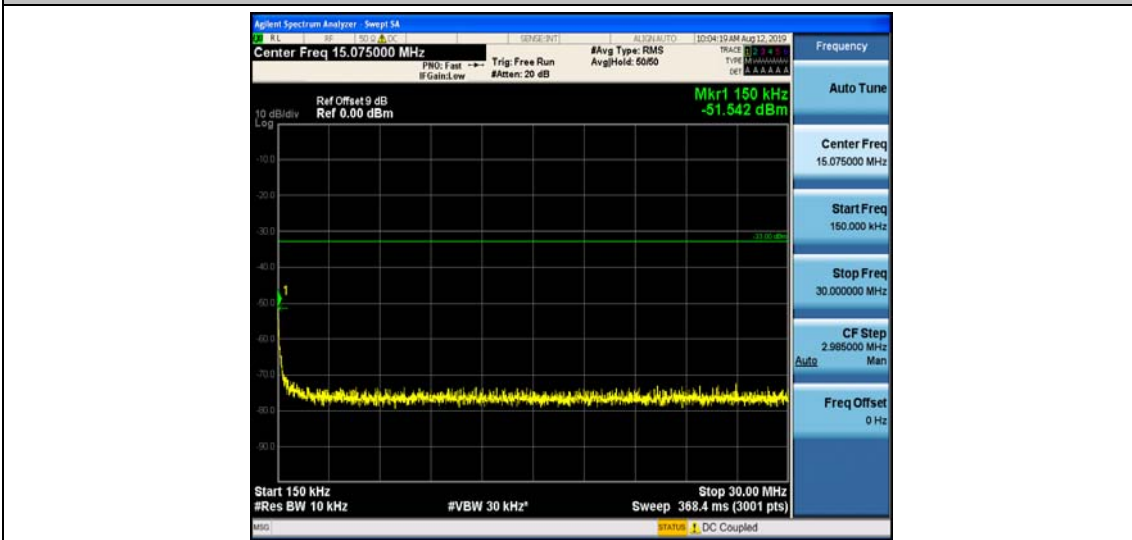




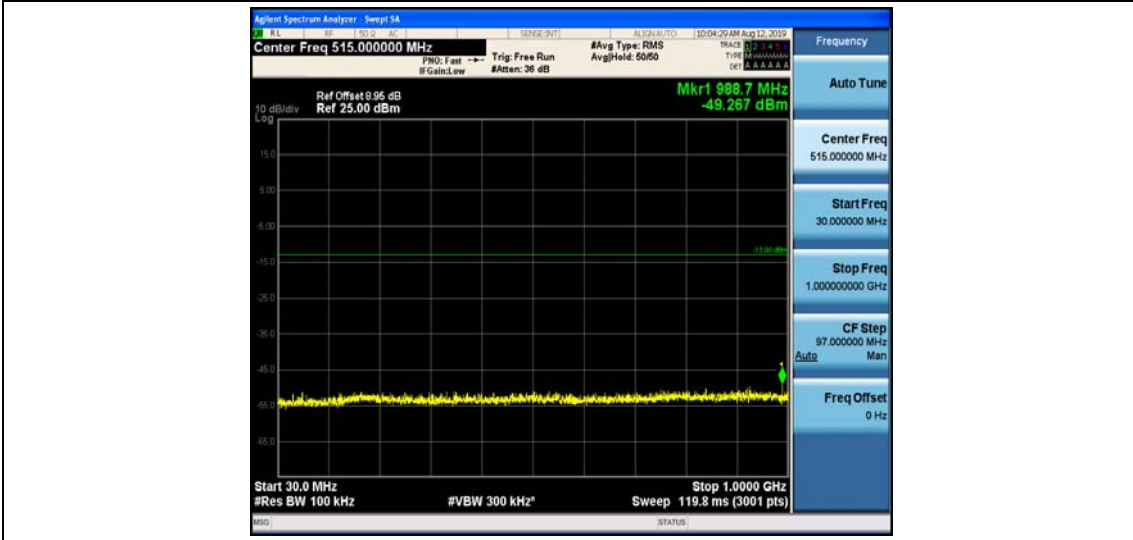
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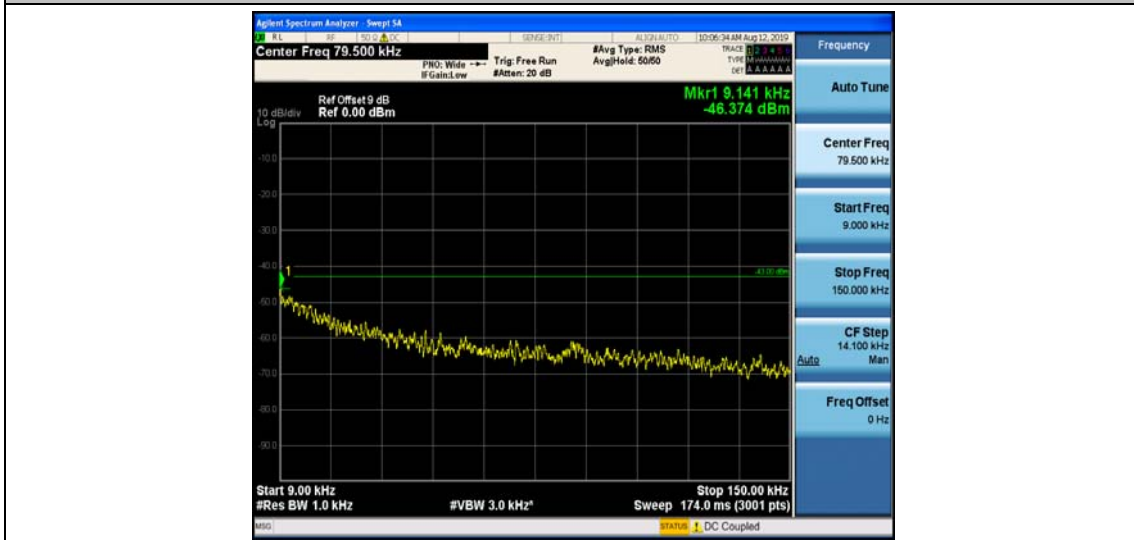
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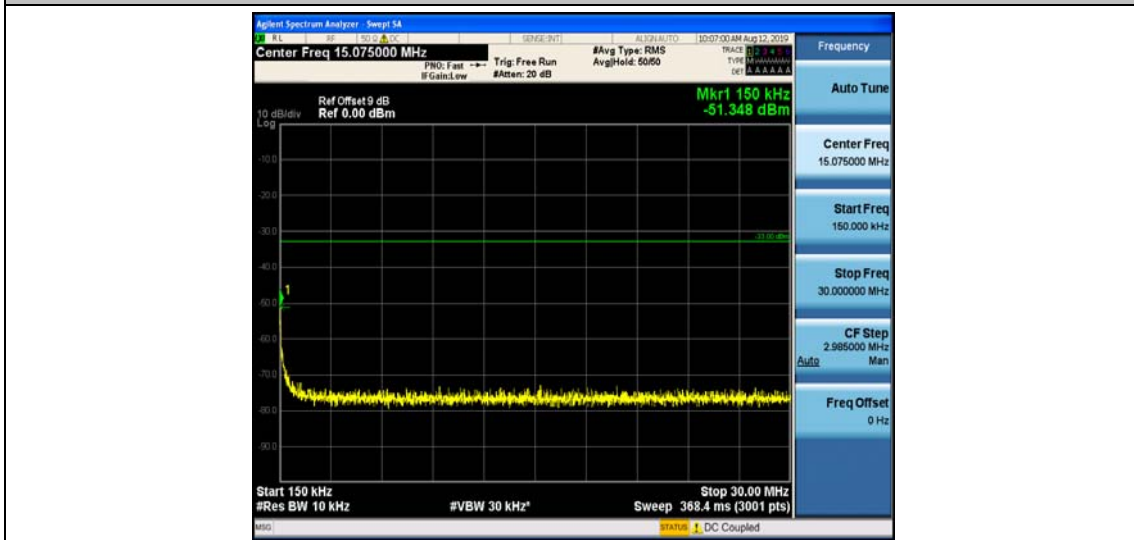
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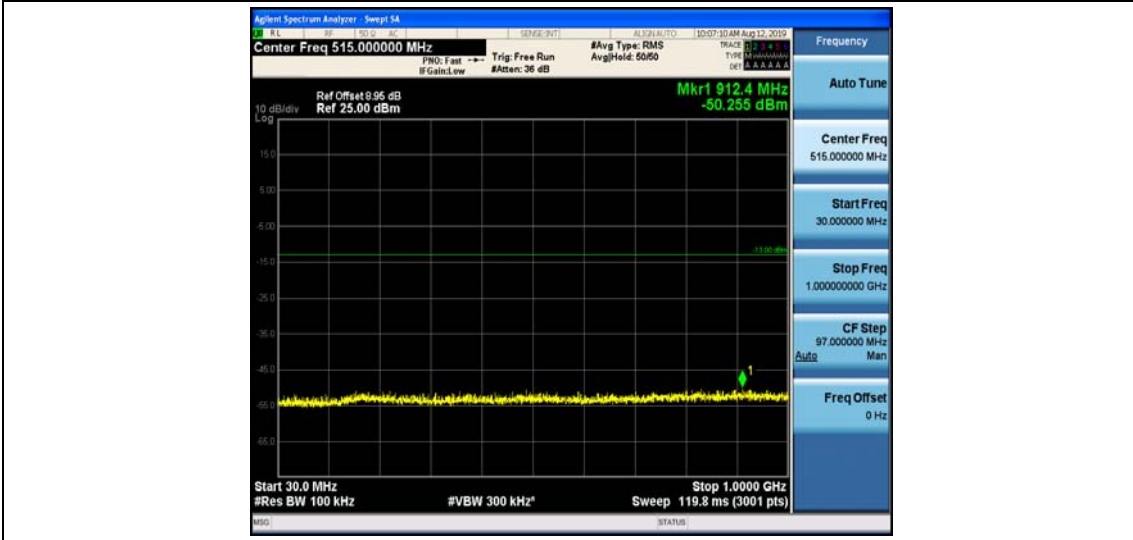
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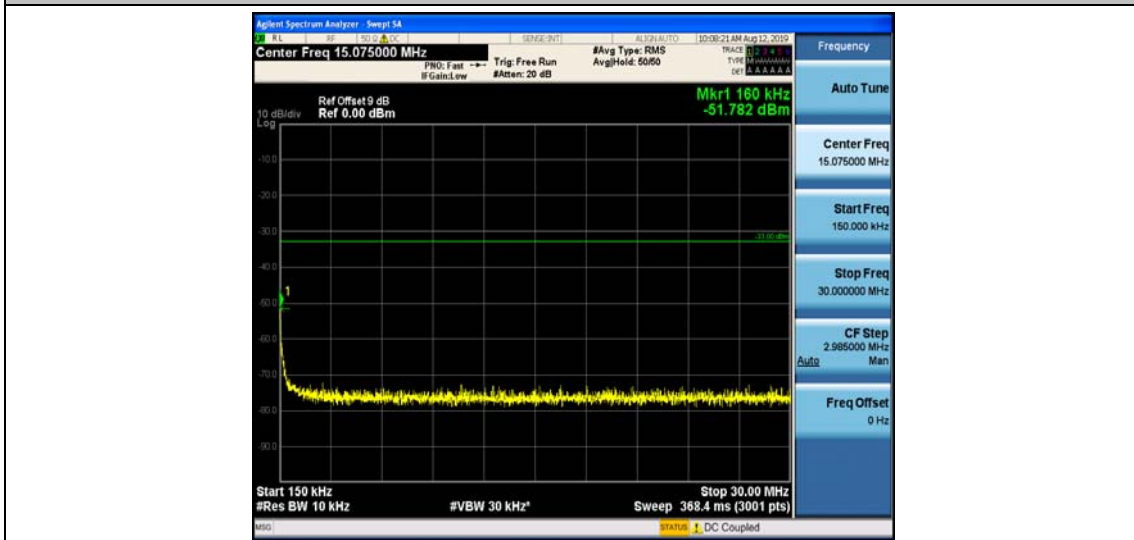
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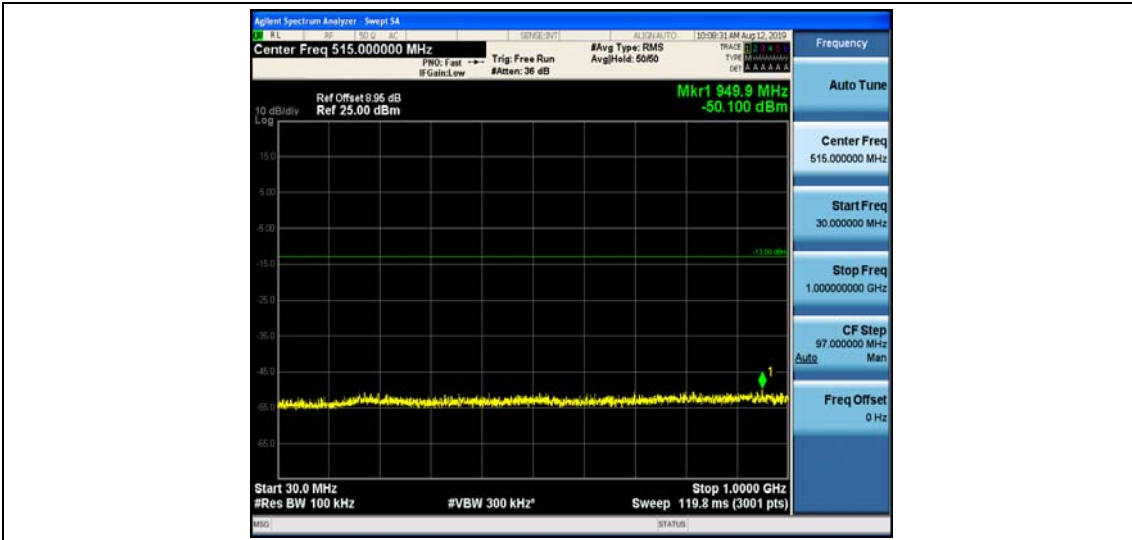
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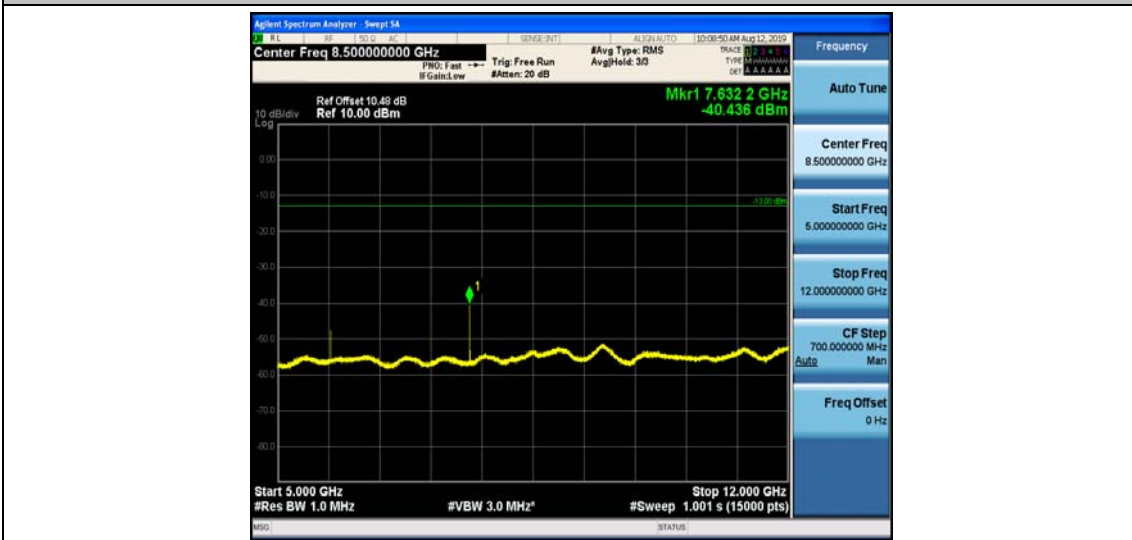
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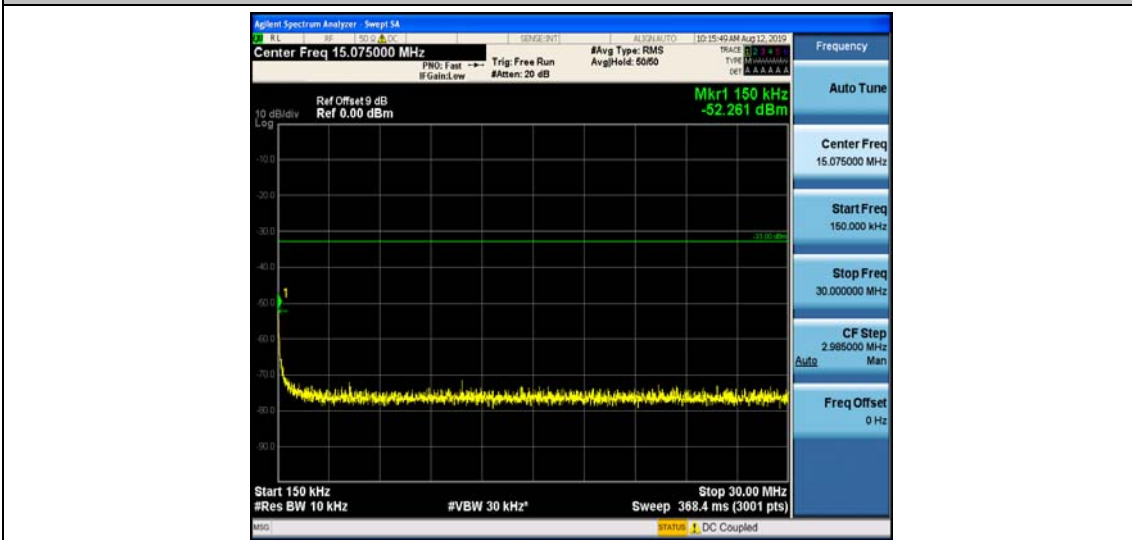
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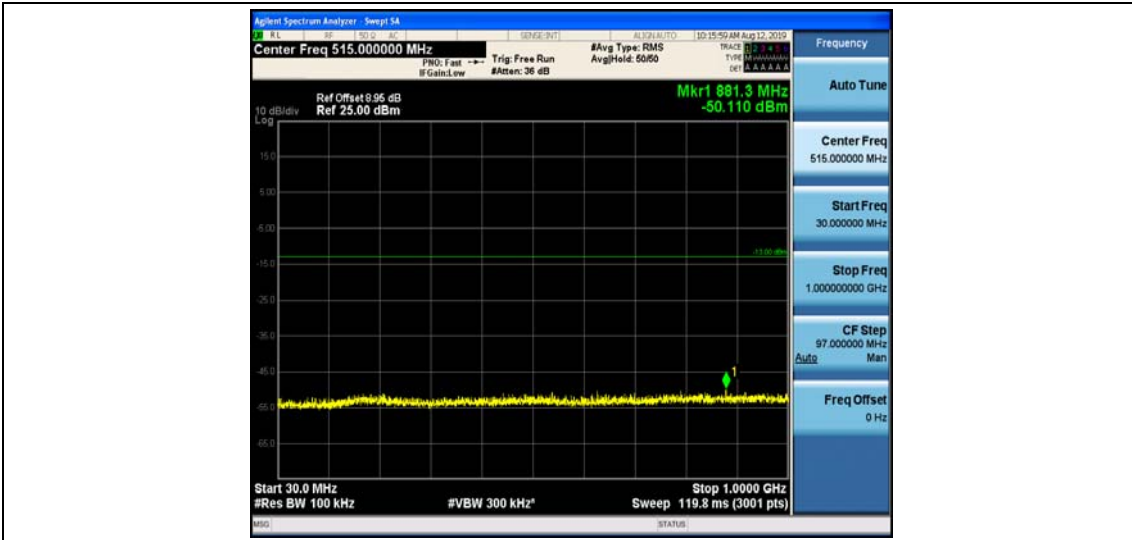
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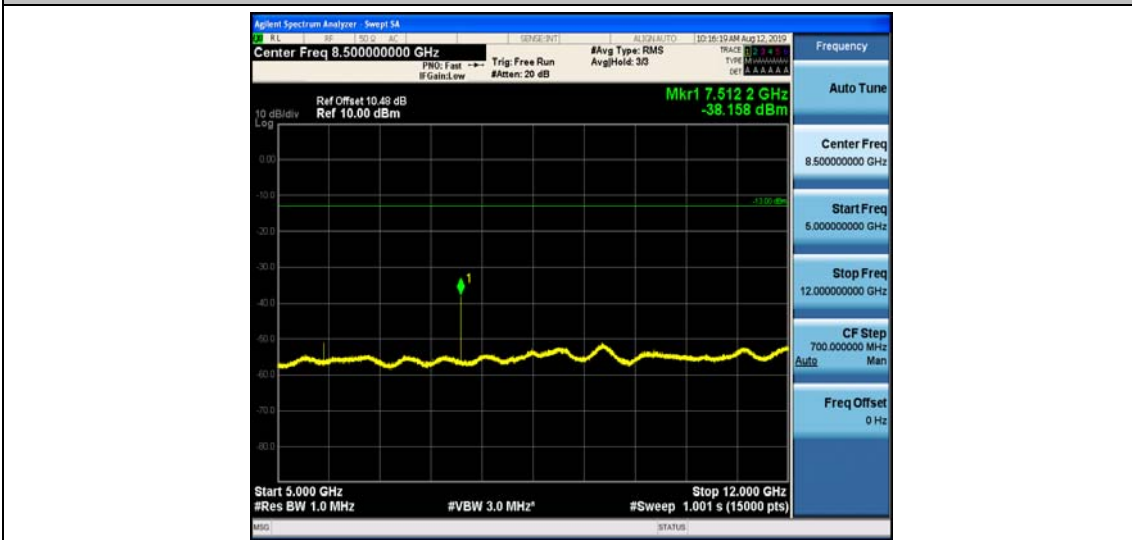
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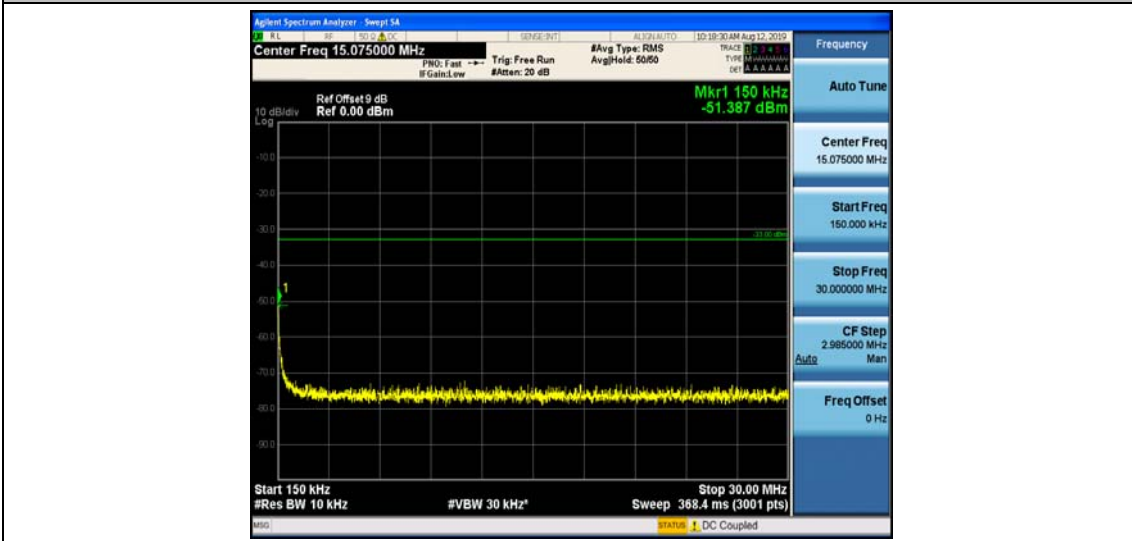
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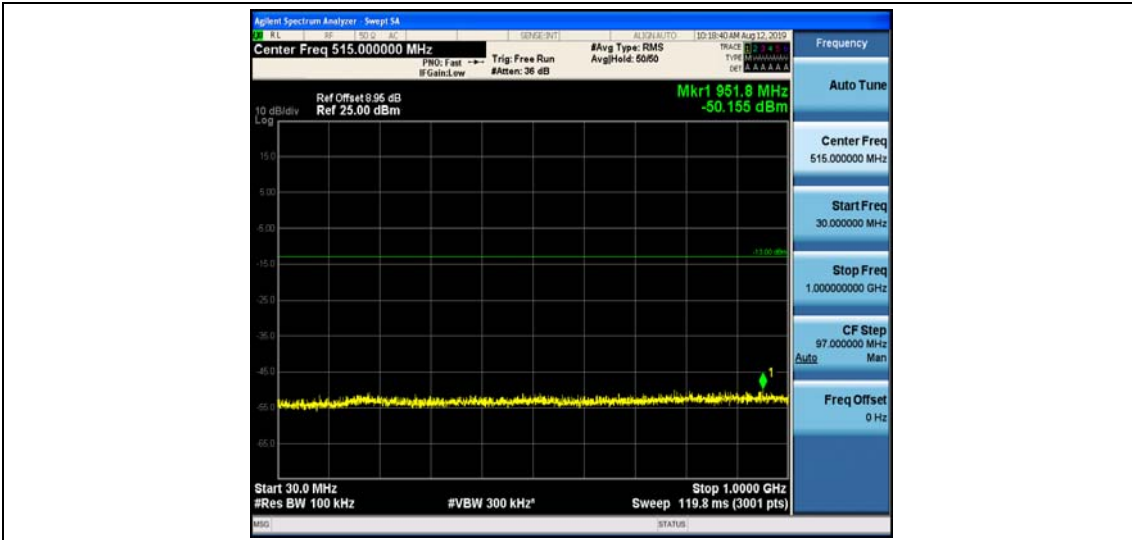
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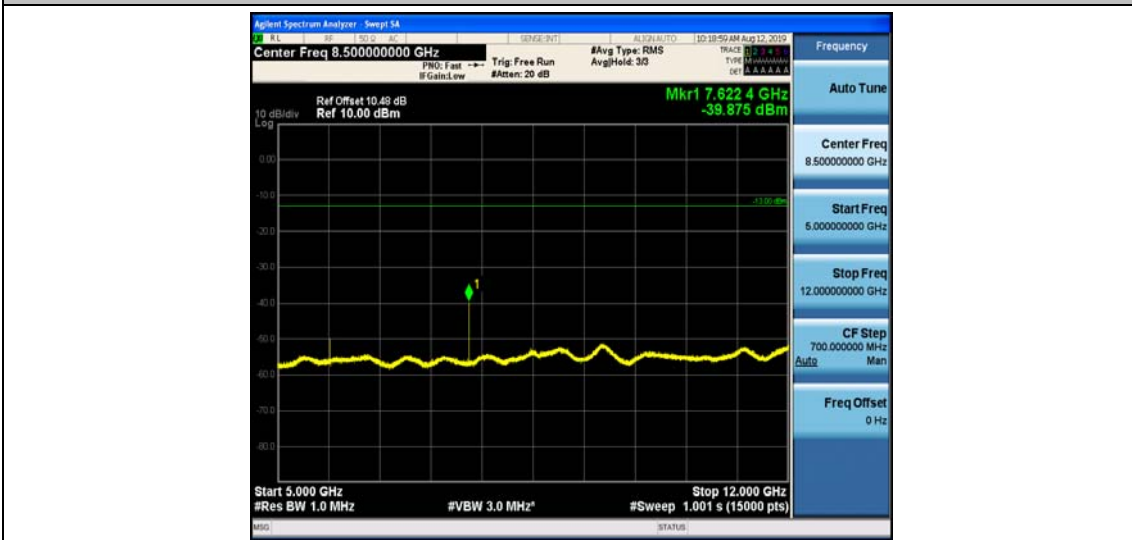
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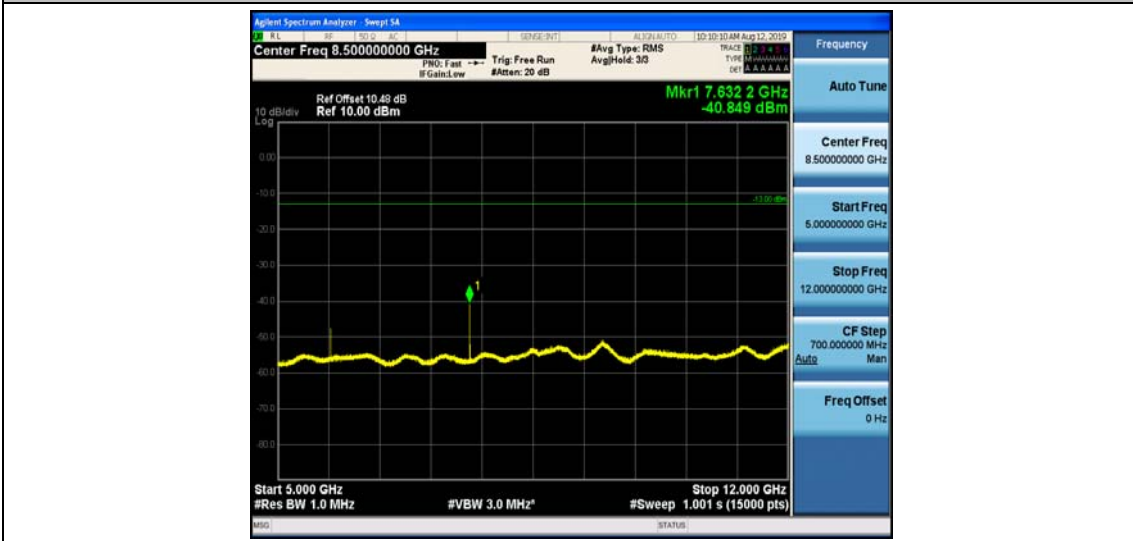
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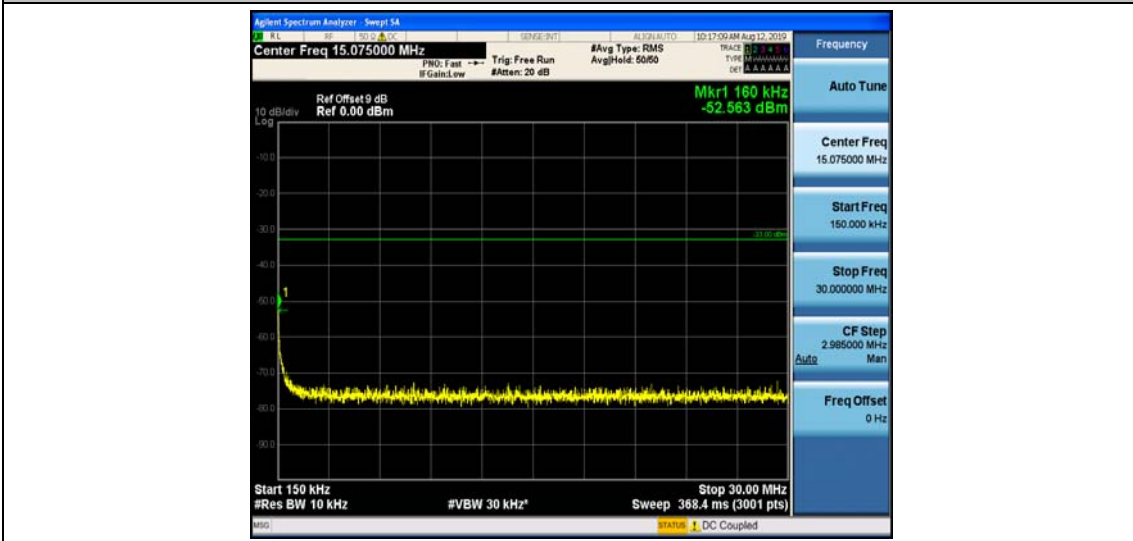
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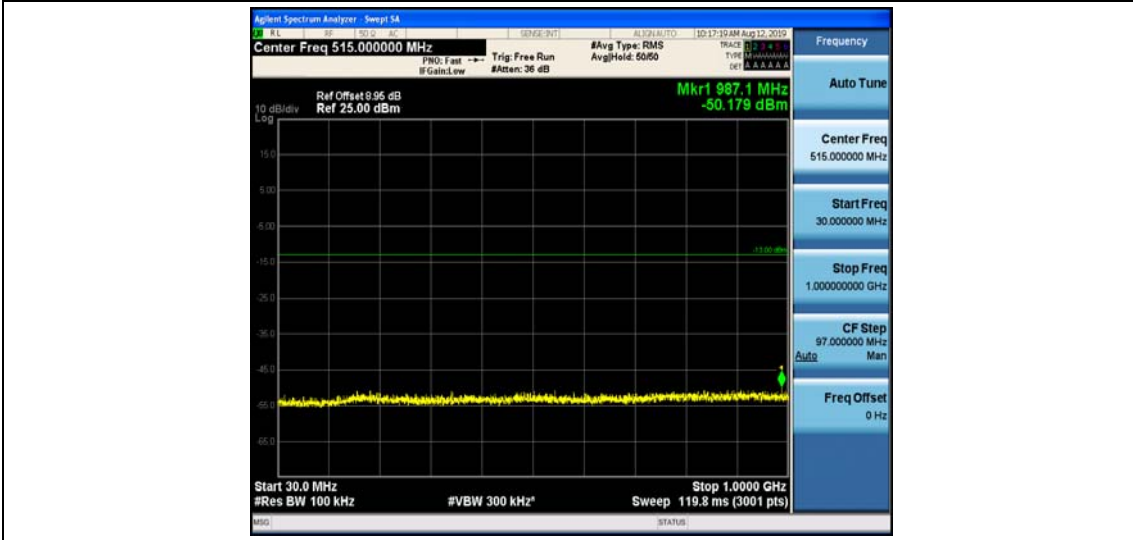
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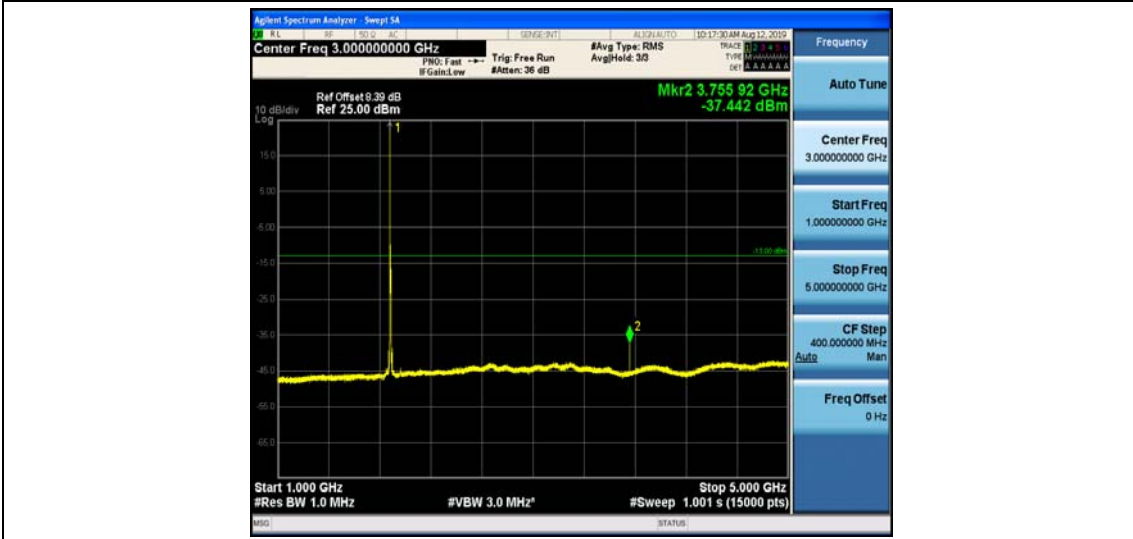
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Band25_10MHz_16QAM_26365_1RB#0



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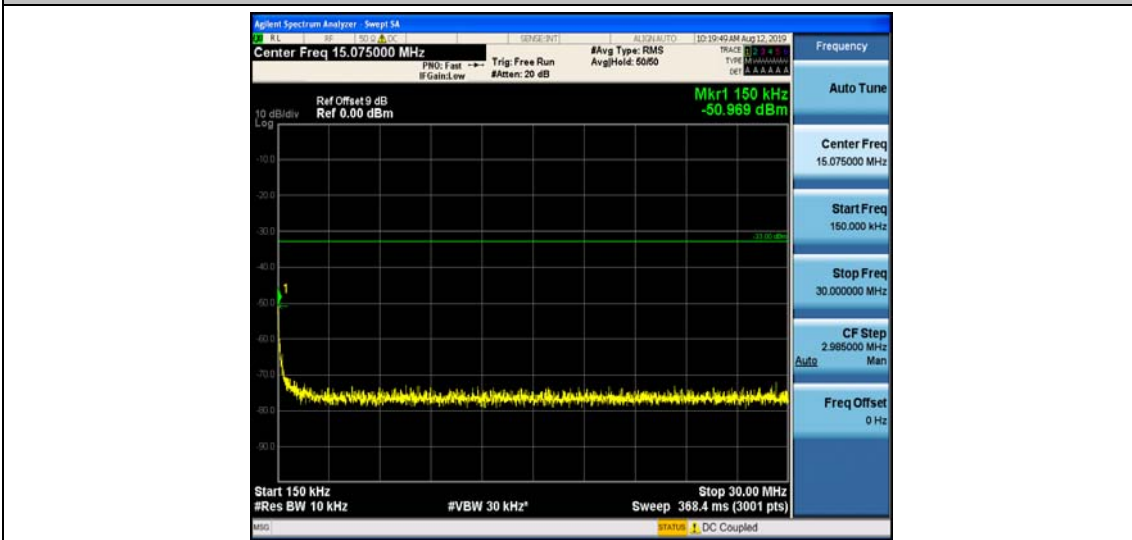
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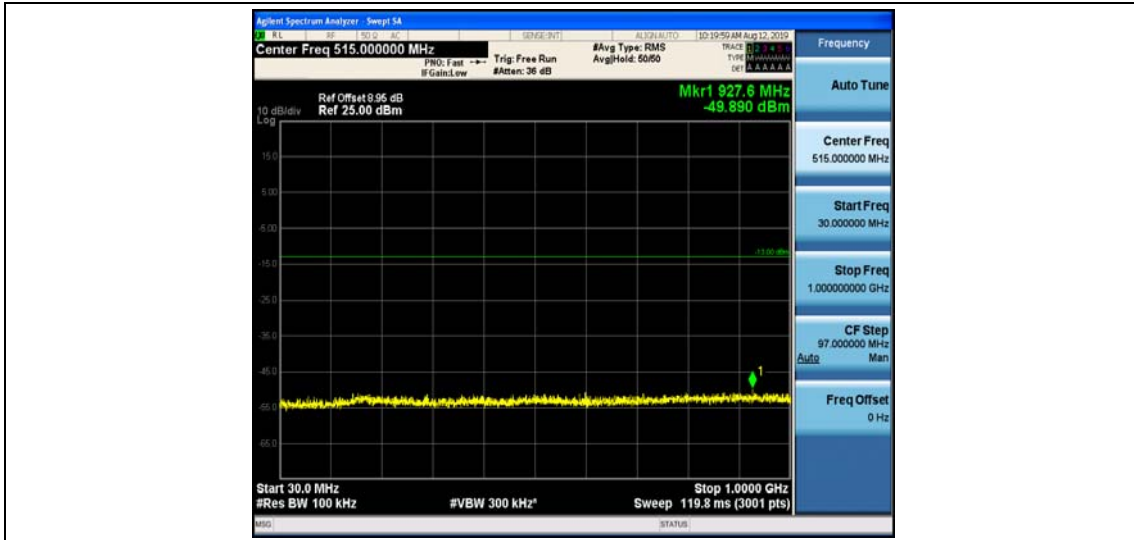
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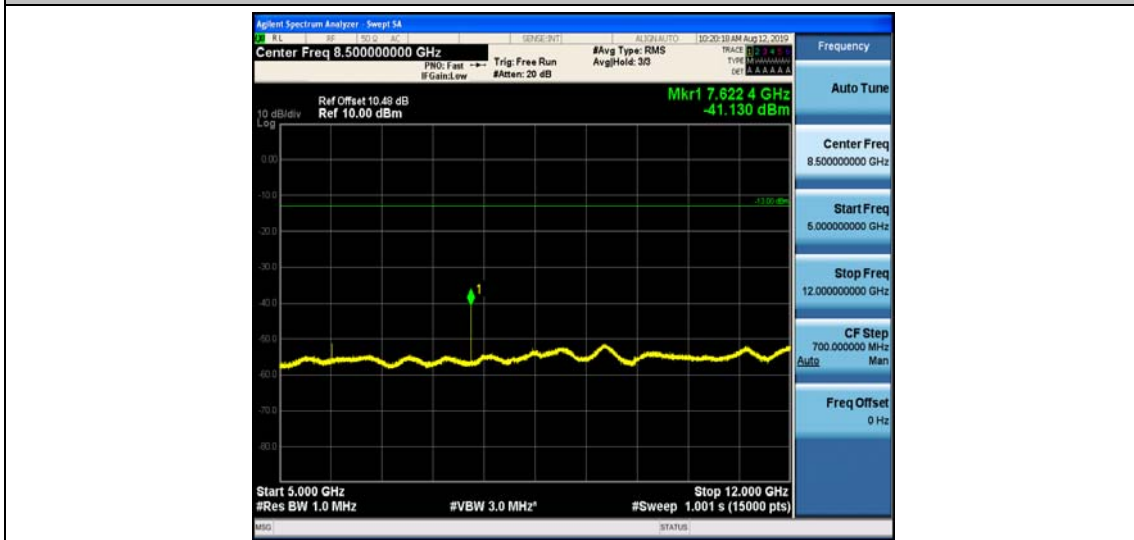
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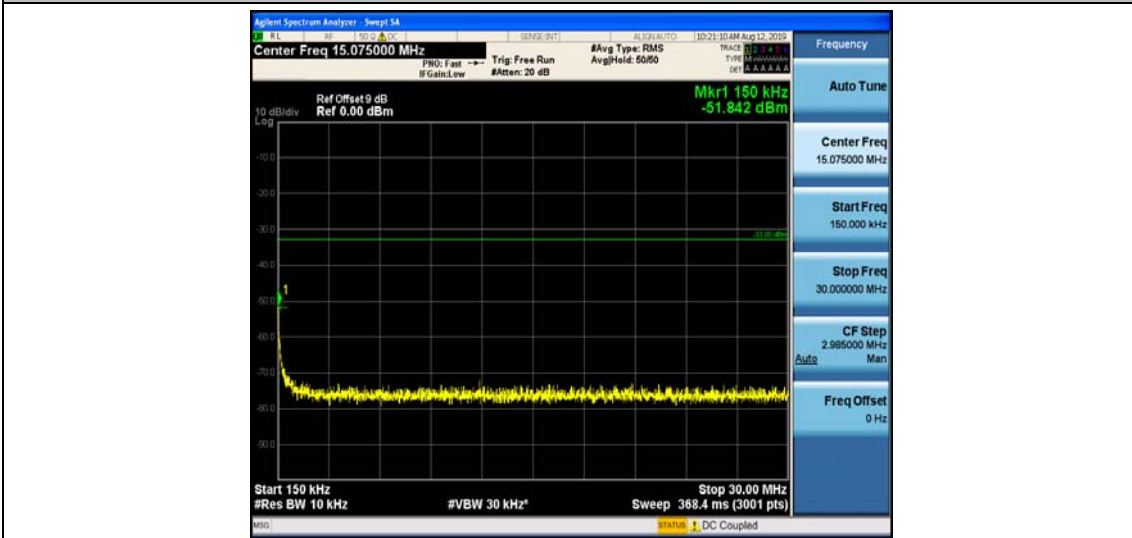
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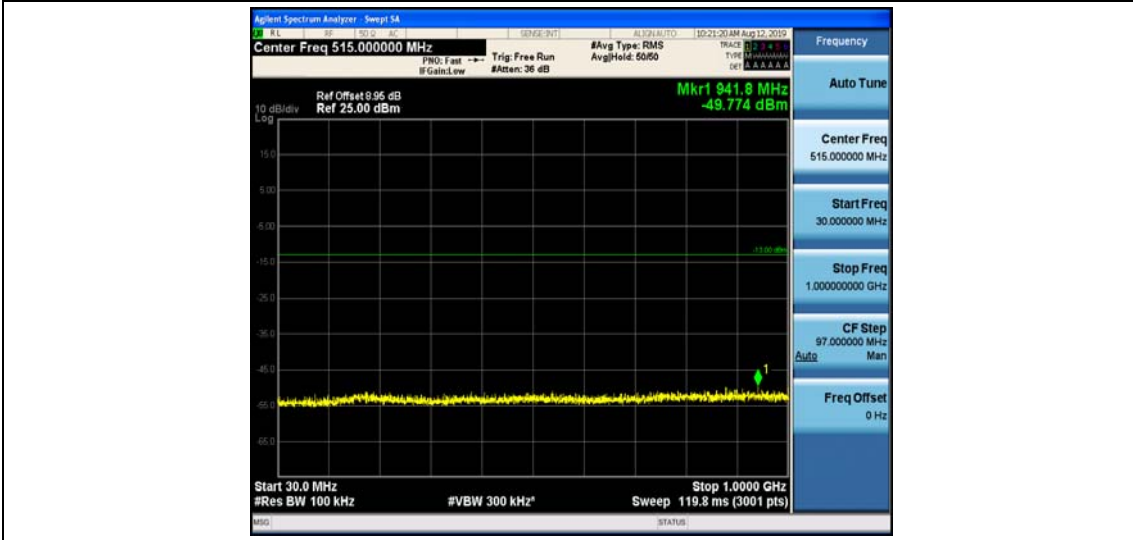
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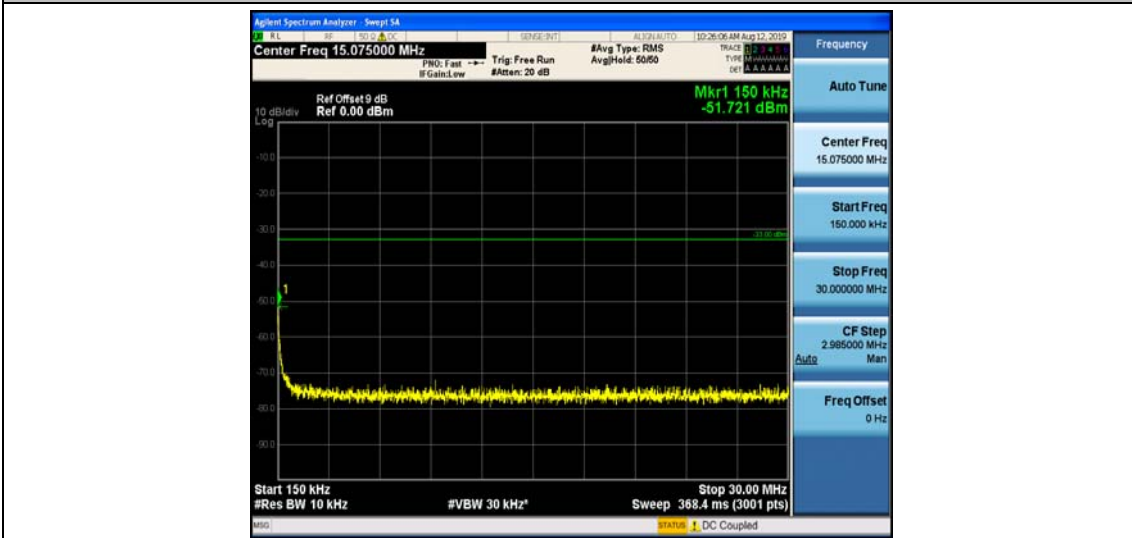
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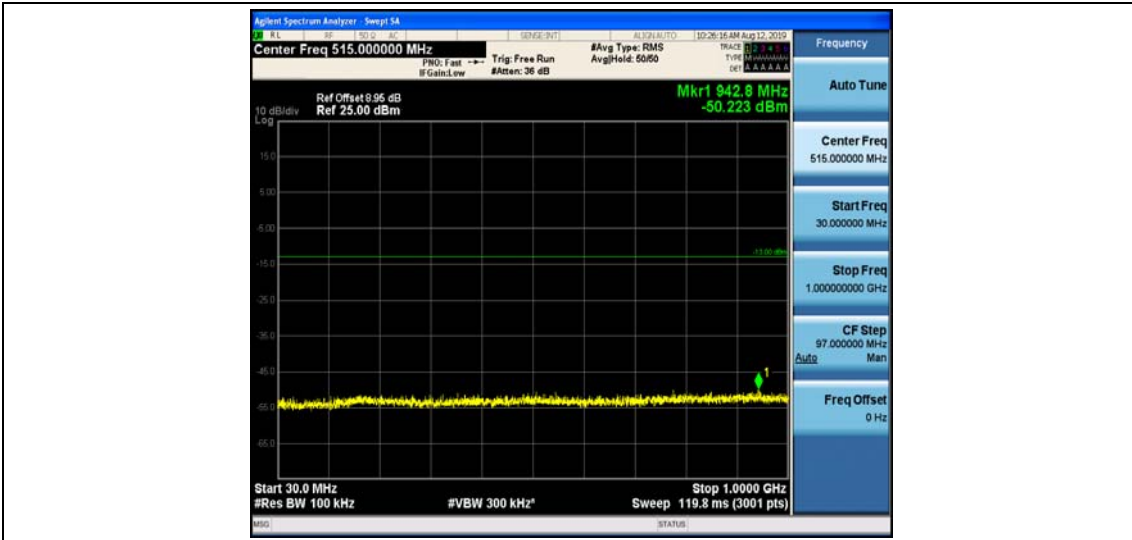
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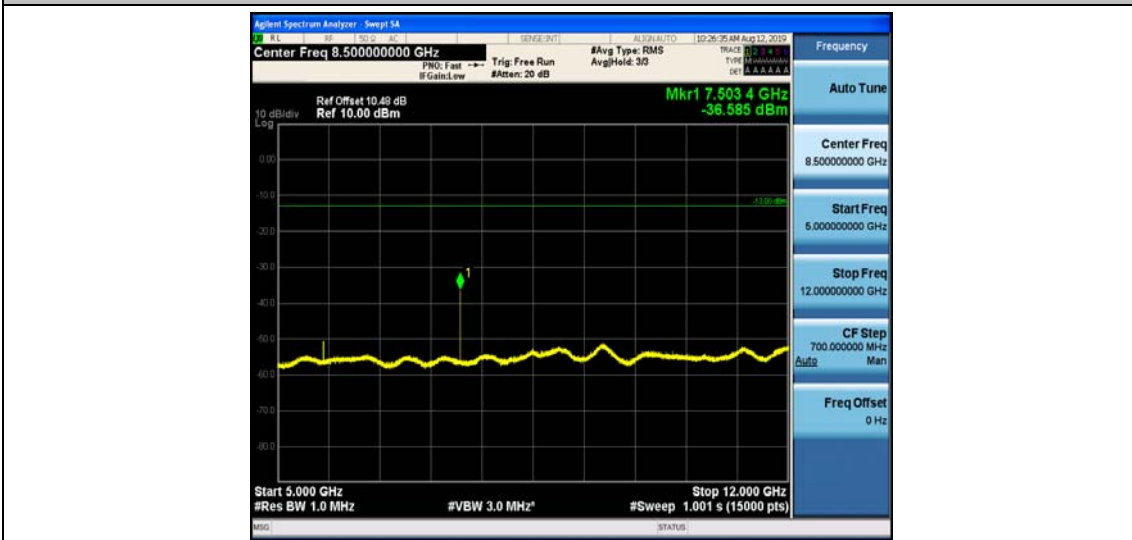
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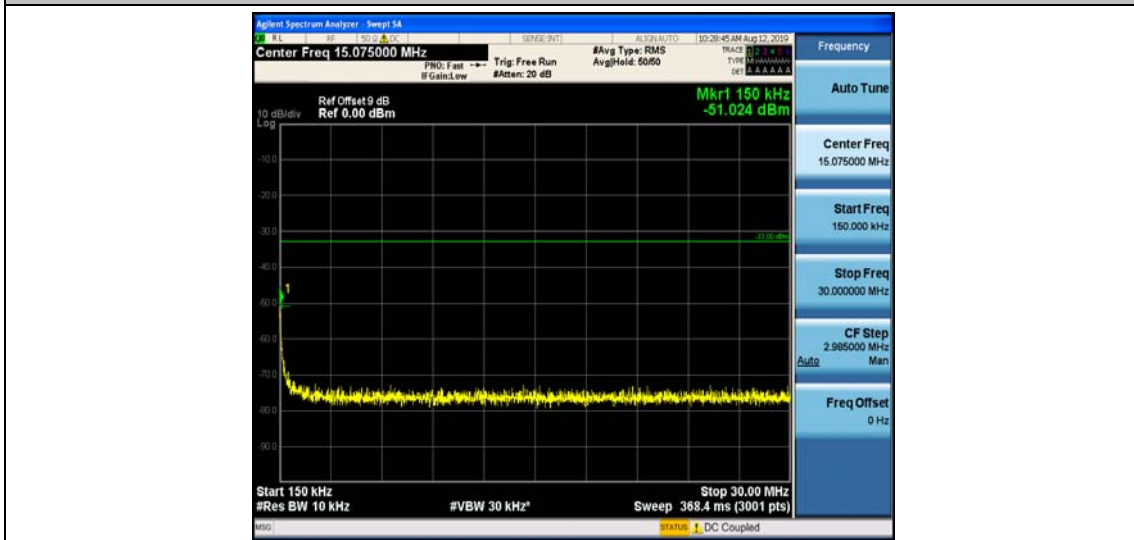
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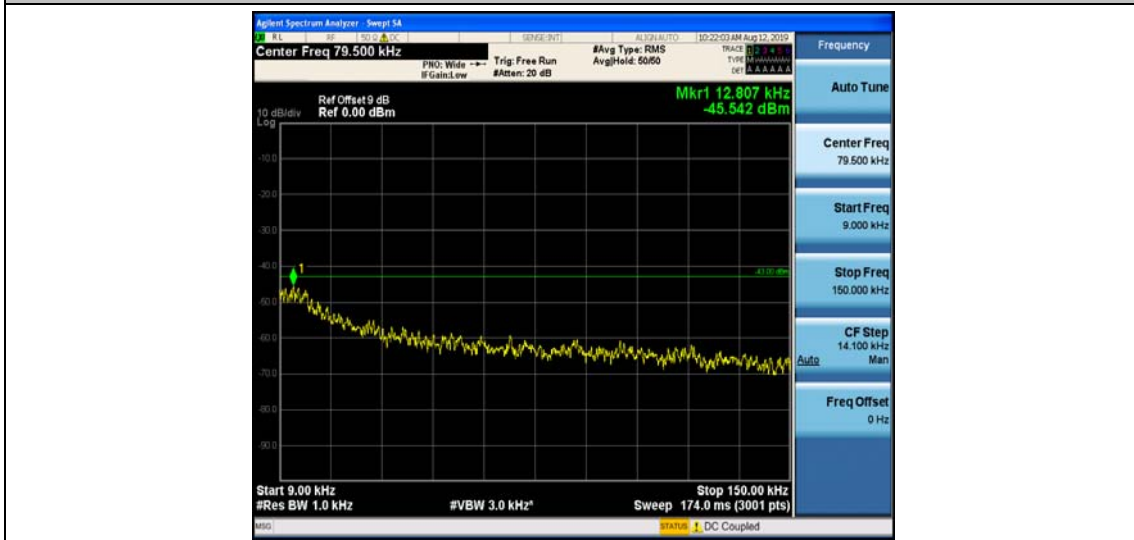
