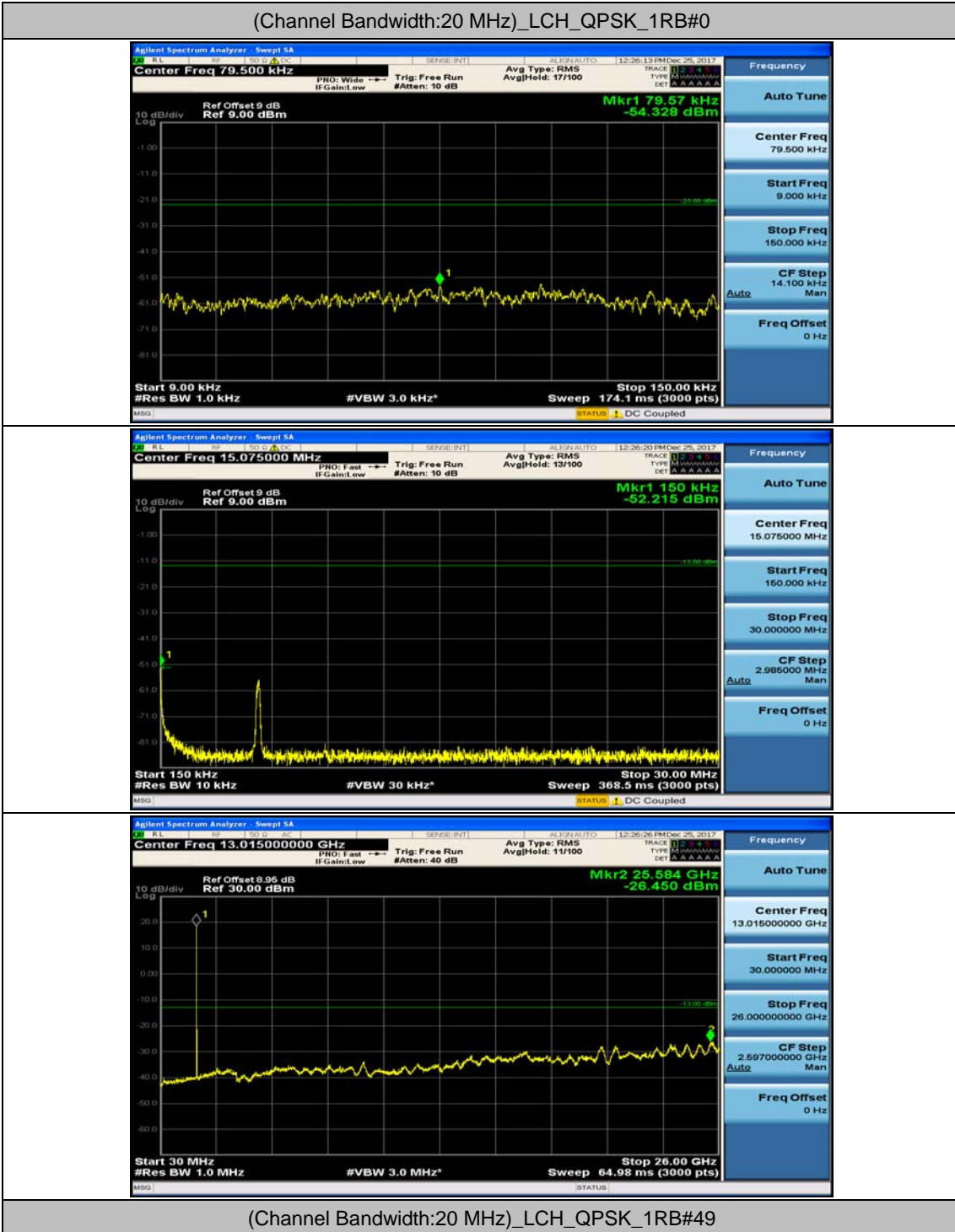
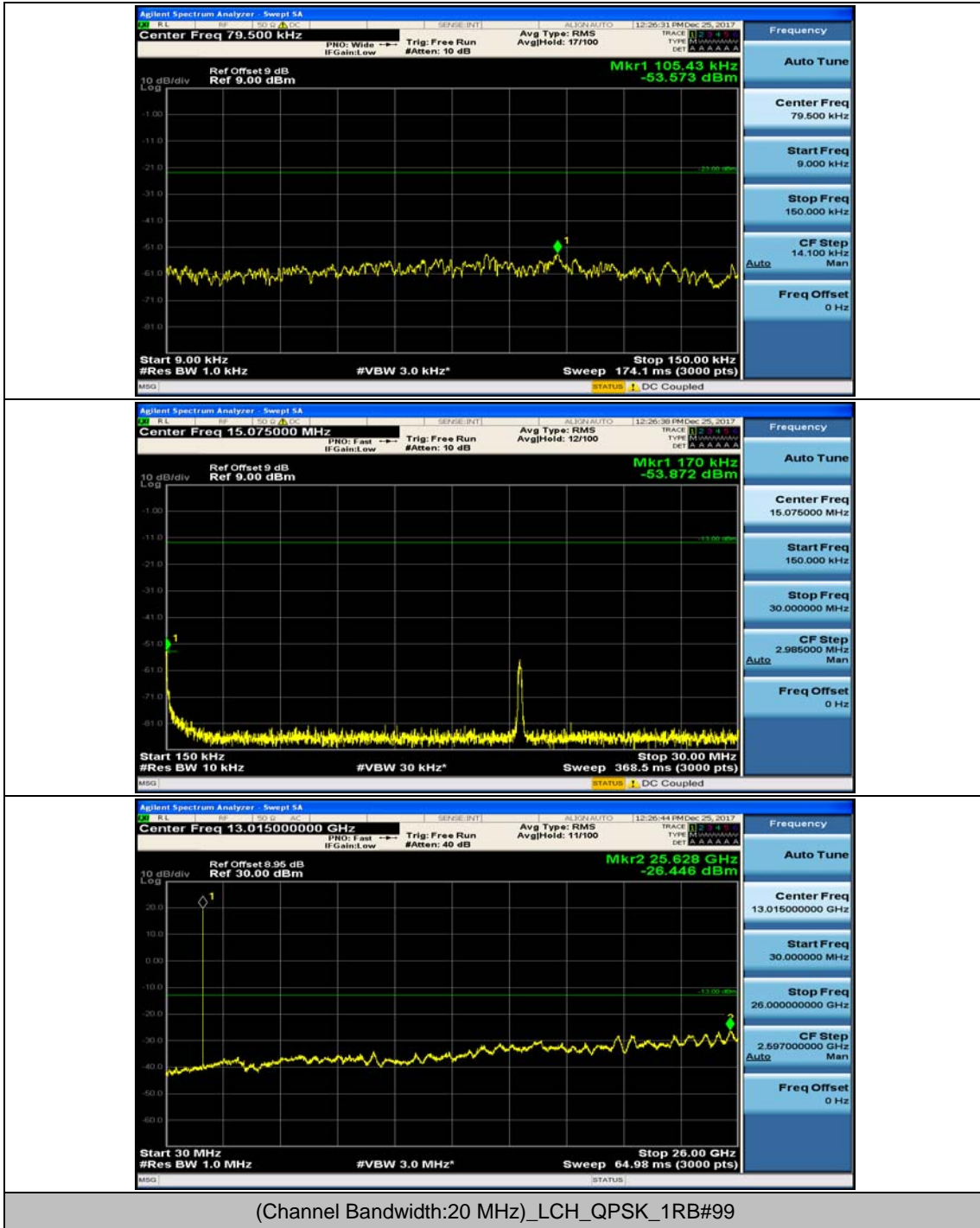
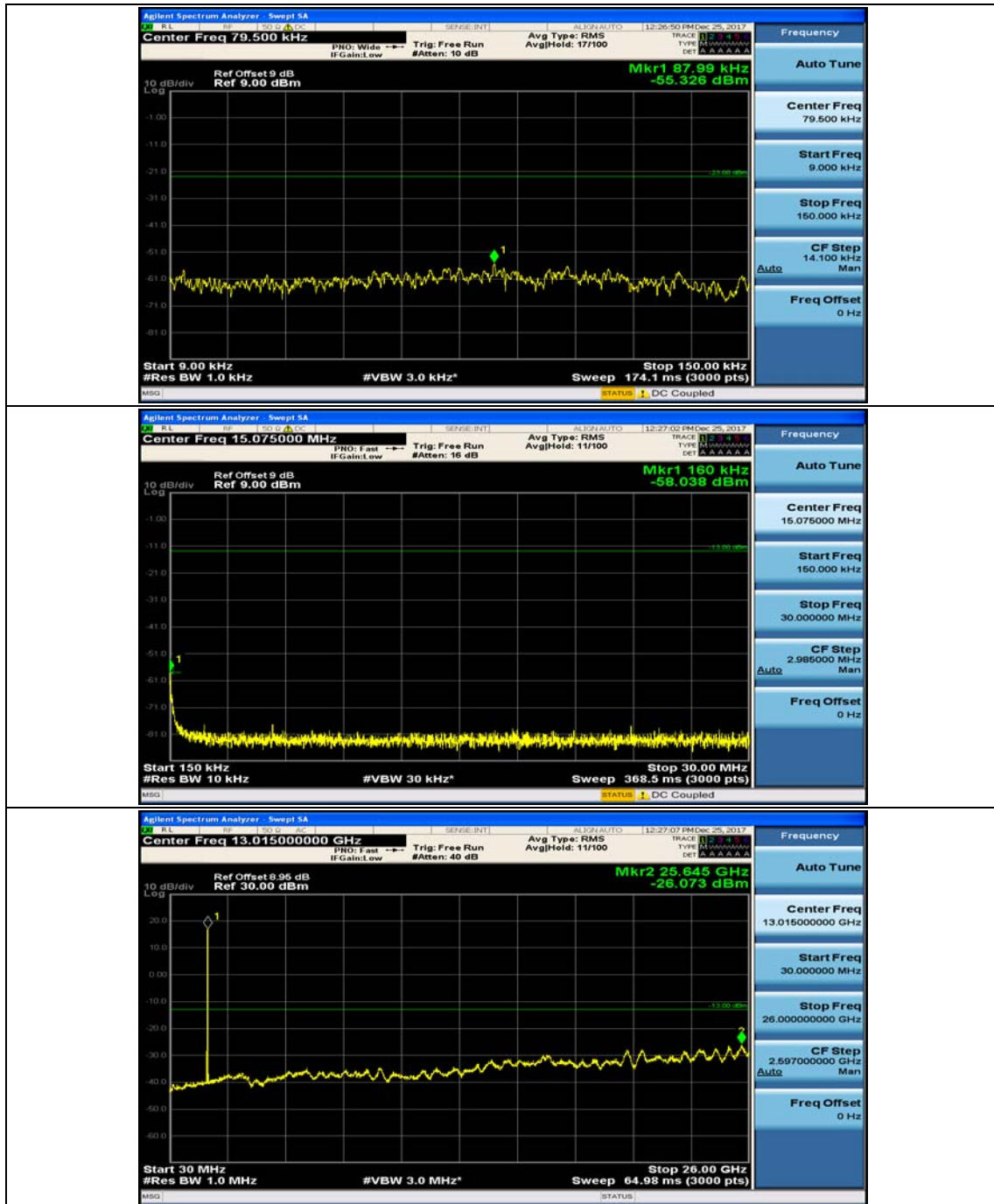


