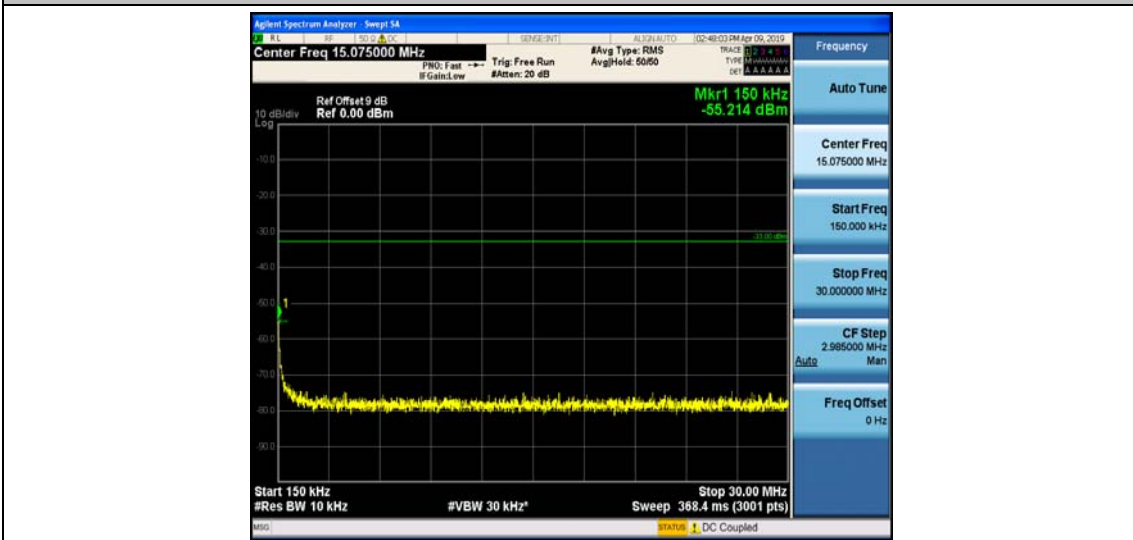




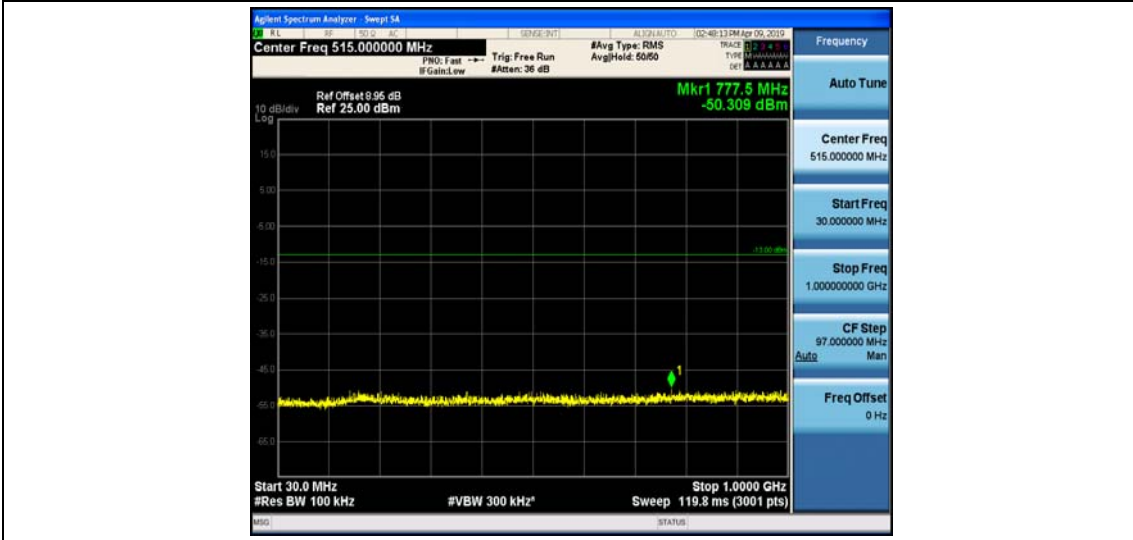
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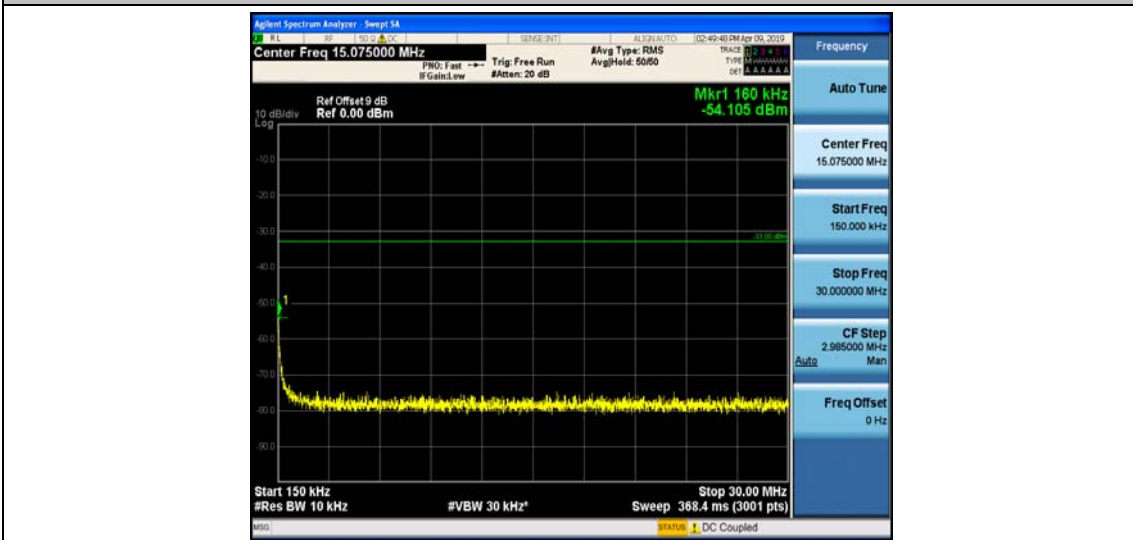
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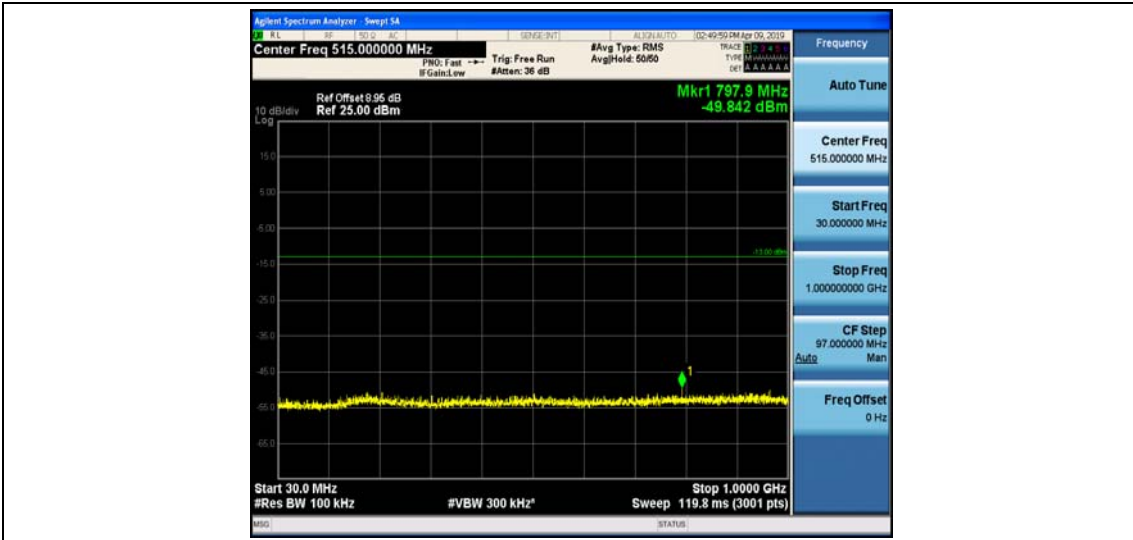
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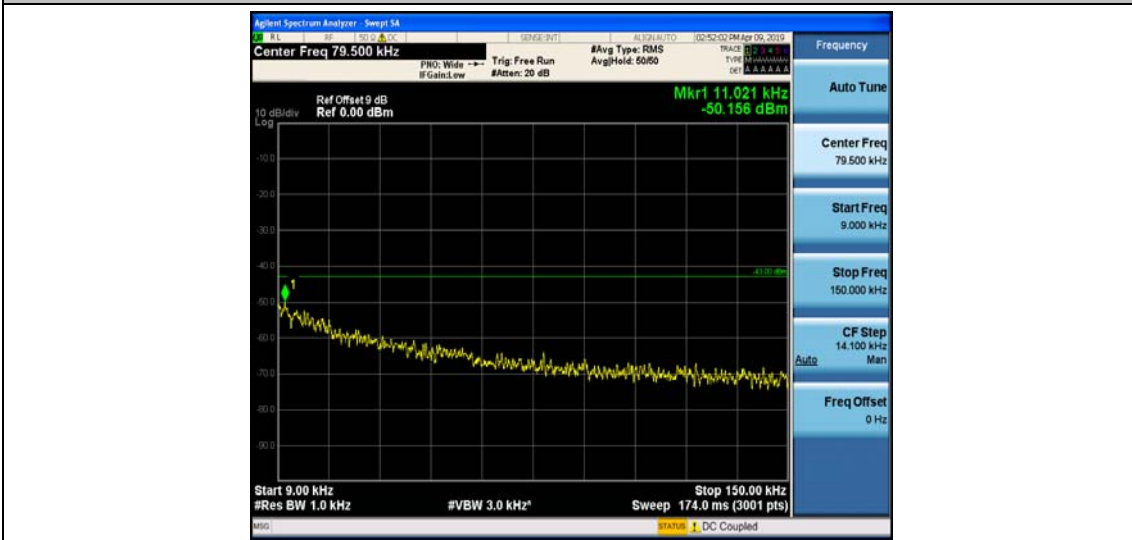
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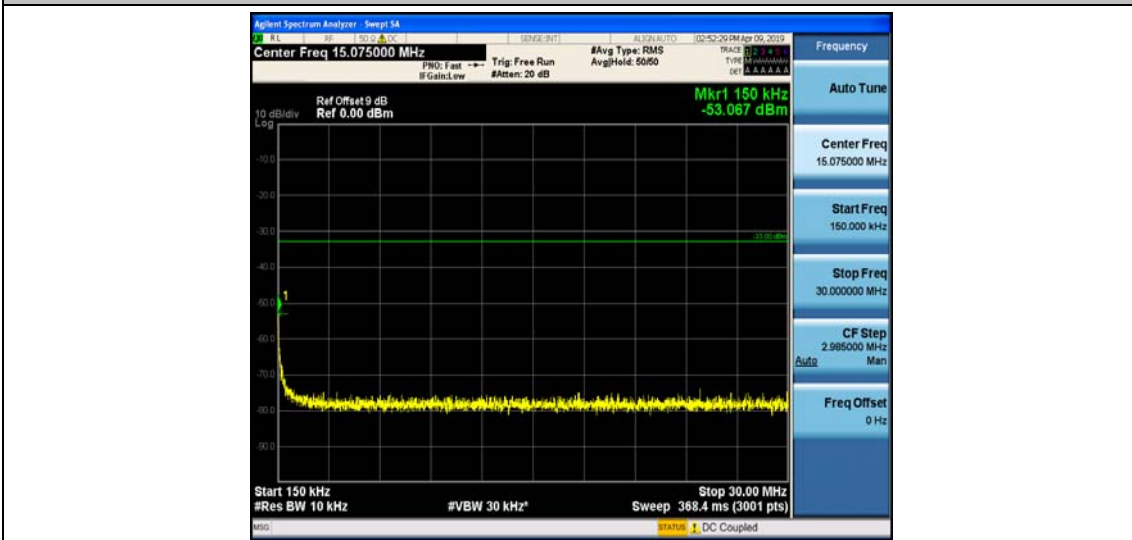
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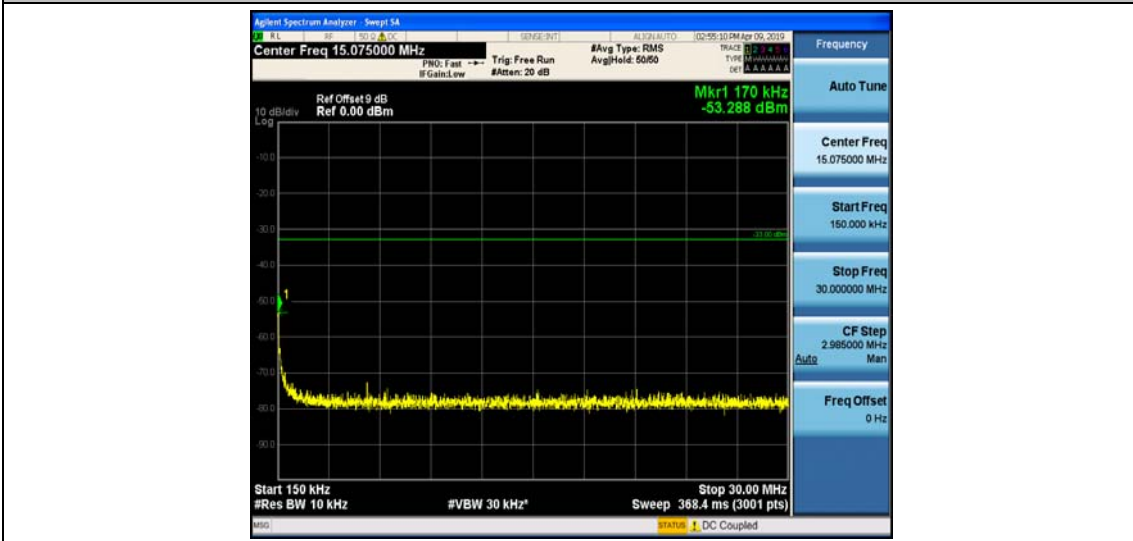
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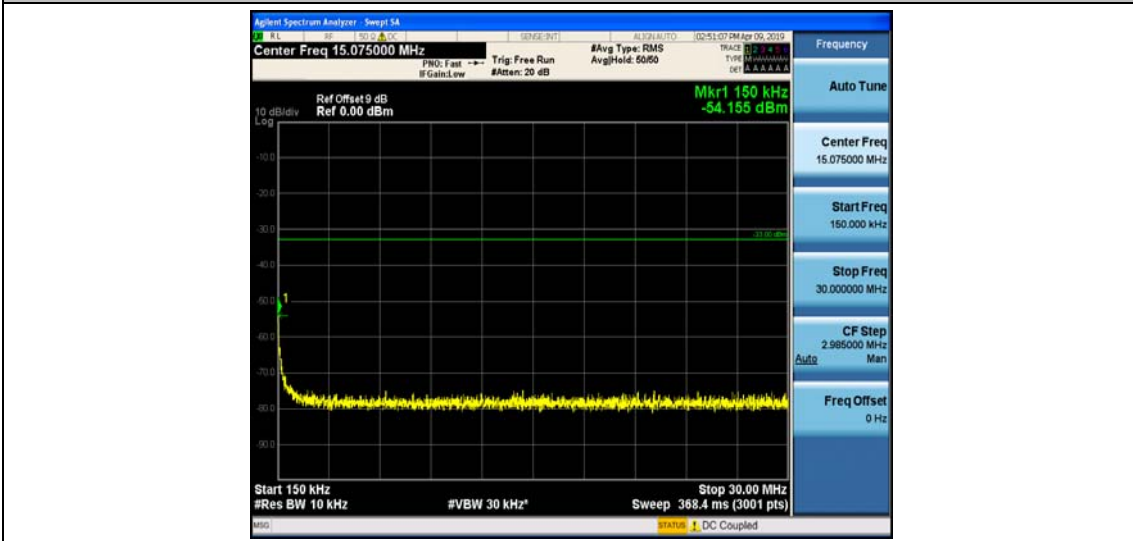
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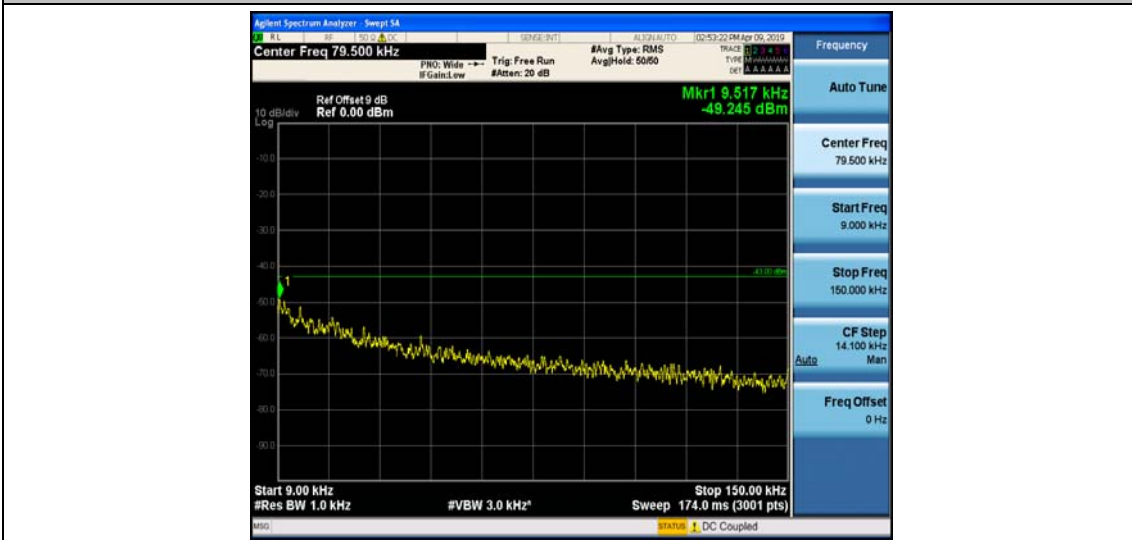
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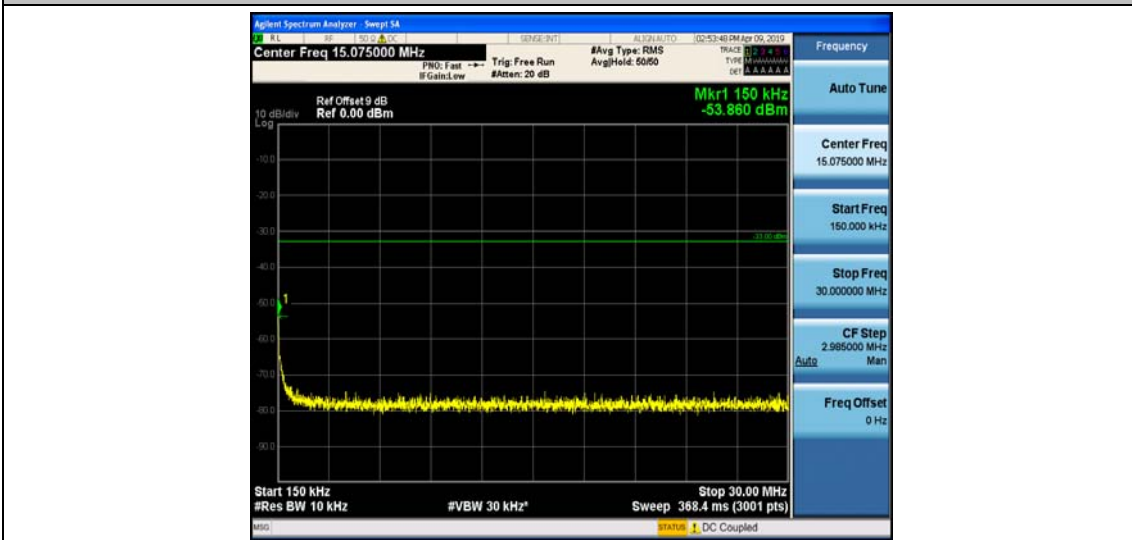
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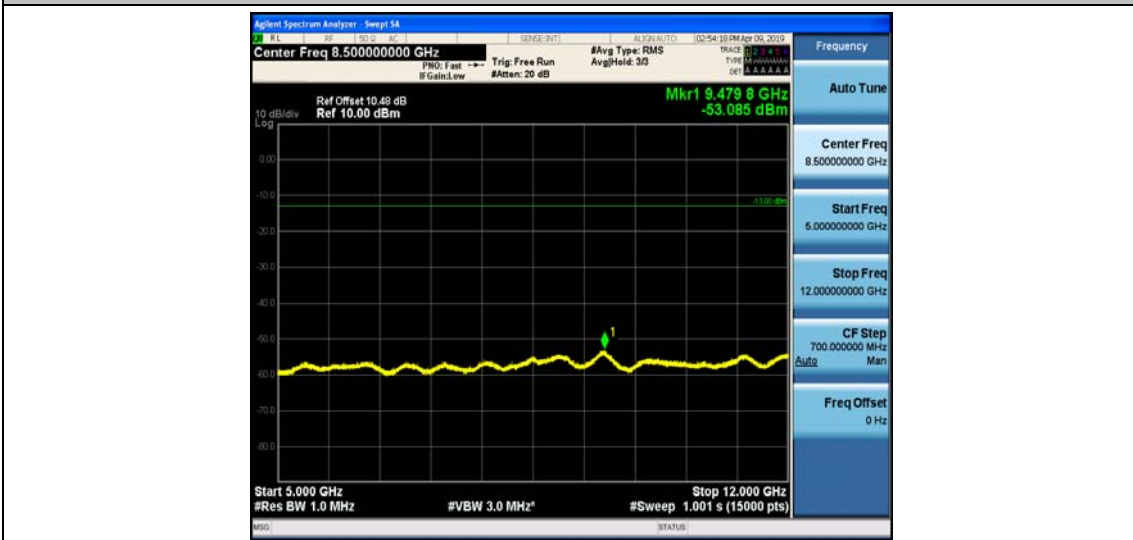
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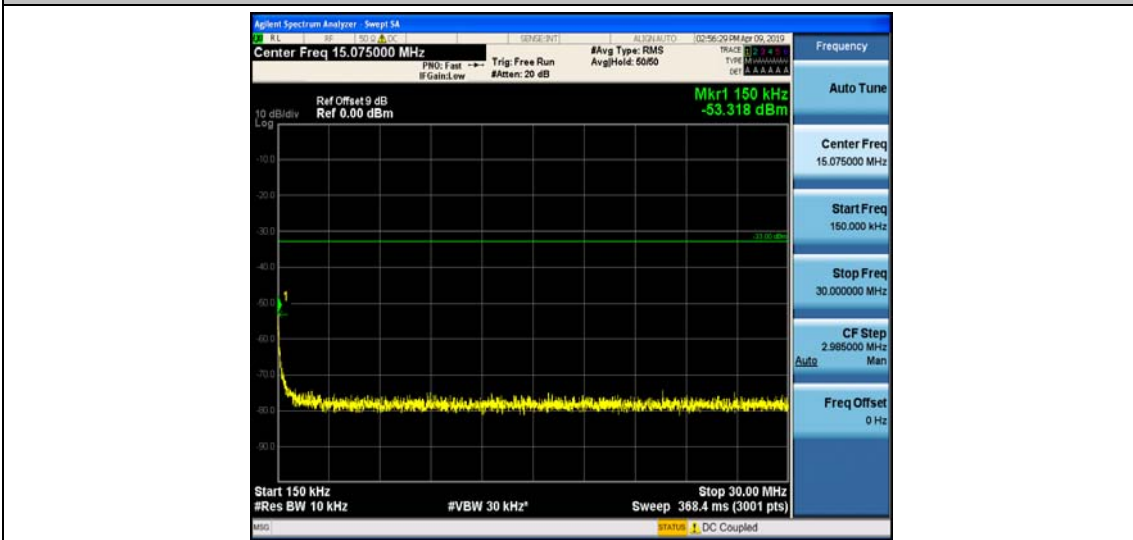
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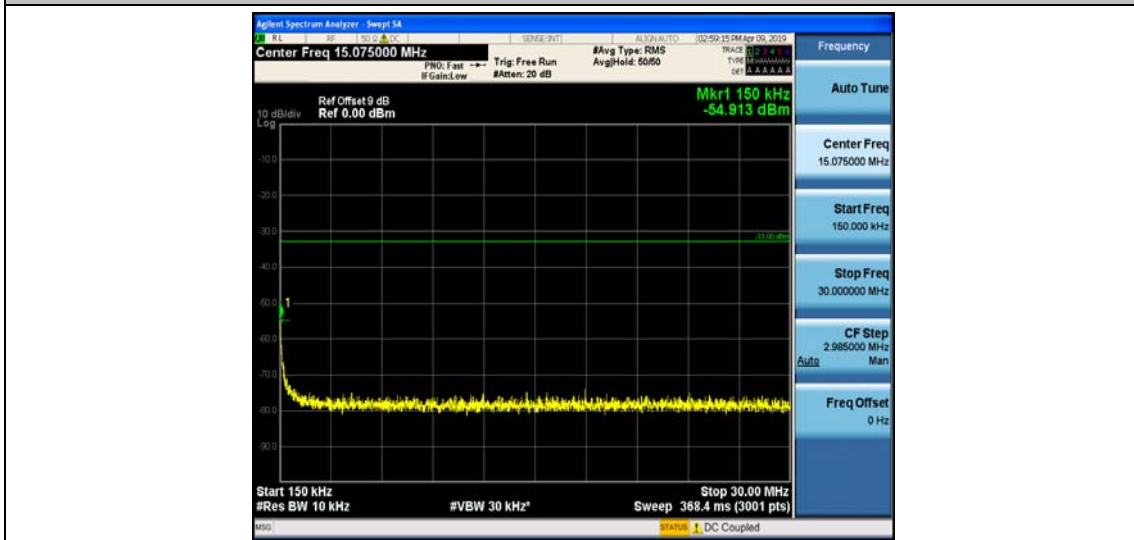
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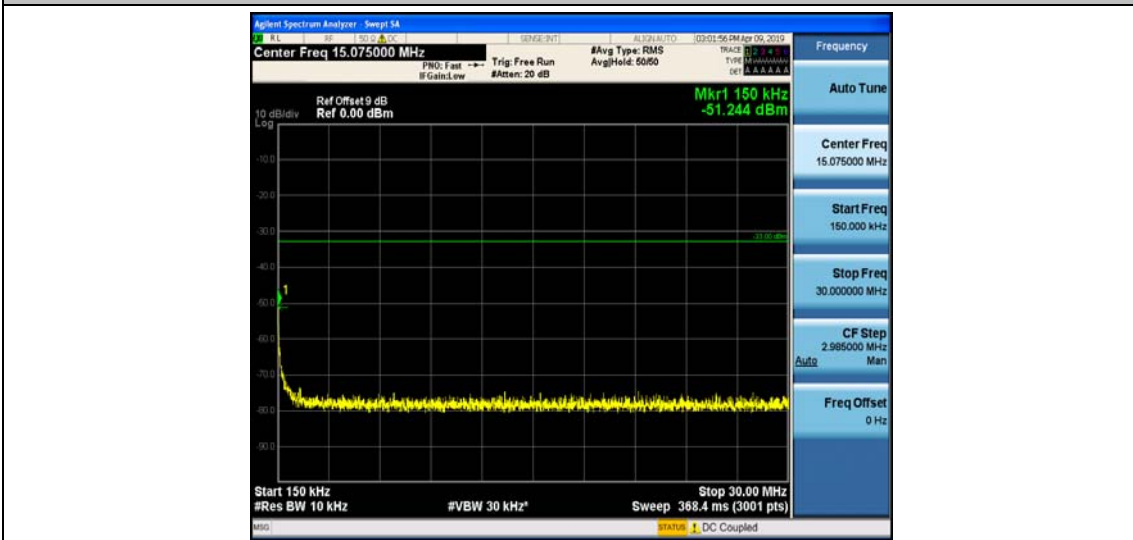
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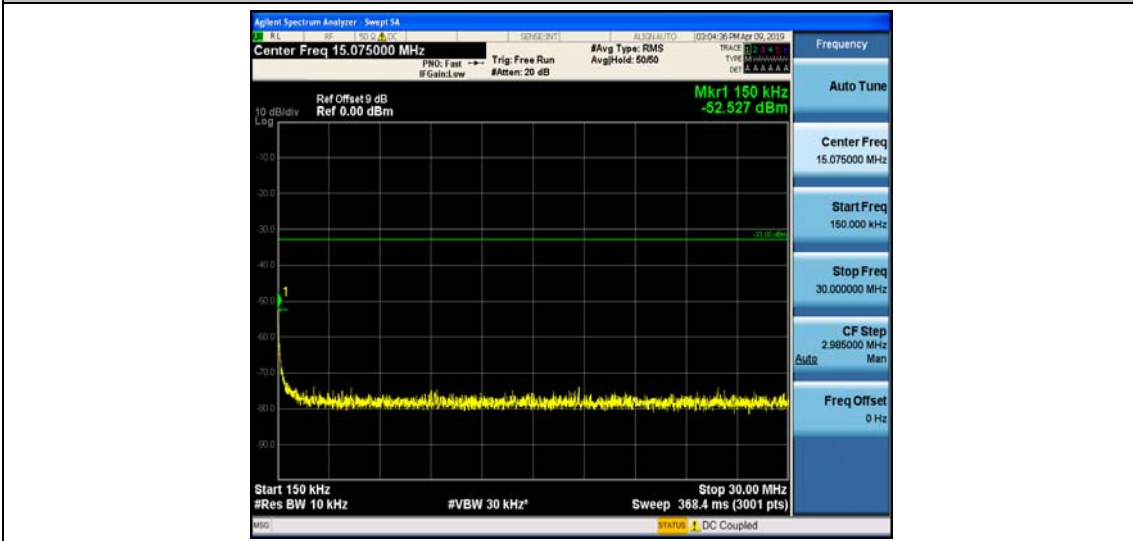
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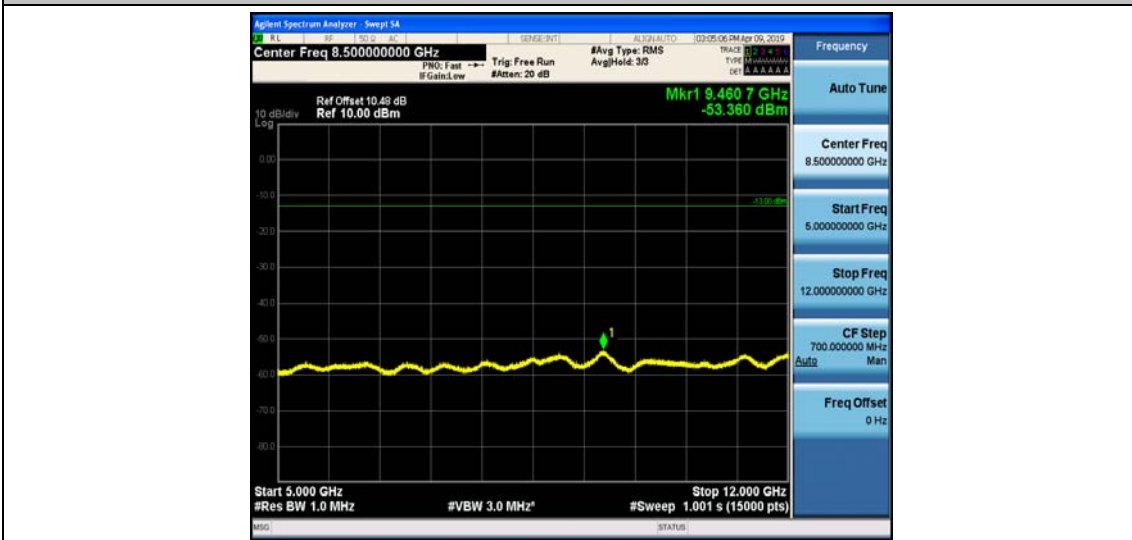
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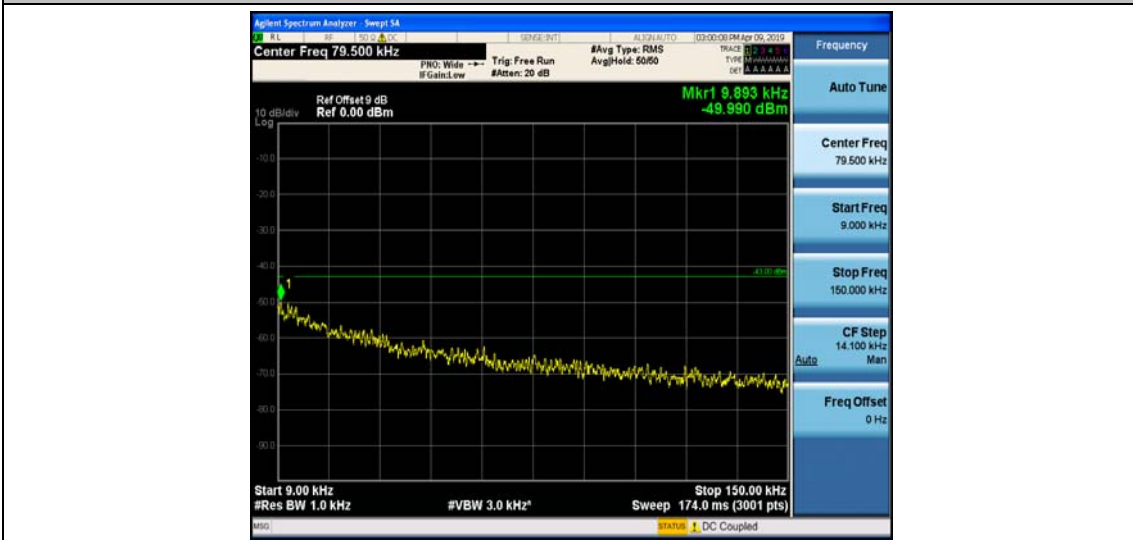
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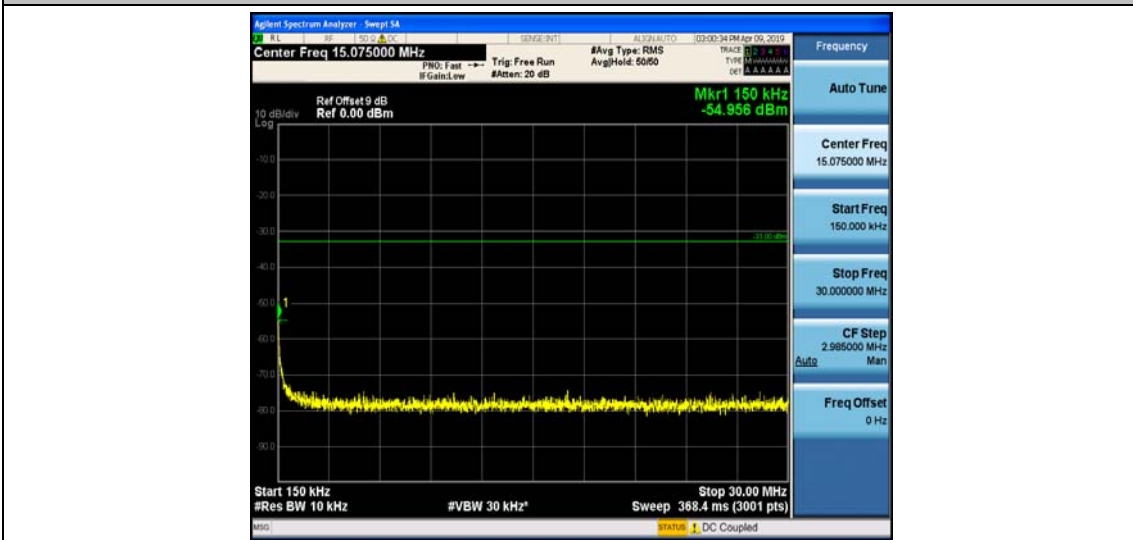
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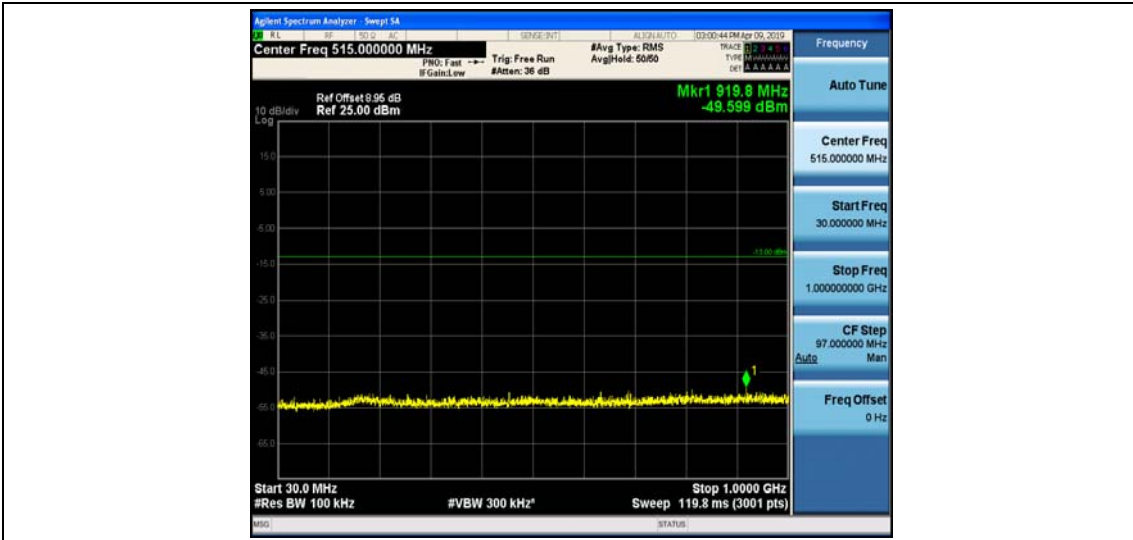
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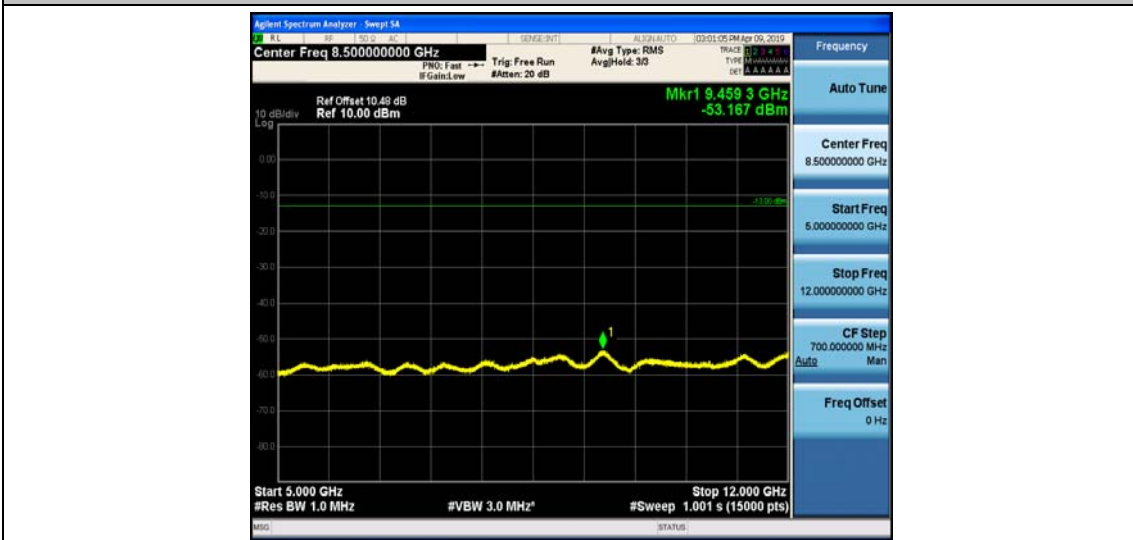
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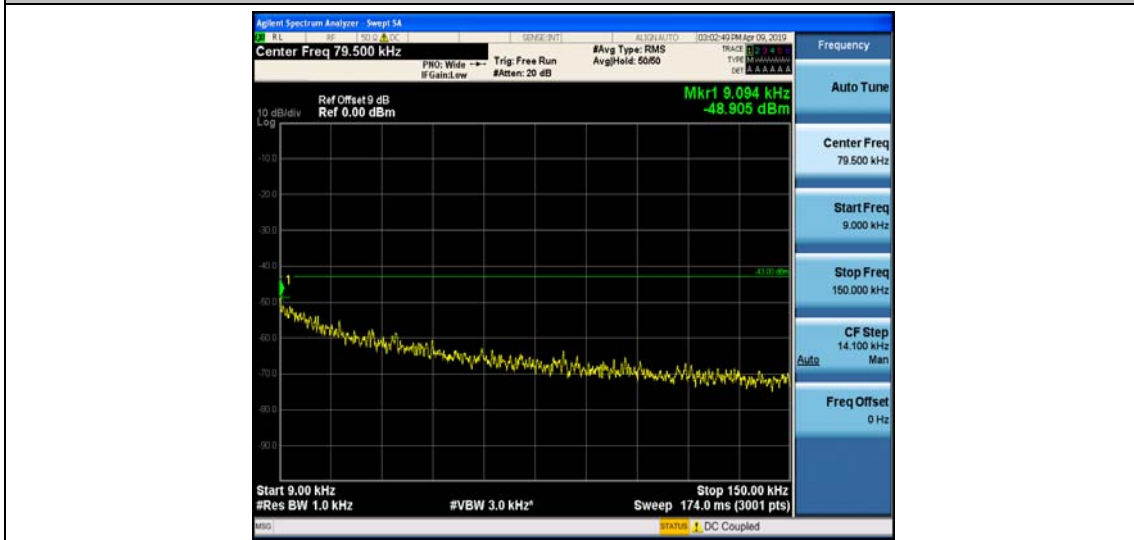
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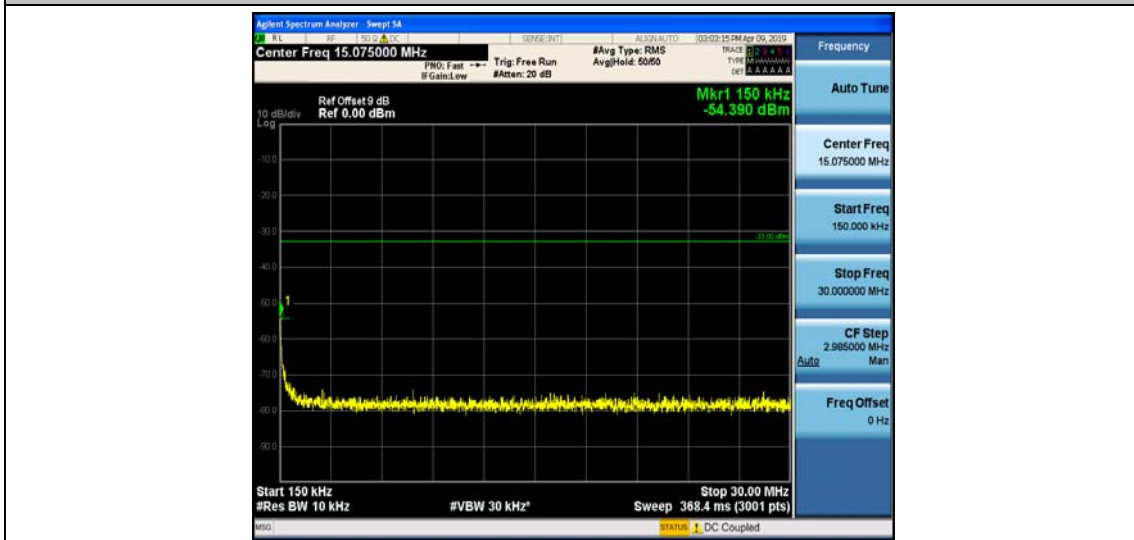
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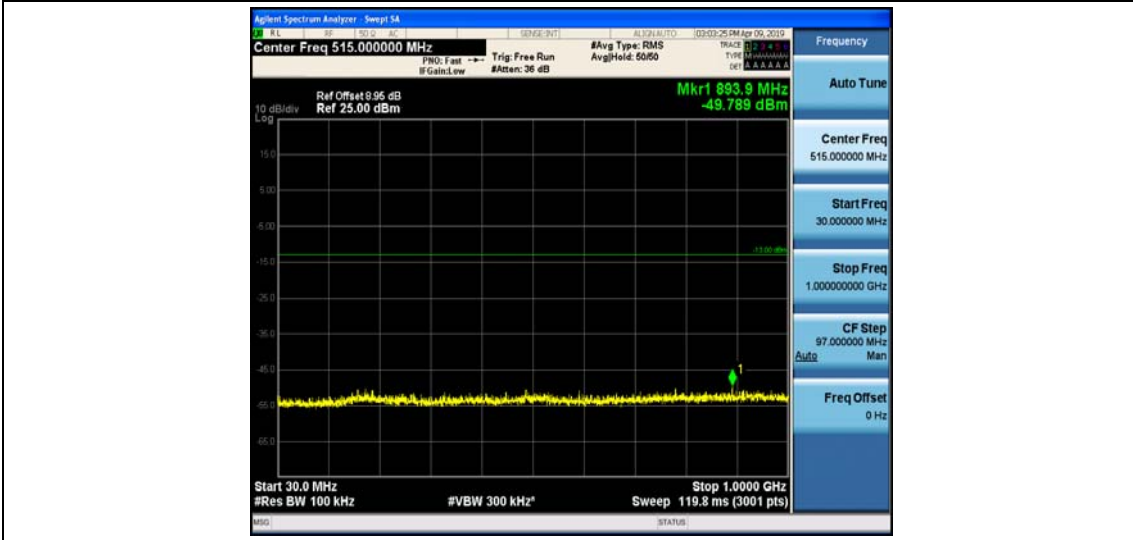
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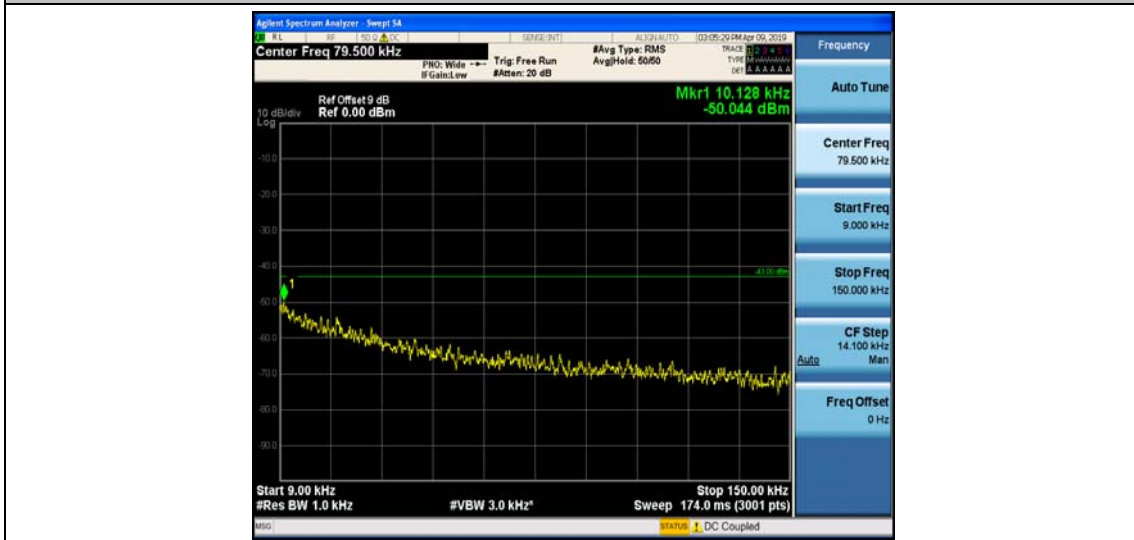
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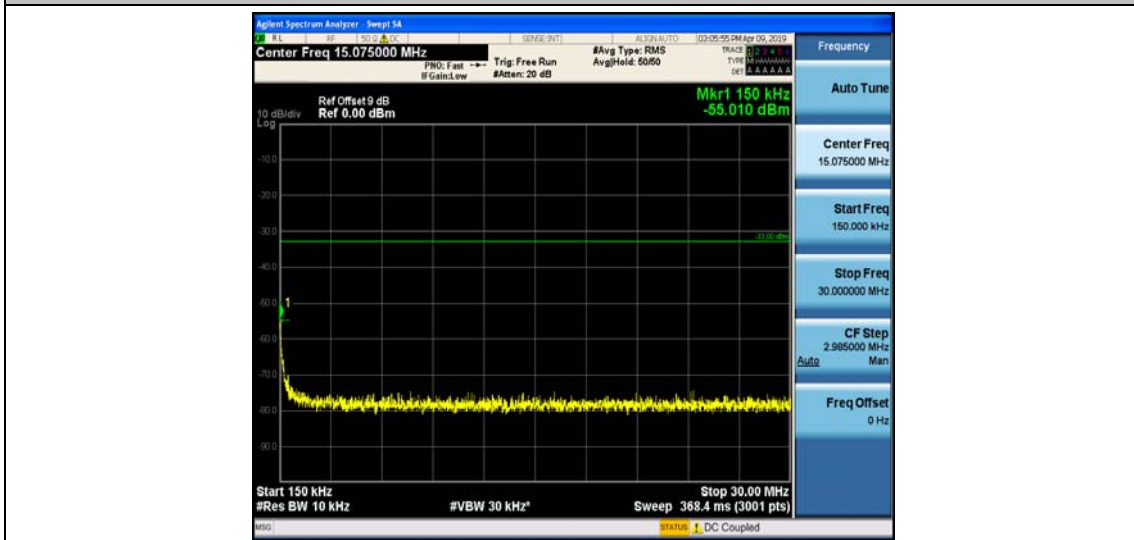
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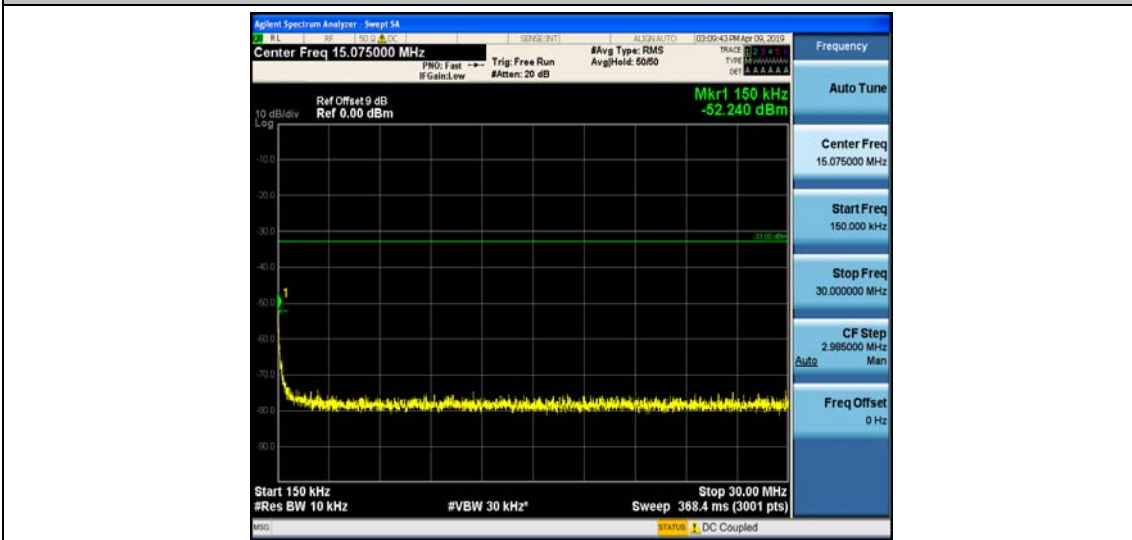
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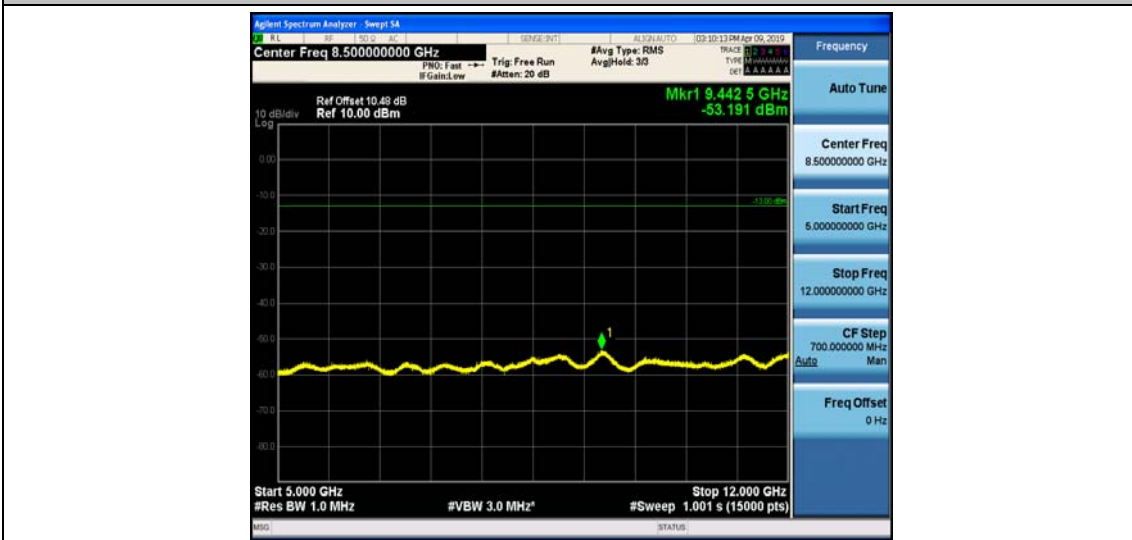
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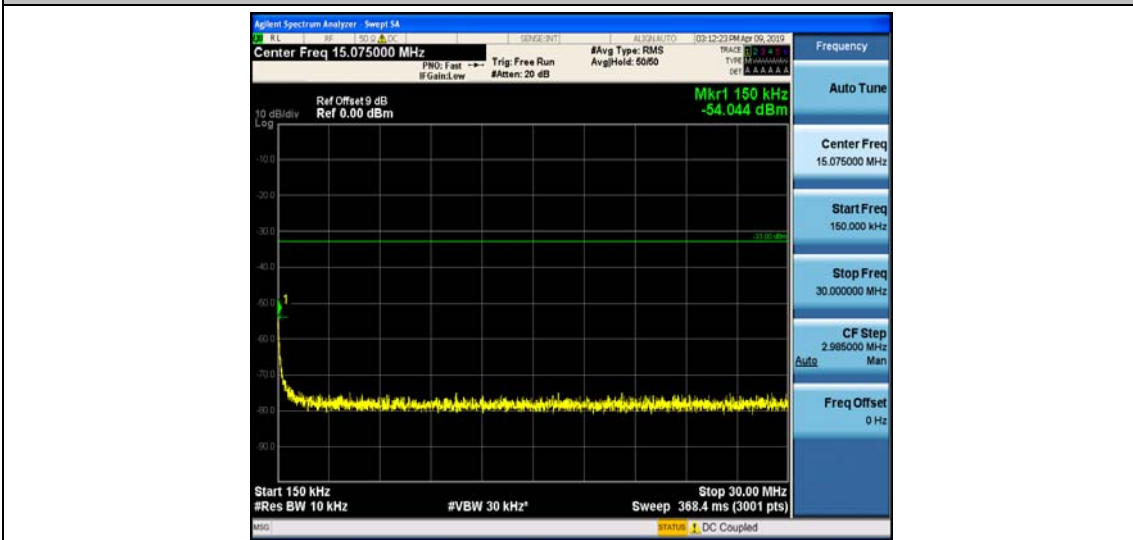