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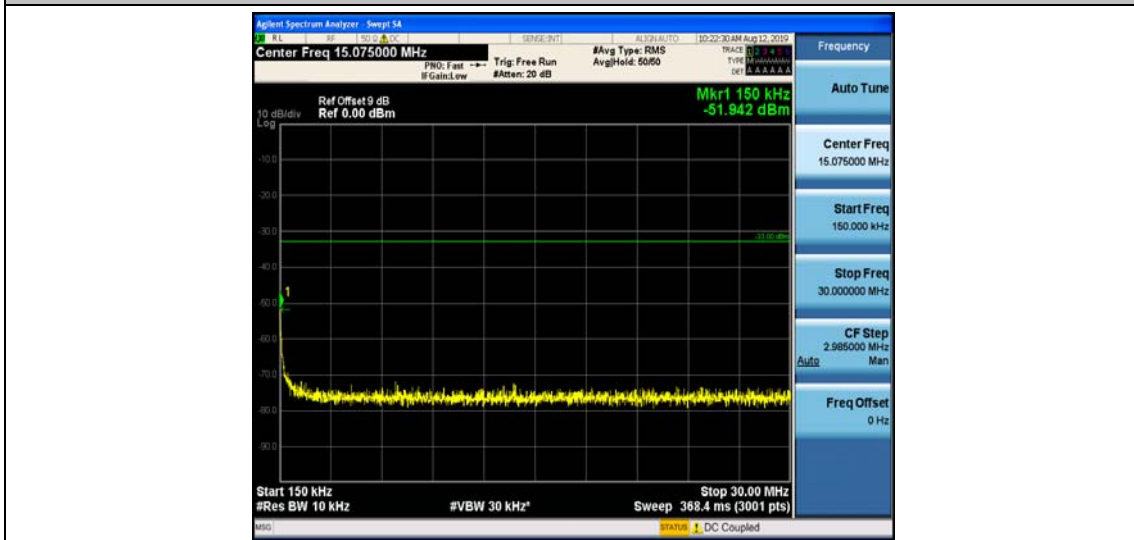
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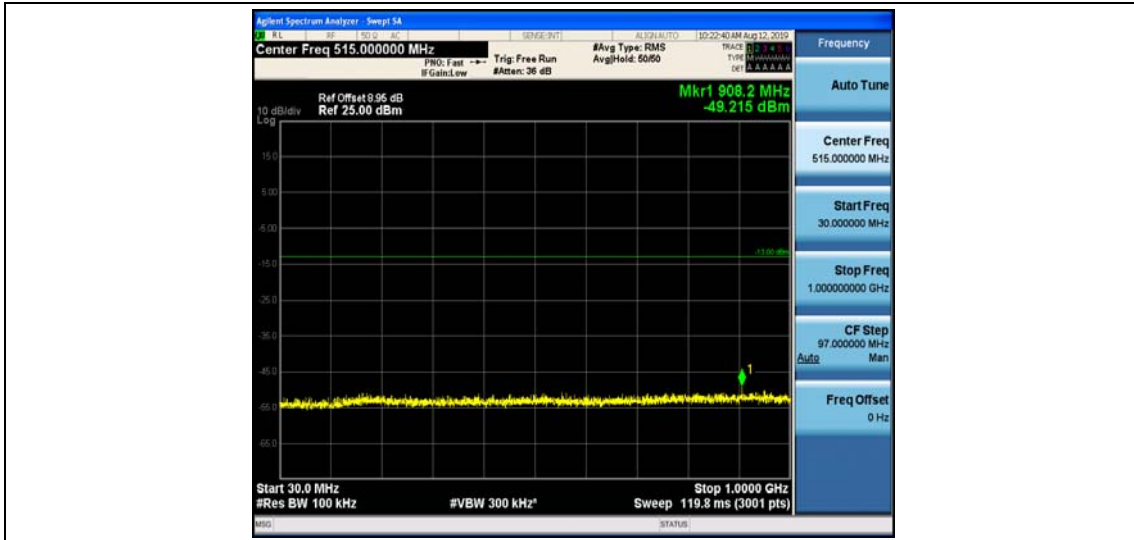
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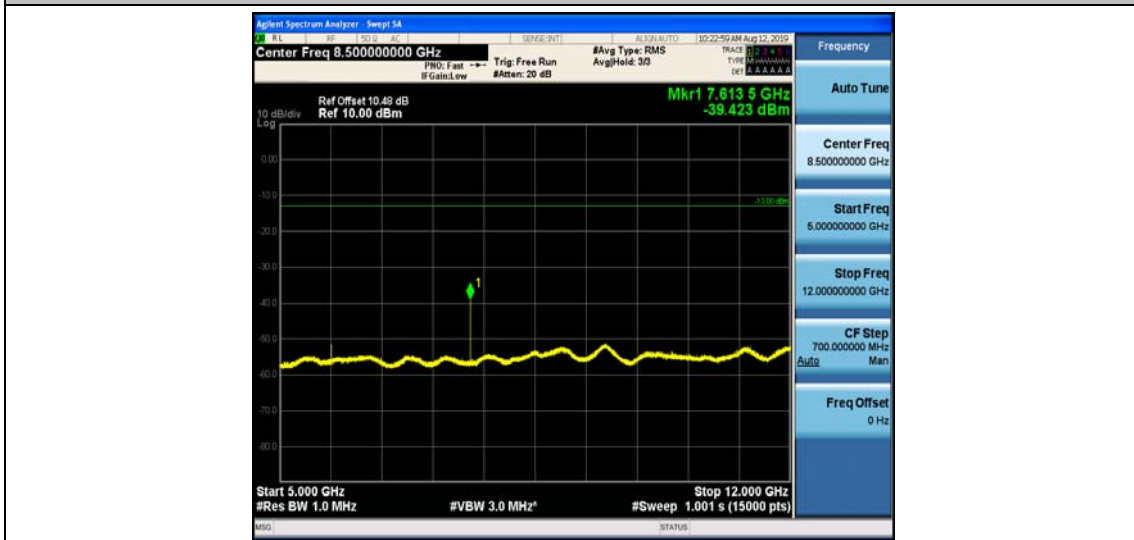
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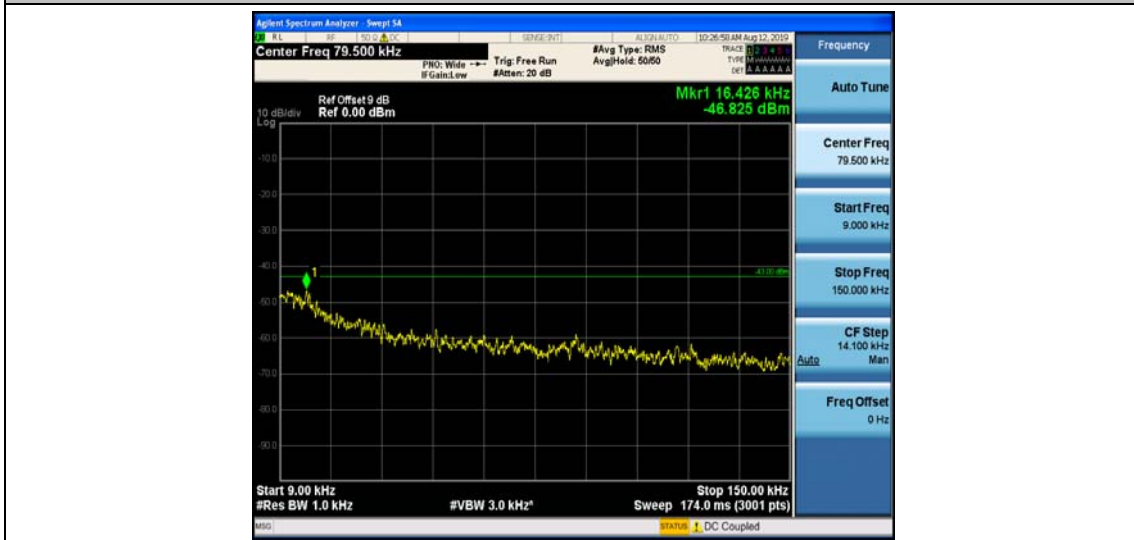
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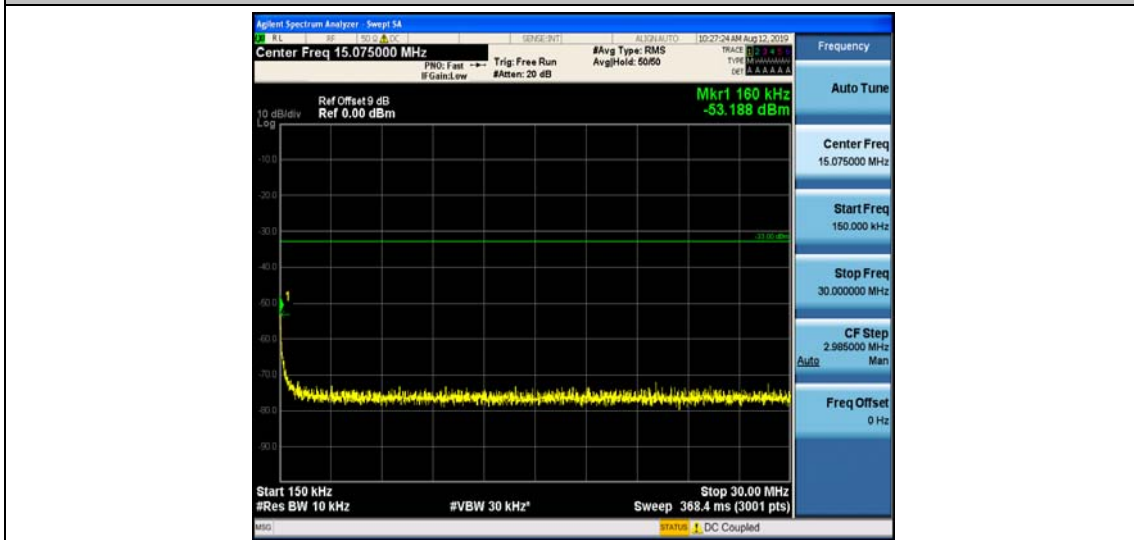
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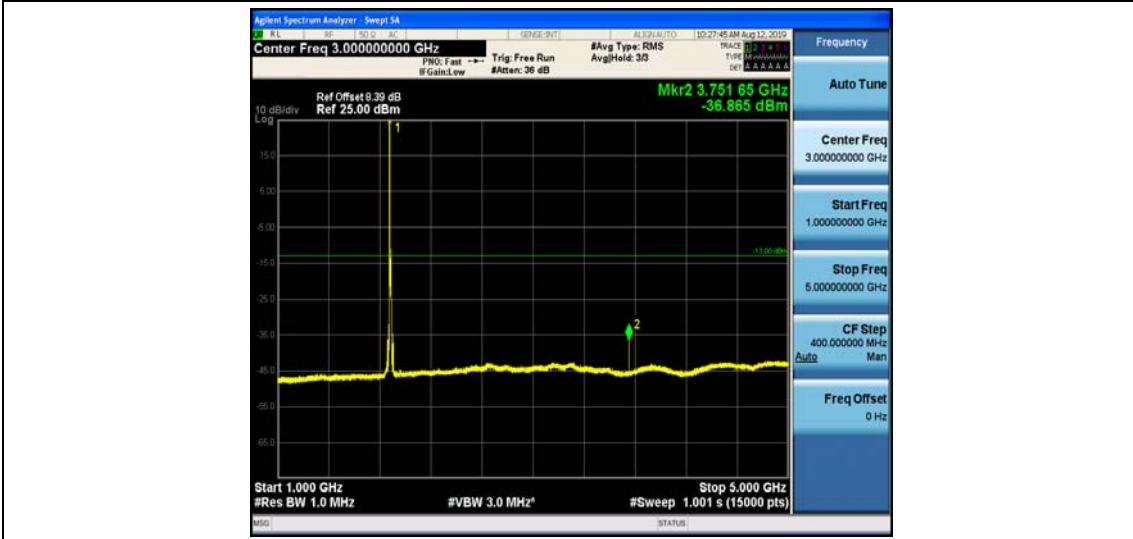
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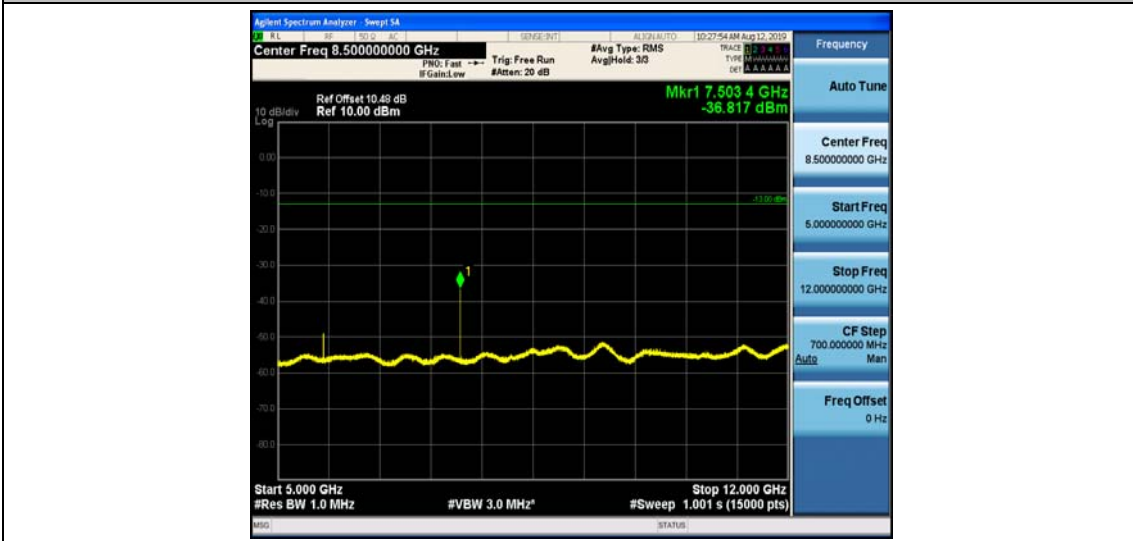
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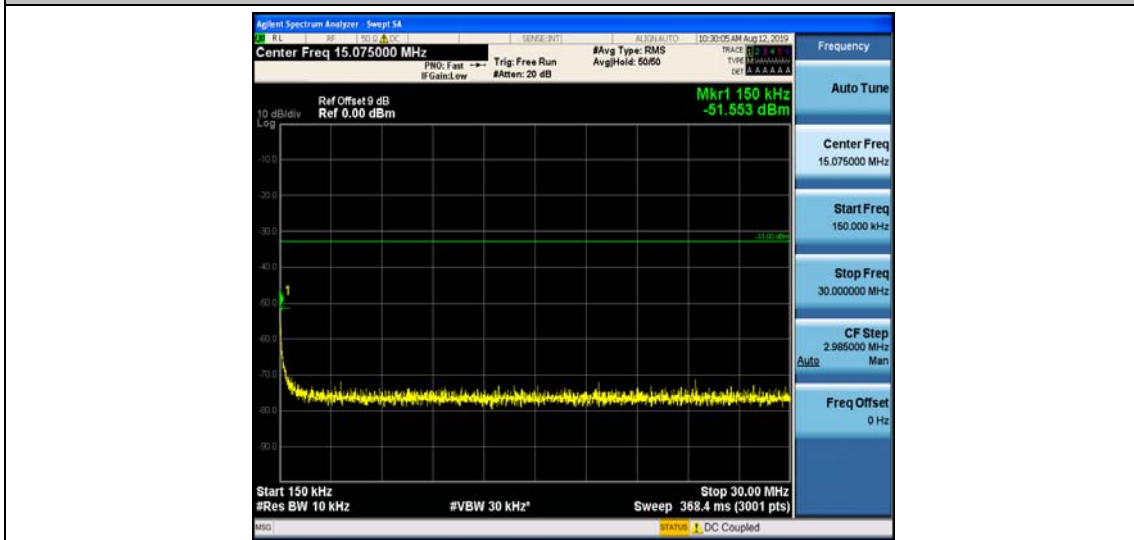
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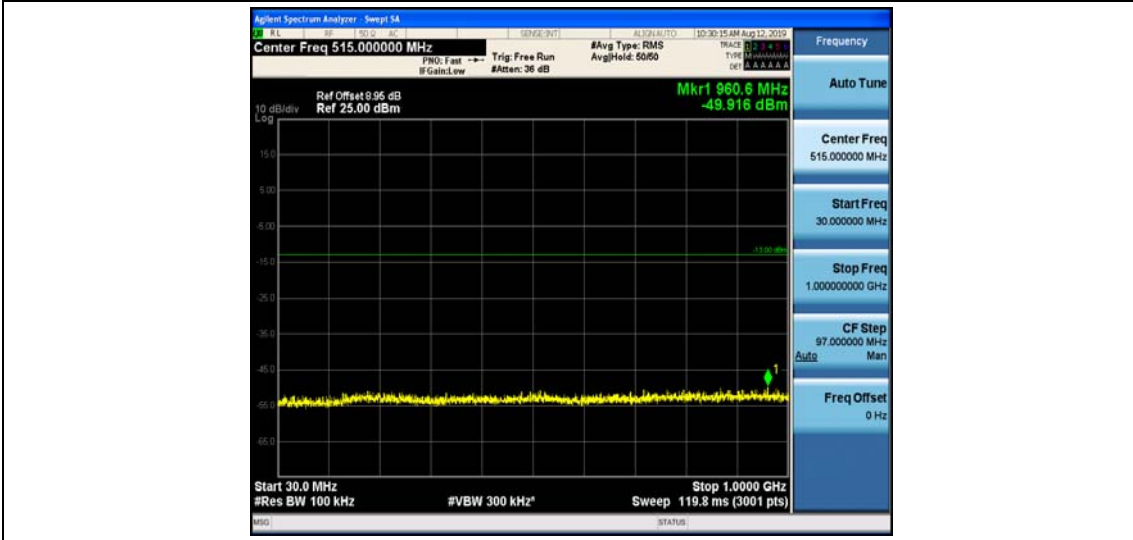
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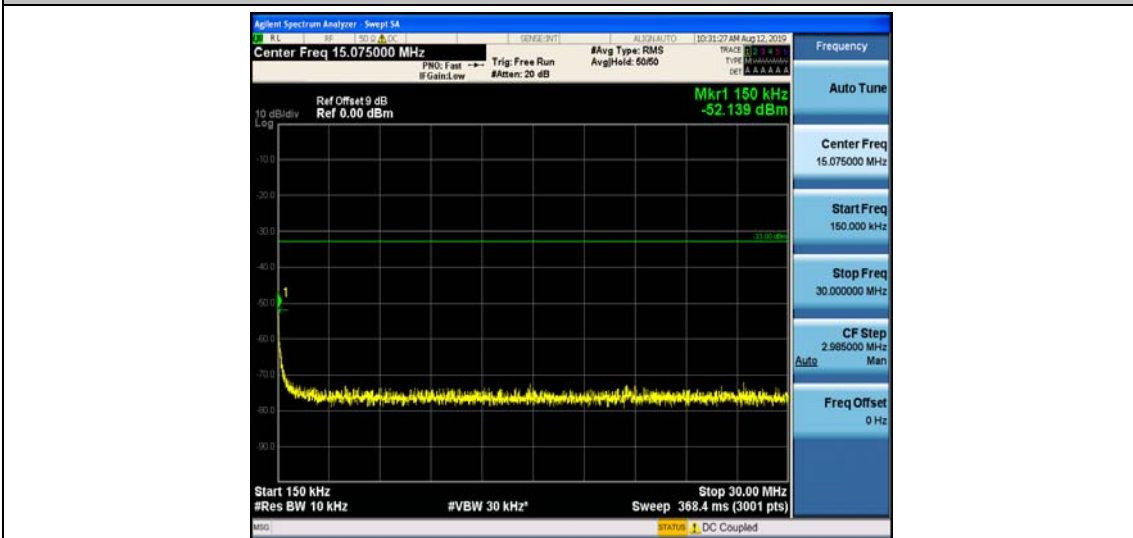
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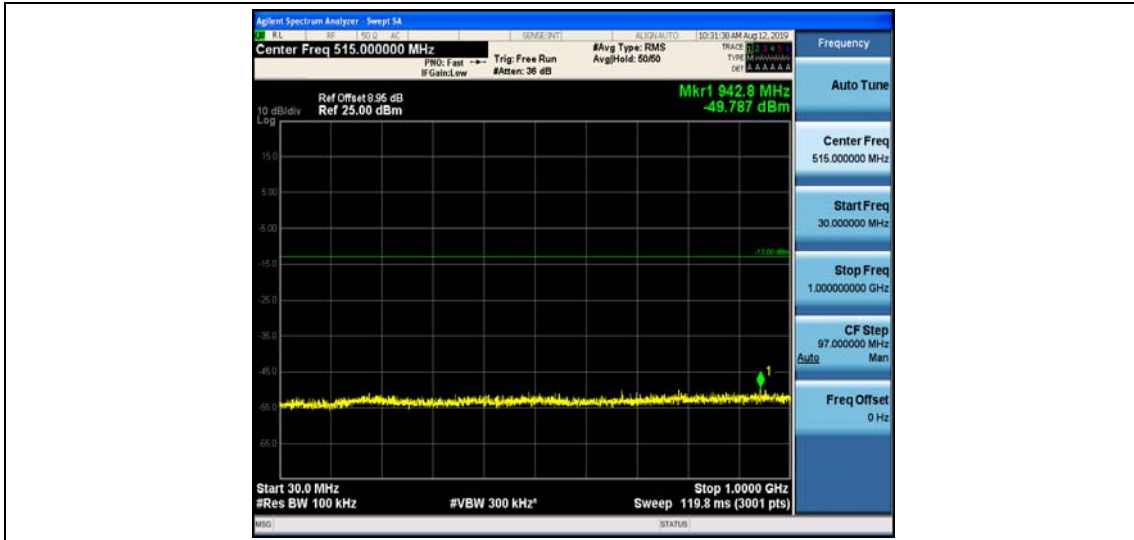
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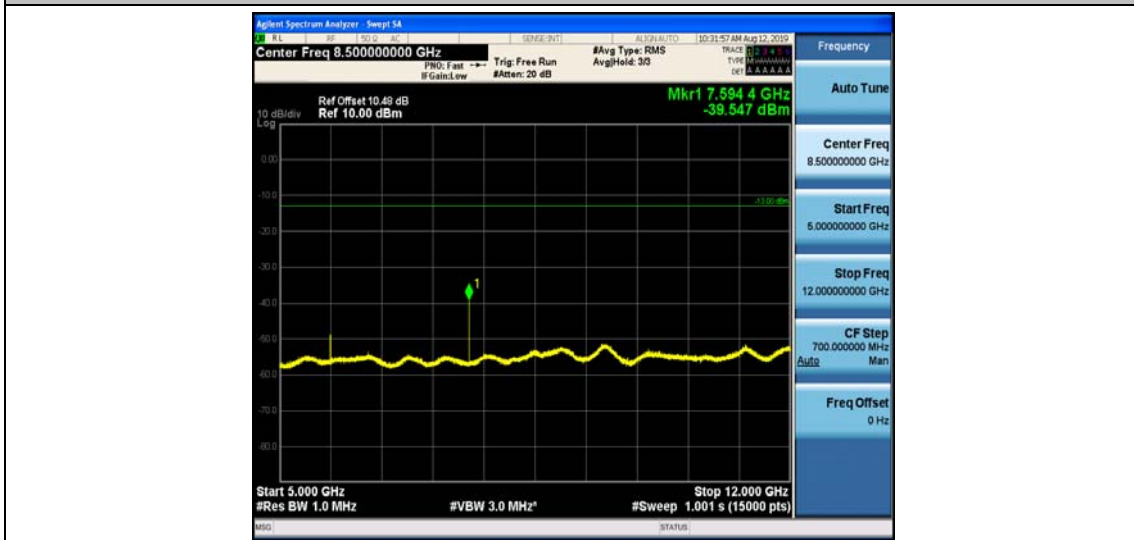
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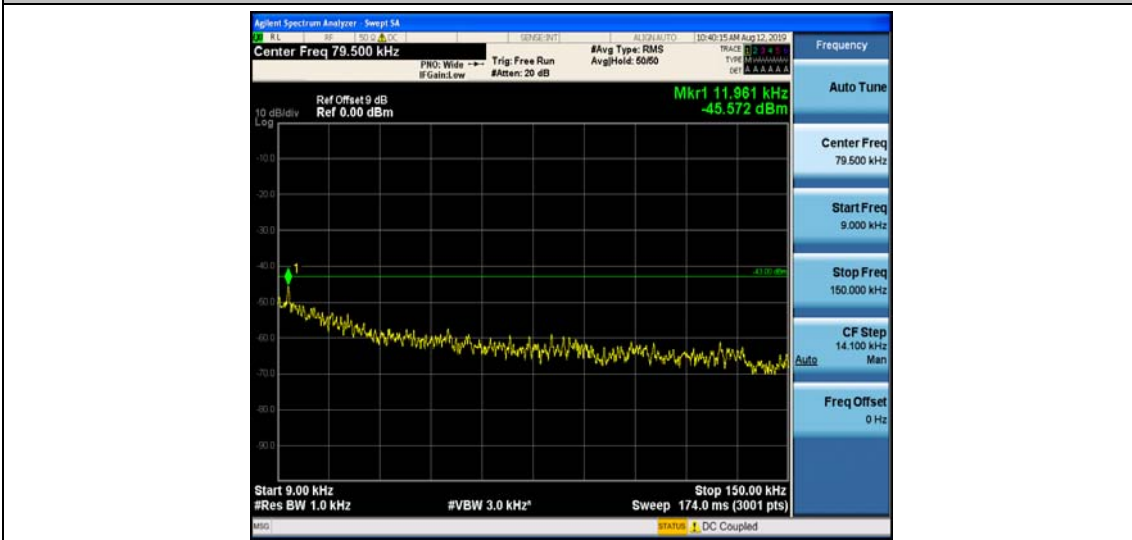
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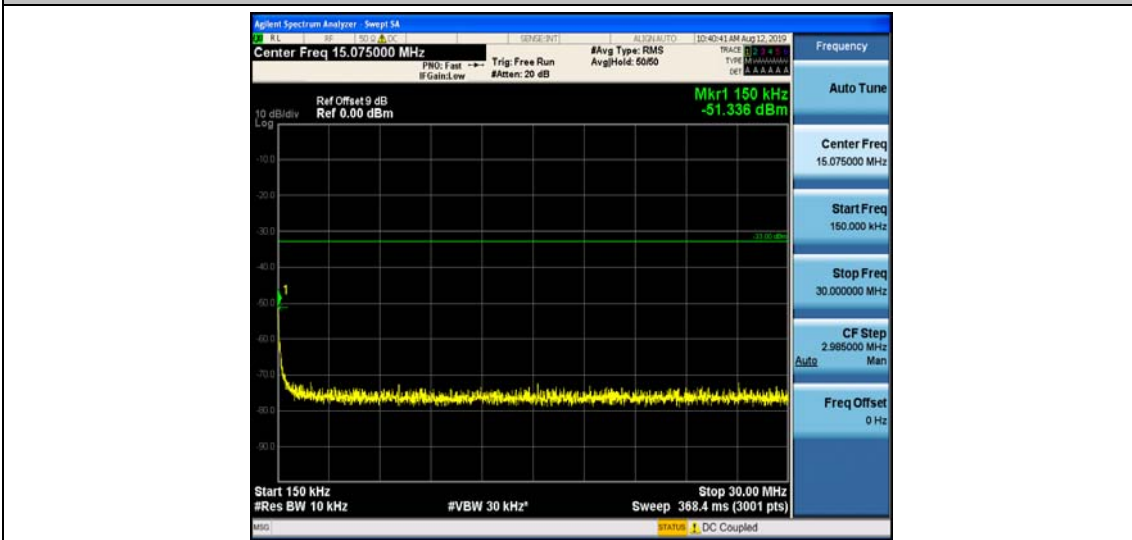
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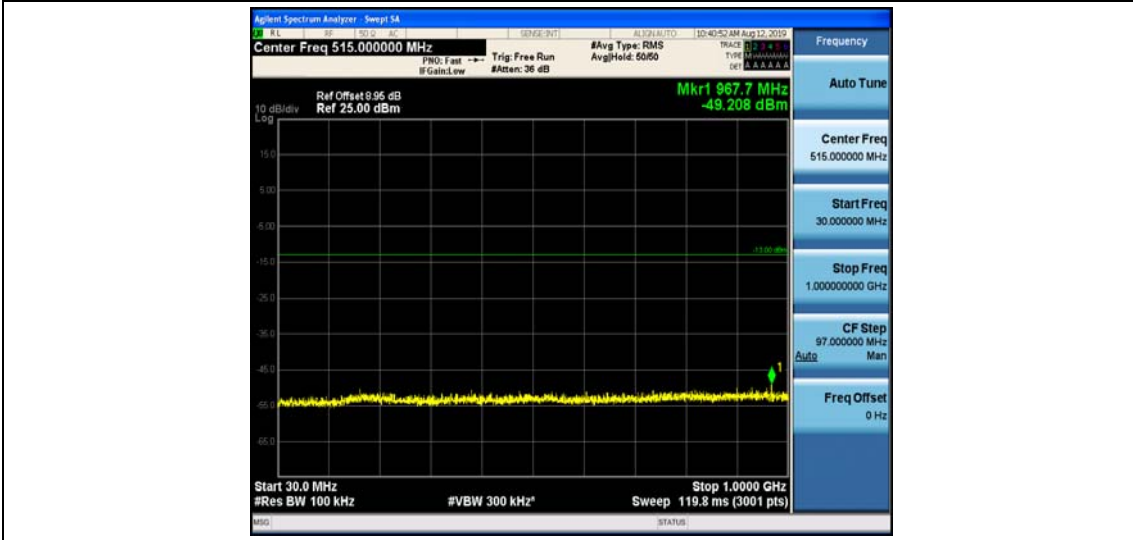
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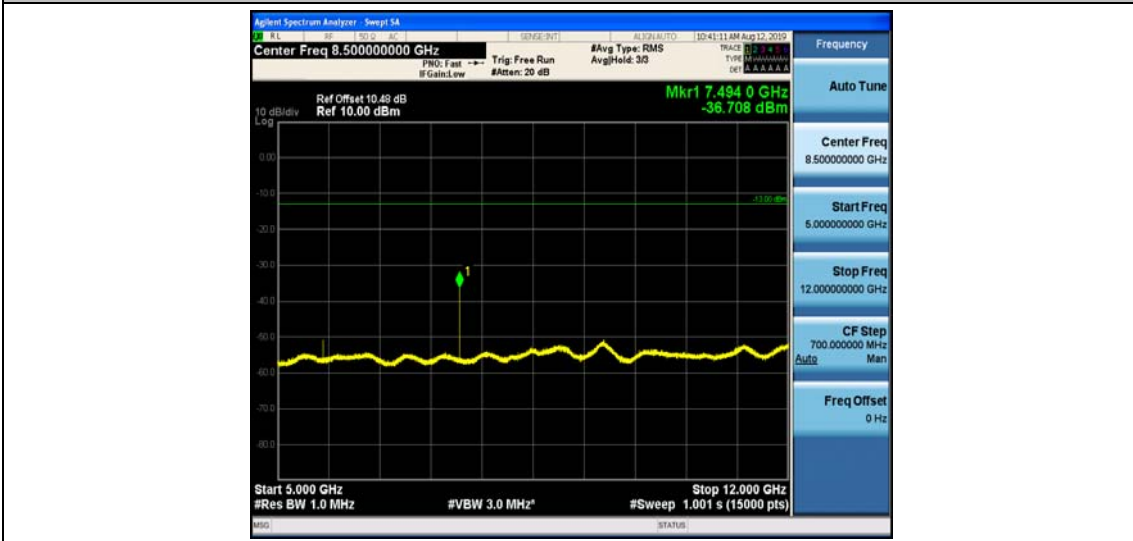
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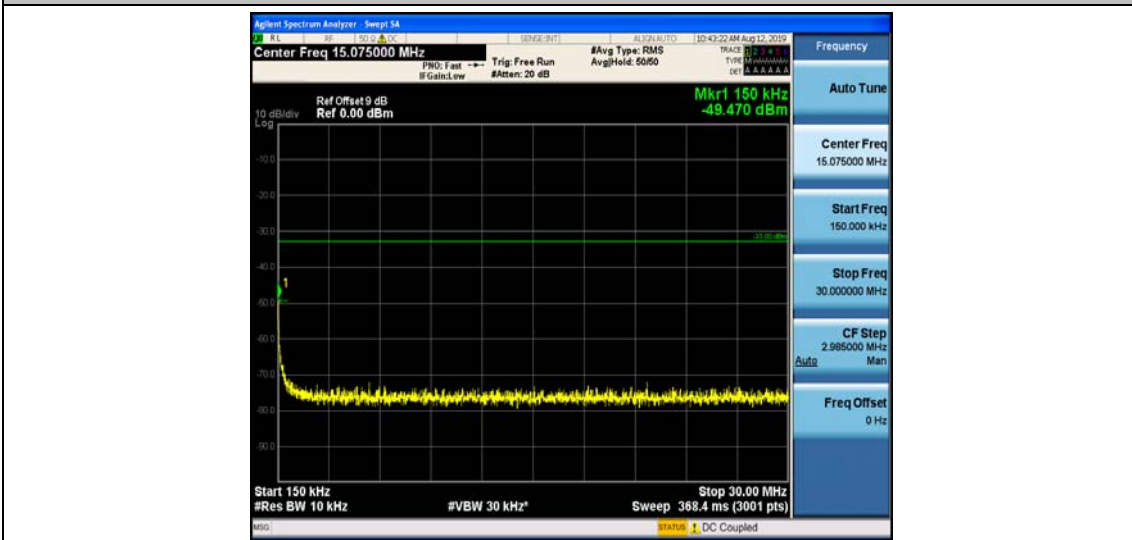
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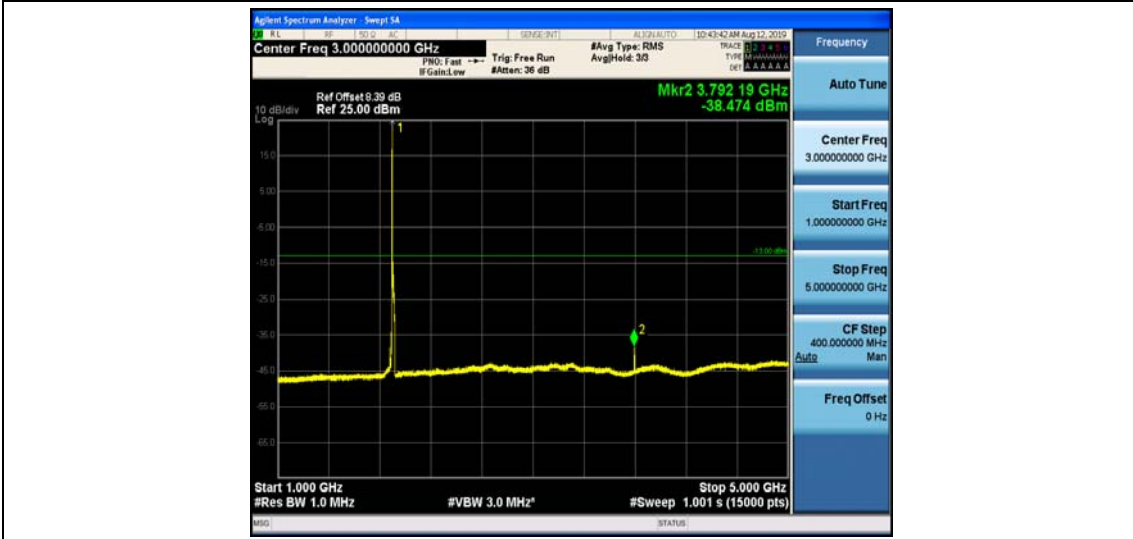
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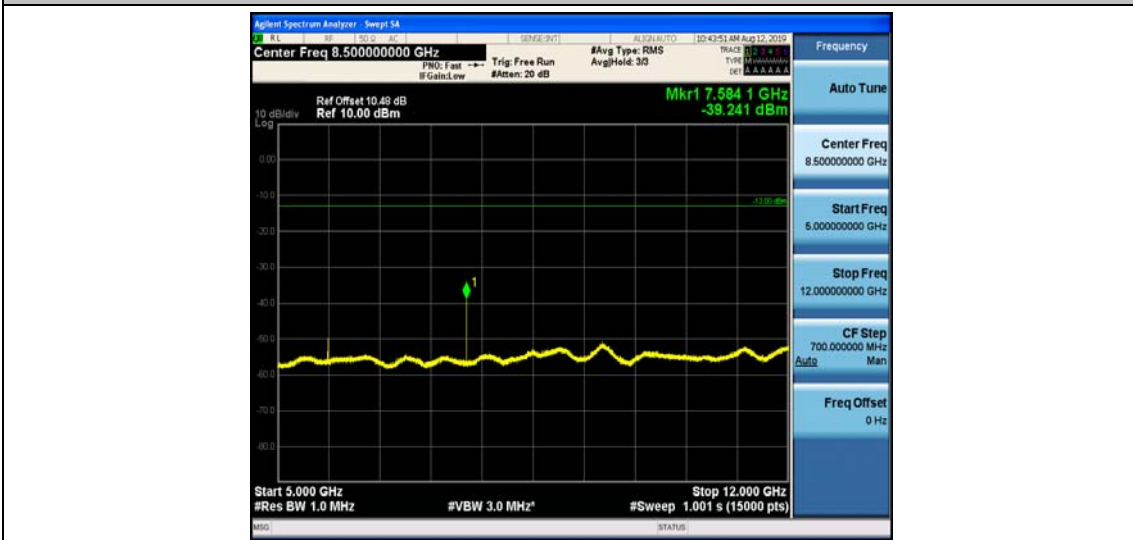
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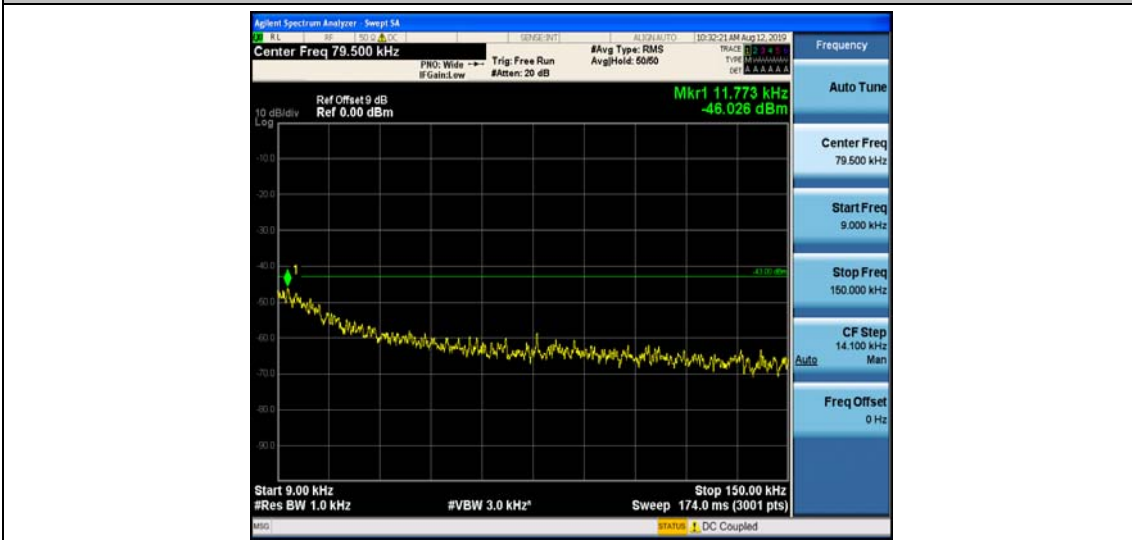
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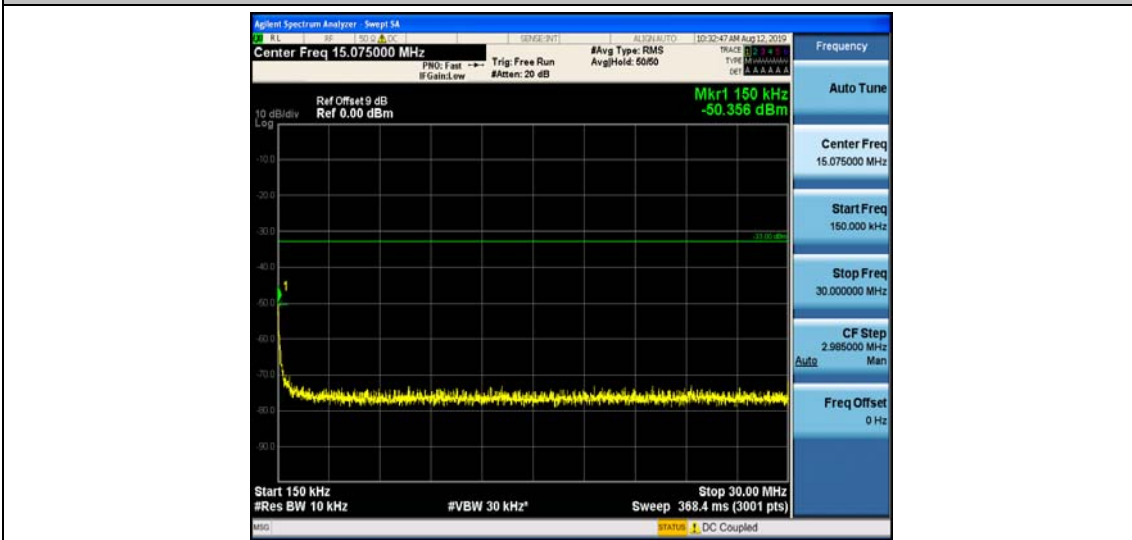
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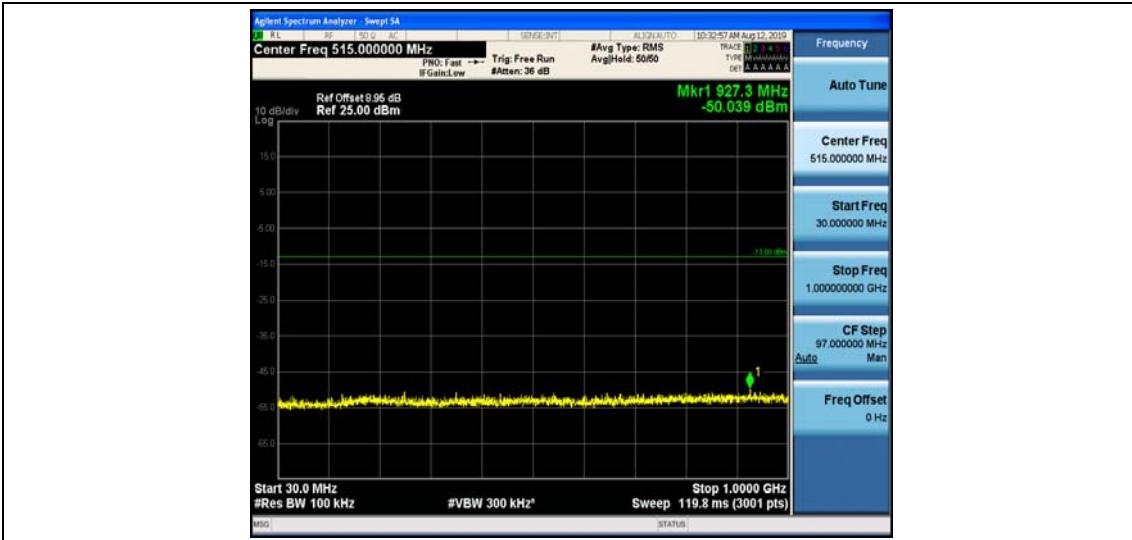
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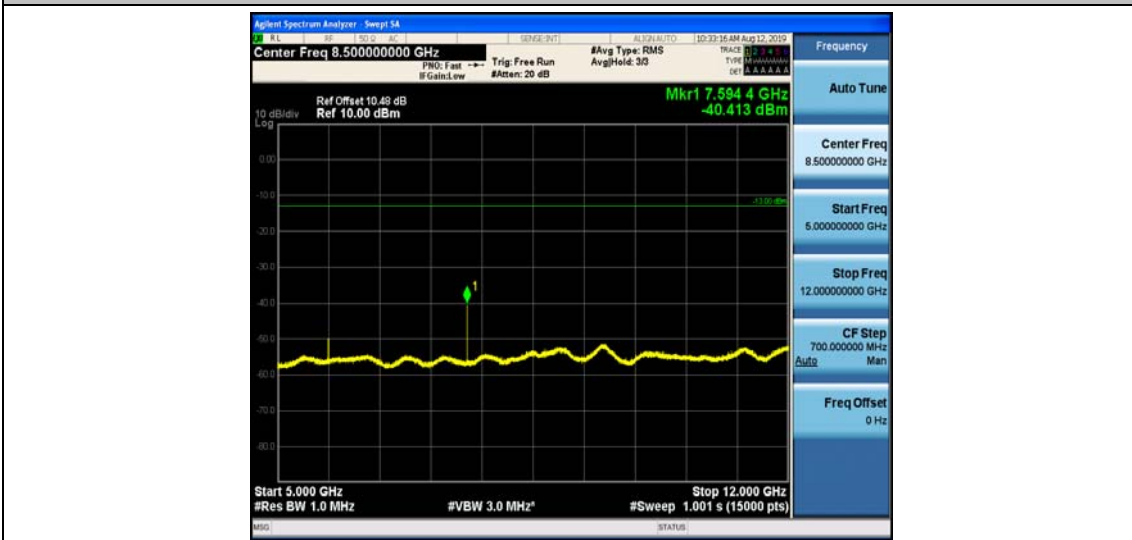
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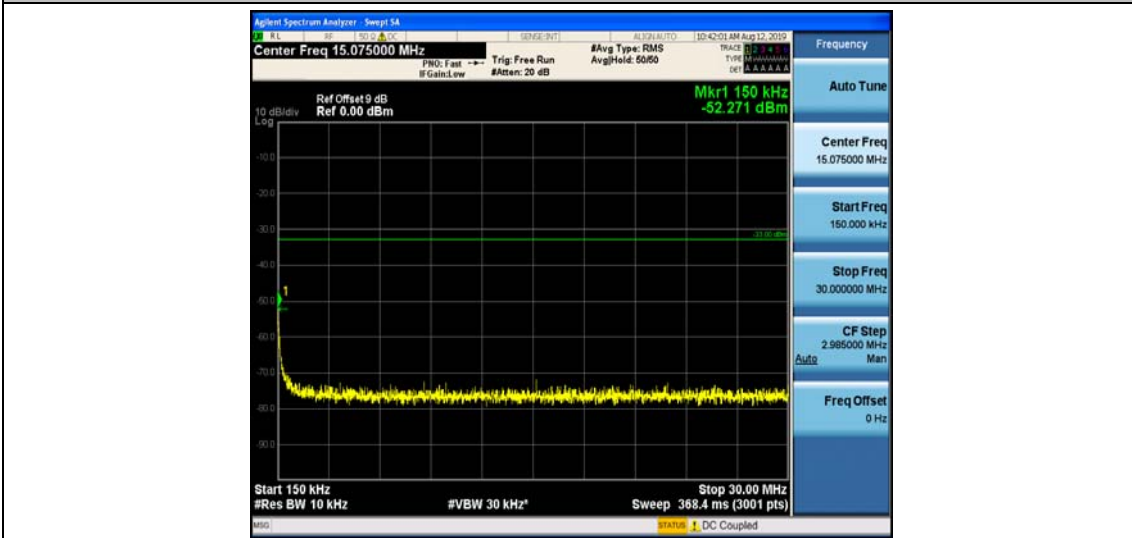
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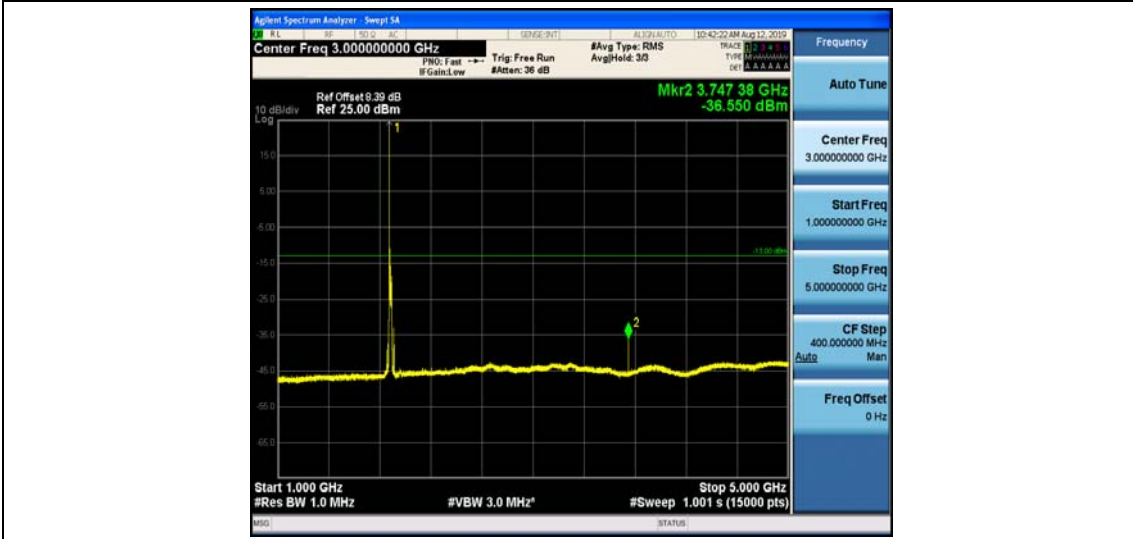
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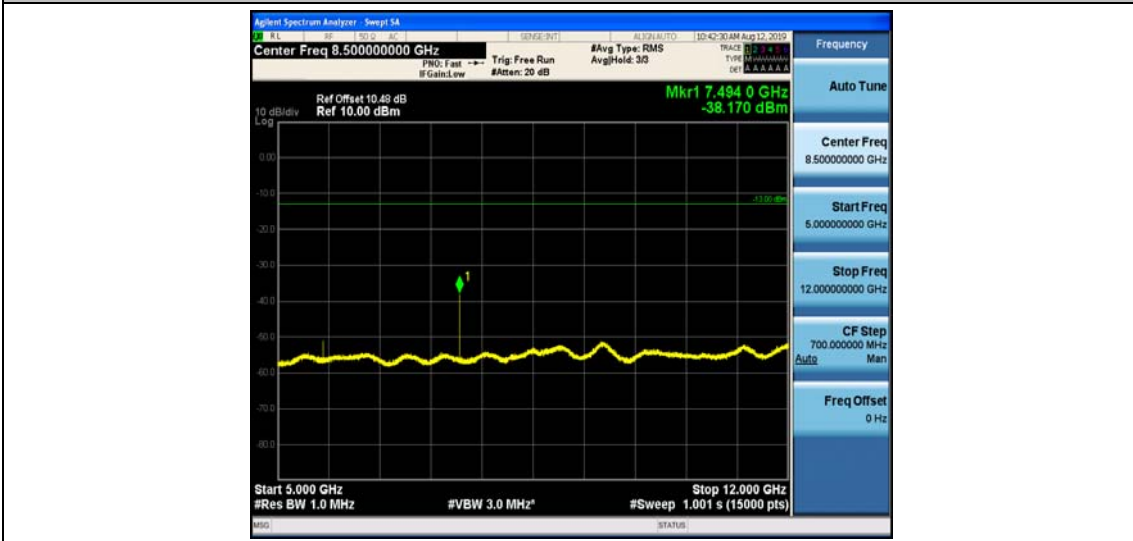
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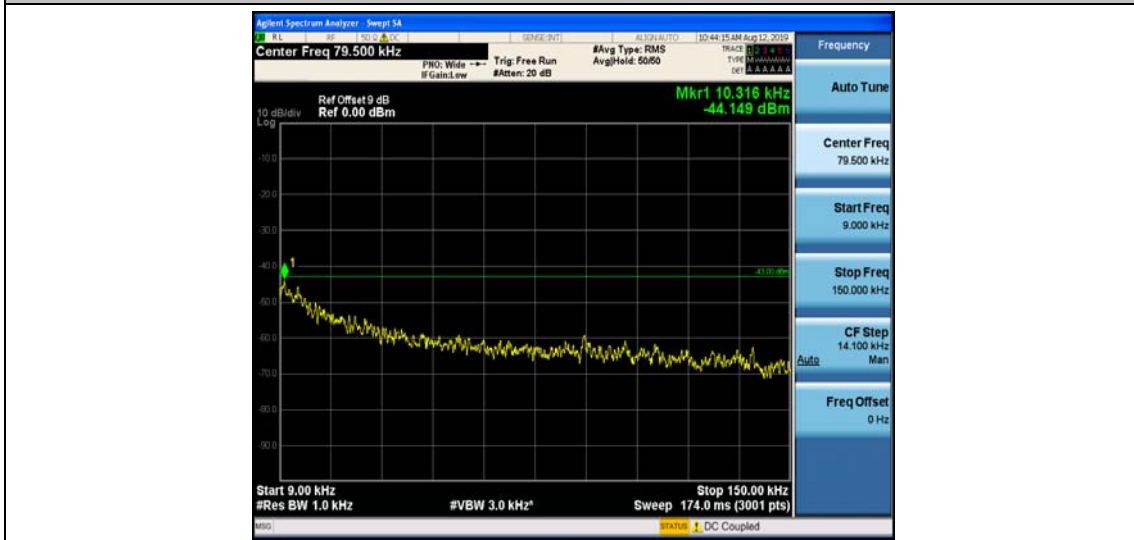
