN	TN	4.64	0.002436	± 2.5	PASS
		VH	TN	-0.17	-0.000089	± 2.5	PASS
16QAM	LCH	VL	TN	3.21	0.001730	± 2.5	PASS
		VN	TN	2.09	0.001127	± 2.5	PASS
		VH	TN	3.93	0.002119	± 2.5	PASS
	MCH	VL	TN	3.57	0.001899	± 2.5	PASS
		VN	TN	0.37	0.000197	± 2.5	PASS
		VH	TN	0.53	0.000282	± 2.5	PASS
	HCH	VL	TN	-1.41	-0.000740	± 2.5	PASS
		VN	TN	1.58	0.000829	± 2.5	PASS
		VH	TN	0.61	0.000320	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.85	0.000458	± 2.5	PASS
		VN	-20	3.69	0.001989	± 2.5	PASS
		VN	-10	1.78	0.000960	± 2.5	PASS
		VN	0	3.4	0.001833	± 2.5	PASS
		VN	10	3.84	0.002070	± 2.5	PASS
		VN	20	-0.44	-0.000237	± 2.5	PASS
		VN	30	-0.54	-0.000291	± 2.5	PASS
		VN	40	4.47	0.002410	± 2.5	PASS
		VN	50	2.79	0.001504	± 2.5	PASS
	MCH	VN	-30	-0.46	-0.000245	± 2.5	PASS
		VN	-20	4.1	0.002181	± 2.5	PASS
		VN	-10	-0.82	-0.000436	± 2.5	PASS
		VN	0	-0.87	-0.000463	± 2.5	PASS

		VN	10	-0.94	-0.000500	± 2.5	PASS
		VN	20	2.34	0.001245	± 2.5	PASS
		VN	30	2.48	0.001319	± 2.5	PASS
		VN	40	2.16	0.001149	± 2.5	PASS
		VN	50	-0.33	-0.000176	± 2.5	PASS
	HCH	VN	-30	2.79	0.001465	± 2.5	PASS
		VN	-20	3.17	0.001664	± 2.5	PASS
		VN	-10	2.92	0.001533	± 2.5	PASS
		VN	0	-0.86	-0.000451	± 2.5	PASS
		VN	10	1.25	0.000656	± 2.5	PASS
		VN	20	3.81	0.002000	± 2.5	PASS
		VN	30	-0.75	-0.000394	± 2.5	PASS
		VN	40	4.58	0.002404	± 2.5	PASS
		VN	50	4.65	0.002441	± 2.5	PASS
		QPSK	LCH	VN	-30	4.24	0.002286
VN	-20			2.73	0.001472	± 2.5	PASS
VN	-10			-0.56	-0.000302	± 2.5	PASS
VN	0			-1.77	-0.000954	± 2.5	PASS
VN	10			4.65	0.002507	± 2.5	PASS
VN	20			-1.67	-0.000900	± 2.5	PASS
VN	30			2.34	0.001261	± 2.5	PASS
VN	40			0	0.000000	± 2.5	PASS
VN	50			2.05	0.001105	± 2.5	PASS
MCH	VN		-30	-0.45	-0.000239	± 2.5	PASS
	VN		-20	1.68	0.000894	± 2.5	PASS
	VN		-10	-0.97	-0.000516	± 2.5	PASS
	VN		0	4.67	0.002484	± 2.5	PASS
	VN		10	2.87	0.001527	± 2.5	PASS
	VN		20	1.99	0.001059	± 2.5	PASS
	VN		30	-1.63	-0.000867	± 2.5	PASS
	VN		40	0.15	0.000080	± 2.5	PASS
	VN		50	-1.97	-0.001048	± 2.5	PASS
HCH	VN		-30	2.48	0.001302	± 2.5	PASS
	VN		-20	3.58	0.001879	± 2.5	PASS
	VN		-10	2.75	0.001444	± 2.5	PASS
	VN		0	0.18	0.000094	± 2.5	PASS
	VN		10	2.69	0.001412	± 2.5	PASS
	VN		20	-1.35	-0.000709	± 2.5	PASS
	VN		30	2.99	0.001570	± 2.5	PASS
	VN		40	4.16	0.002184	± 2.5	PASS
	VN		50	2.36	0.001239	± 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	-0.41	-0.000221	± 2.5	PASS
		VN	TN	4.79	0.002579	± 2.5	PASS
		VH	TN	1.47	0.000791	± 2.5	PASS
	MCH	VL	TN	2.19	0.001165	± 2.5	PASS