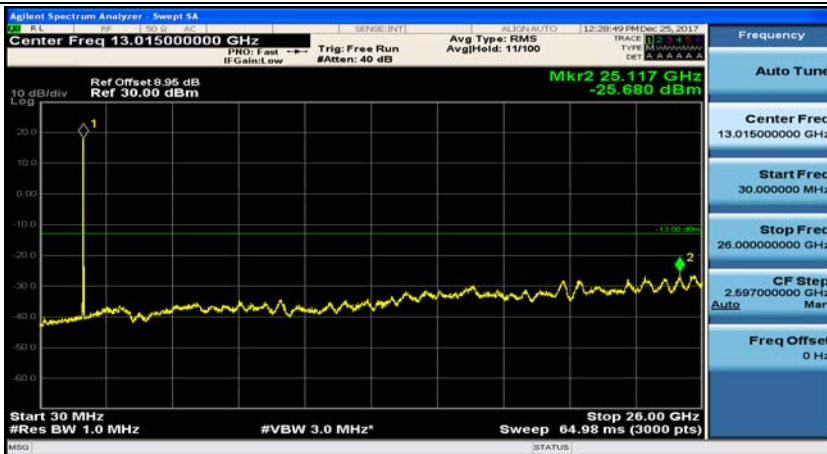
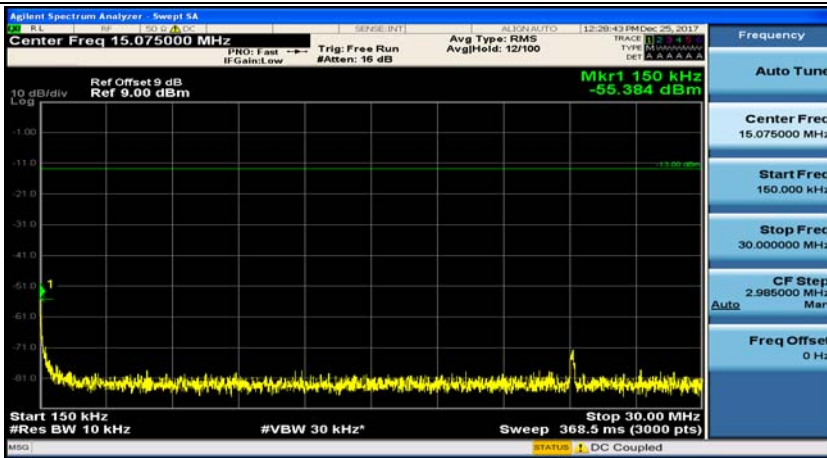
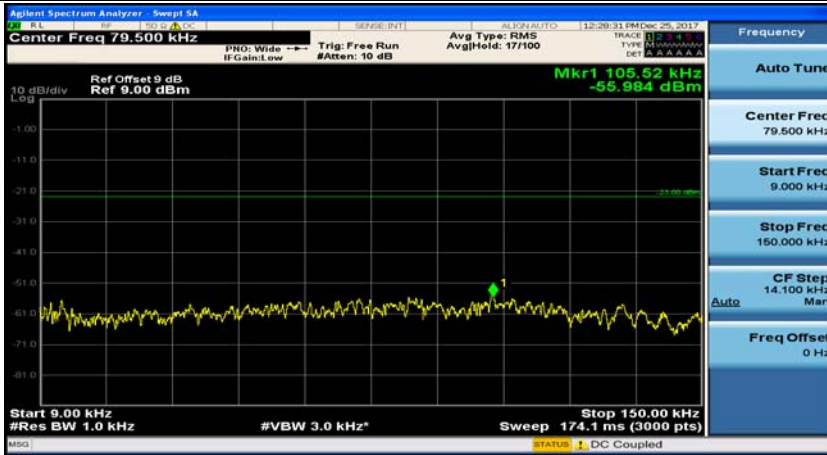
Channel Bandwidth: 20 MHz