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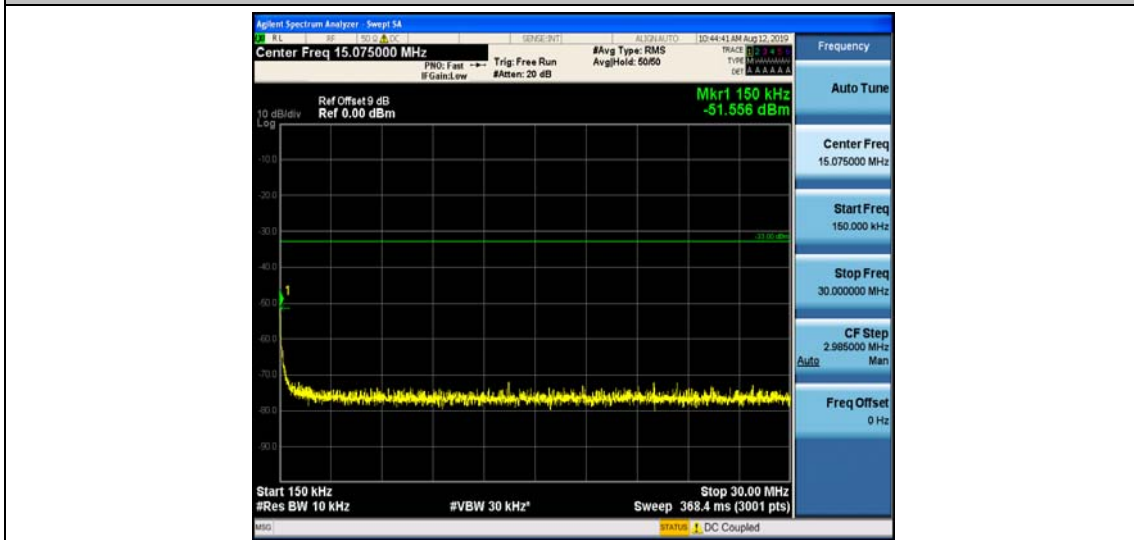
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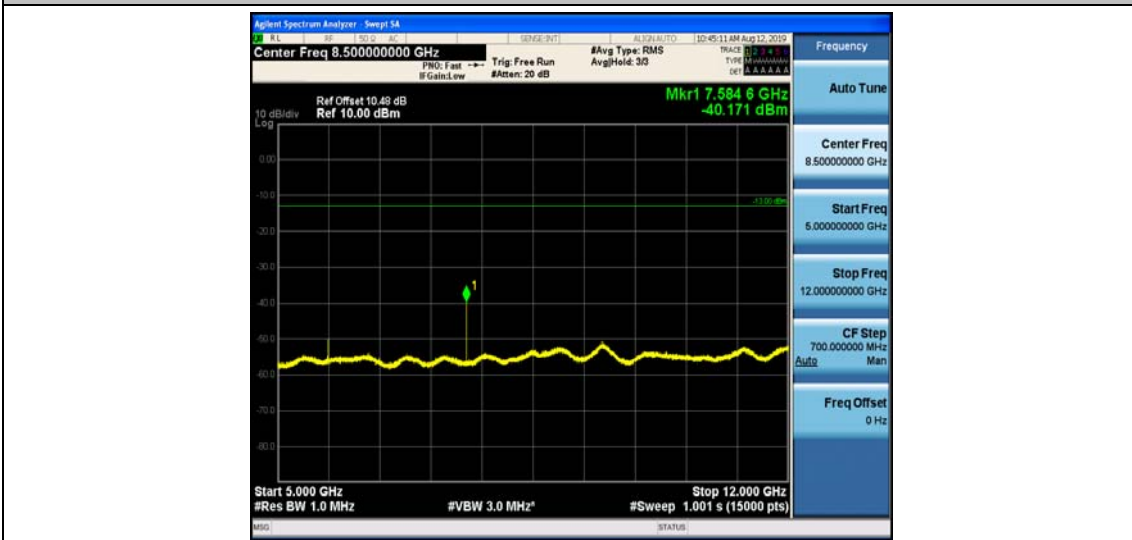
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Band25_20MHz_16QAM_26590_1RB#0



Band25_20MHz_16QAM_26590_1RB#0



Band25_20MHz_16QAM_26590_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	-0.79	-0.000427	± 2.5	PASS
		VN	TN	-0.41	-0.000222	± 2.5	PASS
		VH	TN	1.42	0.000767	± 2.5	PASS
	MCH	VL	TN	-1.29	-0.000685	± 2.5	PASS
		VN	TN	1.14	0.000606	± 2.5	PASS
		VH	TN	-0.3	-0.000159	± 2.5	PASS
	HCH	VL	TN	4.42	0.002309	± 2.5	PASS
		VN	TN	2.06	0.001076	± 2.5	PASS
		VH	TN	2.86	0.001494	± 2.5	PASS
16QAM	LCH	VL	TN	4.45	0.002404	± 2.5	PASS
		VN	TN	0.85	0.000459	± 2.5	PASS
		VH	TN	3.62	0.001956	± 2.5	PASS
	MCH	VL	TN	-1.42	-0.000754	± 2.5	PASS
		VN	TN	1.04	0.000552	± 2.5	PASS
		VH	TN	-0.09	-0.000048	± 2.5	PASS
	HCH	VL	TN	3.76	0.001969	± 2.5	PASS
		VN	TN	0.37	0.000194	± 2.5	PASS
		VH	TN	4.49	0.002352	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.3	0.001783	± 2.5	PASS
		VN	-20	2.23	0.001205	± 2.5	PASS
		VN	-10	-0.69	-0.000373	± 2.5	PASS
		VN	0	0.52	0.000281	± 2.5	PASS
		VN	10	3.65	0.001972	± 2.5	PASS
		VN	20	1.47	0.000794	± 2.5	PASS
		VN	30	4.76	0.002572	± 2.5	PASS
		VN	40	4.5	0.002432	± 2.5	PASS
	MCH	VN	-30	0.27	0.000143	± 2.5	PASS
		VN	-20	4.07	0.002162	± 2.5	PASS

		VN	-10	-1.02	-0.000542	± 2.5	PASS		
		VN	0	3.18	0.001689	± 2.5	PASS		
		VN	10	-1.09	-0.000579	± 2.5	PASS		
		VN	20	3	0.001594	± 2.5	PASS		
		VN	30	-1.59	-0.000845	± 2.5	PASS		
		VN	40	3.87	0.002056	± 2.5	PASS		
		VN	50	-1.5	-0.000797	± 2.5	PASS		
	HCH	VN	-30	2.25	0.001175	± 2.5	PASS		
		VN	-20	1.97	0.001029	± 2.5	PASS		
		VN	-10	2	0.001045	± 2.5	PASS		
		VN	0	1.83	0.000956	± 2.5	PASS		
		VN	10	-0.14	-0.000073	± 2.5	PASS		
		VN	20	0.76	0.000397	± 2.5	PASS		
		VN	30	0.67	0.000350	± 2.5	PASS		
		VN	40	2.51	0.001311	± 2.5	PASS		
		VN	50	-0.85	-0.000444	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.81	0.002599	± 2.5	PASS
				VN	-20	-0.41	-0.000222	± 2.5	PASS
VN	-10			-0.6	-0.000324	± 2.5	PASS		
VN	0			3.83	0.002069	± 2.5	PASS		
VN	10			-1.05	-0.000567	± 2.5	PASS		
VN	20			3.6	0.001945	± 2.5	PASS		
VN	30			4.73	0.002556	± 2.5	PASS		
VN	40			0.77	0.000416	± 2.5	PASS		
VN	50			-0.69	-0.000373	± 2.5	PASS		
MCH	VN		-30	-0.58	-0.000308	± 2.5	PASS		
	VN		-20	2.2	0.001169	± 2.5	PASS		
	VN		-10	3.77	0.002003	± 2.5	PASS		
	VN		0	4.13	0.002194	± 2.5	PASS		
	VN		10	2.25	0.001195	± 2.5	PASS		
	VN		20	4.32	0.002295	± 2.5	PASS		
	VN		30	3.51	0.001865	± 2.5	PASS		
	VN		40	4.67	0.002481	± 2.5	PASS		
	VN		50	2.89	0.001535	± 2.5	PASS		
HCH	VN		-30	2.93	0.001531	± 2.5	PASS		