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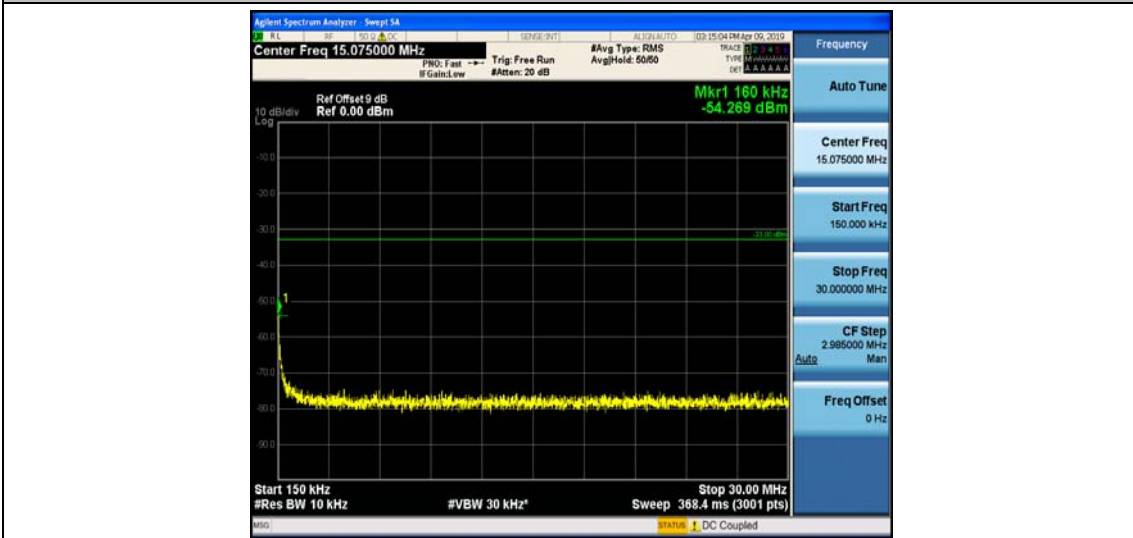
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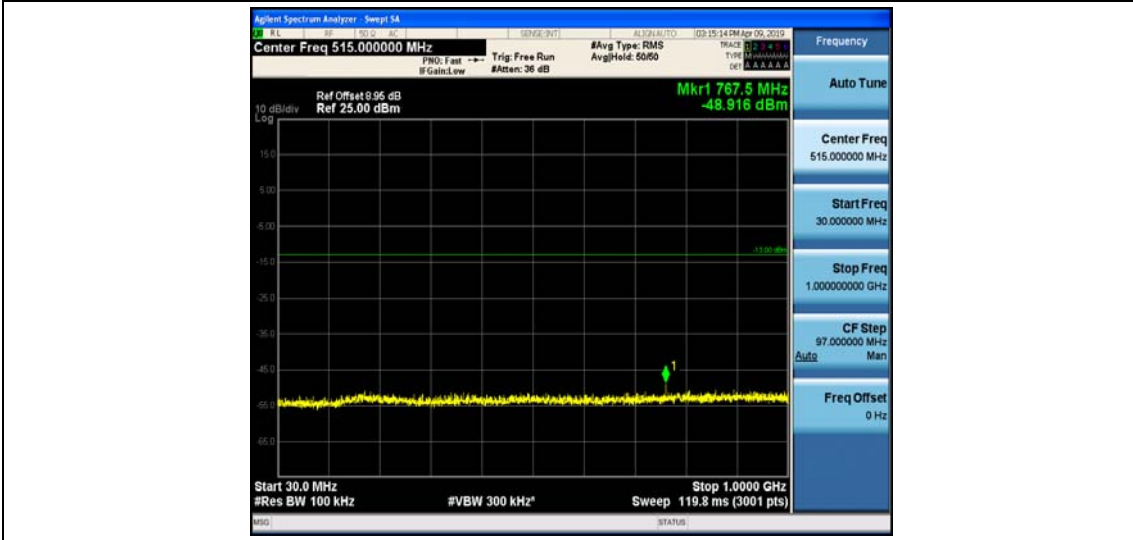
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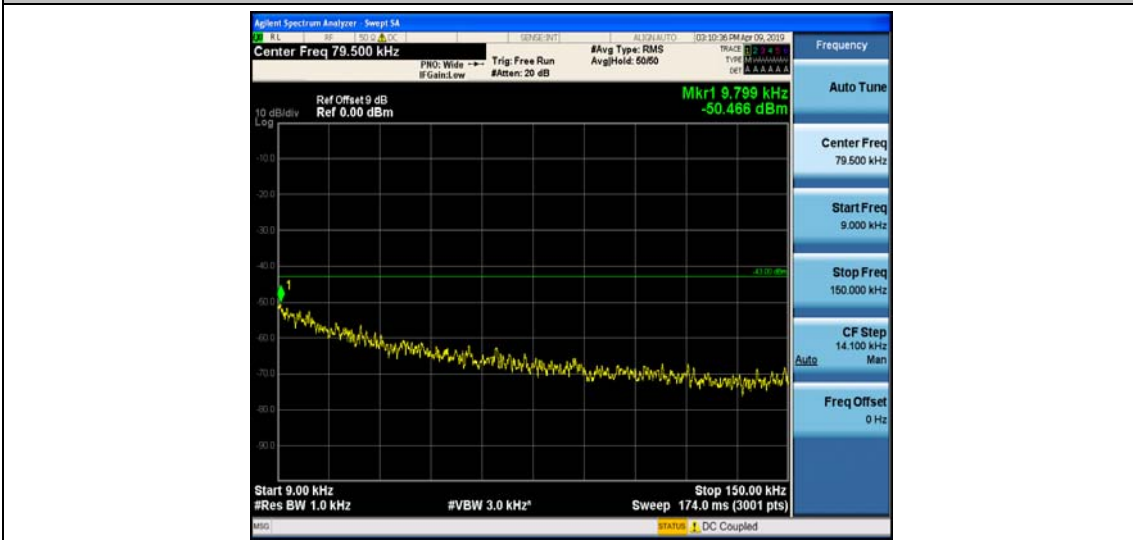
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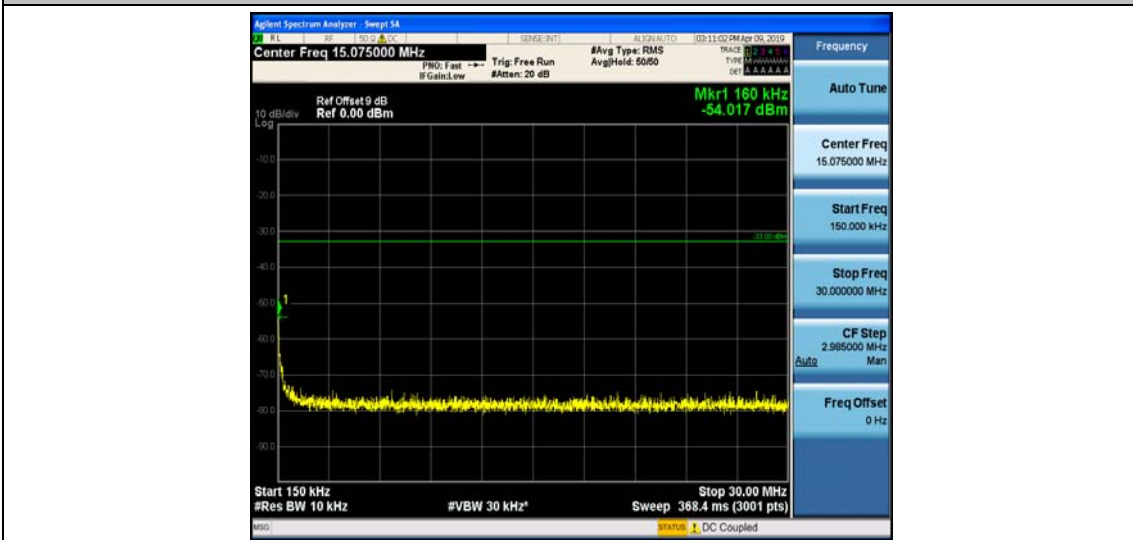
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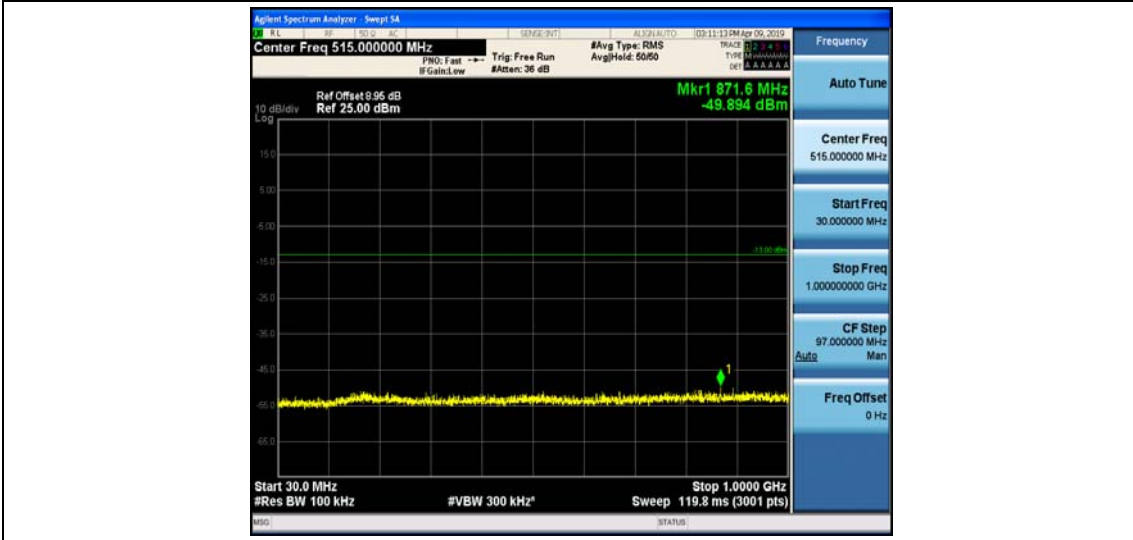
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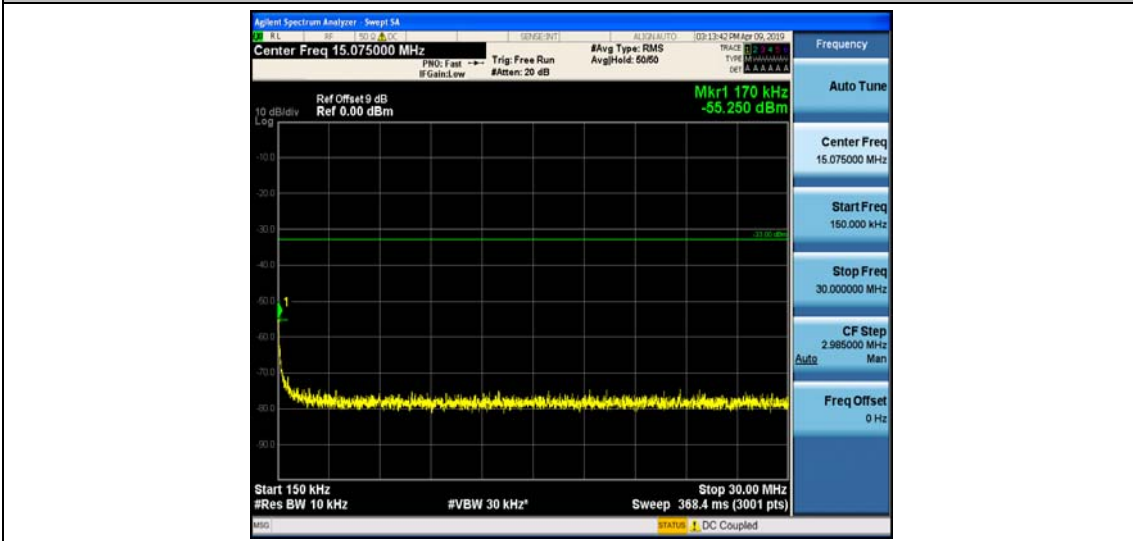
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Band4_15MHz_16QAM_20175_1RB#0



Band4_15MHz_16QAM_20175_1RB#0



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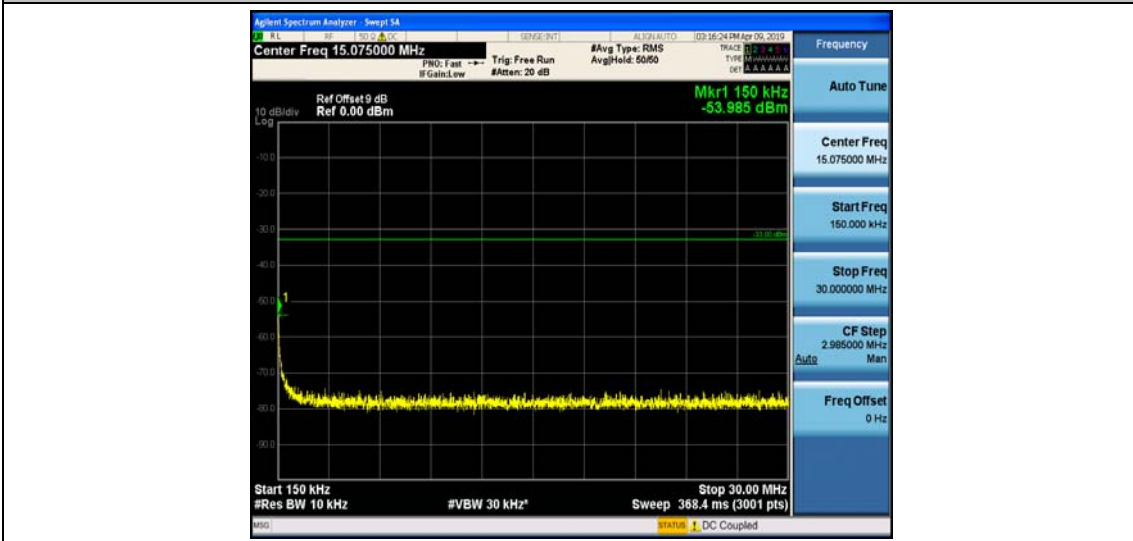
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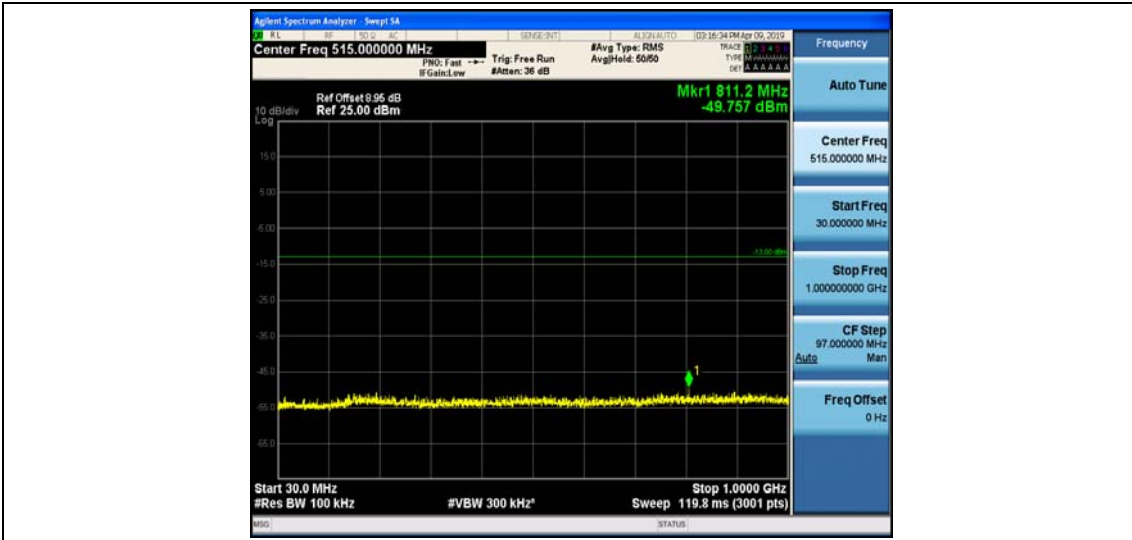
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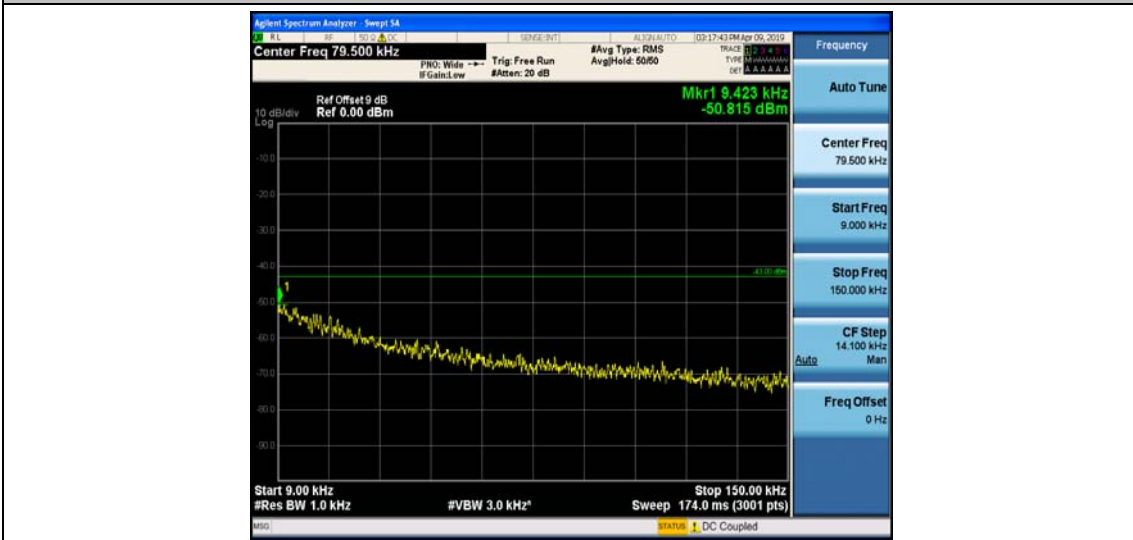
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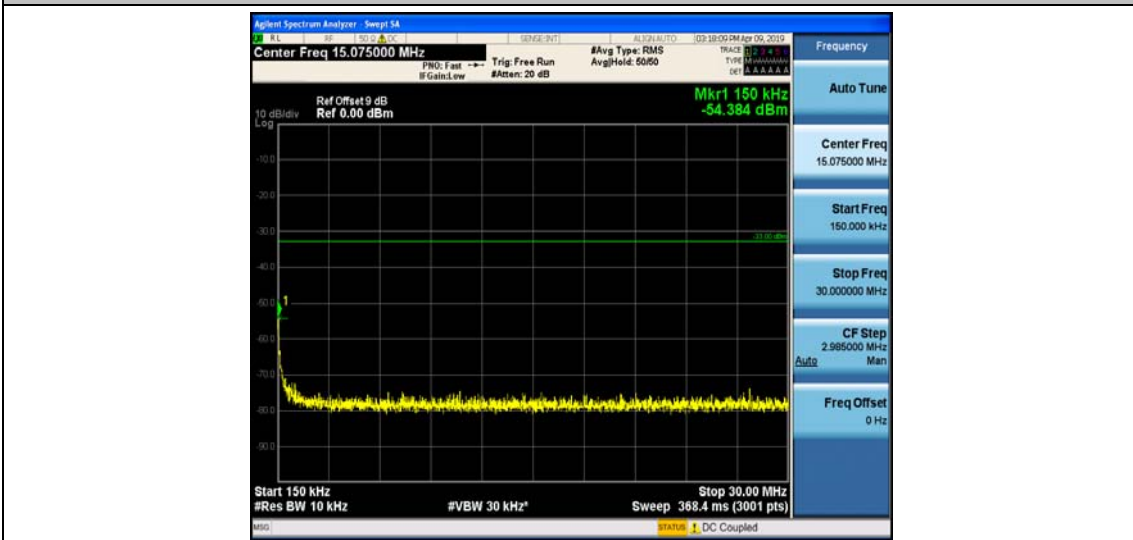
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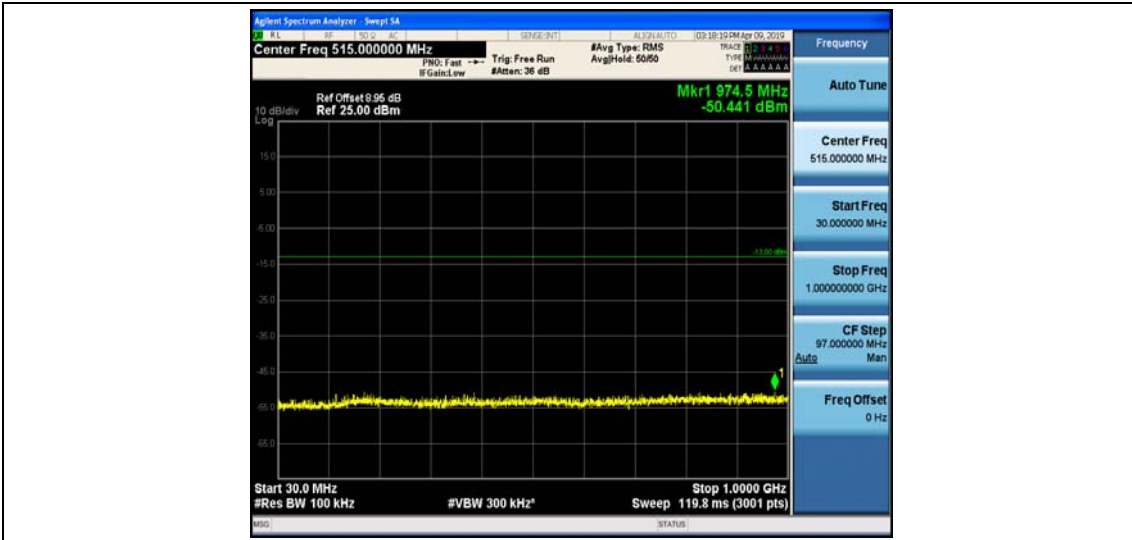
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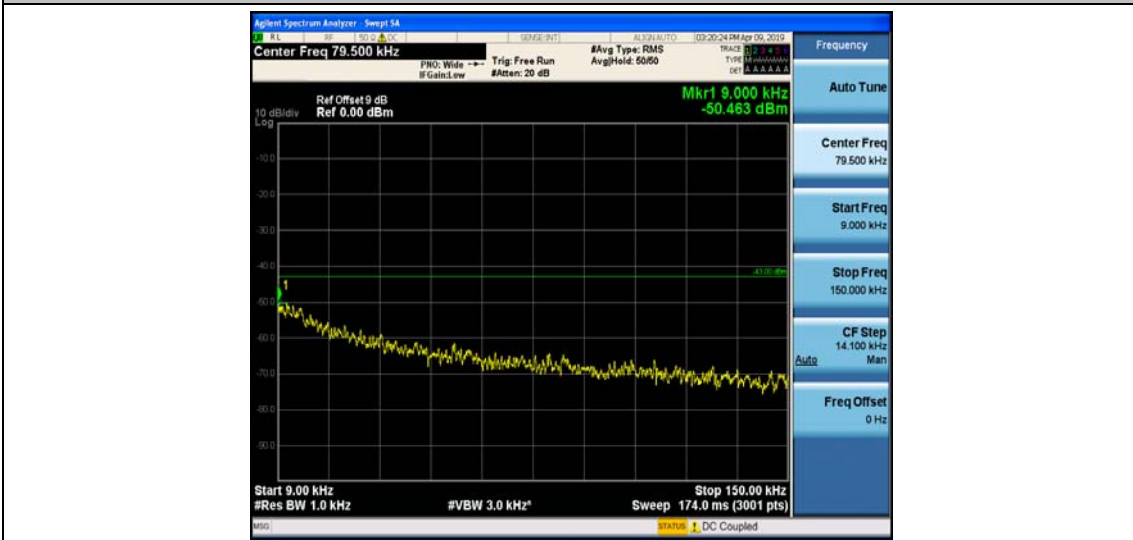
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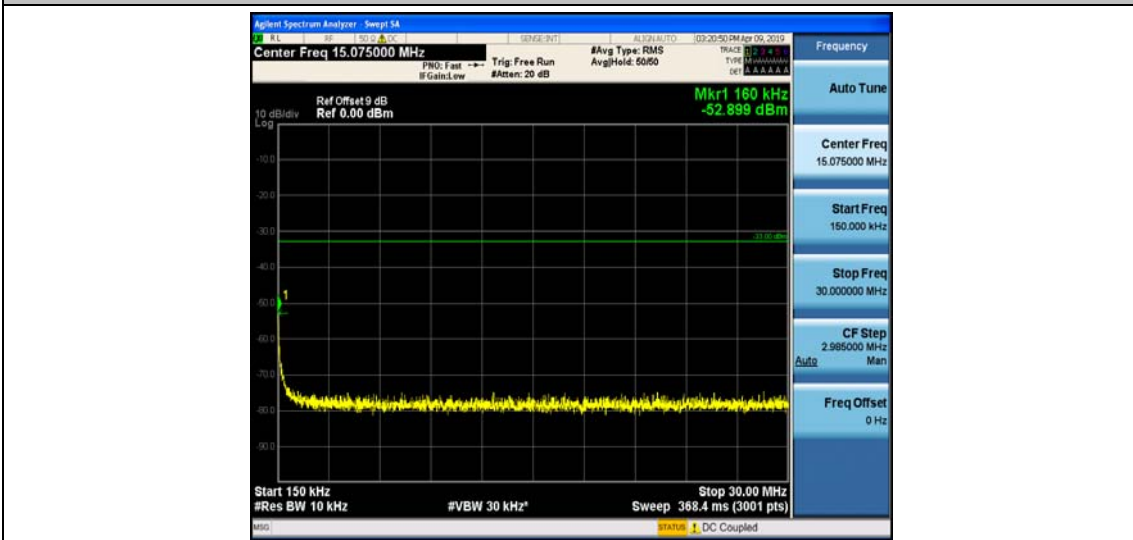
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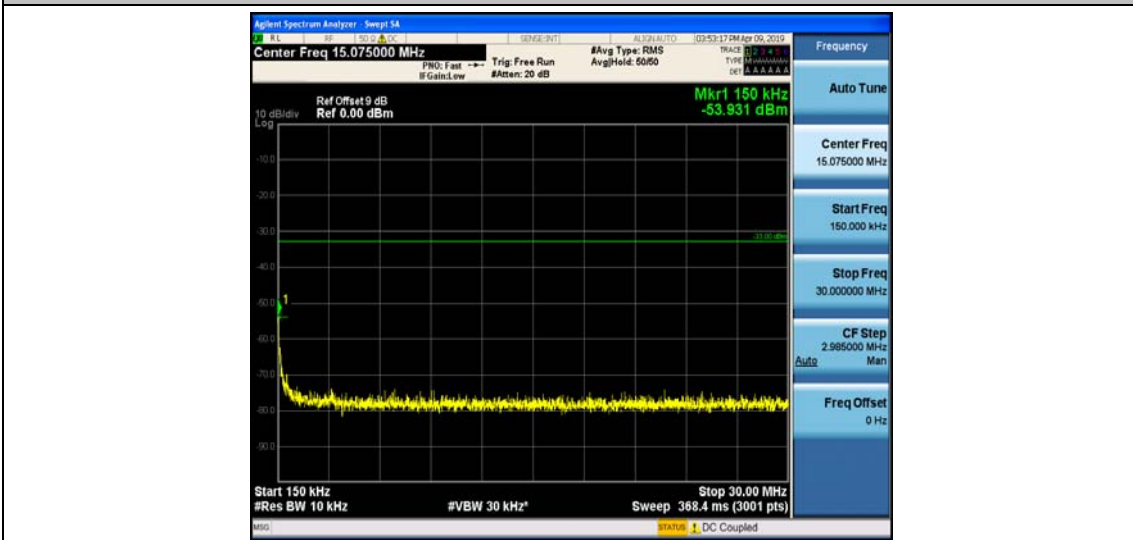
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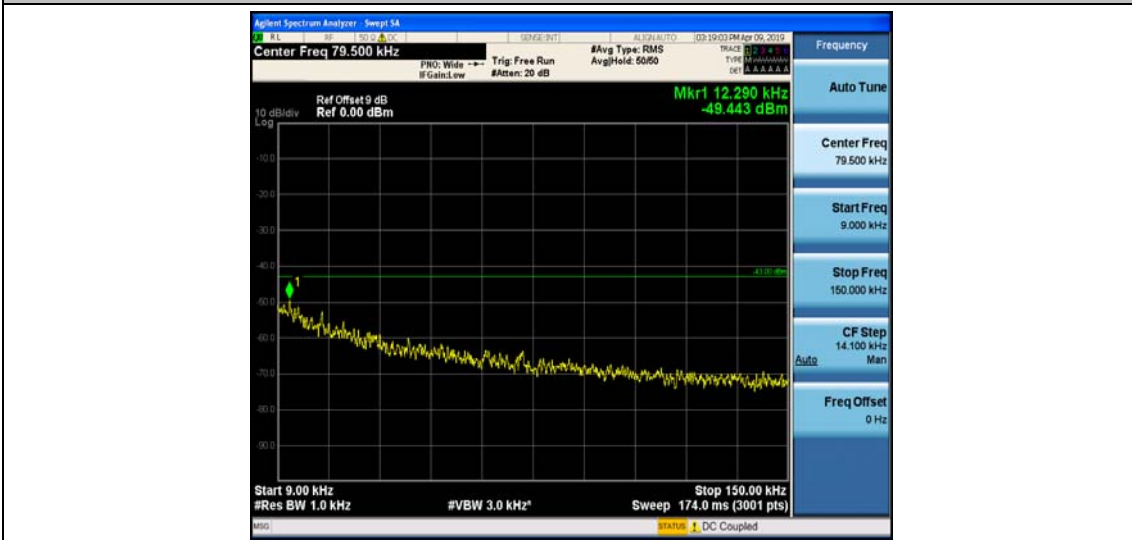
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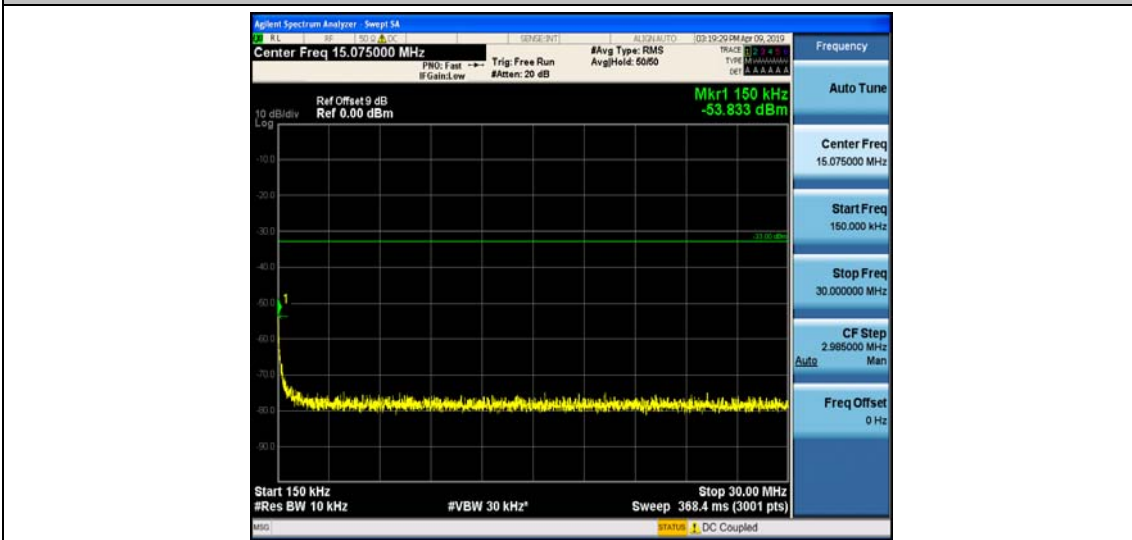
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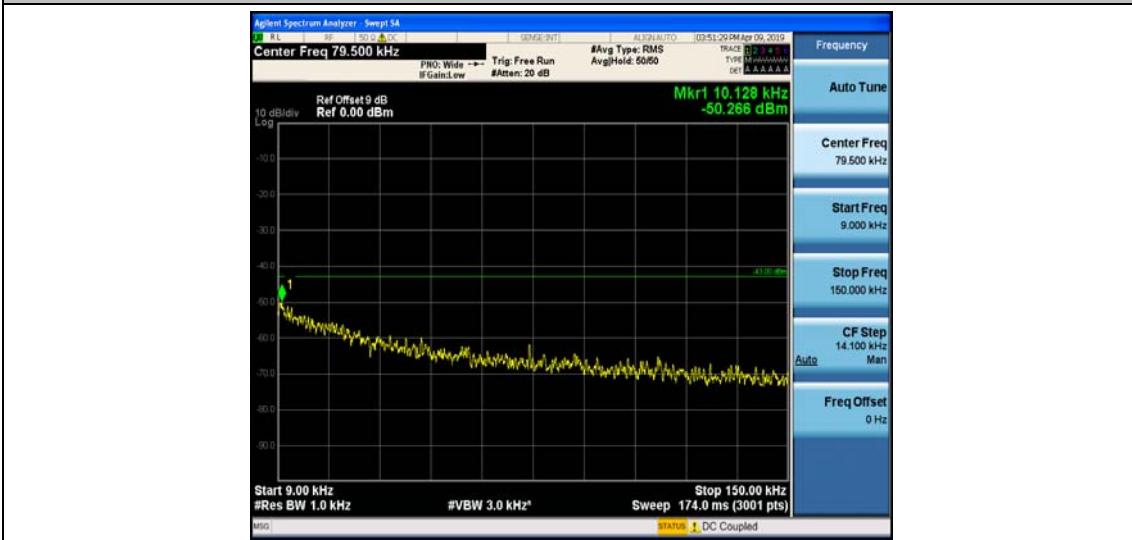
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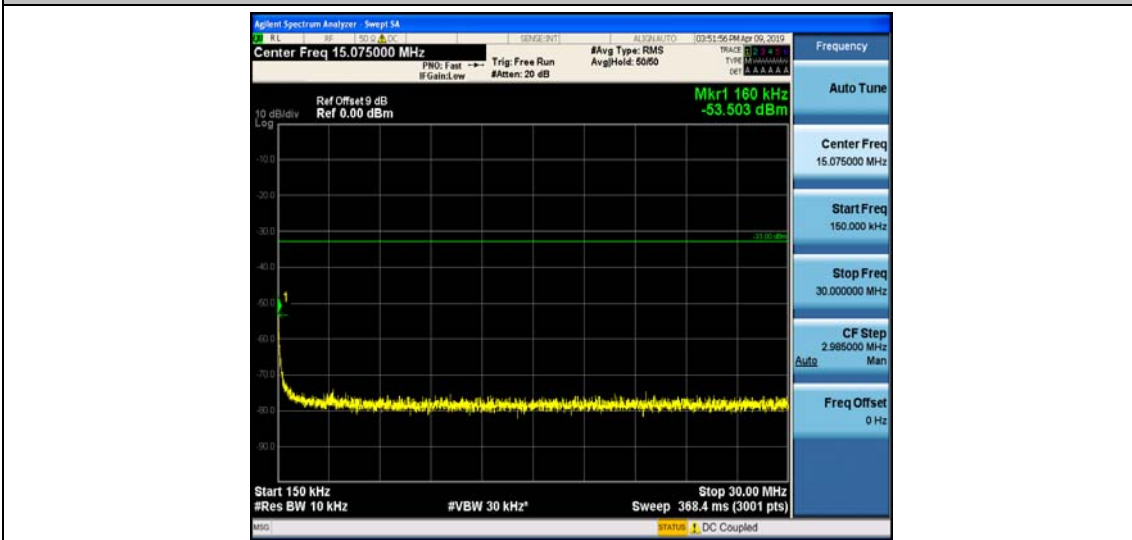
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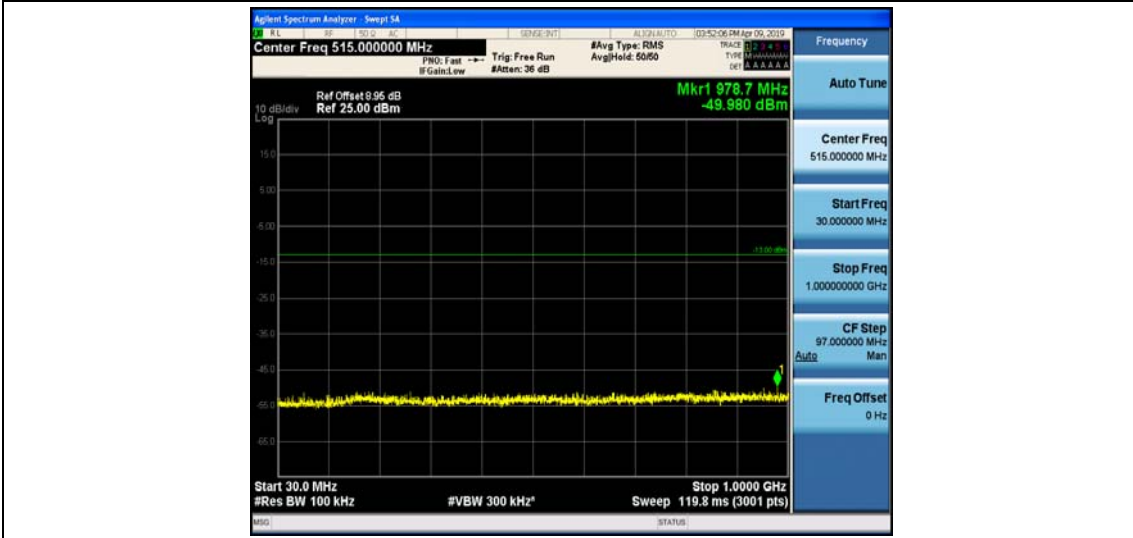
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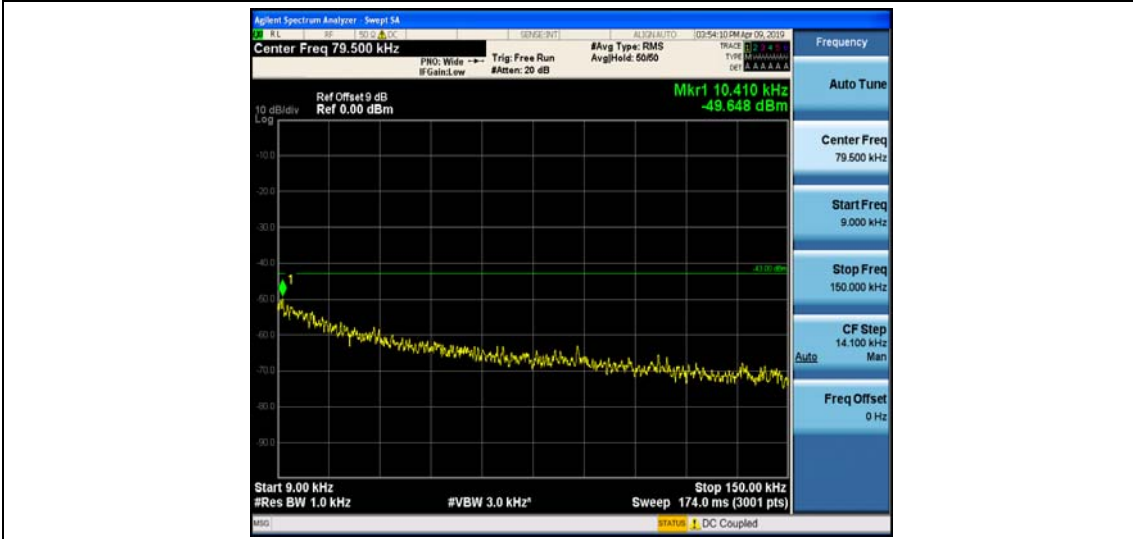
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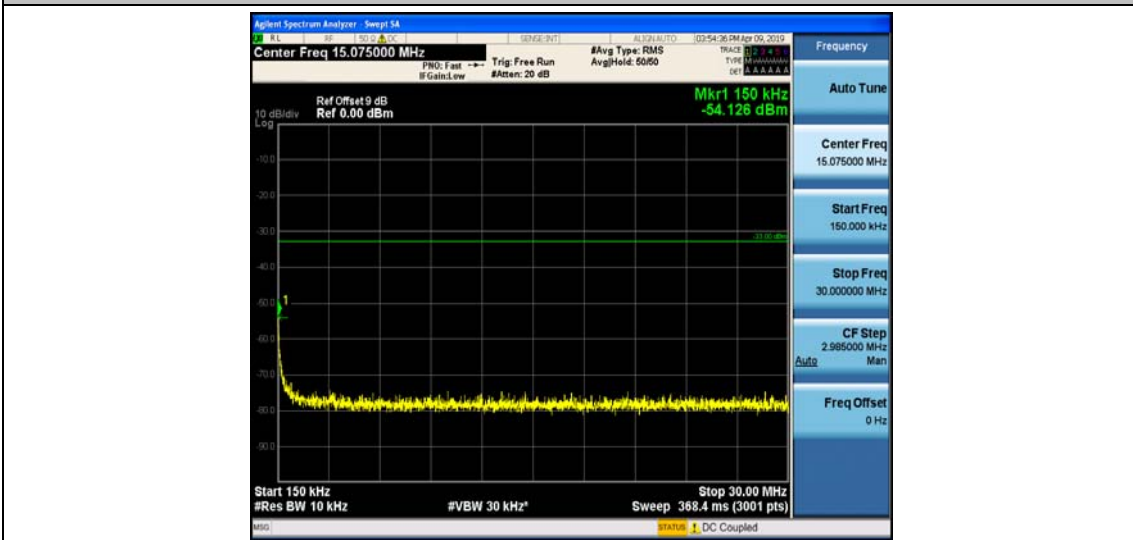
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Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



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	-0.65	-0.000380	± 2.5	PASS
		VN	TN	2.37	0.001385	± 2.5	PASS
		VH	TN	2	0.001169	± 2.5	PASS
	MCH	VL	TN	3.65	0.002107	± 2.5	PASS
		VN	TN	3.46	0.001997	± 2.5	PASS
		VH	TN	2.25	0.001299	± 2.5	PASS
	HCH	VL	TN	-1.73	-0.000986	± 2.5	PASS