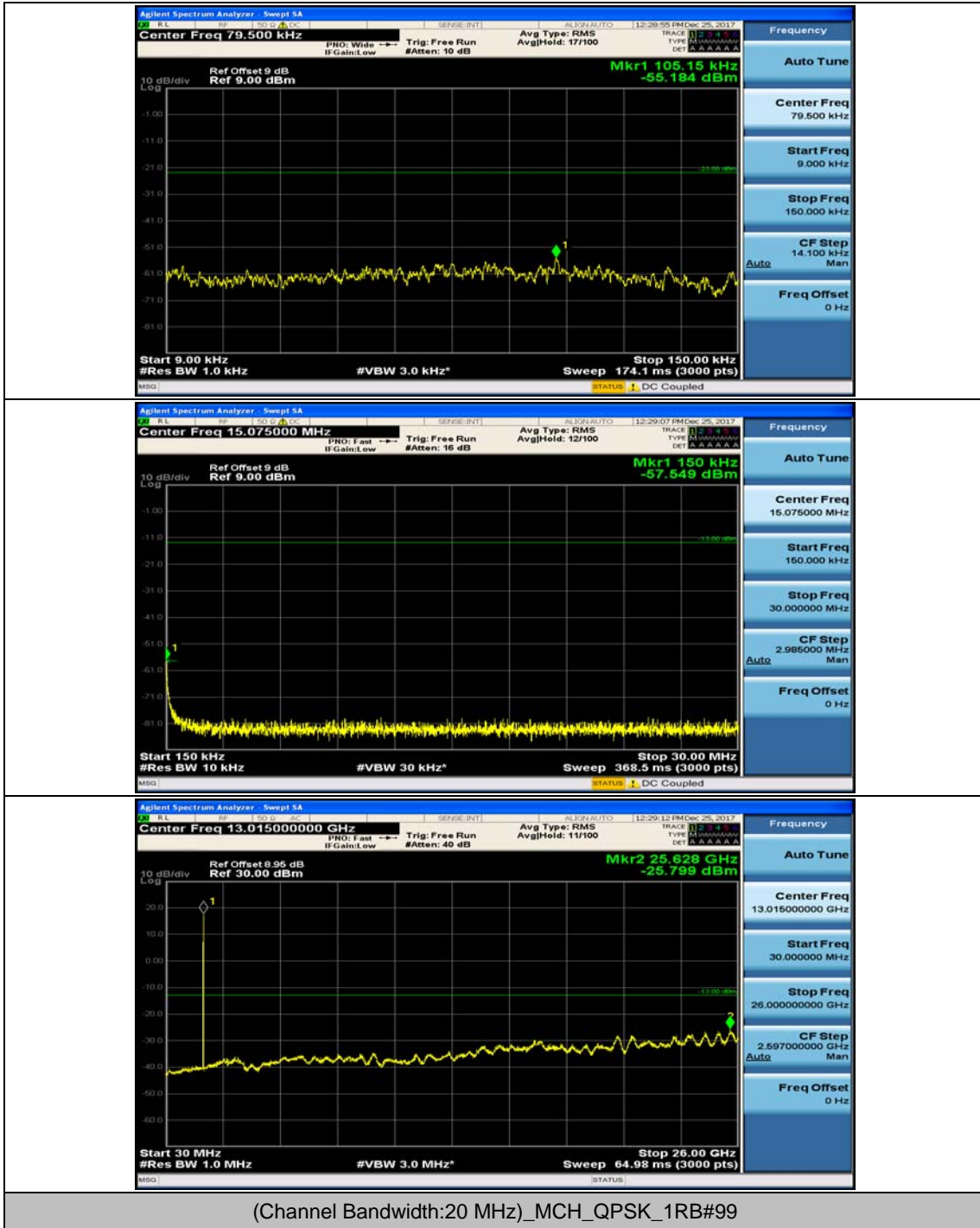


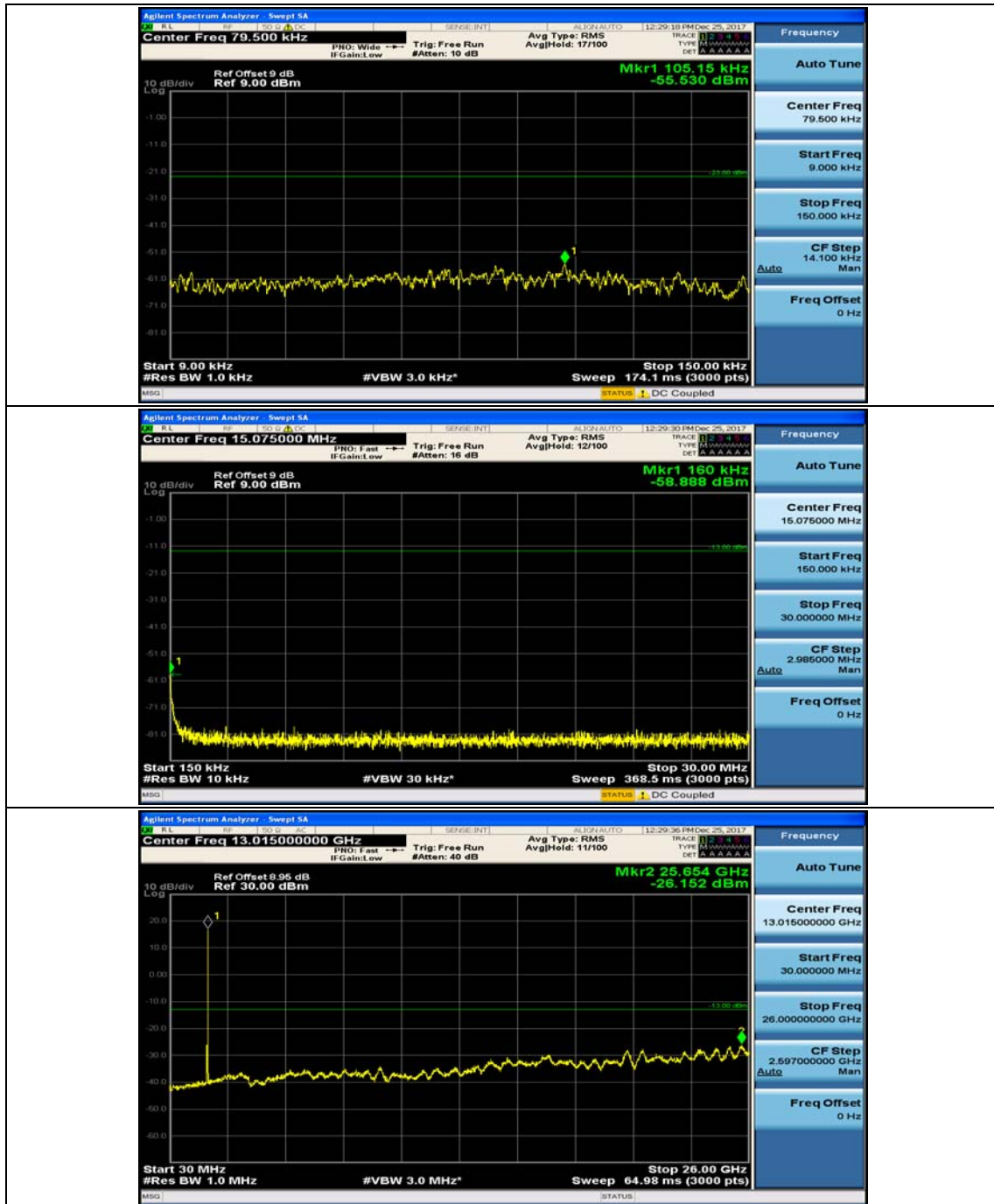


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

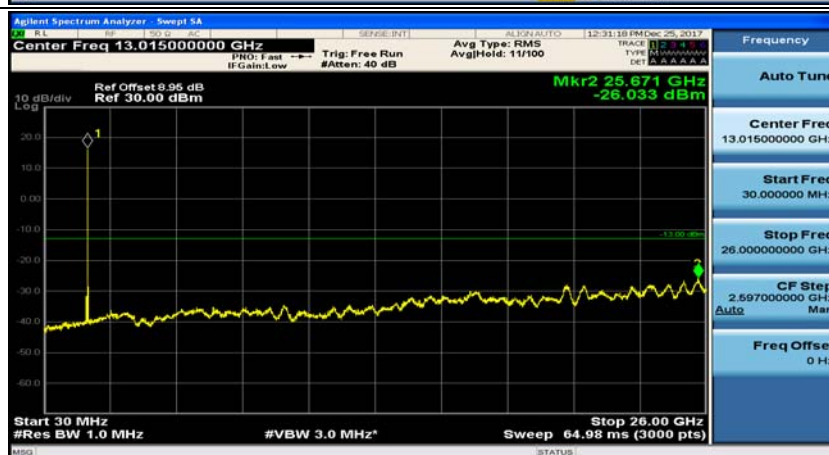
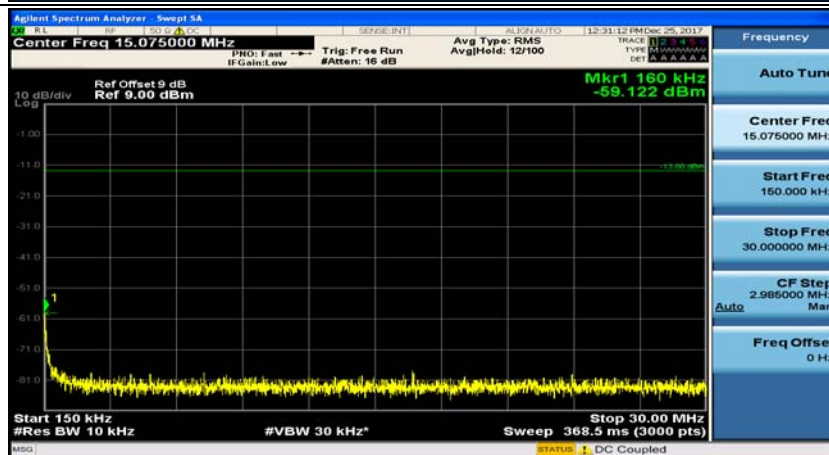
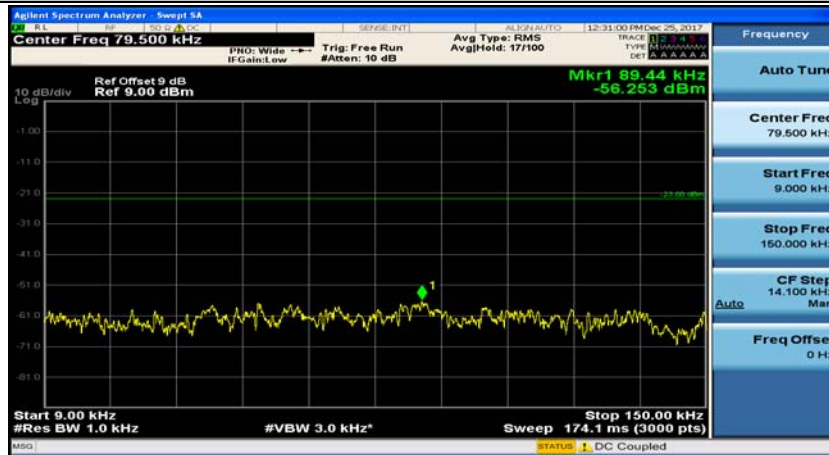