	VN		-20	1.59	0.000831	± 2.5	PASS		
	VN		-10	-0.54	-0.000282	± 2.5	PASS		
	VN		0	1.72	0.000899	± 2.5	PASS		
	VN		10	0.44	0.000230	± 2.5	PASS		
	VN		20	4.04	0.002110	± 2.5	PASS		
	VN		30	1.9	0.000993	± 2.5	PASS		

		VN	40	4.37	0.002283	± 2.5	PASS
		VN	50	-1.74	-0.000909	± 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	2.21	0.001194	± 2.5	PASS
		VN	TN	3.67	0.001982	± 2.5	PASS
		VH	TN	-0.8	-0.000432	± 2.5	PASS
	MCH	VL	TN	4.05	0.002151	± 2.5	PASS
		VN	TN	0.05	0.000027	± 2.5	PASS
		VH	TN	4.11	0.002183	± 2.5	PASS
	HCH	VL	TN	-1.09	-0.000570	± 2.5	PASS
		VN	TN	-0.34	-0.000178	± 2.5	PASS
		VH	TN	2.3	0.001202	± 2.5	PASS
16QAM	LCH	VL	TN	1.22	0.000659	± 2.5	PASS
		VN	TN	-1.37	-0.000740	± 2.5	PASS
		VH	TN	3.23	0.001745	± 2.5	PASS
	MCH	VL	TN	2.33	0.001238	± 2.5	PASS
		VN	TN	-0.36	-0.000191	± 2.5	PASS
		VH	TN	1.05	0.000558	± 2.5	PASS
	HCH	VL	TN	-1.07	-0.000559	± 2.5	PASS
		VN	TN	2.62	0.001369	± 2.5	PASS
		VH	TN	-0.38	-0.000199	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.85	0.002079	± 2.5	PASS
		VN	-20	2.84	0.001534	± 2.5	PASS
		VN	-10	3.96	0.002139	± 2.5	PASS
		VN	0	-0.82	-0.000443	± 2.5	PASS
		VN	10	4.8	0.002592	± 2.5	PASS
		VN	20	-1.81	-0.000978	± 2.5	PASS
		VN	30	0.96	0.000518	± 2.5	PASS
		VN	40	4.13	0.002231	± 2.5	PASS
		VN	50	-0.92	-0.000497	± 2.5	PASS
	MCH	VN	-30	3.87	0.002056	± 2.5	PASS
		VN	-20	1.75	0.000930	± 2.5	PASS
		VN	-10	4.14	0.002199	± 2.5	PASS

		VN	0	-0.29	-0.000154	± 2.5	PASS		
		VN	10	-0.99	-0.000526	± 2.5	PASS		
		VN	20	-1.76	-0.000935	± 2.5	PASS		
		VN	30	3.93	0.002088	± 2.5	PASS		
		VN	40	3.44	0.001827	± 2.5	PASS		
		VN	50	-0.76	-0.000404	± 2.5	PASS		
	HCH	VN	-30	-1.29	-0.000674	± 2.5	PASS		
		VN	-20	4.44	0.002320	± 2.5	PASS		
		VN	-10	2.31	0.001207	± 2.5	PASS		
		VN	0	-0.99	-0.000517	± 2.5	PASS		
		VN	10	1.24	0.000648	± 2.5	PASS		
		VN	20	-1.23	-0.000643	± 2.5	PASS		
		VN	30	0.41	0.000214	± 2.5	PASS		
		VN	40	1.57	0.000820	± 2.5	PASS		
		VN	50	2.25	0.001176	± 2.5	PASS		
		QPSK	LCH	VN	-30	2.95	0.001593	± 2.5	PASS
				VN	-20	-0.64	-0.000346	± 2.5	PASS
				VN	-10	0.17	0.000092	± 2.5	PASS
VN	0			5	0.002701	± 2.5	PASS		
VN	10			2.62	0.001415	± 2.5	PASS		
VN	20			0.64	0.000346	± 2.5	PASS		
VN	30			0.92	0.000497	± 2.5	PASS		
VN	40			-1.4	-0.000756	± 2.5	PASS		
VN	50			3.8	0.002052	± 2.5	PASS		
MCH	VN		-30	2.3	0.001222	± 2.5	PASS		
	VN		-20	0.69	0.000367	± 2.5	PASS		
	VN		-10	-0.55	-0.000292	± 2.5	PASS		
	VN		0	-0.25	-0.000133	± 2.5	PASS		
	VN		10	2.13	0.001131	± 2.5	PASS		
	VN		20	-0.17	-0.000090	± 2.5	PASS		
	VN		30	4.07	0.002162	± 2.5	PASS		
	VN		40	4.76	0.002529	± 2.5	PASS		
	VN		50	3.81	0.002024	± 2.5	PASS		