		VN	TN	4.34	0.002474	± 2.5	PASS
		VH	TN	2.57	0.001465	± 2.5	PASS
16QAM	LCH	VL	TN	3.36	0.001964	± 2.5	PASS
		VN	TN	3.3	0.001929	± 2.5	PASS
		VH	TN	3.08	0.001800	± 2.5	PASS
	MCH	VL	TN	0.81	0.000468	± 2.5	PASS
		VN	TN	2.3	0.001328	± 2.5	PASS
		VH	TN	4.69	0.002707	± 2.5	PASS
	HCH	VL	TN	1.57	0.000895	± 2.5	PASS
		VN	TN	-1.93	-0.001100	± 2.5	PASS
		VH	TN	2.18	0.001243	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.15	0.002426	± 2.5	PASS
		VN	-20	0.82	0.000479	± 2.5	PASS
		VN	-10	1.84	0.001076	± 2.5	PASS
		VN	0	1.37	0.000801	± 2.5	PASS
		VN	10	4.55	0.002660	± 2.5	PASS
		VN	20	-1.34	-0.000783	± 2.5	PASS
		VN	30	-1.98	-0.001157	± 2.5	PASS
		VN	40	-0.13	-0.000076	± 2.5	PASS
	MCH	VN	-30	3.52	0.002032	± 2.5	PASS
		VN	-20	-1.33	-0.000768	± 2.5	PASS

		VN	-10	0.72	0.000416	± 2.5	PASS	
		VN	0	1.35	0.000779	± 2.5	PASS	
		VN	10	2.81	0.001622	± 2.5	PASS	
		VN	20	-1.57	-0.000906	± 2.5	PASS	
		VN	30	2.68	0.001547	± 2.5	PASS	
		VN	40	-1.35	-0.000779	± 2.5	PASS	
		VN	50	4.06	0.002343	± 2.5	PASS	
	HCH	VN	-30	-0.79	-0.000450	± 2.5	PASS	
		VN	-20	2.57	0.001465	± 2.5	PASS	
		VN	-10	1.41	0.000804	± 2.5	PASS	
		VN	0	-1.83	-0.001043	± 2.5	PASS	
		VN	10	2.55	0.001454	± 2.5	PASS	
		VN	20	3.48	0.001984	± 2.5	PASS	
		VN	30	2.97	0.001693	± 2.5	PASS	
	16QAM	LCH	VN	40	4.15	0.002366	± 2.5	PASS
			VN	50	-1.59	-0.000906	± 2.5	PASS
			VN	-30	2.59	0.001514	± 2.5	PASS
			VN	-20	1.3	0.000760	± 2.5	PASS
VN			-10	-1.02	-0.000596	± 2.5	PASS	
VN			0	4.48	0.002619	± 2.5	PASS	
VN			10	-1.36	-0.000795	± 2.5	PASS	
VN			20	-1.94	-0.001134	± 2.5	PASS	
VN			30	3.86	0.002256	± 2.5	PASS	
MCH		VN	40	0.63	0.000368	± 2.5	PASS	
		VN	50	4.92	0.002876	± 2.5	PASS	
		VN	-30	3.43	0.001955	± 2.5	PASS	
		VN	-20	-0.35	-0.000200	± 2.5	PASS	
		VN	-10	1.5	0.000855	± 2.5	PASS	
		VN	0	0.09	0.000051	± 2.5	PASS	
		VN	10	-1.71	-0.000975	± 2.5	PASS	
		VN	20	0.99	0.000564	± 2.5	PASS	
		VN	30	2.25	0.001283	± 2.5	PASS	
HCH	VN	40	4.17	0.002377	± 2.5	PASS		
	VN	50	0.57	0.000325	± 2.5	PASS		
	VN	-30	-0.92	-0.000524	± 2.5	PASS		
	VN	-20	4.41	0.002514	± 2.5	PASS		
	VN	-10	-1.08	-0.000616	± 2.5	PASS		
	VN	0	3.56	0.002029	± 2.5	PASS		
	VN	10	1.03	0.000587	± 2.5	PASS		
VN	20	0.29	0.000165	± 2.5	PASS			
VN	30	-0.32	-0.000182	± 2.5	PASS			

		VN	40	-0.77	-0.000439	± 2.5	PASS
		VN	50	3.84	0.002189	± 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	0.66	0.000386	± 2.5	PASS
		VN	TN	2.43	0.001420	± 2.5	PASS
		VH	TN	-0.08	-0.000047	± 2.5	PASS
	MCH	VL	TN	2.39	0.001380	± 2.5	PASS
		VN	TN	-0.34	-0.000196	± 2.5	PASS
		VH	TN	-1.02	-0.000589	± 2.5	PASS