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

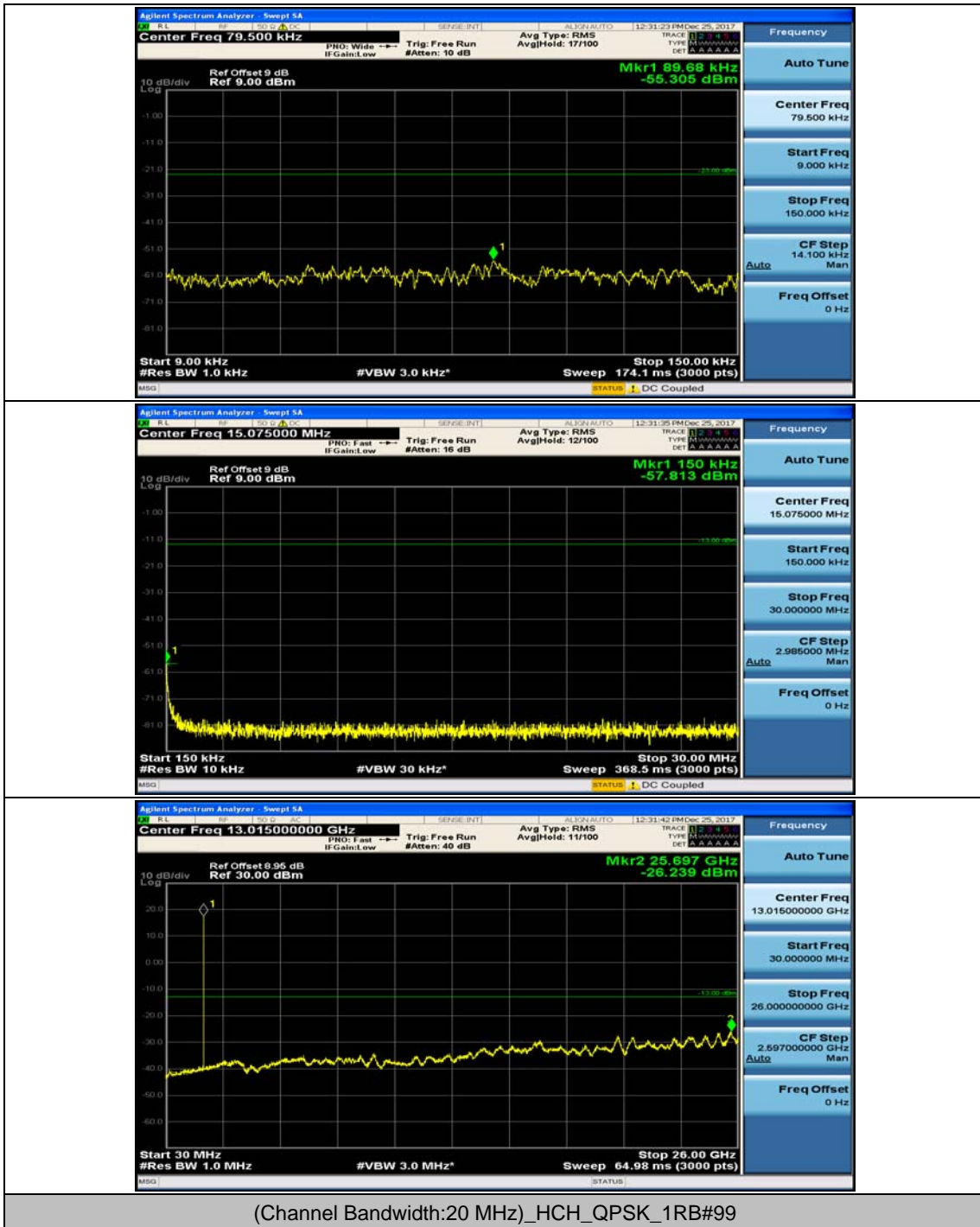


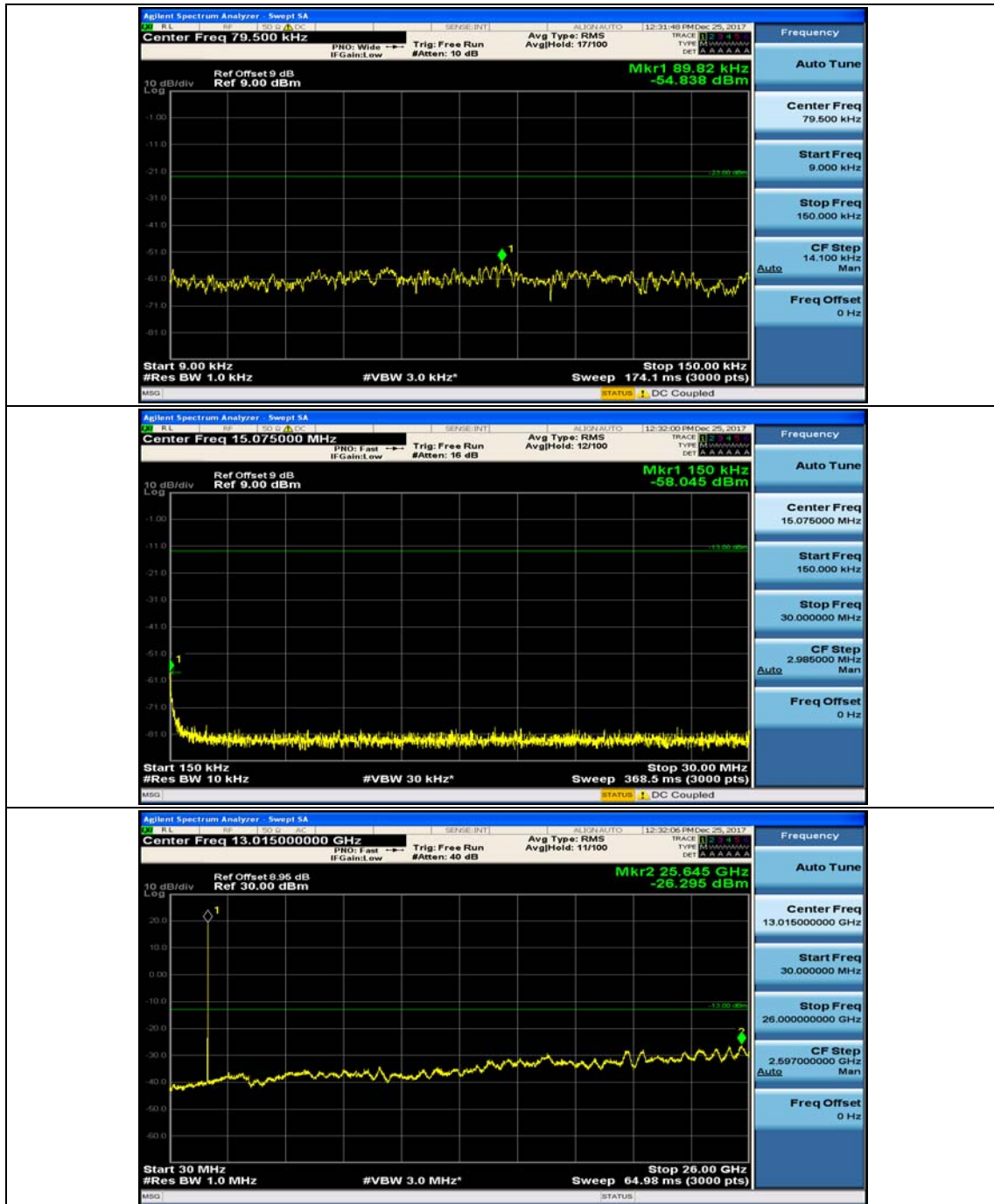


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

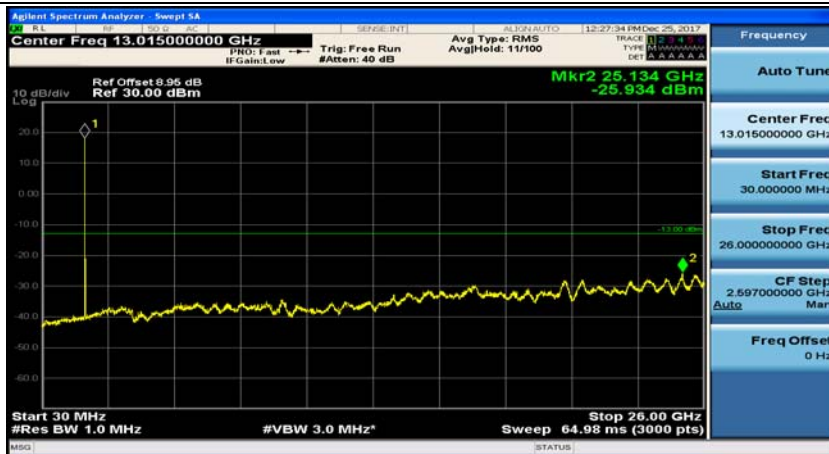
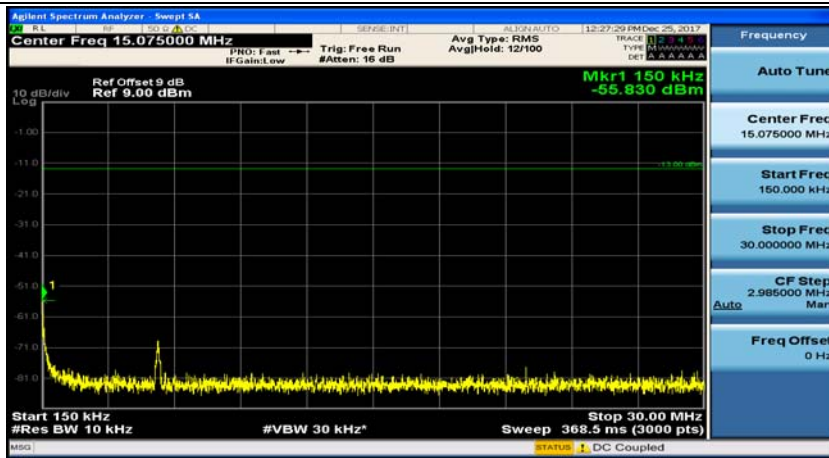
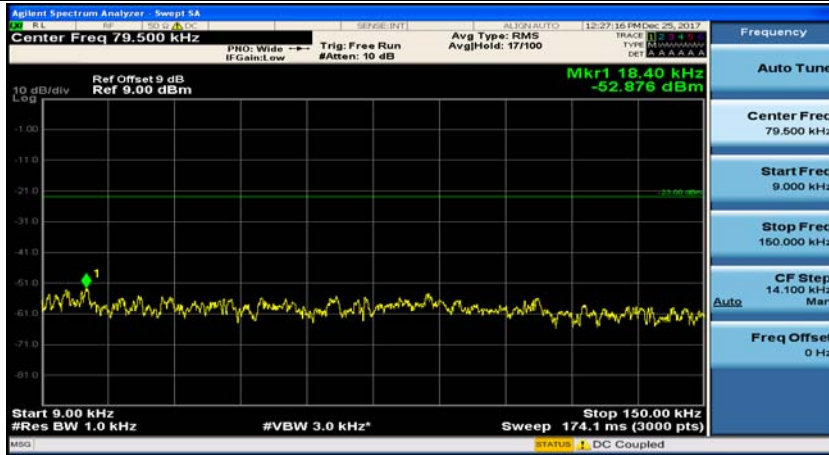


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

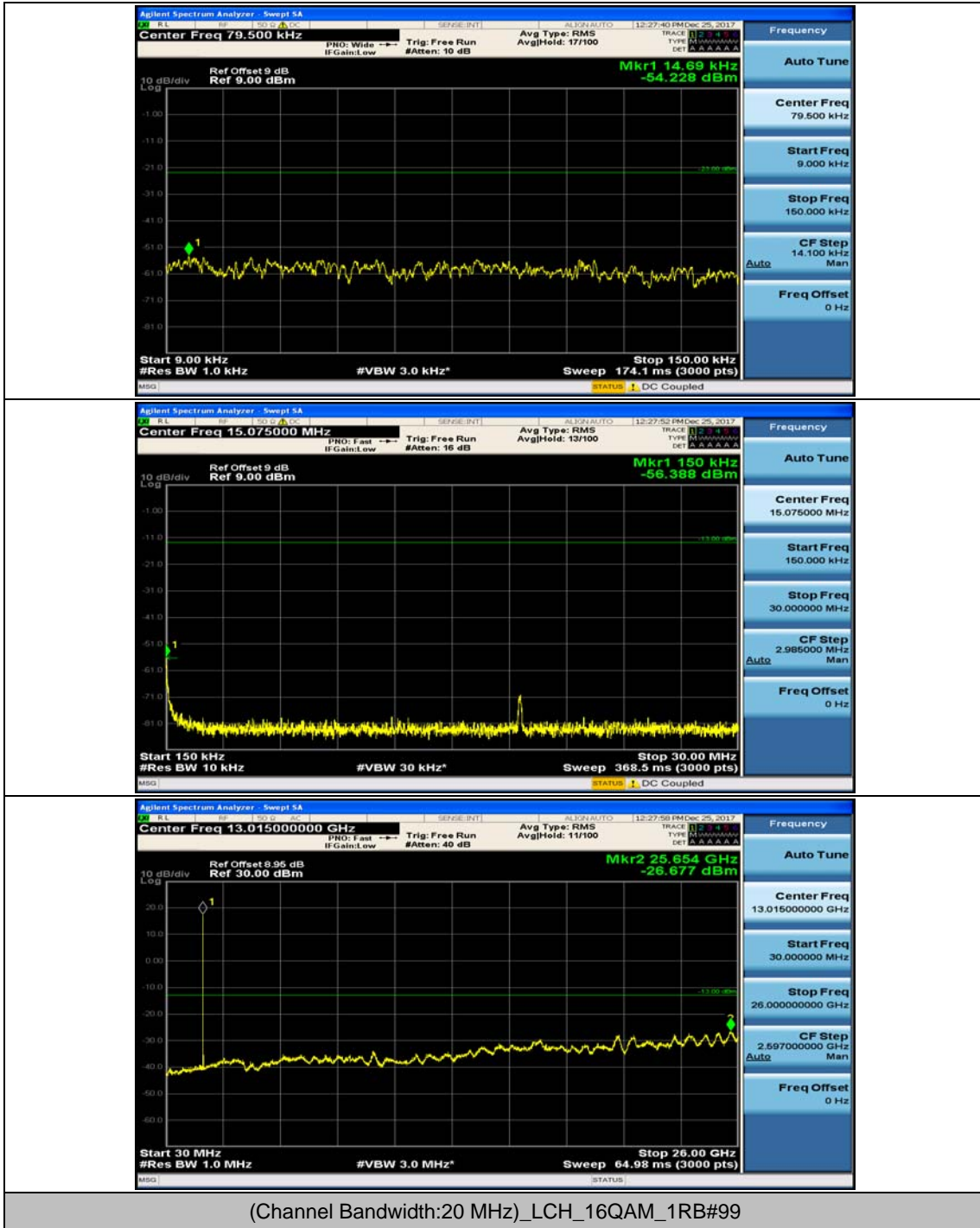


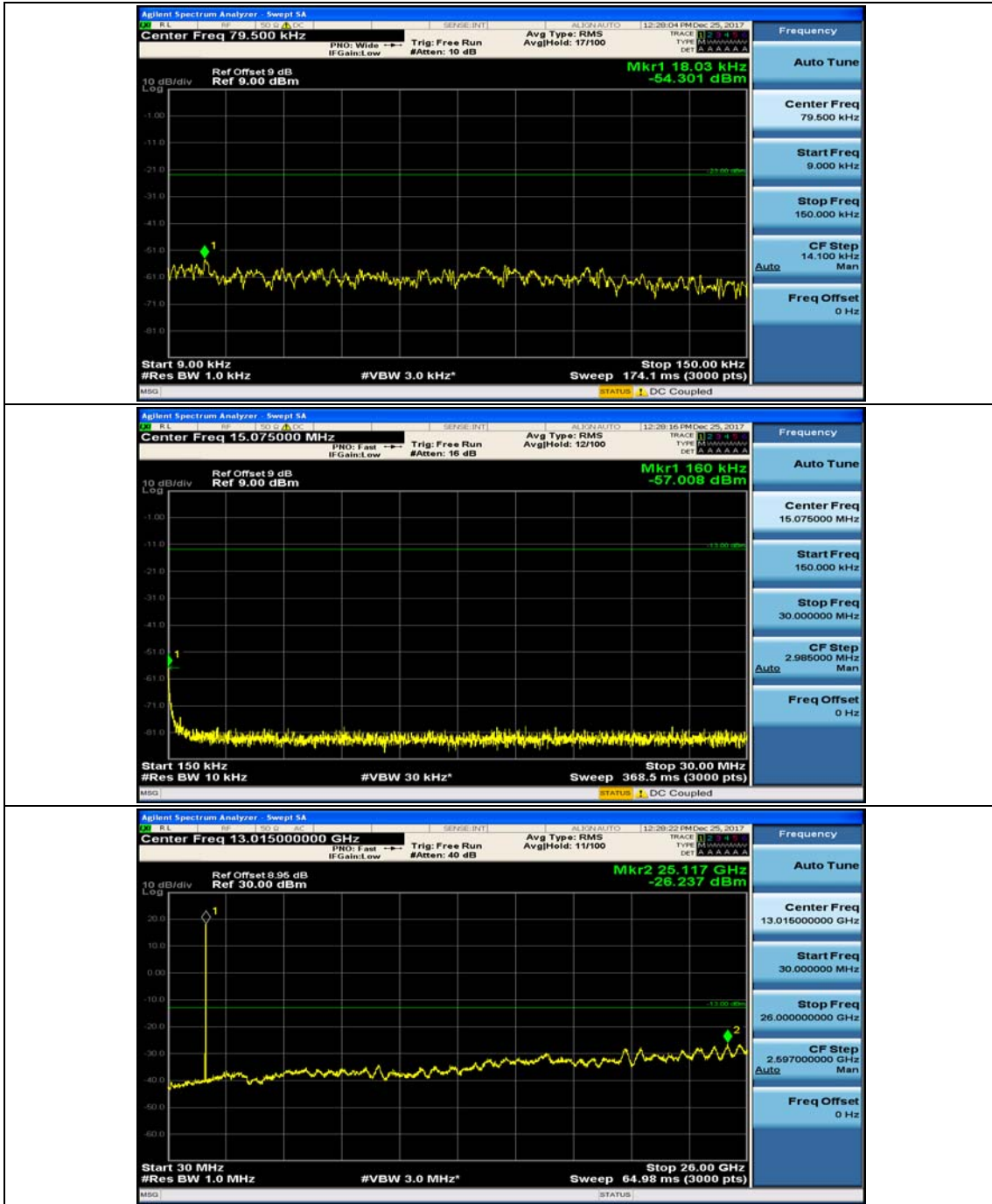


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

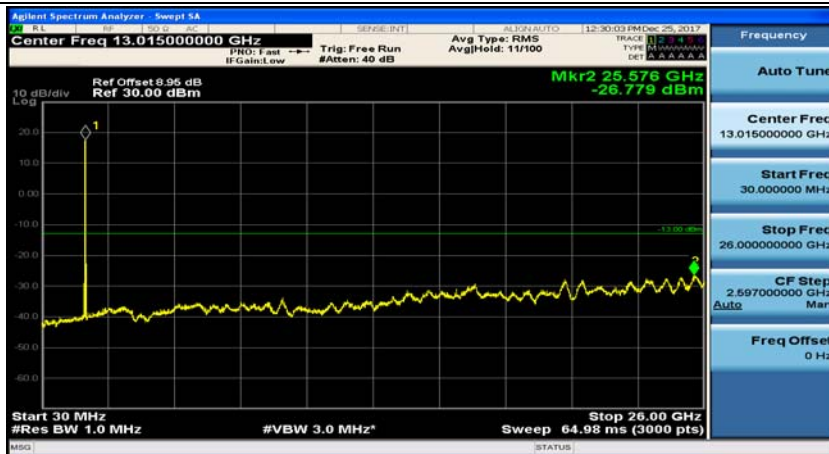
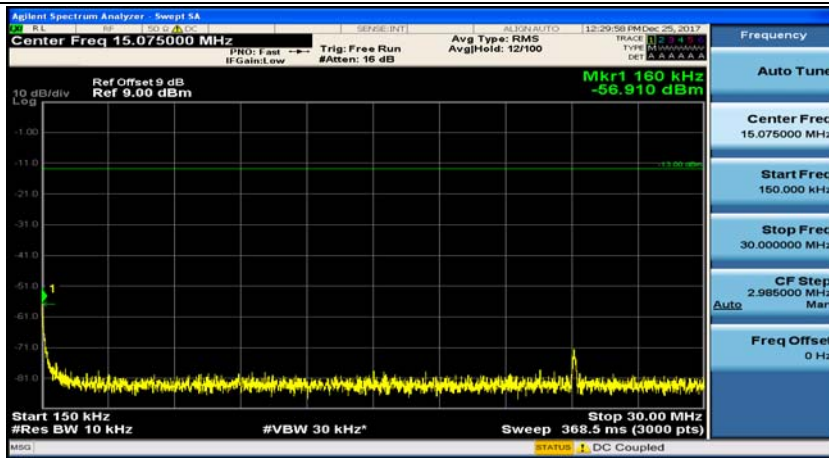
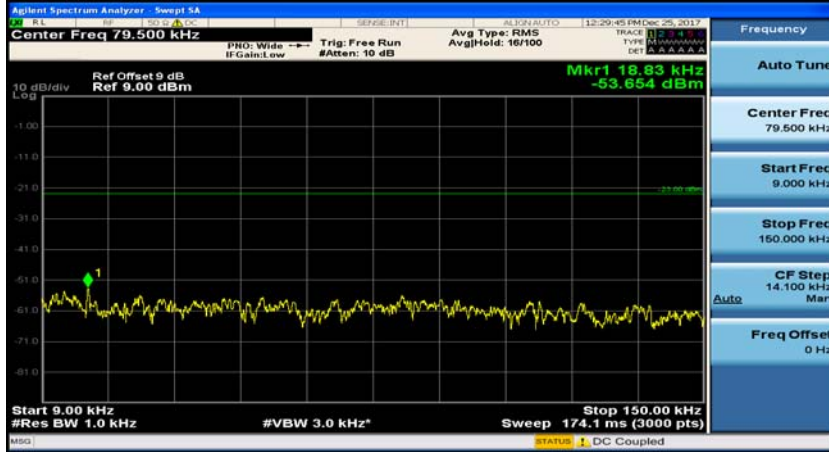