HCH	VN		-30	-1.56	-0.000815	± 2.5	PASS		
	VN		-20	1.95	0.001019	± 2.5	PASS		
	VN		-10	0.6	0.000314	± 2.5	PASS		
	VN		0	0.33	0.000172	± 2.5	PASS		
	VN		10	4.1	0.002143	± 2.5	PASS		
	VN		20	0.65	0.000340	± 2.5	PASS		
	VN		30	1.56	0.000815	± 2.5	PASS		
	VN		40	0.01	0.000005	± 2.5	PASS		

		VN	50	0.13	0.000068	± 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	-1.17	-0.000632	± 2.5	PASS
		VN	TN	0.97	0.000524	± 2.5	PASS
		VH	TN	-1.43	-0.000772	± 2.5	PASS
	MCH	VL	TN	1.5	0.000797	± 2.5	PASS
		VN	TN	-0.66	-0.000351	± 2.5	PASS
		VH	TN	4.86	0.002582	± 2.5	PASS
	HCH	VL	TN	2.22	0.001161	± 2.5	PASS
		VN	TN	2.41	0.001260	± 2.5	PASS
		VH	TN	3.14	0.001642	± 2.5	PASS
16QAM	LCH	VL	TN	-1.24	-0.000669	± 2.5	PASS
		VN	TN	0.15	0.000081	± 2.5	PASS
		VH	TN	4.55	0.002456	± 2.5	PASS
	MCH	VL	TN	3.67	0.001950	± 2.5	PASS
		VN	TN	5	0.002656	± 2.5	PASS
		VH	TN	4.96	0.002635	± 2.5	PASS
	HCH	VL	TN	-0.52	-0.000272	± 2.5	PASS
		VN	TN	0.89	0.000465	± 2.5	PASS
		VH	TN	3.28	0.001715	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.77	0.000955	± 2.5	PASS
		VN	-20	3.87	0.002089	± 2.5	PASS
		VN	-10	2.39	0.001290	± 2.5	PASS
		VN	0	-0.41	-0.000221	± 2.5	PASS
		VN	10	0.26	0.000140	± 2.5	PASS
		VN	20	1.42	0.000767	± 2.5	PASS
		VN	30	1.42	0.000767	± 2.5	PASS
		VN	40	2.92	0.001576	± 2.5	PASS
		VN	50	4.96	0.002677	± 2.5	PASS
	MCH	VN	-30	-1.06	-0.000563	± 2.5	PASS
		VN	-20	3.89	0.002066	± 2.5	PASS
		VN	-10	1.91	0.001015	± 2.5	PASS
		VN	0	2.27	0.001206	± 2.5	PASS

		VN	10	3.18	0.001689	± 2.5	PASS
		VN	20	0.21	0.000112	± 2.5	PASS
		VN	30	1.25	0.000664	± 2.5	PASS
		VN	40	2.44	0.001296	± 2.5	PASS
		VN	50	3.35	0.001780	± 2.5	PASS
	HCH	VN	-30	1.36	0.000711	± 2.5	PASS
		VN	-20	-0.27	-0.000141	± 2.5	PASS
		VN	-10	0.44	0.000230	± 2.5	PASS
		VN	0	4.75	0.002484	± 2.5	PASS
		VN	10	3.6	0.001882	± 2.5	PASS
		VN	20	3.53	0.001846	± 2.5	PASS
		VN	30	2.24	0.001171	± 2.5	PASS
		VN	40	4.55	0.002379	± 2.5	PASS
		VN	50	4.41	0.002306	± 2.5	PASS
		16QAM	LCH	VN	-30	0.1	0.000054
VN	-20			2.46	0.001328	± 2.5	PASS
VN	-10			-1.78	-0.000961	± 2.5	PASS
VN	0			4.12	0.002224	± 2.5	PASS
VN	10			2.41	0.001301	± 2.5	PASS
VN	20			0.31	0.000167	± 2.5	PASS
VN	30			4.49	0.002424	± 2.5	PASS
VN	40			-0.74	-0.000399	± 2.5	PASS
VN	50			-0.36	-0.000194	± 2.5	PASS
MCH	VN		-30	1.91	0.001015	± 2.5	PASS
	VN		-20	1.45	0.000770	± 2.5	PASS
	VN		-10	-1.41	-0.000749	± 2.5	PASS
	VN		0	-0.67	-0.000356	± 2.5	PASS
	VN		10	0.28	0.000149	± 2.5	PASS
	VN		20	4.92	0.002614	± 2.5	PASS
	VN		30	1.82	0.000967	± 2.5	PASS
	VN		40	5	0.002656	± 2.5	PASS
	VN		50	-1.24	-0.000659	± 2.5	PASS
HCH	VN		-30	0.34	0.000178	± 2.5	PASS
	VN		-20	4.41	0.002306	± 2.5	PASS
	VN		-10	3.57	0.001867	± 2.5	PASS