	HCH	VL	TN	1.1	0.000627	± 2.5	PASS
		VN	TN	-0.38	-0.000217	± 2.5	PASS
		VH	TN	3.08	0.001756	± 2.5	PASS
16QAM	LCH	VL	TN	2.54	0.001484	± 2.5	PASS
		VN	TN	2.37	0.001385	± 2.5	PASS
		VH	TN	0.54	0.000316	± 2.5	PASS
	MCH	VL	TN	-1.23	-0.000710	± 2.5	PASS
		VN	TN	3.32	0.001916	± 2.5	PASS
		VH	TN	-1.66	-0.000958	± 2.5	PASS
	HCH	VL	TN	4.06	0.002315	± 2.5	PASS
		VN	TN	0.38	0.000217	± 2.5	PASS
		VH	TN	-1.93	-0.001101	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.28	-0.000748	± 2.5	PASS
		VN	-20	-1.41	-0.000824	± 2.5	PASS
		VN	-10	-1.36	-0.000795	± 2.5	PASS
		VN	0	0.96	0.000561	± 2.5	PASS
		VN	10	0.77	0.000450	± 2.5	PASS
		VN	20	-1.73	-0.001011	± 2.5	PASS
		VN	30	0.9	0.000526	± 2.5	PASS
		VN	40	4.6	0.002688	± 2.5	PASS
		VN	50	2.95	0.001724	± 2.5	PASS
	MCH	VN	-30	0.79	0.000456	± 2.5	PASS
		VN	-20	0.32	0.000185	± 2.5	PASS
		VN	-10	-0.36	-0.000208	± 2.5	PASS

		VN	0	1.3	0.000750	± 2.5	PASS		
		VN	10	1.38	0.000797	± 2.5	PASS		
		VN	20	2.61	0.001506	± 2.5	PASS		
		VN	30	-1.52	-0.000877	± 2.5	PASS		
		VN	40	-0.05	-0.000029	± 2.5	PASS		
		VN	50	-0.78	-0.000450	± 2.5	PASS		
	HCH	VN	-30	4.71	0.002686	± 2.5	PASS		
		VN	-20	-1.78	-0.001015	± 2.5	PASS		
		VN	-10	-1.97	-0.001123	± 2.5	PASS		
		VN	0	-0.31	-0.000177	± 2.5	PASS		
		VN	10	4.81	0.002743	± 2.5	PASS		
		VN	20	-0.1	-0.000057	± 2.5	PASS		
		VN	30	0.17	0.000097	± 2.5	PASS		
		VN	40	-0.28	-0.000160	± 2.5	PASS		
		VN	50	2.82	0.001608	± 2.5	PASS		
		QPSK	LCH	VN	-30	2.68	0.001547	± 2.5	PASS
				VN	-20	-1.12	-0.000646	± 2.5	PASS
				VN	-10	-0.25	-0.000144	± 2.5	PASS
VN	0			2.22	0.001281	± 2.5	PASS		
VN	10			-1.09	-0.000629	± 2.5	PASS		
VN	20			0.06	0.000035	± 2.5	PASS		
VN	30			-1.22	-0.000704	± 2.5	PASS		
VN	40			-1.7	-0.000981	± 2.5	PASS		
VN	50			3.14	0.001812	± 2.5	PASS		
MCH	VN		-30	3.76	0.002144	± 2.5	PASS		
	VN		-20	0.84	0.000479	± 2.5	PASS		
	VN		-10	-0.64	-0.000365	± 2.5	PASS		
	VN		0	-0.07	-0.000040	± 2.5	PASS		
	VN		10	0.37	0.000211	± 2.5	PASS		
	VN		20	4.75	0.002709	± 2.5	PASS		
	VN		30	4.44	0.002532	± 2.5	PASS		
	VN		40	3.37	0.001922	± 2.5	PASS		
	VN		50	4.43	0.002526	± 2.5	PASS		
HCH	VN		-30	1.98	0.001129	± 2.5	PASS		
	VN		-20	2.4	0.001369	± 2.5	PASS		
	VN		-10	1.18	0.000673	± 2.5	PASS		
	VN		0	3.73	0.002127	± 2.5	PASS		
	VN		10	-0.04	-0.000023	± 2.5	PASS		
	VN		20	-0.87	-0.000496	± 2.5	PASS		
	VN		30	4.38	0.002498	± 2.5	PASS		
	VN		40	3.24	0.001848	± 2.5	PASS		

		VN	50	3.52	0.002007	± 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	1	0.000584	± 2.5	PASS
		VN	TN	2.28	0.001331	± 2.5	PASS
