



Band25\_5MHz\_16QAM\_24065\_1RB#0



Band25\_5MHz\_16QAM\_24065\_1RB#0



Band25\_5MHz\_16QAM\_24065\_1RB#0



Band25\_5MHz\_16QAM\_26365\_1RB#0



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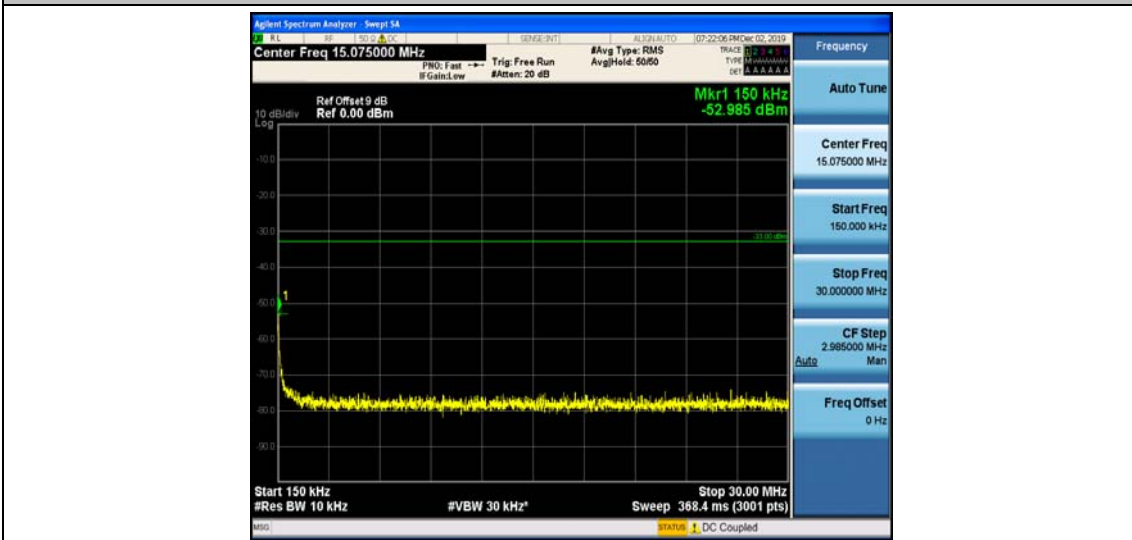