	VN		0	3.37	0.001762	± 2.5	PASS
	VN		10	3.43	0.001793	± 2.5	PASS
	VN		20	-0.19	-0.000099	± 2.5	PASS
	VN		30	-0.61	-0.000319	± 2.5	PASS
	VN		40	3.98	0.002081	± 2.5	PASS
	VN		50	3.93	0.002055	± 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	1.78	0.000960	± 2.5	PASS
		VN	TN	-0.5	-0.000270	± 2.5	PASS
		VH	TN	0.04	0.000022	± 2.5	PASS
	MCH	VL	TN	-0.16	-0.000085	± 2.5	PASS
		VN	TN	1.25	0.000664	± 2.5	PASS
		VH	TN	-0.38	-0.000202	± 2.5	PASS
	HCH	VL	TN	4.29	0.002246	± 2.5	PASS
		VN	TN	4.03	0.002110	± 2.5	PASS
		VH	TN	0.99	0.000518	± 2.5	PASS
16QAM	LCH	VL	TN	3.98	0.002146	± 2.5	PASS
		VN	TN	4.6	0.002480	± 2.5	PASS
		VH	TN	-1.77	-0.000954	± 2.5	PASS
	MCH	VL	TN	3.88	0.002061	± 2.5	PASS
		VN	TN	1.74	0.000924	± 2.5	PASS
		VH	TN	0.38	0.000202	± 2.5	PASS
	HCH	VL	TN	4.14	0.002168	± 2.5	PASS
		VN	TN	4.89	0.002560	± 2.5	PASS
		VH	TN	-1.13	-0.000592	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	4.31	0.002323	± 2.5	PASS
		VN	-20	2.45	0.001321	± 2.5	PASS
		VN	-10	4.88	0.002631	± 2.5	PASS
		VN	0	2.19	0.001181	± 2.5	PASS
		VN	10	3.66	0.001973	± 2.5	PASS
		VN	20	4.93	0.002658	± 2.5	PASS
		VN	30	4.91	0.002647	± 2.5	PASS
		VN	40	0.89	0.000480	± 2.5	PASS
	MCH	VN	50	1.79	0.000965	± 2.5	PASS
		VN	-30	1.11	0.000590	± 2.5	PASS
		VN	-20	3.65	0.001939	± 2.5	PASS
		VN	-10	1.79	0.000951	± 2.5	PASS
		VN	0	3.88	0.002061	± 2.5	PASS
		VN	10	-1.32	-0.000701	± 2.5	PASS
VN	20	4.15	0.002205	± 2.5	PASS		

		VN	30	4.51	0.002396	± 2.5	PASS
		VN	40	-0.87	-0.000462	± 2.5	PASS
		VN	50	0.09	0.000048	± 2.5	PASS
	HCH	VN	-30	0.64	0.000335	± 2.5	PASS
		VN	-20	2.82	0.001476	± 2.5	PASS
		VN	-10	3.05	0.001597	± 2.5	PASS
		VN	0	-1.06	-0.000555	± 2.5	PASS
		VN	10	3.94	0.002063	± 2.5	PASS
		VN	20	1.62	0.000848	± 2.5	PASS
		VN	30	3.05	0.001597	± 2.5	PASS
		VN	40	0.09	0.000047	± 2.5	PASS
		VN	50	4.37	0.002288	± 2.5	PASS
QPSK	LCH	VN	-30	2.23	0.001202	± 2.5	PASS
		VN	-20	2.93	0.001580	± 2.5	PASS
		VN	-10	1.93	0.001040	± 2.5	PASS
		VN	0	2.02	0.001089	± 2.5	PASS
		VN	10	-0.18	-0.000097	± 2.5	PASS
		VN	20	0.13	0.000070	± 2.5	PASS
		VN	30	4.59	0.002474	± 2.5	PASS
		VN	40	0.75	0.000404	± 2.5	PASS
		VN	50	2.91	0.001569	± 2.5	PASS
	MCH	VN	-30	3.92	0.002082	± 2.5	PASS
		VN	-20	2.44	0.001296	± 2.5	PASS
		VN	-10	2.88	0.001530	± 2.5	PASS
		VN	0	3.34	0.001774	± 2.5	PASS
		VN	10	-0.06	-0.000032	± 2.5	PASS
		VN	20	-1.62	-0.000861	± 2.5	PASS
		VN	30	1.53	0.000813	± 2.5	PASS
		VN	40	1.98	0.001052	± 2.5	PASS
		VN	50	1.11	0.000590	± 2.5	PASS
	HCH	VN	-30	-0.12	-0.000063	± 2.5	PASS
		VN	-20	4.58	0.002398	± 2.5	PASS
		VN	-10	2.23	0.001168	± 2.5	PASS
		VN	0	-1.22	-0.000639	± 2.5	PASS
		VN	10	3.31	0.001733	± 2.5	PASS