		VH	TN	-0.6	-0.000350	± 2.5	PASS
	MCH	VL	TN	4.26	0.002459	± 2.5	PASS
		VN	TN	0	0.000000	± 2.5	PASS
		VH	TN	0.39	0.000225	± 2.5	PASS
	HCH	VL	TN	-1.1	-0.000628	± 2.5	PASS
		VN	TN	-0.89	-0.000508	± 2.5	PASS
		VH	TN	3.27	0.001866	± 2.5	PASS
16QAM	LCH	VL	TN	2.4	0.001401	± 2.5	PASS
		VN	TN	0.6	0.000350	± 2.5	PASS
		VH	TN	-1.85	-0.001080	± 2.5	PASS
	MCH	VL	TN	0.35	0.000202	± 2.5	PASS
		VN	TN	-1.34	-0.000773	± 2.5	PASS
		VH	TN	0.27	0.000156	± 2.5	PASS
	HCH	VL	TN	2.32	0.001324	± 2.5	PASS
		VN	TN	1.97	0.001124	± 2.5	PASS
		VH	TN	-0.32	-0.000183	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.68	0.002149	± 2.5	PASS
		VN	-20	1.07	0.000625	± 2.5	PASS
		VN	-10	-0.83	-0.000485	± 2.5	PASS
		VN	0	4.31	0.002517	± 2.5	PASS
		VN	10	0.3	0.000175	± 2.5	PASS
		VN	20	-0.11	-0.000064	± 2.5	PASS
		VN	30	3.35	0.001956	± 2.5	PASS
		VN	40	-0.17	-0.000099	± 2.5	PASS
		VN	50	-0.93	-0.000543	± 2.5	PASS
	MCH	VN	-30	-0.68	-0.000392	± 2.5	PASS
		VN	-20	-0.82	-0.000473	± 2.5	PASS
		VN	-10	2.75	0.001587	± 2.5	PASS
		VN	0	2.09	0.001206	± 2.5	PASS

		VN	10	2.07	0.001195	± 2.5	PASS
		VN	20	3.75	0.002165	± 2.5	PASS
		VN	30	2.47	0.001426	± 2.5	PASS
		VN	40	1.68	0.000970	± 2.5	PASS
		VN	50	0.93	0.000537	± 2.5	PASS
	HCH	VN	-30	-0.21	-0.000120	± 2.5	PASS
		VN	-20	-0.19	-0.000100	± 2.5	PASS
		VN	-10	-1.33	-0.000697	± 2.5	PASS
		VN	0	1.83	0.000959	± 2.5	PASS
		VN	10	2.77	0.001452	± 2.5	PASS
		VN	20	4.35	0.002280	± 2.5	PASS
		VN	30	3.41	0.001788	± 2.5	PASS
		VN	40	4.48	0.002349	± 2.5	PASS
		VN	50	1.26	0.000661	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.3	-0.000750
VN	-20			-0.29	-0.000167	± 2.5	PASS
VN	-10			4.88	0.002817	± 2.5	PASS
VN	0			0.73	0.000421	± 2.5	PASS
VN	10			4.01	0.002315	± 2.5	PASS
VN	20			4.7	0.002713	± 2.5	PASS
VN	30			-1.38	-0.000797	± 2.5	PASS
VN	40			-0.69	-0.000398	± 2.5	PASS
VN	50			-1.5	-0.000866	± 2.5	PASS
MCH	VN		-30	2.91	0.001660	± 2.5	PASS
	VN		-20	4.09	0.002334	± 2.5	PASS
	VN		-10	2.11	0.001204	± 2.5	PASS
	VN		0	4.52	0.002579	± 2.5	PASS
	VN		10	-1.4	-0.000799	± 2.5	PASS
	VN		20	3.05	0.001740	± 2.5	PASS
	VN		30	1.94	0.001107	± 2.5	PASS
	VN		40	1.49	0.000850	± 2.5	PASS
	VN		50	4.09	0.002334	± 2.5	PASS
HCH	VN		-30	0.66	0.000346	± 2.5	PASS
	VN		-20	1.55	0.000813	± 2.5	PASS
	VN		-10	-1.52	-0.000797	± 2.5	PASS
	VN		0	1.13	0.000592	± 2.5	PASS
	VN		10	0.24	0.000126	± 2.5	PASS
	VN		20	-1.77	-0.000928	± 2.5	PASS
	VN		30	0.97	0.000509	± 2.5	PASS
	VN		40	4.65	0.002438	± 2.5	PASS
	VN		50	1.03	0.000540	± 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	-0.2	-0.000117	± 2.5	PASS