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

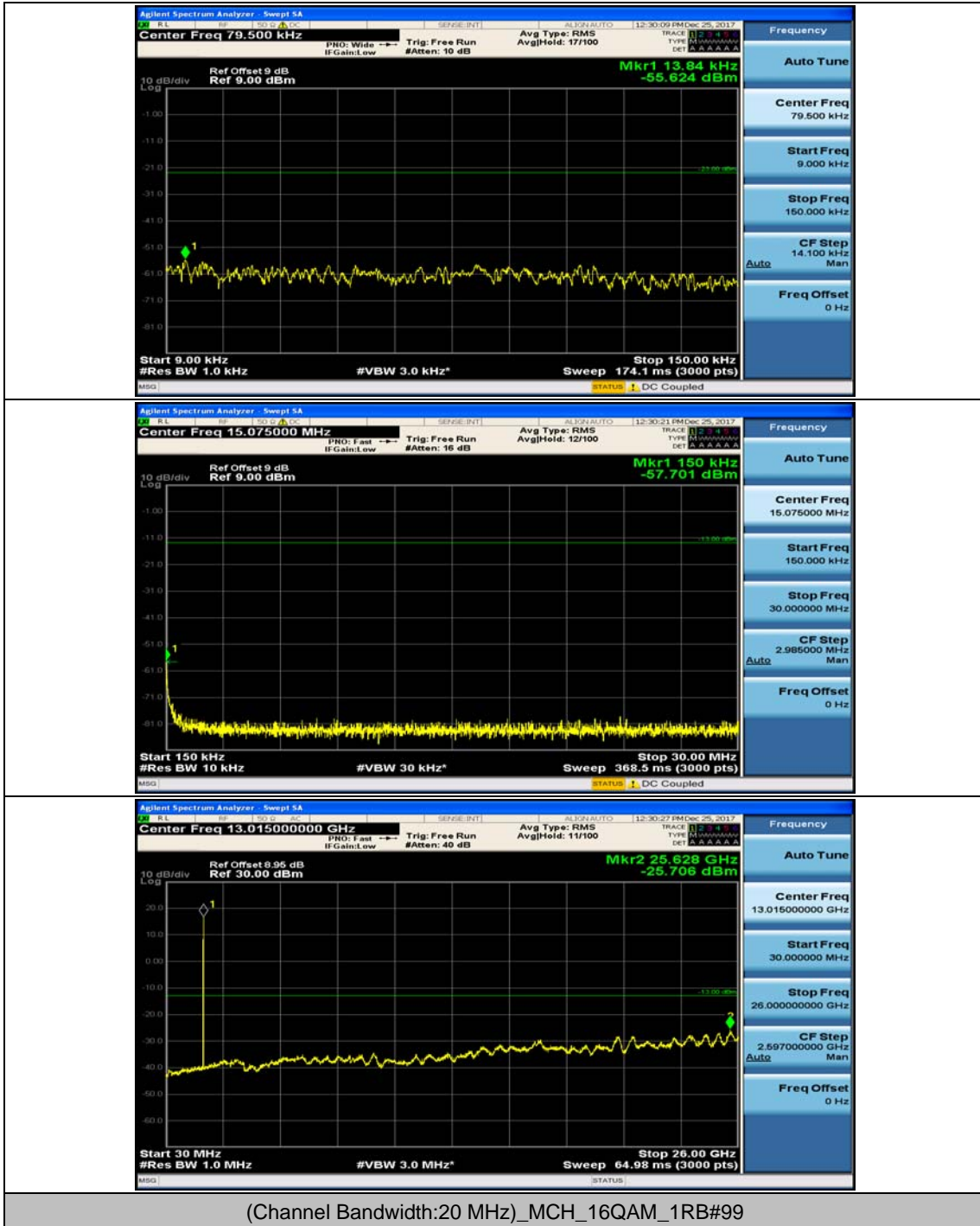


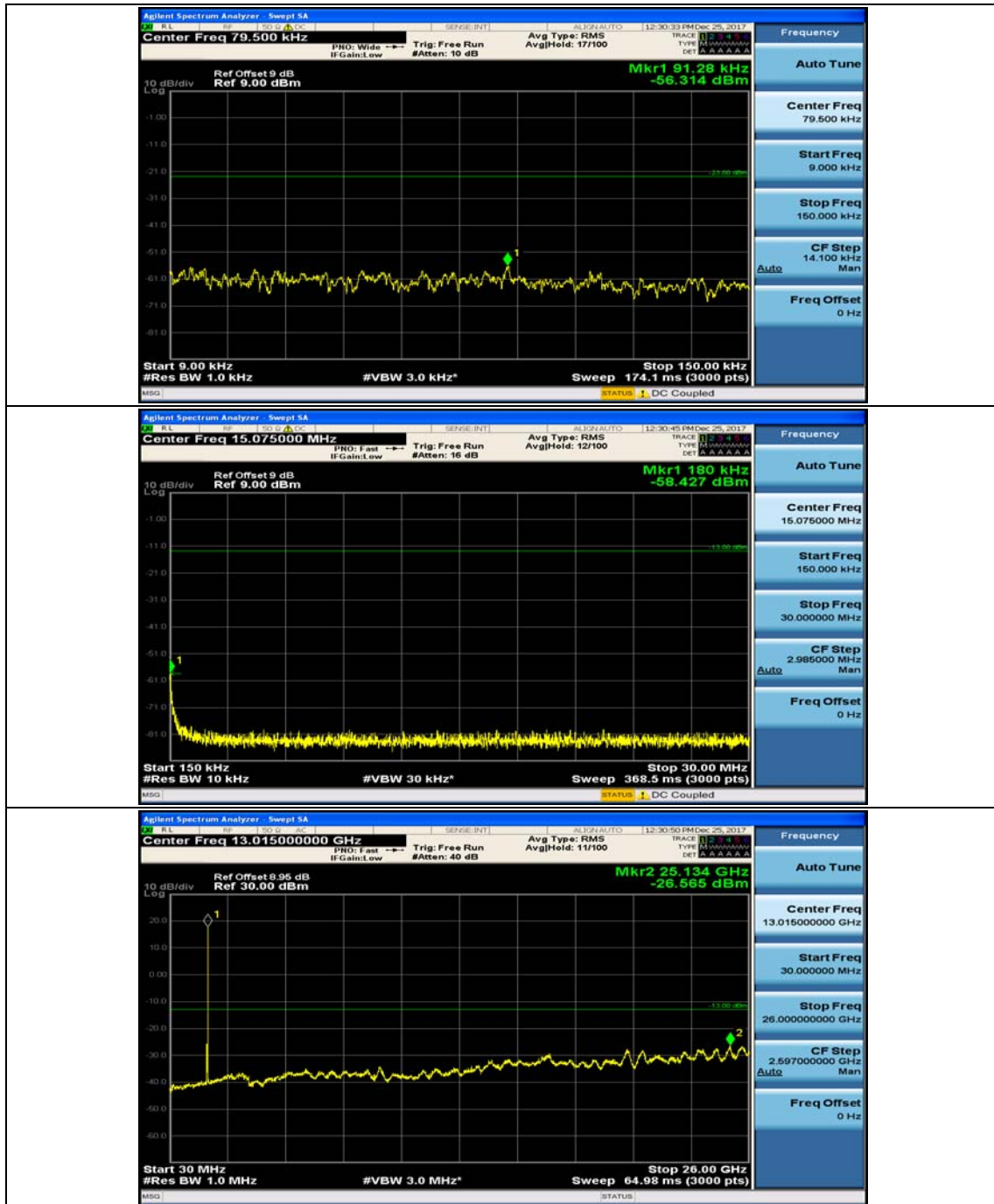


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

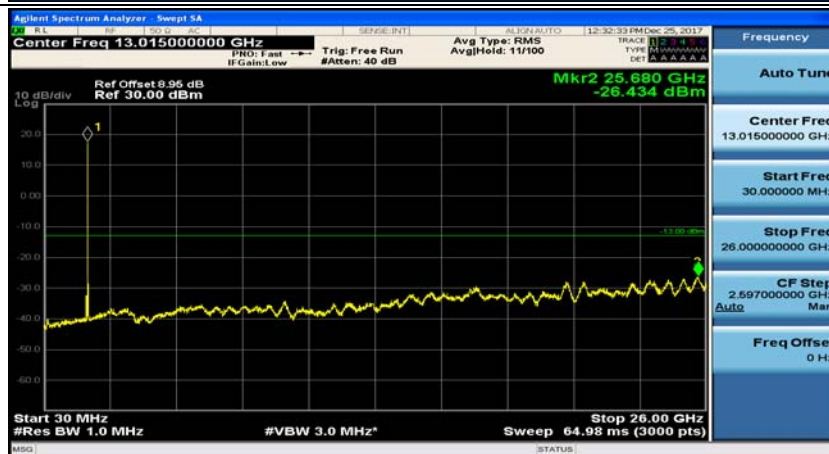
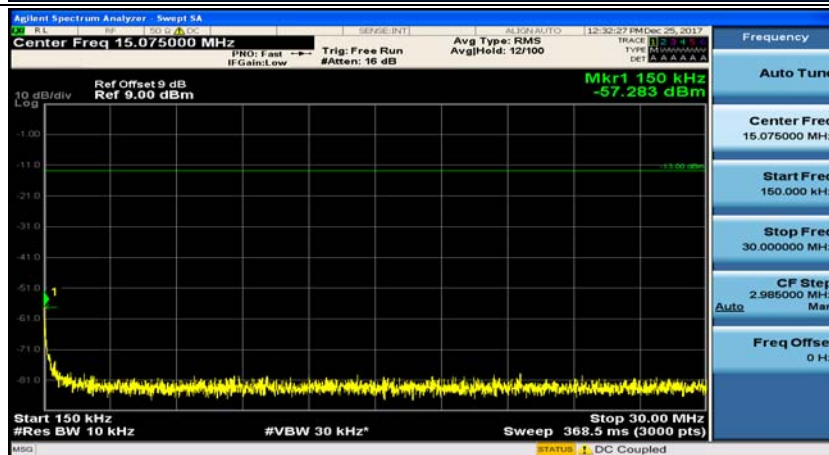
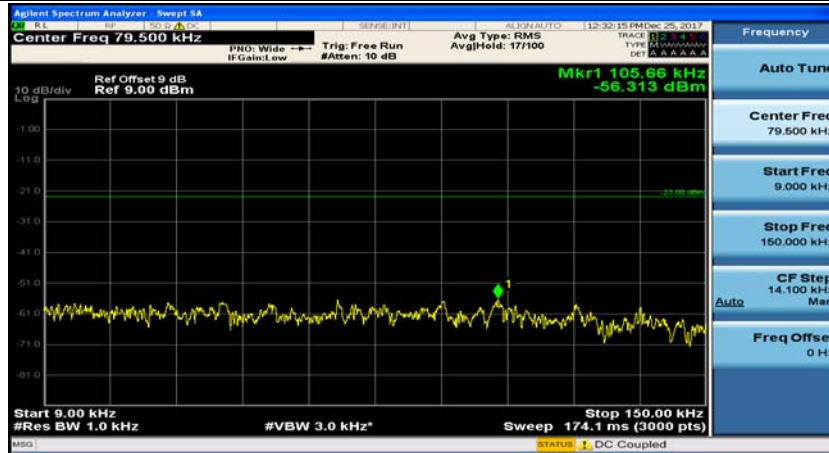