		VN	TN	1.44	0.000766	± 2.5	PASS
		VH	TN	1.1	0.000585	± 2.5	PASS
	HCH	VL	TN	2.13	0.001120	± 2.5	PASS
		VN	TN	-1.19	-0.000625	± 2.5	PASS
		VH	TN	2.79	0.001466	± 2.5	PASS
16QAM	LCH	VL	TN	-1.62	-0.000872	± 2.5	PASS
		VN	TN	4.8	0.002584	± 2.5	PASS
		VH	TN	1.8	0.000969	± 2.5	PASS
	MCH	VL	TN	-1.22	-0.000649	± 2.5	PASS
		VN	TN	0.94	0.000500	± 2.5	PASS
		VH	TN	3.73	0.001984	± 2.5	PASS
	HCH	VL	TN	1.69	0.000888	± 2.5	PASS
		VN	TN	-1.71	-0.000899	± 2.5	PASS
		VH	TN	-0.01	-0.000005	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.86	0.002078	± 2.5	PASS
		VN	-20	2.01	0.001082	± 2.5	PASS
		VN	-10	0.59	0.000318	± 2.5	PASS
		VN	0	2.51	0.001351	± 2.5	PASS
		VN	10	-1.28	-0.000689	± 2.5	PASS
		VN	20	0.86	0.000463	± 2.5	PASS
		VN	30	3.91	0.002105	± 2.5	PASS
		VN	40	-0.14	-0.000075	± 2.5	PASS
		VN	50	3.31	0.001782	± 2.5	PASS
	MCH	VN	-30	3.18	0.001691	± 2.5	PASS
		VN	-20	4.51	0.002399	± 2.5	PASS
		VN	-10	4.48	0.002383	± 2.5	PASS
		VN	0	-0.62	-0.000330	± 2.5	PASS
		VN	10	-1	-0.000532	± 2.5	PASS
		VN	20	-1.7	-0.000904	± 2.5	PASS



		VN	30	-1.19	-0.000633	± 2.5	PASS
		VN	40	1.39	0.000739	± 2.5	PASS
		VN	50	1.22	0.000649	± 2.5	PASS
	HCH	VN	-30	4.36	0.002292	± 2.5	PASS
		VN	-20	3.01	0.001582	± 2.5	PASS
		VN	-10	1.79	0.000941	± 2.5	PASS
		VN	0	0.24	0.000126	± 2.5	PASS
		VN	10	-1.33	-0.000699	± 2.5	PASS
		VN	20	-0.71	-0.000373	± 2.5	PASS
		VN	30	3.6	0.001892	± 2.5	PASS
		VN	40	4.7	0.002470	± 2.5	PASS
		VN	50	0.18	0.000095	± 2.5	PASS
		QPSK	LCH	VN	-30	1.29	0.000694
VN	-20			4.53	0.002439	± 2.5	PASS
VN	-10			2.73	0.001470	± 2.5	PASS
VN	0			-1.74	-0.000937	± 2.5	PASS
VN	10			2.26	0.001217	± 2.5	PASS
VN	20			-0.77	-0.000415	± 2.5	PASS
VN	30			3.66	0.001970	± 2.5	PASS
VN	40			0.44	0.000237	± 2.5	PASS
VN	50			3.29	0.001771	± 2.5	PASS
MCH	VN		-30	3.66	0.001947	± 2.5	PASS
	VN		-20	4.11	0.002186	± 2.5	PASS
	VN		-10	0.8	0.000426	± 2.5	PASS
	VN		0	3.42	0.001819	± 2.5	PASS
	VN		10	2.88	0.001532	± 2.5	PASS
	VN		20	4.35	0.002314	± 2.5	PASS
	VN		30	1.45	0.000771	± 2.5	PASS
	VN		40	4.86	0.002585	± 2.5	PASS
	VN		50	-2	-0.001064	± 2.5	PASS
HCH	VN		-30	2.03	0.001067	± 2.5	PASS
	VN		-20	1.36	0.000715	± 2.5	PASS
	VN		-10	1.6	0.000841	± 2.5	PASS
	VN		0	0.03	0.000016	± 2.5	PASS
	VN		10	1.09	0.000573	± 2.5	PASS
	VN		20	1.87	0.000983	± 2.5	PASS
	VN		30	1.34	0.000704	± 2.5	PASS
	VN		40	4.6	0.002418	± 2.5	PASS
	VN		50	3.91	0.002055	± 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	1.76	0.000946	± 2.5	PASS
		VN	TN	3.97	0.002134	± 2.5	PASS