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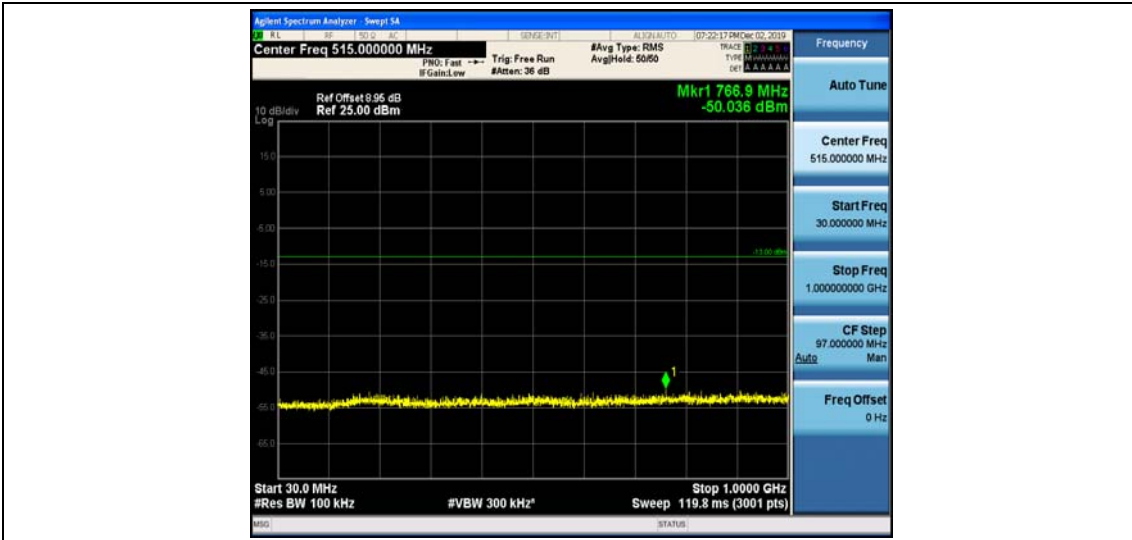
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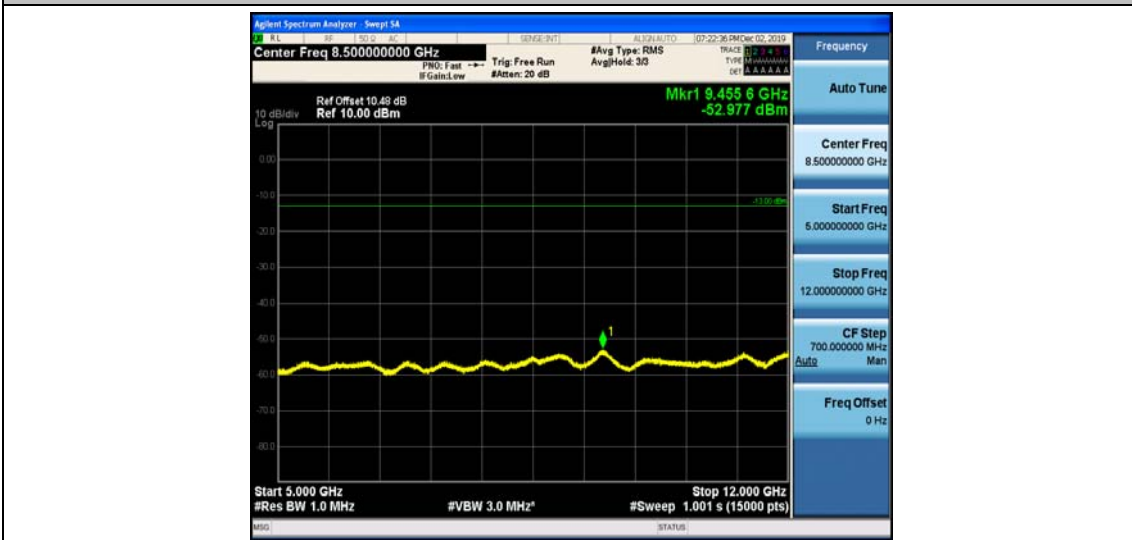