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

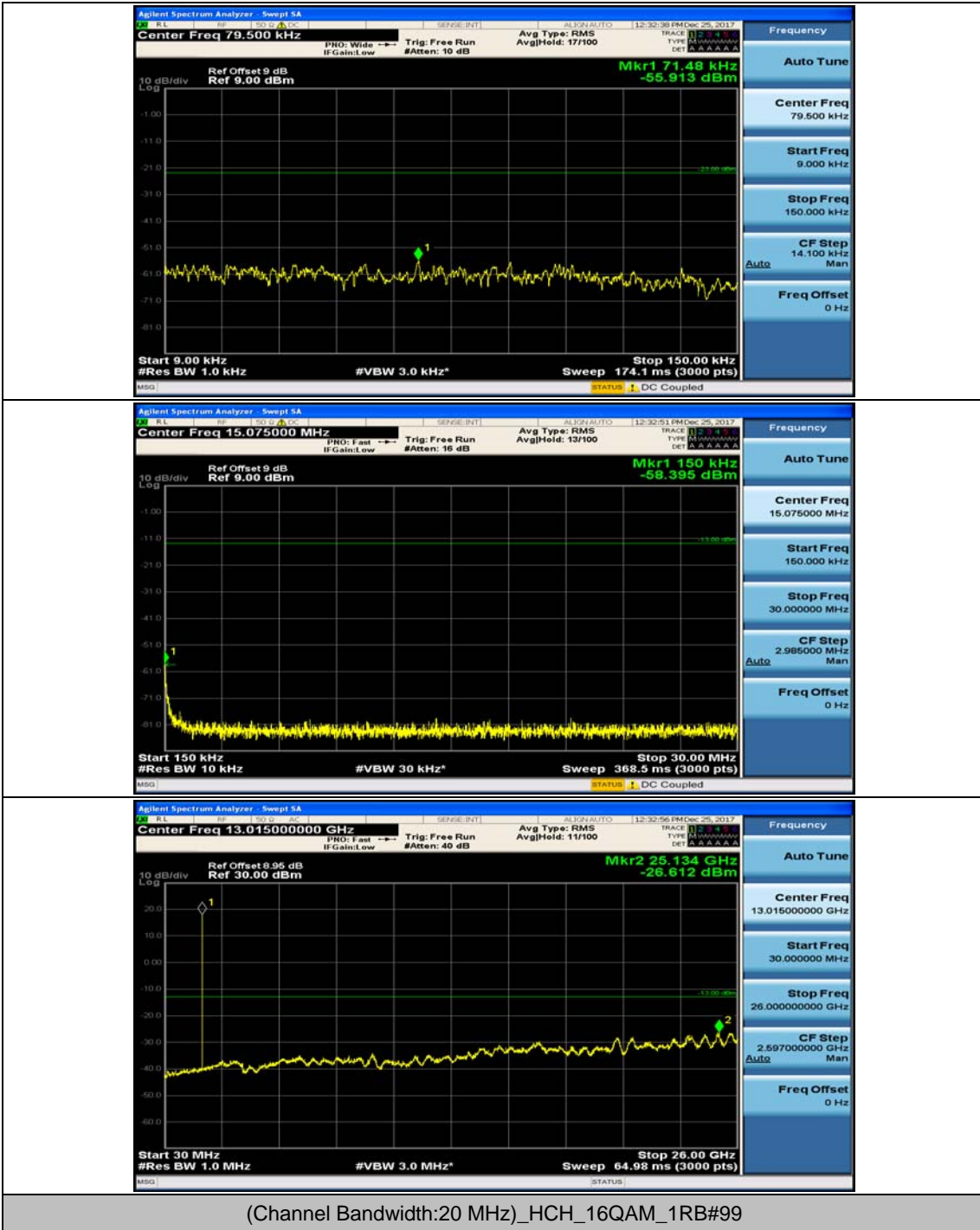


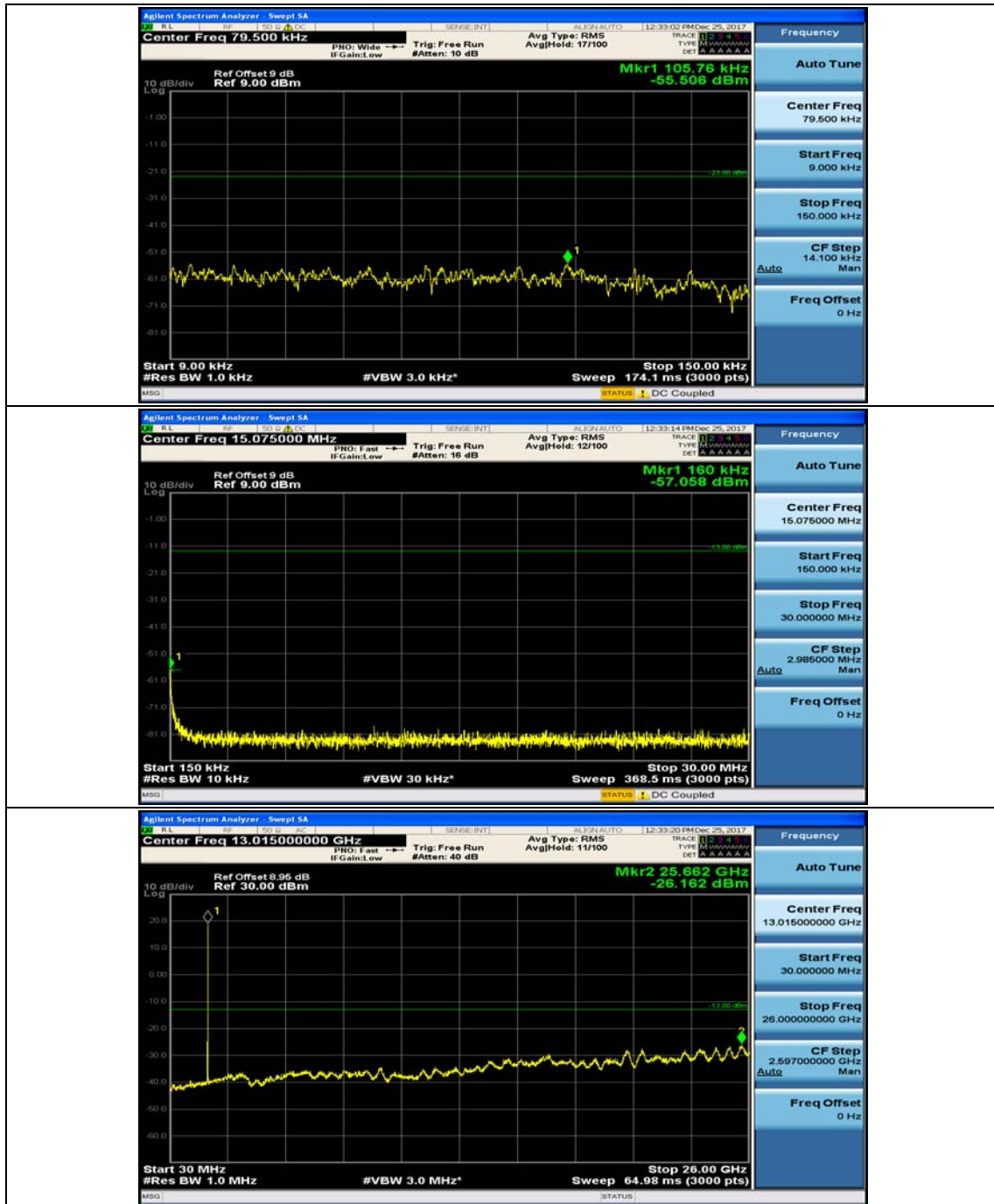


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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 ()	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.99	-0.001163	± 2.5	PASS
		VN	TN	3.86	0.002256	± 2.5	PASS
		VH	TN	-0.18	-0.000105	± 2.5	PASS
	MCH	VL	TN	-1.99	-0.001149	± 2.5	PASS
		VN	TN	1.47	0.000848	± 2.5	PASS
		VH	TN	-1.84	-0.001062	± 2.5	PASS
	HCH	VL	TN	4.19	0.002388	± 2.5	PASS
		VN	TN	-0.69	-0.000393	± 2.5	PASS
		VH	TN	2.01	0.001146	± 2.5	PASS
16QAM	LCH	VL	TN	2.5	0.001461	± 2.5	PASS
		VN	TN	1.41	0.000824	± 2.5	PASS
		VH	TN	4.19	0.002449	± 2.5	PASS
	MCH	VL	TN	3.64	0.002101	± 2.5	PASS
		VN	TN	4.99	0.002880	± 2.5	PASS
		VH	TN	2.9	0.001674	± 2.5	PASS
	HCH	VL	TN	-1.23	-0.000701	± 2.5	PASS
		VN	TN	-1.34	-0.000764	± 2.5	PASS
		VH	TN	1.02	0.000581	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.68	-0.000397	± 2.5	PASS
		VN	-20	1.37	0.000801	± 2.5	PASS
		VN	-10	2.28	0.001333	± 2.5	PASS
		VN	0	4.03	0.002356	± 2.5	PASS
		VN	10	0.9	0.000526	± 2.5	PASS
		VN	20	-0.55	-0.000322	± 2.5	PASS
		VN	30	4.87	0.002847	± 2.5	PASS
		VN	40	0.75	0.000438	± 2.5	PASS
	MCH	VN	-30	1.66	0.000958	± 2.5	PASS
		VN	-20	3.36	0.001939	± 2.5	PASS

		VN	-10	0.7	0.000404	± 2.5	PASS		
		VN	0	2.15	0.001241	± 2.5	PASS		
		VN	10	-1.04	-0.000600	± 2.5	PASS		
		VN	20	-0.37	-0.000214	± 2.5	PASS		
		VN	30	2.1	0.001212	± 2.5	PASS		
		VN	40	1.2	0.000693	± 2.5	PASS		
		VN	50	3.18	0.001835	± 2.5	PASS		
	HCH	VN	-30	-1.68	-0.000958	± 2.5	PASS		
		VN	-20	4.54	0.002588	± 2.5	PASS		
		VN	-10	1.52	0.000866	± 2.5	PASS		
		VN	0	1.66	0.000946	± 2.5	PASS		
		VN	10	-1.12	-0.000638	± 2.5	PASS		
		VN	20	3.06	0.001744	± 2.5	PASS		
		VN	30	3.53	0.002012	± 2.5	PASS		
		VN	40	4.76	0.002713	± 2.5	PASS		
		VN	50	-0.85	-0.000485	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.89	0.001105	± 2.5	PASS
				VN	-20	-0.8	-0.000468	± 2.5	PASS
VN	-10			-1.26	-0.000737	± 2.5	PASS		
VN	0			0.28	0.000164	± 2.5	PASS		
VN	10			-1.38	-0.000807	± 2.5	PASS		
VN	20			2.47	0.001444	± 2.5	PASS		
VN	30			2.3	0.001344	± 2.5	PASS		
VN	40			4.73	0.002765	± 2.5	PASS		
VN	50			1.14	0.000666	± 2.5	PASS		
MCH	VN		-30	-1.66	-0.000946	± 2.5	PASS		
	VN		-20	4.74	0.002702	± 2.5	PASS		
	VN		-10	0.41	0.000234	± 2.5	PASS		
	VN		0	-1.06	-0.000604	± 2.5	PASS		
	VN		10	1.77	0.001009	± 2.5	PASS		
	VN		20	3.47	0.001978	± 2.5	PASS		
	VN		30	3.87	0.002206	± 2.5	PASS		
	VN		40	4.06	0.002314	± 2.5	PASS		
	VN		50	-1.75	-0.000998	± 2.5	PASS		
HCH	VN		-30	0.22	0.000125	± 2.5	PASS		
	VN		-20	4.44	0.002531	± 2.5	PASS		
	VN		-10	-0.18	-0.000103	± 2.5	PASS		
	VN		0	3.44	0.001961	± 2.5	PASS		
	VN		10	0.11	0.000063	± 2.5	PASS		
	VN		20	2.86	0.001630	± 2.5	PASS		
	VN		30	4.3	0.002451	± 2.5	PASS		