		VN	TN	-1.63	-0.000950	± 2.5	PASS
		VH	TN	1.48	0.000863	± 2.5	PASS
	MCH	VL	TN	2.59	0.001495	± 2.5	PASS
		VN	TN	0.99	0.000571	± 2.5	PASS
		VH	TN	-1.4	-0.000808	± 2.5	PASS
	HCH	VL	TN	0.13	0.000074	± 2.5	PASS
		VN	TN	3.21	0.001834	± 2.5	PASS
		VH	TN	-1.25	-0.000714	± 2.5	PASS
16QAM	LCH	VL	TN	2.77	0.001615	± 2.5	PASS
		VN	TN	4.47	0.002606	± 2.5	PASS
		VH	TN	4.92	0.002869	± 2.5	PASS
	MCH	VL	TN	0.21	0.000121	± 2.5	PASS
		VN	TN	1.74	0.001004	± 2.5	PASS
		VH	TN	4.07	0.002349	± 2.5	PASS
	HCH	VL	TN	2.95	0.001686	± 2.5	PASS
		VN	TN	2.5	0.001429	± 2.5	PASS
		VH	TN	4.03	0.002303	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.13	-0.000659	± 2.5	PASS
		VN	-20	3.95	0.002303	± 2.5	PASS
		VN	-10	1.74	0.001015	± 2.5	PASS
		VN	0	1.17	0.000682	± 2.5	PASS
		VN	10	4.9	0.002857	± 2.5	PASS
		VN	20	1.46	0.000851	± 2.5	PASS
		VN	30	0.91	0.000531	± 2.5	PASS
		VN	40	-0.73	-0.000426	± 2.5	PASS
		VN	50	2.81	0.001638	± 2.5	PASS
	MCH	VN	-30	1.54	0.000889	± 2.5	PASS
		VN	-20	-1.97	-0.001137	± 2.5	PASS
		VN	-10	2.34	0.001351	± 2.5	PASS
		VN	0	-0.74	-0.000427	± 2.5	PASS
		VN	10	1.97	0.001137	± 2.5	PASS
		VN	20	0.65	0.000375	± 2.5	PASS

		VN	30	-0.03	-0.000017	± 2.5	PASS
		VN	40	1.29	0.000745	± 2.5	PASS
		VN	50	0.24	0.000139	± 2.5	PASS
	HCH	VN	-30	-1.68	-0.000960	± 2.5	PASS
		VN	-20	4.7	0.002686	± 2.5	PASS
		VN	-10	0.64	0.000366	± 2.5	PASS
		VN	0	0.95	0.000543	± 2.5	PASS
		VN	10	-1.18	-0.000674	± 2.5	PASS
		VN	20	3.05	0.001743	± 2.5	PASS
		VN	30	-0.81	-0.000463	± 2.5	PASS
		VN	40	1.34	0.000766	± 2.5	PASS
		VN	50	4.9	0.002800	± 2.5	PASS
QPSK	LCH	VN	-30	1.98	0.001143	± 2.5	PASS
		VN	-20	-1.08	-0.000623	± 2.5	PASS
		VN	-10	1.11	0.000641	± 2.5	PASS
		VN	0	1.52	0.000877	± 2.5	PASS
		VN	10	2.04	0.001177	± 2.5	PASS
		VN	20	0.28	0.000162	± 2.5	PASS
		VN	30	2.66	0.001535	± 2.5	PASS
		VN	40	4.55	0.002626	± 2.5	PASS
		VN	50	-1.01	-0.000583	± 2.5	PASS
	MCH	VN	-30	3.27	0.001869	± 2.5	PASS
		VN	-20	2.42	0.001383	± 2.5	PASS
		VN	-10	-1.28	-0.000731	± 2.5	PASS
		VN	0	2.5	0.001429	± 2.5	PASS
		VN	10	-0.17	-0.000097	± 2.5	PASS
		VN	20	-0.31	-0.000177	± 2.5	PASS
		VN	30	-1.29	-0.000737	± 2.5	PASS
		VN	40	-1.97	-0.001126	± 2.5	PASS
		VN	50	-0.36	-0.000206	± 2.5	PASS
	HCH	VN	-30	0.25	0.000143	± 2.5	PASS
		VN	-20	4.7	0.002686	± 2.5	PASS
		VN	-10	3.76	0.002149	± 2.5	PASS
		VN	0	1.95	0.001114	± 2.5	PASS
		VN	10	2.59	0.001480	± 2.5	PASS
		VN	20	-1.55	-0.000886	± 2.5	PASS
VN		30	4.64	0.002651	± 2.5	PASS	
VN		40	-1.98	-0.001131	± 2.5	PASS	
VN		50	0.74	0.000423	± 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	3.15	0.001834	± 2.5	PASS