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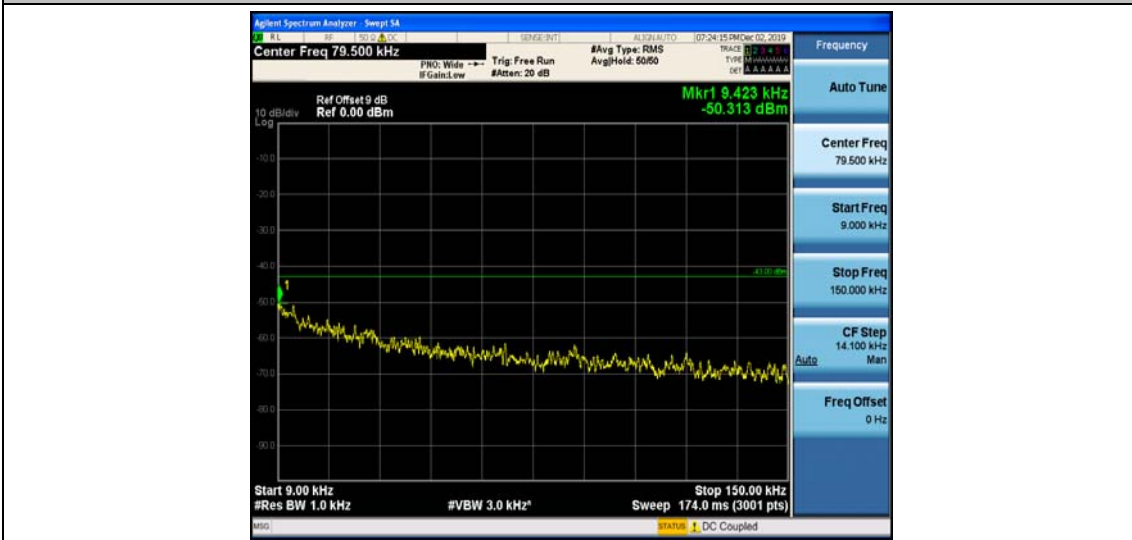
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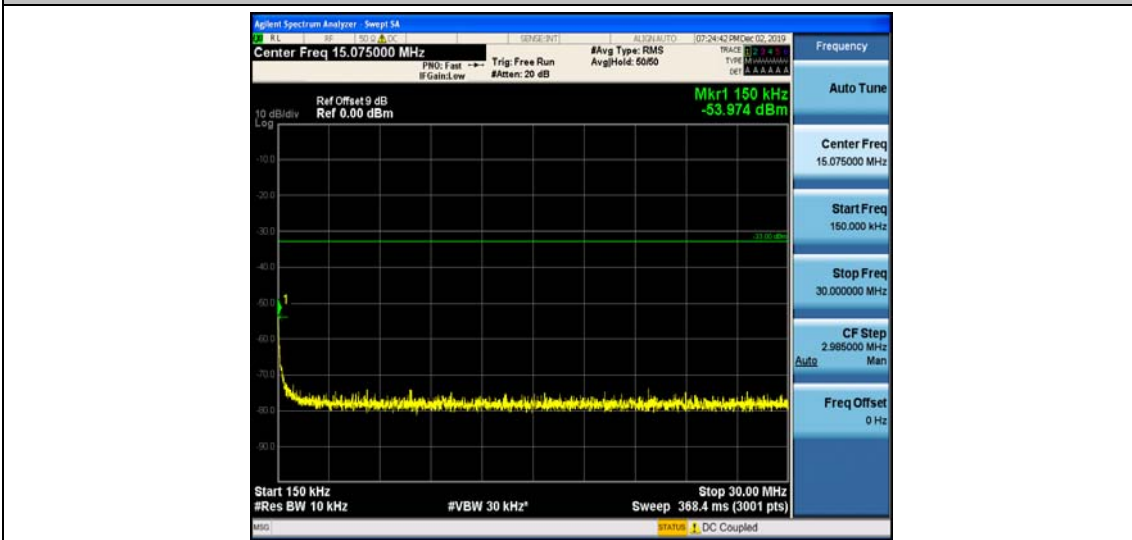
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