		VN	40	1.16	0.000661	± 2.5	PASS
		VN	50	-0.76	-0.000433	± 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	1.89	0.001104	± 2.5	PASS
		VN	TN	2.81	0.001642	± 2.5	PASS
		VH	TN	0.6	0.000351	± 2.5	PASS
	MCH	VL	TN	-1.81	-0.001045	± 2.5	PASS
		VN	TN	-0.2	-0.000115	± 2.5	PASS
		VH	TN	-1.71	-0.000987	± 2.5	PASS
	HCH	VL	TN	4.01	0.002287	± 2.5	PASS
		VN	TN	-1	-0.000570	± 2.5	PASS
		VH	TN	4.17	0.002378	± 2.5	PASS
16QAM	LCH	VL	TN	3.89	0.002273	± 2.5	PASS
		VN	TN	2.4	0.001402	± 2.5	PASS
		VH	TN	-1.84	-0.001075	± 2.5	PASS
	MCH	VL	TN	1.31	0.000756	± 2.5	PASS
		VN	TN	2.74	0.001582	± 2.5	PASS
		VH	TN	-0.38	-0.000219	± 2.5	PASS
	HCH	VL	TN	-1.25	-0.000713	± 2.5	PASS
		VN	TN	0.42	0.000240	± 2.5	PASS
		VH	TN	4.16	0.002372	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.57	-0.000917	± 2.5	PASS
		VN	-20	0.92	0.000538	± 2.5	PASS
		VN	-10	2.93	0.001712	± 2.5	PASS
		VN	0	-1.18	-0.000689	± 2.5	PASS
		VN	10	2.42	0.001414	± 2.5	PASS
		VN	20	0.1	0.000058	± 2.5	PASS
		VN	30	3.53	0.002063	± 2.5	PASS
		VN	40	-1.08	-0.000631	± 2.5	PASS
		VN	50	0.9	0.000526	± 2.5	PASS
	MCH	VN	-30	3.24	0.001870	± 2.5	PASS
		VN	-20	3.27	0.001887	± 2.5	PASS
		VN	-10	4.86	0.002805	± 2.5	PASS

		VN	0	3.3	0.001905	± 2.5	PASS		
		VN	10	4	0.002309	± 2.5	PASS		
		VN	20	1.45	0.000837	± 2.5	PASS		
		VN	30	1.54	0.000889	± 2.5	PASS		
		VN	40	4.09	0.002361	± 2.5	PASS		
		VN	50	2.41	0.001391	± 2.5	PASS		
	HCH	VN	-30	-1.87	-0.001066	± 2.5	PASS		
		VN	-20	3.95	0.002253	± 2.5	PASS		
		VN	-10	-0.06	-0.000034	± 2.5	PASS		
		VN	0	-0.8	-0.000456	± 2.5	PASS		
		VN	10	1.39	0.000793	± 2.5	PASS		
		VN	20	0.01	0.000006	± 2.5	PASS		
		VN	30	2.42	0.001380	± 2.5	PASS		
		VN	40	4.7	0.002680	± 2.5	PASS		
		VN	50	3.38	0.001928	± 2.5	PASS		
		QPSK	LCH	VN	-30	1.66	0.000958	± 2.5	PASS
				VN	-20	2.54	0.001466	± 2.5	PASS
				VN	-10	-0.96	-0.000554	± 2.5	PASS
VN	0			2.83	0.001633	± 2.5	PASS		
VN	10			4.77	0.002753	± 2.5	PASS		
VN	20			2.13	0.001229	± 2.5	PASS		
VN	30			-1.26	-0.000727	± 2.5	PASS		
VN	40			-1.85	-0.001068	± 2.5	PASS		
VN	50			-1.67	-0.000964	± 2.5	PASS		
MCH	VN		-30	0.44	0.000251	± 2.5	PASS		
	VN		-20	2.6	0.001483	± 2.5	PASS		
	VN		-10	0.7	0.000399	± 2.5	PASS		
	VN		0	3.93	0.002241	± 2.5	PASS		
	VN		10	1.72	0.000981	± 2.5	PASS		
	VN		20	0.84	0.000479	± 2.5	PASS		
	VN		30	-1.78	-0.001015	± 2.5	PASS		
	VN		40	4.61	0.002629	± 2.5	PASS		
	VN		50	1.11	0.000633	± 2.5	PASS		
HCH	VN		-30	0.98	0.000559	± 2.5	PASS		
	VN		-20	-1.25	-0.000713	± 2.5	PASS		
	VN		-10	1.69	0.000964	± 2.5	PASS		
	VN		0	-1.72	-0.000981	± 2.5	PASS		
	VN		10	0.03	0.000017	± 2.5	PASS		
	VN		20	1.51	0.000861	± 2.5	PASS		
	VN	30	-1.09	-0.000622	± 2.5	PASS			
	VN	40	-1.7	-0.000969	± 2.5	PASS			

		VN	50	-1.35	-0.000770	± 2.5	PASS
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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	2.15	0.001255	± 2.5	PASS
		VN	TN	4.88	0.002850	± 2.5	PASS
		VH	TN	-0.1	-0.000058	± 2.5	PASS
	MCH	VL	TN	-1.24	-0.000716	± 2.5	PASS
		VN	TN	-1.82	-0.001051	± 2.5	PASS
		VH	TN	1.79	0.001033	± 2.5	PASS
	HCH	VL	TN	3.91	0.002231	± 2.5	PASS
		VN	TN	2.73	0.001558	± 2.5	PASS
		VH	TN	3.07	0.001752	± 2.5	PASS
16QAM	LCH	VL	TN	3.17	0.001851	± 2.5	PASS
		VN	TN	4	0.002336	± 2.5	PASS
		VH	TN	0.03	0.000018	± 2.5	PASS
	MCH	VL	TN	-1.11	-0.000641	± 2.5	PASS
		VN	TN	3.21	0.001853	± 2.5	PASS
		VH	TN	0.53	0.000306	± 2.5	PASS
	HCH	VL	TN	1.18	0.000673	± 2.5	PASS
		VN	TN	3.97	0.002265	± 2.5	PASS
		VH	TN	1.92	0.001096	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.18	0.000105	± 2.5	PASS
		VN	-20	3.42	0.001997	± 2.5	PASS
		VN	-10	2.43	0.001419	± 2.5	PASS
		VN	0	4.25	0.002482	± 2.5	PASS
		VN	10	4.15	0.002423	± 2.5	PASS
		VN	20	1.39	0.000812	± 2.5	PASS
		VN	30	2.98	0.001740	± 2.5	PASS
		VN	40	3.91	0.002283	± 2.5	PASS
		VN	50	2.4	0.001401	± 2.5	PASS
	MCH	VN	-30	1.95	0.001126	± 2.5	PASS
		VN	-20	3.96	0.002286	± 2.5	PASS
		VN	-10	1.17	0.000675	± 2.5	PASS
		VN	0	-0.54	-0.000312	± 2.5	PASS

		VN	10	-1.48	-0.000854	± 2.5	PASS
		VN	20	2.68	0.001547	± 2.5	PASS
		VN	30	4.53	0.002615	± 2.5	PASS
		VN	40	2.82	0.001628	± 2.5	PASS
		VN	50	-0.58	-0.000335	± 2.5	PASS
	HCH	VN	-30	4.84	0.002762	± 2.5	PASS
		VN	-20	1.48	0.000776	± 2.5	PASS
		VN	-10	-0.74	-0.000388	± 2.5	PASS
		VN	0	4.39	0.002301	± 2.5	PASS
		VN	10	3.09	0.001620	± 2.5	PASS
		VN	20	-0.23	-0.000121	± 2.5	PASS
		VN	30	3.38	0.001772	± 2.5	PASS
		VN	40	-1.65	-0.000865	± 2.5	PASS
		VN	50	0.87	0.000456	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.79	-0.001033
VN	-20			-1.14	-0.000658	± 2.5	PASS
VN	-10			-1.21	-0.000698	± 2.5	PASS
VN	0			4.82	0.002782	± 2.5	PASS
VN	10			1.51	0.000872	± 2.5	PASS
VN	20			-1.83	-0.001056	± 2.5	PASS
VN	30			1.57	0.000906	± 2.5	PASS
VN	40			-0.99	-0.000571	± 2.5	PASS
VN	50			-0.62	-0.000358	± 2.5	PASS
MCH	VN		-30	4.26	0.002431	± 2.5	PASS
	VN		-20	4.49	0.002562	± 2.5	PASS
	VN		-10	3.68	0.002100	± 2.5	PASS
	VN		0	3.23	0.001843	± 2.5	PASS
	VN		10	4.38	0.002499	± 2.5	PASS
	VN		20	1.82	0.001039	± 2.5	PASS
	VN		30	2.25	0.001284	± 2.5	PASS
	VN		40	3.59	0.002049	± 2.5	PASS
	VN		50	4.03	0.002300	± 2.5	PASS
HCH	VN		-30	3.01	0.001578	± 2.5	PASS
	VN		-20	-1.73	-0.000907	± 2.5	PASS
	VN		-10	4.34	0.002275	± 2.5	PASS
	VN		0	-1.63	-0.000855	± 2.5	PASS
	VN		10	0.86	0.000451	± 2.5	PASS
	VN		20	2.12	0.001111	± 2.5	PASS
	VN		30	1.45	0.000760	± 2.5	PASS
	VN		40	0.51	0.000267	± 2.5	PASS
	VN		50	4.09	0.002144	± 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	1.58	0.000921	± 2.5	PASS
		VN	TN	4.07	0.002373	± 2.5	PASS
		VH	TN	2.77	0.001615	± 2.5	PASS
	MCH	VL	TN	-1.65	-0.000952	± 2.5	PASS
		VN	TN	0.18	0.000104	± 2.5	PASS
		VH	TN	4.75	0.002742	± 2.5	PASS
	HCH	VL	TN	0.18	0.000103	± 2.5	PASS
		VN	TN	-0.76	-0.000434	± 2.5	PASS
		VH	TN	1.51	0.000863	± 2.5	PASS
16QAM	LCH	VL	TN	1.59	0.000927	± 2.5	PASS
		VN	TN	0.33	0.000192	± 2.5	PASS
		VH	TN	0.91	0.000531	± 2.5	PASS
	MCH	VL	TN	1.46	0.000843	± 2.5	PASS
		VN	TN	-1.49	-0.000860	± 2.5	PASS
		VH	TN	0.74	0.000427	± 2.5	PASS
	HCH	VL	TN	4.54	0.002594	± 2.5	PASS
		VN	TN	2.14	0.001223	± 2.5	PASS
		VH	TN	4.21	0.002406	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.16	0.000093	± 2.5	PASS
		VN	-20	-0.24	-0.000140	± 2.5	PASS
		VN	-10	-0.94	-0.000548	± 2.5	PASS
		VN	0	-1.54	-0.000898	± 2.5	PASS
		VN	10	4.14	0.002414	± 2.5	PASS
		VN	20	4.01	0.002338	± 2.5	PASS
		VN	30	3.87	0.002257	± 2.5	PASS
		VN	40	1.79	0.001044	± 2.5	PASS
		VN	50	-1.14	-0.000665	± 2.5	PASS
	MCH	VN	-30	-1.58	-0.000912	± 2.5	PASS
		VN	-20	-1.42	-0.000820	± 2.5	PASS
		VN	-10	4.85	0.002799	± 2.5	PASS
		VN	0	3.23	0.001864	± 2.5	PASS
		VN	10	1.32	0.000762	± 2.5	PASS
		VN	20	2.33	0.001345	± 2.5	PASS