		VN	TN	2.91	0.001694	± 2.5	PASS
		VH	TN	-1.01	-0.000588	± 2.5	PASS
	MCH	VL	TN	4.7	0.002713	± 2.5	PASS
		VN	TN	1.81	0.001045	± 2.5	PASS
		VH	TN	4.75	0.002742	± 2.5	PASS
	HCH	VL	TN	3.7	0.002117	± 2.5	PASS
		VN	TN	3.05	0.001745	± 2.5	PASS
		VH	TN	-0.56	-0.000320	± 2.5	PASS
16QAM	LCH	VL	TN	-1.85	-0.001077	± 2.5	PASS
		VN	TN	4.57	0.002661	± 2.5	PASS
		VH	TN	-1.29	-0.000751	± 2.5	PASS
	MCH	VL	TN	4.86	0.002805	± 2.5	PASS
		VN	TN	3.96	0.002286	± 2.5	PASS
		VH	TN	2.9	0.001674	± 2.5	PASS
	HCH	VL	TN	-0.2	-0.000114	± 2.5	PASS
		VN	TN	1.71	0.000979	± 2.5	PASS
		VH	TN	1.48	0.000847	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.8	0.001048	± 2.5	PASS
		VN	-20	-0.24	-0.000140	± 2.5	PASS
		VN	-10	4.38	0.002550	± 2.5	PASS
		VN	0	1.34	0.000780	± 2.5	PASS
		VN	10	-0.95	-0.000553	± 2.5	PASS
		VN	20	4.29	0.002498	± 2.5	PASS
		VN	30	-0.91	-0.000530	± 2.5	PASS
		VN	40	2.28	0.001328	± 2.5	PASS
		VN	50	1.06	0.000617	± 2.5	PASS
	MCH	VN	-30	0.62	0.000358	± 2.5	PASS
		VN	-20	3.91	0.002257	± 2.5	PASS
		VN	-10	4.65	0.002684	± 2.5	PASS
		VN	0	-0.78	-0.000450	± 2.5	PASS
		VN	10	4.25	0.002453	± 2.5	PASS
		VN	20	2.58	0.001489	± 2.5	PASS

		VN	30	2.58	0.001489	± 2.5	PASS
		VN	40	4.78	0.002759	± 2.5	PASS
		VN	50	3.62	0.002089	± 2.5	PASS
	HCH	VN	-30	1.53	0.000876	± 2.5	PASS
		VN	-20	3.88	0.002220	± 2.5	PASS
		VN	-10	2.86	0.001637	± 2.5	PASS
		VN	0	-0.35	-0.000200	± 2.5	PASS
		VN	10	-1.02	-0.000584	± 2.5	PASS
		VN	20	1.12	0.000641	± 2.5	PASS
		VN	30	-0.3	-0.000172	± 2.5	PASS
		VN	40	4.88	0.002793	± 2.5	PASS
		VN	50	3.64	0.002083	± 2.5	PASS
QPSK	LCH	VN	-30	-0.04	-0.000023	± 2.5	PASS
		VN	-20	0.04	0.000023	± 2.5	PASS
		VN	-10	0.68	0.000392	± 2.5	PASS
		VN	0	-0.23	-0.000133	± 2.5	PASS
		VN	10	0.83	0.000479	± 2.5	PASS
		VN	20	4.15	0.002395	± 2.5	PASS
		VN	30	0.19	0.000110	± 2.5	PASS
		VN	40	-0.79	-0.000456	± 2.5	PASS
		VN	50	-1.44	-0.000831	± 2.5	PASS
	MCH	VN	-30	3.95	0.002260	± 2.5	PASS
		VN	-20	1.35	0.000773	± 2.5	PASS
		VN	-10	-0.77	-0.000441	± 2.5	PASS
		VN	0	4.51	0.002581	± 2.5	PASS
		VN	10	-1.85	-0.001059	± 2.5	PASS
		VN	20	2.2	0.001259	± 2.5	PASS
		VN	30	2.57	0.001471	± 2.5	PASS
		VN	40	-1.84	-0.001053	± 2.5	PASS
		VN	50	4.67	0.002672	± 2.5	PASS
	HCH	VN	-30	3.51	0.002009	± 2.5	PASS
		VN	-20	4.83	0.002764	± 2.5	PASS
		VN	-10	-0.7	-0.000401	± 2.5	PASS
		VN	0	2.23	0.001276	± 2.5	PASS
		VN	10	-1.31	-0.000750	± 2.5	PASS
		VN	20	2.59	0.001482	± 2.5	PASS
VN		30	2.13	0.001219	± 2.5	PASS	
VN		40	4.02	0.002300	± 2.5	PASS	