		VN	20	1.09	0.000571	± 2.5	PASS
		VN	30	3.65	0.001911	± 2.5	PASS
		VN	40	-0.11	-0.000058	± 2.5	PASS
		VN	50	4.77	0.002497	± 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	1.29	0.000694	± 2.5	PASS
		VN	TN	1.57	0.000845	± 2.5	PASS
		VH	TN	2.47	0.001330	± 2.5	PASS
	MCH	VL	TN	0.87	0.000462	± 2.5	PASS
		VN	TN	-1.9	-0.001009	± 2.5	PASS
		VH	TN	3.1	0.001647	± 2.5	PASS
	HCH	VL	TN	-1.83	-0.000959	± 2.5	PASS
		VN	TN	-1.25	-0.000655	± 2.5	PASS
		VH	TN	4.13	0.002165	± 2.5	PASS
16QAM	LCH	VL	TN	1.23	0.000662	± 2.5	PASS
		VN	TN	0.22	0.000118	± 2.5	PASS
		VH	TN	3.39	0.001825	± 2.5	PASS
	MCH	VL	TN	0.64	0.000340	± 2.5	PASS
		VN	TN	0.17	0.000090	± 2.5	PASS
		VH	TN	3.03	0.001610	± 2.5	PASS
	HCH	VL	TN	2.09	0.001096	± 2.5	PASS
		VN	TN	2.54	0.001332	± 2.5	PASS
		VH	TN	2.34	0.001227	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.88	0.001550	± 2.5	PASS
		VN	-20	-1.92	-0.001034	± 2.5	PASS
		VN	-10	3.38	0.001820	± 2.5	PASS
		VN	0	2.28	0.001227	± 2.5	PASS
		VN	10	-0.66	-0.000355	± 2.5	PASS
		VN	20	4.73	0.002546	± 2.5	PASS
		VN	30	4.46	0.002401	± 2.5	PASS
		VN	40	-1.66	-0.000894	± 2.5	PASS
		VN	50	-1.48	-0.000797	± 2.5	PASS
	MCH	VN	-30	-0.45	-0.000239	± 2.5	PASS
		VN	-20	4.32	0.002295	± 2.5	PASS
		VN	-10	3.32	0.001764	± 2.5	PASS
		VN	0	0.88	0.000467	± 2.5	PASS
		VN	10	1.71	0.000908	± 2.5	PASS
		VN	20	4.21	0.002236	± 2.5	PASS

	VN	30	2.16	0.001147	± 2.5	PASS	
		40	-0.07	-0.000037	± 2.5	PASS	
		50	-1.22	-0.000648	± 2.5	PASS	
	HCH	VN	-30	2.38	0.001248	± 2.5	PASS
		VN	-20	0.2	0.000105	± 2.5	PASS
		VN	-10	-0.03	-0.000016	± 2.5	PASS
		VN	0	1.25	0.000655	± 2.5	PASS
		VN	10	-0.09	-0.000047	± 2.5	PASS
		VN	20	2.83	0.001484	± 2.5	PASS
		VN	30	-0.16	-0.000084	± 2.5	PASS
		VN	40	0.3	0.000157	± 2.5	PASS
		VN	50	1.13	0.000592	± 2.5	PASS
QPSK	LCH	VN	-30	0.83	0.000447	± 2.5	PASS
		VN	-20	2.48	0.001335	± 2.5	PASS
		VN	-10	-1.66	-0.000894	± 2.5	PASS
		VN	0	4.67	0.002514	± 2.5	PASS
		VN	10	0.08	0.000043	± 2.5	PASS
		VN	20	4.67	0.002514	± 2.5	PASS
		VN	30	1.77	0.000953	± 2.5	PASS
		VN	40	2.42	0.001303	± 2.5	PASS
		VN	50	-0.77	-0.000415	± 2.5	PASS
	MCH	VN	-30	-0.94	-0.000499	± 2.5	PASS
		VN	-20	1.24	0.000659	± 2.5	PASS
		VN	-10	3.91	0.002077	± 2.5	PASS
		VN	0	0.28	0.000149	± 2.5	PASS
		VN	10	0.2	0.000106	± 2.5	PASS
		VN	20	0.15	0.000080	± 2.5	PASS
		VN	30	-0.56	-0.000297	± 2.5	PASS
		VN	40	4.54	0.002412	± 2.5	PASS
		VN	50	-0.63	-0.000335	± 2.5	PASS
	HCH	VN	-30	2.1	0.001101	± 2.5	PASS
		VN	-20	0.69	0.000362	± 2.5	PASS
		VN	-10	2.91	0.001526	± 2.5	PASS
		VN	0	-1.68	-0.000881	± 2.5	PASS
		VN	10	2.1	0.001101	± 2.5	PASS
		VN	20	4.49	0.002354	± 2.5	PASS
VN		30	0.16	0.000084	± 2.5	PASS	