	VN	30	0.8	0.000462	± 2.5	PASS	
		40	3.56	0.002055	± 2.5	PASS	
		50	2.16	0.001247	± 2.5	PASS	
	HCH	VN	-30	2.06	0.001177	± 2.5	PASS
		VN	-20	0.8	0.000457	± 2.5	PASS
		VN	-10	4.62	0.002640	± 2.5	PASS
		VN	0	-0.61	-0.000349	± 2.5	PASS
		VN	10	0.52	0.000297	± 2.5	PASS
		VN	20	-0.88	-0.000503	± 2.5	PASS
		VN	30	4.06	0.002320	± 2.5	PASS
		VN	40	-1.28	-0.000731	± 2.5	PASS
		VN	50	2.55	0.001457	± 2.5	PASS
QPSK	LCH	VN	-30	3.11	0.001795	± 2.5	PASS
		VN	-20	1.31	0.000756	± 2.5	PASS
		VN	-10	1.11	0.000641	± 2.5	PASS
		VN	0	2.22	0.001281	± 2.5	PASS
		VN	10	-1.35	-0.000779	± 2.5	PASS
		VN	20	-0.47	-0.000271	± 2.5	PASS
		VN	30	1.58	0.000912	± 2.5	PASS
		VN	40	3.47	0.002003	± 2.5	PASS
		VN	50	2.64	0.001524	± 2.5	PASS
	MCH	VN	-30	2.52	0.001440	± 2.5	PASS
		VN	-20	3.74	0.002137	± 2.5	PASS
		VN	-10	4.51	0.002577	± 2.5	PASS
		VN	0	0.64	0.000366	± 2.5	PASS
		VN	10	1.64	0.000937	± 2.5	PASS
		VN	20	4.75	0.002714	± 2.5	PASS
		VN	30	1.77	0.001011	± 2.5	PASS
		VN	40	1.81	0.001034	± 2.5	PASS
		VN	50	3.32	0.001897	± 2.5	PASS
	HCH	VN	-30	-1.8	-0.001029	± 2.5	PASS
		VN	-20	2.37	0.001354	± 2.5	PASS
		VN	-10	4.56	0.002606	± 2.5	PASS
		VN	0	-1.62	-0.000926	± 2.5	PASS
		VN	10	3.11	0.001777	± 2.5	PASS
		VN	20	-1.71	-0.000977	± 2.5	PASS
		VN	30	2.29	0.001309	± 2.5	PASS
		VN	40	2.34	0.001337	± 2.5	PASS
	VN	50	3.34	0.001909	± 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	2.97	0.001729	± 2.5	PASS
		VN	TN	3.27	0.001904	± 2.5	PASS
		VH	TN	-0.96	-0.000559	± 2.5	PASS
	MCH	VL	TN	1.57	0.000906	± 2.5	PASS
		VN	TN	3.81	0.002199	± 2.5	PASS
		VH	TN	4.18	0.002413	± 2.5	PASS
	HCH	VL	TN	-0.47	-0.000269	± 2.5	PASS
		VN	TN	-0.46	-0.000263	± 2.5	PASS
		VH	TN	3.02	0.001728	± 2.5	PASS
16QAM	LCH	VL	TN	-0.08	-0.000047	± 2.5	PASS
		VN	TN	-0.05	-0.000029	± 2.5	PASS
		VH	TN	-1.14	-0.000664	± 2.5	PASS
	MCH	VL	TN	4.92	0.002840	± 2.5	PASS
		VN	TN	3.42	0.001974	± 2.5	PASS
		VH	TN	1.4	0.000808	± 2.5	PASS
	HCH	VL	TN	3.32	0.001900	± 2.5	PASS
		VN	TN	4.14	0.002369	± 2.5	PASS
		VH	TN	-1.21	-0.000692	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.74	0.001595	± 2.5	PASS
		VN	-20	0.01	0.000006	± 2.5	PASS
		VN	-10	0.89	0.000518	± 2.5	PASS
		VN	0	-0.31	-0.000180	± 2.5	PASS
		VN	10	4.96	0.002888	± 2.5	PASS
		VN	20	0.16	0.000093	± 2.5	PASS
		VN	30	-0.78	-0.000454	± 2.5	PASS
		VN	40	0.81	0.000472	± 2.5	PASS
		VN	50	-1.02	-0.000594	± 2.5	PASS
	MCH	VN	-30	1.75	0.001010	± 2.5	PASS
		VN	-20	4.82	0.002782	± 2.5	PASS
		VN	-10	4.13	0.002384	± 2.5	PASS
		VN	0	0.92	0.000531	± 2.5	PASS
		VN	10	4.86	0.002805	± 2.5	PASS
		VN	20	4.6	0.002655	± 2.5	PASS

		VN	30	3.76	0.002170	± 2.5	PASS
		VN	40	1.02	0.000589	± 2.5	PASS
		VN	50	0.09	0.000052	± 2.5	PASS
	HCH	VN	-30	2.85	0.001631	± 2.5	PASS
		VN	-20	0.64	0.000366	± 2.5	PASS
		VN	-10	3.89	0.002226	± 2.5	PASS
		VN	0	-0.43	-0.000246	± 2.5	PASS
		VN	10	4.68	0.002678	± 2.5	PASS
		VN	20	1.66	0.000950	± 2.5	PASS
		VN	30	4.84	0.002770	± 2.5	PASS
		VN	40	4.14	0.002369	± 2.5	PASS
		VN	50	0.29	0.000166	± 2.5	PASS
QPSK	LCH	VN	-30	0.86	0.000496	± 2.5	PASS
		VN	-20	-1.6	-0.000924	± 2.5	PASS
		VN	-10	0.66	0.000381	± 2.5	PASS
		VN	0	2.85	0.001645	± 2.5	PASS
		VN	10	3.54	0.002043	± 2.5	PASS
		VN	20	1.84	0.001062	± 2.5	PASS
		VN	30	-1.78	-0.001027	± 2.5	PASS
		VN	40	-0.39	-0.000225	± 2.5	PASS
		VN	50	0.62	0.000358	± 2.5	PASS
	MCH	VN	-30	-1.8	-0.001030	± 2.5	PASS
		VN	-20	1.2	0.000687	± 2.5	PASS
		VN	-10	2.1	0.001202	± 2.5	PASS
		VN	0	2.58	0.001476	± 2.5	PASS
		VN	10	1.02	0.000584	± 2.5	PASS
		VN	20	-1.43	-0.000818	± 2.5	PASS
		VN	30	2.94	0.001682	± 2.5	PASS
		VN	40	2	0.001144	± 2.5	PASS
		VN	50	3.97	0.002272	± 2.5	PASS
	HCH	VN	-30	-1.69	-0.000967	± 2.5	PASS
		VN	-20	4.79	0.002741	± 2.5	PASS
		VN	-10	-1.84	-0.001053	± 2.5	PASS
		VN	0	4.58	0.002621	± 2.5	PASS
		VN	10	2.5	0.001431	± 2.5	PASS
		VN	20	3.71	0.002123	± 2.5	PASS
		VN	30	4.52	0.002587	± 2.5	PASS
		VN	40	3.71	0.002123	± 2.5	PASS
		VN	50	1.34	0.000767	± 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	1.3	0.000756	± 2.5	PASS
		VN	TN	4.83	0.002808	± 2.5	PASS
		VH	TN	-0.87	-0.000506	± 2.5	PASS
	MCH	VL	TN	2.96	0.001709	± 2.5	PASS
		VN	TN	1.14	0.000658	± 2.5	PASS
		VH	TN	4.8	0.002771	± 2.5	PASS
	HCH	VL	TN	3.06	0.001754	± 2.5	PASS
		VN	TN	-1.24	-0.000711	± 2.5	PASS
		VH	TN	1.85	0.001060	± 2.5	PASS
16QAM	LCH	VL	TN	0.9	0.000523	± 2.5	PASS
		VN	TN	3.15	0.001831	± 2.5	PASS
		VH	TN	0.35	0.000203	± 2.5	PASS
	MCH	VL	TN	2.38	0.001374	± 2.5	PASS
		VN	TN	-1.48	-0.000854	± 2.5	PASS
		VH	TN	0.61	0.000352	± 2.5	PASS
	HCH	VL	TN	-0.86	-0.000493	± 2.5	PASS
		VN	TN	-0.34	-0.000195	± 2.5	PASS
		VH	TN	-0.37	-0.000212	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.99	-0.000576	± 2.5	PASS
		VN	-20	4.8	0.002791	± 2.5	PASS
		VN	-10	0.69	0.000401	± 2.5	PASS
		VN	0	4.73	0.002750	± 2.5	PASS
		VN	10	-1.72	-0.001000	± 2.5	PASS
		VN	20	2.12	0.001233	± 2.5	PASS
		VN	30	0.98	0.000570	± 2.5	PASS
		VN	40	1.67	0.000971	± 2.5	PASS
		VN	50	1.07	0.000622	± 2.5	PASS
	MCH	VN	-30	-0.02	-0.000012	± 2.5	PASS
		VN	-20	4.97	0.002869	± 2.5	PASS
		VN	-10	2.36	0.001362	± 2.5	PASS
		VN	0	-1.17	-0.000675	± 2.5	PASS
		VN	10	3.78	0.002182	± 2.5	PASS
		VN	20	1	0.000577	± 2.5	PASS

	VN	30	4.29	0.002476	± 2.5	PASS	
		40	-1.61	-0.000929	± 2.5	PASS	
		50	4.78	0.002759	± 2.5	PASS	
	HCH	VN	-30	1.26	0.000722	± 2.5	PASS
		VN	-20	3.63	0.002080	± 2.5	PASS
		VN	-10	-0.19	-0.000109	± 2.5	PASS
		VN	0	-1.06	-0.000607	± 2.5	PASS
		VN	10	2.65	0.001519	± 2.5	PASS
		VN	20	-0.29	-0.000166	± 2.5	PASS
		VN	30	-1.96	-0.001123	± 2.5	PASS
		VN	40	4.36	0.002499	± 2.5	PASS
		VN	50	-0.98	-0.000562	± 2.5	PASS
QPSK	LCH	VN	-30	0.32	0.000185	± 2.5	PASS
		VN	-20	-1.86	-0.001074	± 2.5	PASS
		VN	-10	0.05	0.000029	± 2.5	PASS
		VN	0	1.14	0.000658	± 2.5	PASS
		VN	10	-0.33	-0.000190	± 2.5	PASS
		VN	20	-0.28	-0.000162	± 2.5	PASS
		VN	30	1.42	0.000820	± 2.5	PASS
		VN	40	-0.5	-0.000289	± 2.5	PASS
		VN	50	-0.75	-0.000433	± 2.5	PASS
	MCH	VN	-30	2.89	0.001656	± 2.5	PASS
		VN	-20	0.25	0.000143	± 2.5	PASS
		VN	-10	-1.72	-0.000986	± 2.5	PASS
		VN	0	1.78	0.001020	± 2.5	PASS
		VN	10	1.45	0.000831	± 2.5	PASS
		VN	20	3.69	0.002115	± 2.5	PASS
		VN	30	4.48	0.002567	± 2.5	PASS
		VN	40	-0.47	-0.000269	± 2.5	PASS
		VN	50	2.99	0.001713	± 2.5	PASS
	HCH	VN	-30	0.67	0.000384	± 2.5	PASS
		VN	-20	-0.46	-0.000264	± 2.5	PASS
		VN	-10	4.03	0.002309	± 2.5	PASS
		VN	0	-1.69	-0.000968	± 2.5	PASS
		VN	10	4.82	0.002762	± 2.5	PASS
		VN	20	4.28	0.002453	± 2.5	PASS
		VN	30	0.66	0.000378	± 2.5	PASS
		VN	40	0.91	0.000521	± 2.5	PASS
		VN	50	3.37	0.001931	± 2.5	PASS