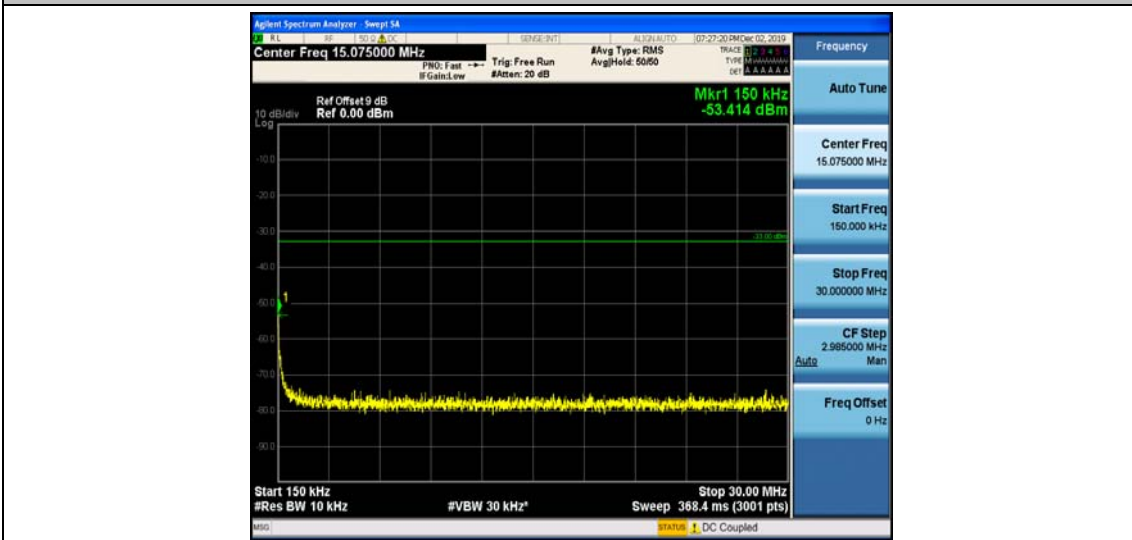
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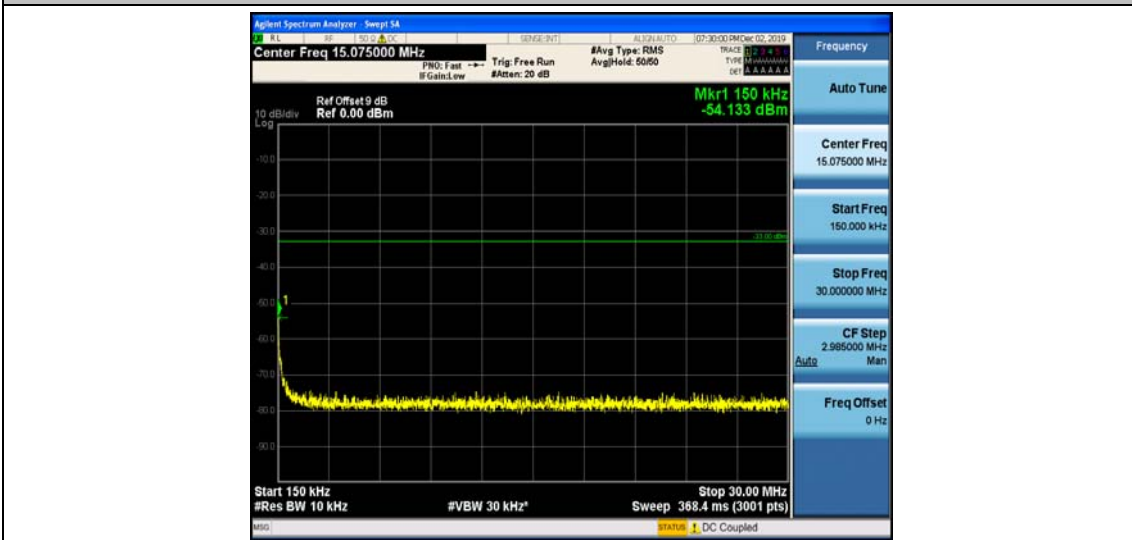
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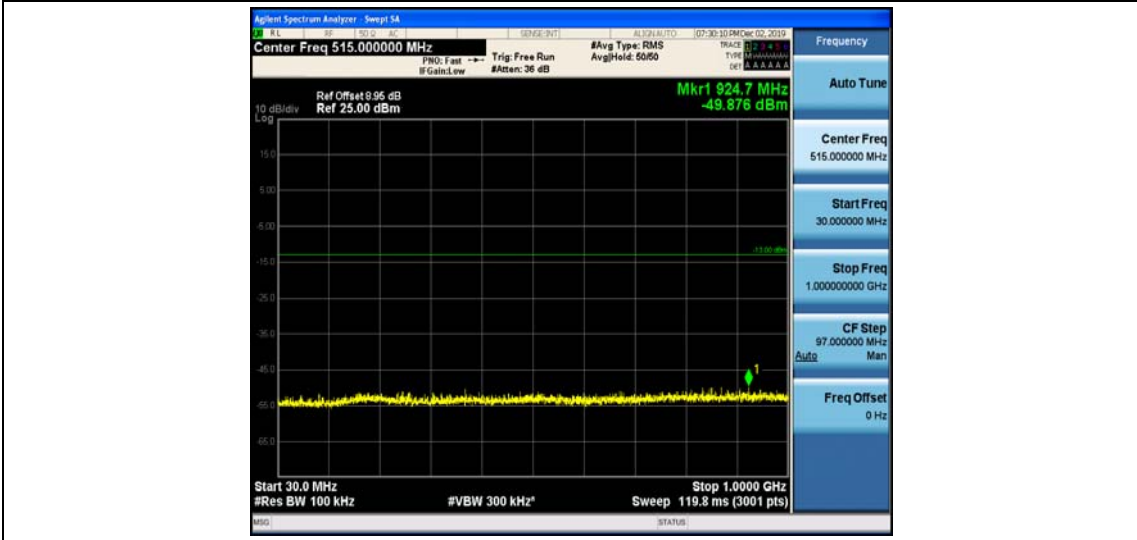