VN		40	-0.42	-0.000220	± 2.5	PASS	
VN	50	-0.62	-0.000325	± 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	4.1	0.002204	± 2.5	PASS
		VN	TN	-0.71	-0.000382	± 2.5	PASS
		VH	TN	-0.79	-0.000425	± 2.5	PASS
	MCH	VL	TN	2.36	0.001254	± 2.5	PASS
		VN	TN	3.32	0.001764	± 2.5	PASS
		VH	TN	4.93	0.002619	± 2.5	PASS
	HCH	VL	TN	2.18	0.001144	± 2.5	PASS
		VN	TN	0.73	0.000383	± 2.5	PASS
		VH	TN	1.49	0.000782	± 2.5	PASS
16QAM	LCH	VL	TN	3.5	0.001882	± 2.5	PASS
		VN	TN	3.09	0.001661	± 2.5	PASS
		VH	TN	-1.5	-0.000806	± 2.5	PASS
	MCH	VL	TN	-0.81	-0.000430	± 2.5	PASS
		VN	TN	-1.56	-0.000829	± 2.5	PASS
		VH	TN	1.27	0.000675	± 2.5	PASS
	HCH	VL	TN	1.76	0.000924	± 2.5	PASS
		VN	TN	1.79	0.000940	± 2.5	PASS
		VH	TN	3.14	0.001648	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.42	0.001839	± 2.5	PASS
		VN	-20	-0.55	-0.000296	± 2.5	PASS
		VN	-10	4.37	0.002349	± 2.5	PASS
		VN	0	1.88	0.001011	± 2.5	PASS
		VN	10	4.08	0.002194	± 2.5	PASS
		VN	20	4.29	0.002306	± 2.5	PASS
		VN	30	0.35	0.000188	± 2.5	PASS
		VN	40	0.96	0.000516	± 2.5	PASS
		VN	50	3.16	0.001699	± 2.5	PASS
	MCH	VN	-30	-0.06	-0.000032	± 2.5	PASS
		VN	-20	-1.13	-0.000601	± 2.5	PASS
		VN	-10	-1.09	-0.000580	± 2.5	PASS
		VN	0	4.23	0.002250	± 2.5	PASS
		VN	10	1.71	0.000910	± 2.5	PASS
		VN	20	4.86	0.002585	± 2.5	PASS

		VN	30	1.92	0.001021	± 2.5	PASS
		VN	40	-0.61	-0.000324	± 2.5	PASS
		VN	50	-1.52	-0.000809	± 2.5	PASS
	HCH	VN	-30	-0.64	-0.000336	± 2.5	PASS
		VN	-20	-0.5	-0.000262	± 2.5	PASS
		VN	-10	-0.97	-0.000509	± 2.5	PASS
		VN	0	4.44	0.002331	± 2.5	PASS
		VN	10	4.32	0.002268	± 2.5	PASS
		VN	20	2.63	0.001381	± 2.5	PASS
		VN	30	2.76	0.001449	± 2.5	PASS
		VN	40	3.61	0.001895	± 2.5	PASS
		VN	50	0.26	0.000136	± 2.5	PASS
QPSK	LCH	VN	-30	4.44	0.002387	± 2.5	PASS
		VN	-20	-0.13	-0.000070	± 2.5	PASS
		VN	-10	2.43	0.001306	± 2.5	PASS
		VN	0	1.74	0.000935	± 2.5	PASS
		VN	10	0.88	0.000473	± 2.5	PASS
		VN	20	1.91	0.001027	± 2.5	PASS
		VN	30	-0.5	-0.000269	± 2.5	PASS
		VN	40	1.29	0.000694	± 2.5	PASS
		VN	50	-1.1	-0.000591	± 2.5	PASS
	MCH	VN	-30	-0.72	-0.000382	± 2.5	PASS
		VN	-20	-0.53	-0.000282	± 2.5	PASS
		VN	-10	3.46	0.001838	± 2.5	PASS
		VN	0	-0.19	-0.000101	± 2.5	PASS
		VN	10	3.97	0.002109	± 2.5	PASS
		VN	20	1.2	0.000637	± 2.5	PASS
		VN	30	-1.66	-0.000882	± 2.5	PASS
		VN	40	1.17	0.000622	± 2.5	PASS
		VN	50	-1.47	-0.000781	± 2.5	PASS
	HCH	VN	-30	0.05	0.000026	± 2.5	PASS
		VN	-20	1.74	0.000913	± 2.5	PASS
		VN	-10	-0.78	-0.000409	± 2.5	PASS
		VN	0	4.48	0.002352	± 2.5	PASS
		VN	10	2.54	0.001333	± 2.5	PASS
		VN	20	2.37	0.001244	± 2.5	PASS
		VN	30	1.8	0.000945	± 2.5	PASS
		VN	40	1.69	0.000887	± 2.5	PASS
		VN	50	2.05	0.001076	± 2.5	PASS