VN	50	4.83	0.002764	± 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	2.91	0.001692	± 2.5	PASS
		VN	TN	0.11	0.000064	± 2.5	PASS
		VH	TN	3.26	0.001895	± 2.5	PASS
	MCH	VL	TN	3.79	0.002188	± 2.5	PASS
		VN	TN	2.77	0.001599	± 2.5	PASS
		VH	TN	0.4	0.000231	± 2.5	PASS
	HCH	VL	TN	4.08	0.002338	± 2.5	PASS
		VN	TN	4.6	0.002636	± 2.5	PASS
		VH	TN	0.65	0.000372	± 2.5	PASS
16QAM	LCH	VL	TN	1.55	0.000901	± 2.5	PASS
		VN	TN	4.8	0.002791	± 2.5	PASS
		VH	TN	3.61	0.002099	± 2.5	PASS
	MCH	VL	TN	1.56	0.000900	± 2.5	PASS
		VN	TN	4.52	0.002609	± 2.5	PASS
		VH	TN	4.33	0.002499	± 2.5	PASS
	HCH	VL	TN	-0.03	-0.000017	± 2.5	PASS
		VN	TN	-1.78	-0.001020	± 2.5	PASS
		VH	TN	-0.11	-0.000063	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4	0.002326	± 2.5	PASS
		VN	-20	1.97	0.001145	± 2.5	PASS
		VN	-10	3.22	0.001872	± 2.5	PASS
		VN	0	4.76	0.002767	± 2.5	PASS
		VN	10	1.04	0.000605	± 2.5	PASS
		VN	20	-1.98	-0.001151	± 2.5	PASS
		VN	30	2.93	0.001703	± 2.5	PASS
		VN	40	-1.5	-0.000872	± 2.5	PASS
		VN	50	4.61	0.002680	± 2.5	PASS
	MCH	VN	-30	0.95	0.000548	± 2.5	PASS
		VN	-20	4.67	0.002696	± 2.5	PASS
		VN	-10	-1.97	-0.001137	± 2.5	PASS
		VN	0	4.42	0.002551	± 2.5	PASS
		VN	10	3.4	0.001962	± 2.5	PASS
		VN	20	0.91	0.000525	± 2.5	PASS

		VN	30	0.74	0.000427	± 2.5	PASS
		VN	40	4.18	0.002413	± 2.5	PASS
		VN	50	3.43	0.001980	± 2.5	PASS
	HCH	VN	-30	3.89	0.002229	± 2.5	PASS
		VN	-20	1.19	0.000682	± 2.5	PASS
		VN	-10	1.54	0.000883	± 2.5	PASS
		VN	0	1.04	0.000596	± 2.5	PASS
		VN	10	2.55	0.001461	± 2.5	PASS
		VN	20	1.25	0.000716	± 2.5	PASS
		VN	30	1.48	0.000848	± 2.5	PASS
		VN	40	3.08	0.001765	± 2.5	PASS
		VN	50	-1.63	-0.000934	± 2.5	PASS
QPSK	LCH	VN	-30	4.77	0.002753	± 2.5	PASS
		VN	-20	3.68	0.002124	± 2.5	PASS
		VN	-10	-0.51	-0.000294	± 2.5	PASS
		VN	0	2.5	0.001443	± 2.5	PASS
		VN	10	-0.69	-0.000398	± 2.5	PASS
		VN	20	4.68	0.002701	± 2.5	PASS
		VN	30	0.11	0.000063	± 2.5	PASS
		VN	40	2.4	0.001385	± 2.5	PASS
		VN	50	3.28	0.001893	± 2.5	PASS
	MCH	VN	-30	-1.95	-0.001117	± 2.5	PASS
		VN	-20	-1.74	-0.000997	± 2.5	PASS
		VN	-10	1.91	0.001095	± 2.5	PASS
		VN	0	0.76	0.000436	± 2.5	PASS
		VN	10	4.82	0.002762	± 2.5	PASS
		VN	20	-1.65	-0.000946	± 2.5	PASS
		VN	30	2.35	0.001347	± 2.5	PASS
		VN	40	3.01	0.001725	± 2.5	PASS
		VN	50	-1.35	-0.000774	± 2.5	PASS
	HCH	VN	-30	0.93	0.000533	± 2.5	PASS
		VN	-20	-1.53	-0.000877	± 2.5	PASS
		VN	-10	2.3	0.001318	± 2.5	PASS
		VN	0	-0.03	-0.000017	± 2.5	PASS
		VN	10	4.08	0.002338	± 2.5	PASS
		VN	20	0.74	0.000424	± 2.5	PASS
VN		30	-1	-0.000573	± 2.5	PASS	
VN		40	2.5	0.001433	± 2.5	PASS	
VN		50	-1.39	-0.000797	± 2.5	PASS	