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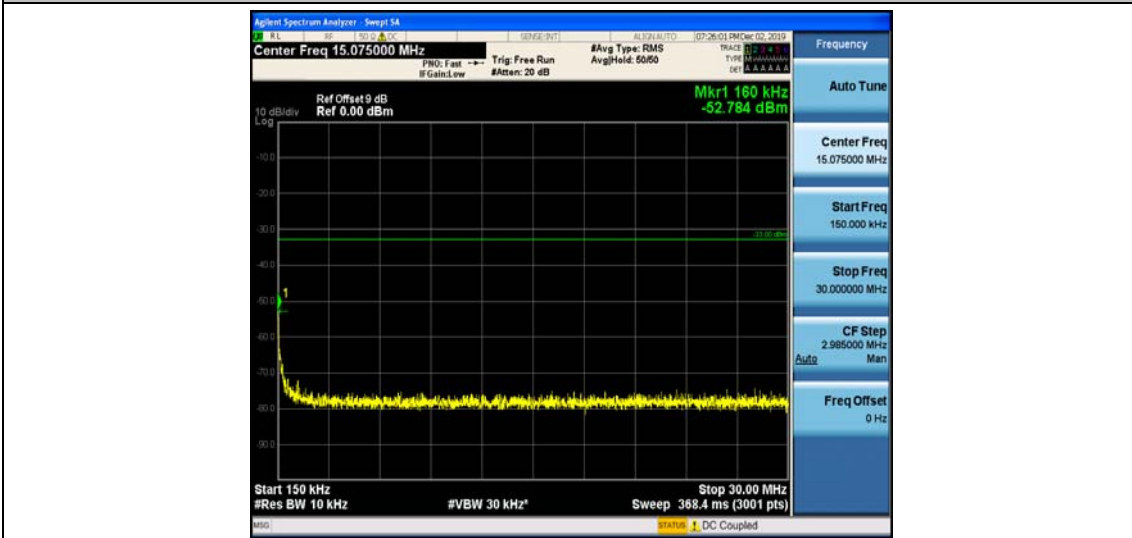
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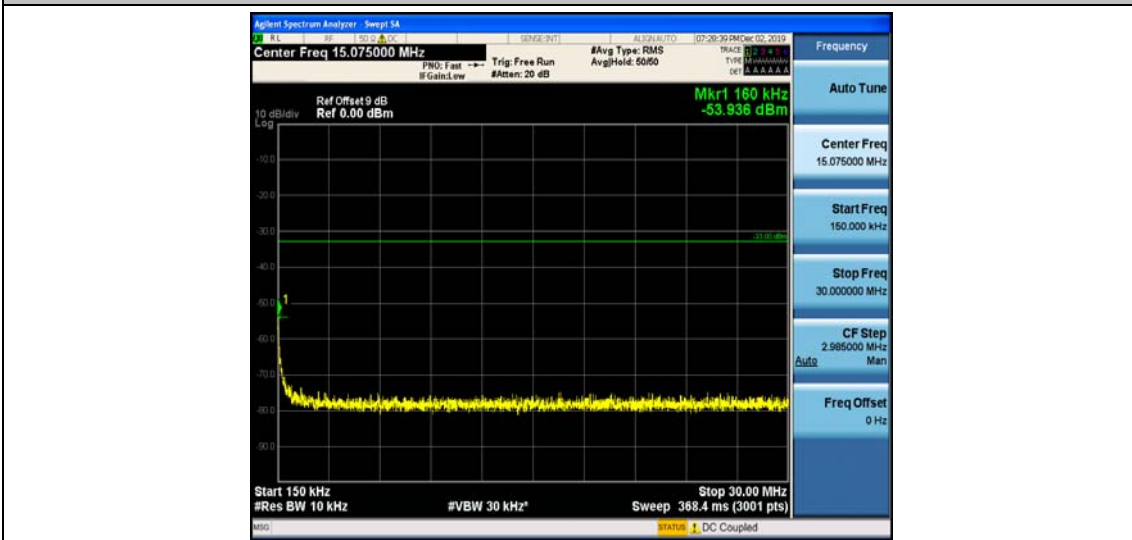
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