		VH	TN	0.8	0.000430	± 2.5	PASS
	MCH	VL	TN	-0.77	-0.000410	± 2.5	PASS
		VN	TN	3.96	0.002106	± 2.5	PASS
		VH	TN	-0.62	-0.000330	± 2.5	PASS
	HCH	VL	TN	0.88	0.000463	± 2.5	PASS
		VN	TN	3.87	0.002037	± 2.5	PASS
		VH	TN	-0.79	-0.000416	± 2.5	PASS
16QAM	LCH	VL	TN	-1.92	-0.001032	± 2.5	PASS
		VN	TN	4.95	0.002661	± 2.5	PASS
		VH	TN	3.93	0.002113	± 2.5	PASS
	MCH	VL	TN	-0.65	-0.000346	± 2.5	PASS
		VN	TN	2.26	0.001202	± 2.5	PASS
		VH	TN	4.22	0.002245	± 2.5	PASS
	HCH	VL	TN	2.12	0.001116	± 2.5	PASS
		VN	TN	2.92	0.001537	± 2.5	PASS
		VH	TN	4.45	0.002342	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.82	-0.000441	± 2.5	PASS
		VN	-20	0.18	0.000097	± 2.5	PASS
		VN	-10	2.98	0.001602	± 2.5	PASS
		VN	0	3.4	0.001828	± 2.5	PASS
		VN	10	-0.83	-0.000446	± 2.5	PASS
		VN	20	0.37	0.000199	± 2.5	PASS
		VN	30	-0.21	-0.000113	± 2.5	PASS
		VN	40	-0.89	-0.000478	± 2.5	PASS
		VN	50	0.89	0.000478	± 2.5	PASS
	MCH	VN	-30	3.48	0.001851	± 2.5	PASS
		VN	-20	-0.99	-0.000527	± 2.5	PASS
		VN	-10	0.66	0.000351	± 2.5	PASS
		VN	0	-1.76	-0.000936	± 2.5	PASS
		VN	10	2.3	0.001223	± 2.5	PASS
		VN	20	0.19	0.000101	± 2.5	PASS

		VN	30	2.29	0.001218	± 2.5	PASS
		VN	40	-0.03	-0.000016	± 2.5	PASS
		VN	50	1.28	0.000681	± 2.5	PASS
	HCH	VN	-30	1.47	0.000774	± 2.5	PASS
		VN	-20	3.89	0.002047	± 2.5	PASS
		VN	-10	-1.43	-0.000753	± 2.5	PASS
		VN	0	-0.47	-0.000247	± 2.5	PASS
		VN	10	1.73	0.000911	± 2.5	PASS
		VN	20	-0.51	-0.000268	± 2.5	PASS
		VN	30	0.68	0.000358	± 2.5	PASS
		VN	40	4.28	0.002253	± 2.5	PASS
		VN	50	-0.15	-0.000079	± 2.5	PASS
QPSK	LCH	VN	-30	3.36	0.001806	± 2.5	PASS
		VN	-20	3.61	0.001941	± 2.5	PASS
		VN	-10	-0.31	-0.000167	± 2.5	PASS
		VN	0	-0.9	-0.000484	± 2.5	PASS
		VN	10	-1.2	-0.000645	± 2.5	PASS
		VN	20	3.17	0.001704	± 2.5	PASS
		VN	30	0.16	0.000086	± 2.5	PASS
		VN	40	4.33	0.002328	± 2.5	PASS
		VN	50	0.05	0.000027	± 2.5	PASS
	MCH	VN	-30	2.02	0.001074	± 2.5	PASS
		VN	-20	0.31	0.000165	± 2.5	PASS
		VN	-10	3.21	0.001707	± 2.5	PASS
		VN	0	4.1	0.002181	± 2.5	PASS
		VN	10	1.28	0.000681	± 2.5	PASS
		VN	20	4.96	0.002638	± 2.5	PASS
		VN	30	0.65	0.000346	± 2.5	PASS
		VN	40	2.72	0.001447	± 2.5	PASS
		VN	50	-1.96	-0.001043	± 2.5	PASS
	HCH	VN	-30	4.95	0.002605	± 2.5	PASS
		VN	-20	2.92	0.001537	± 2.5	PASS
		VN	-10	4.94	0.002600	± 2.5	PASS
		VN	0	-0.66	-0.000347	± 2.5	PASS
		VN	10	4.69	0.002468	± 2.5	PASS
		VN	20	3.77	0.001984	± 2.5	PASS
VN		30	2.66	0.001400	± 2.5	PASS	
VN		40	1.47	0.000774	± 2.5	PASS	
VN		50	-1.59	-0.000837	± 2.5	PASS	