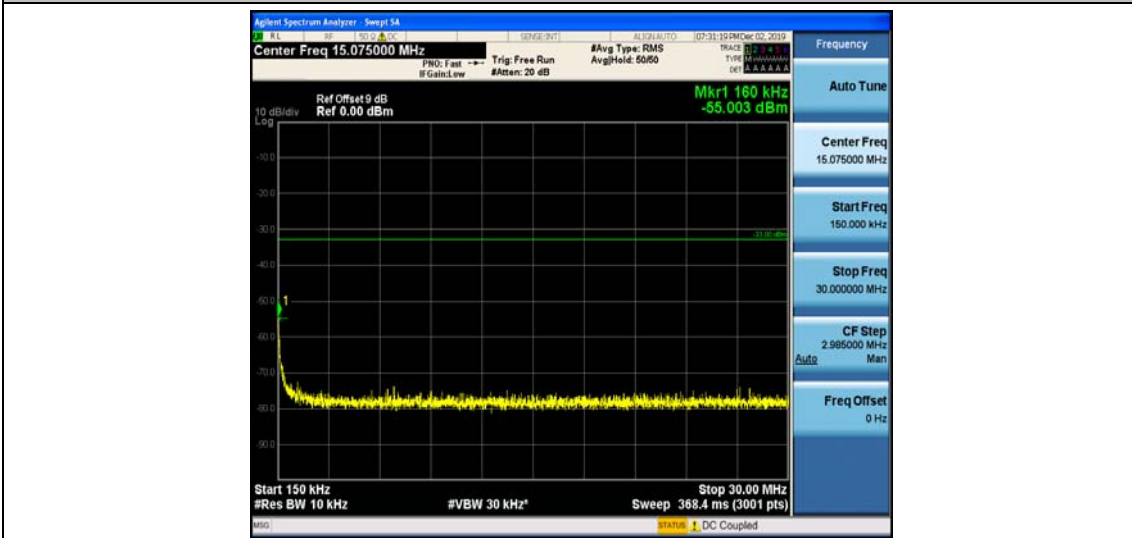
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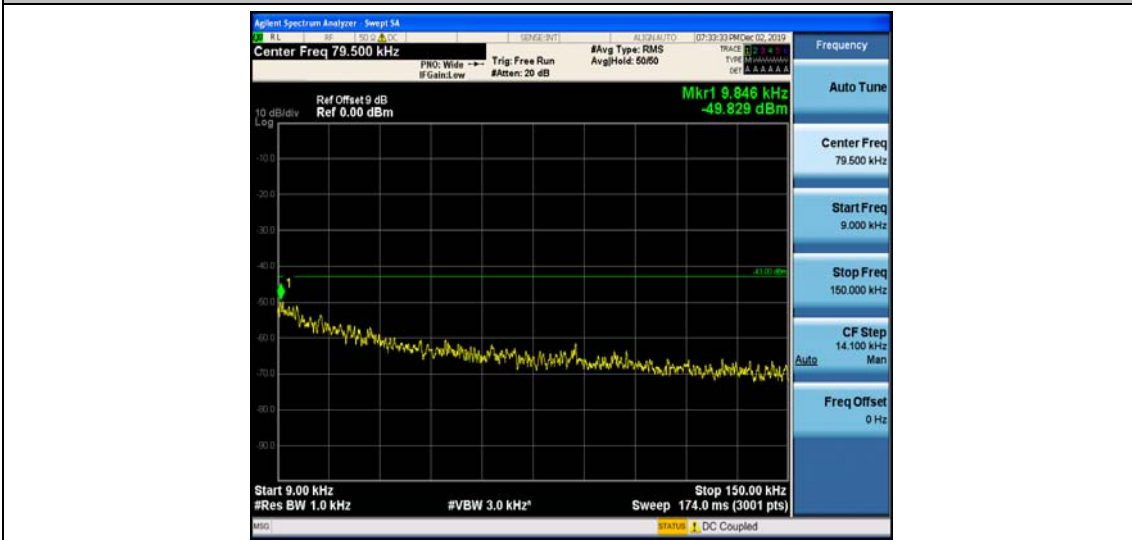
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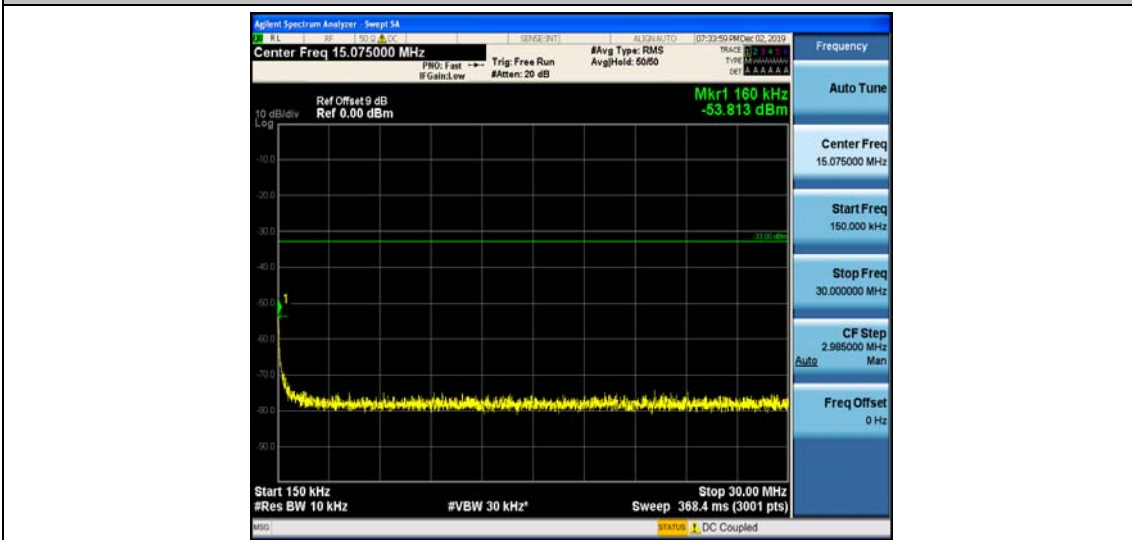
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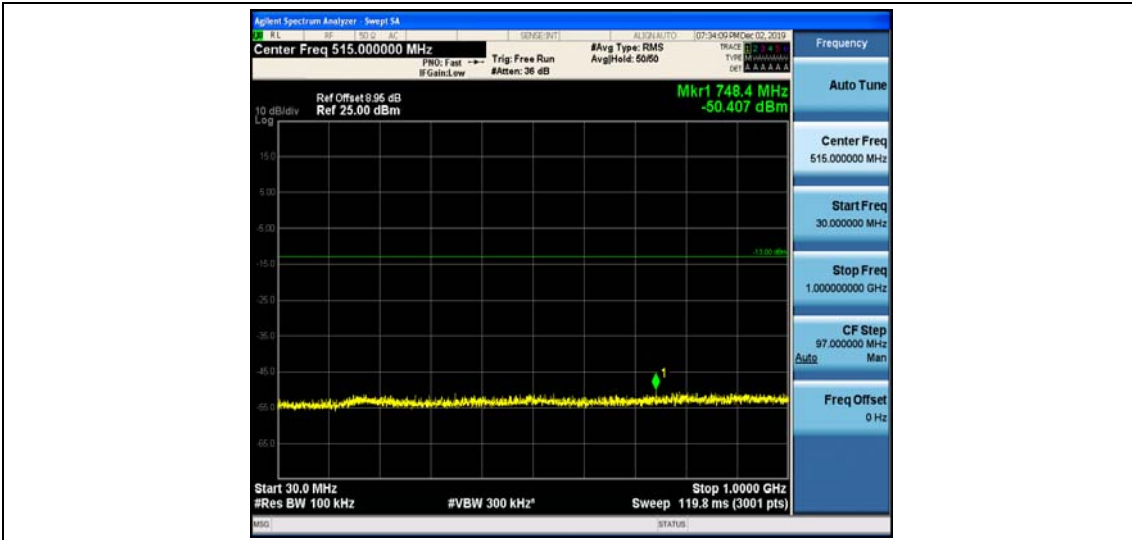
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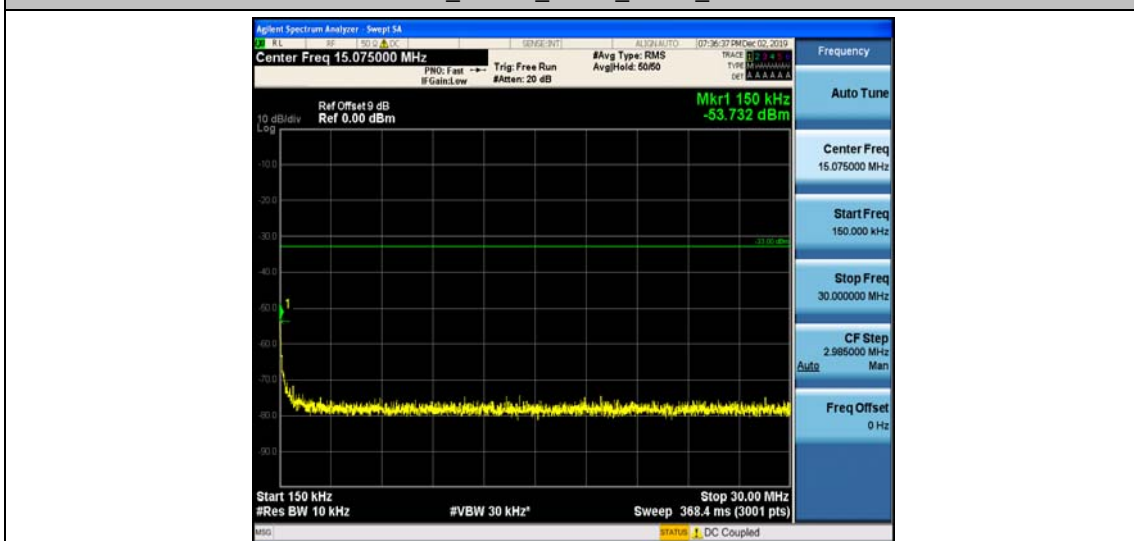
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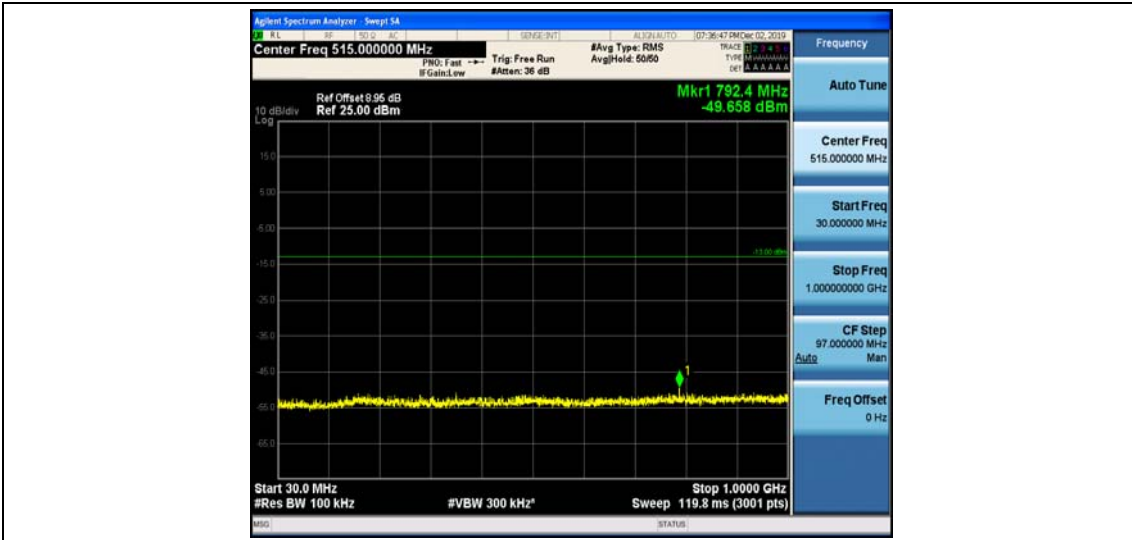
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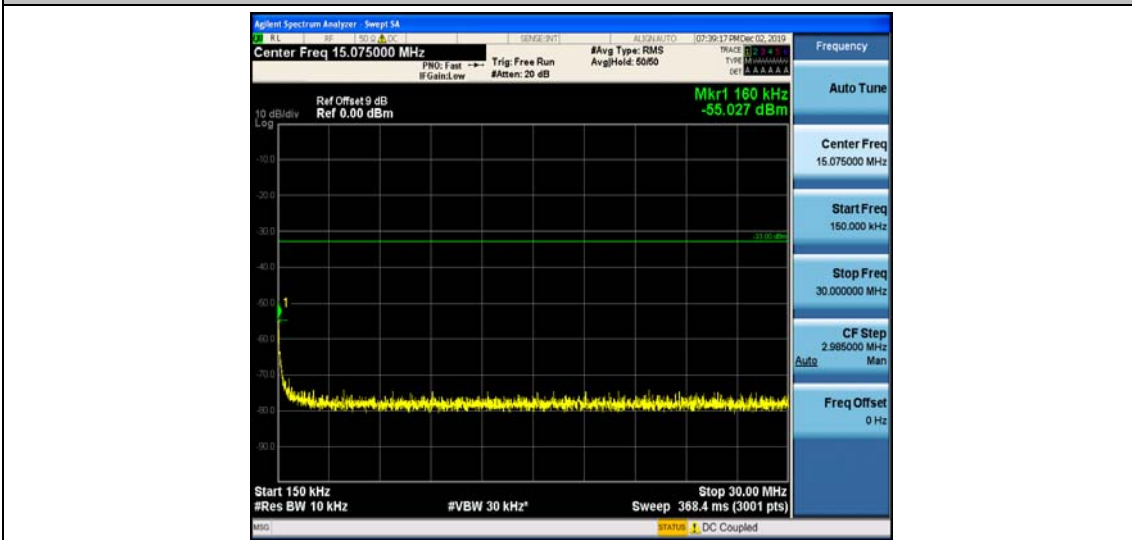
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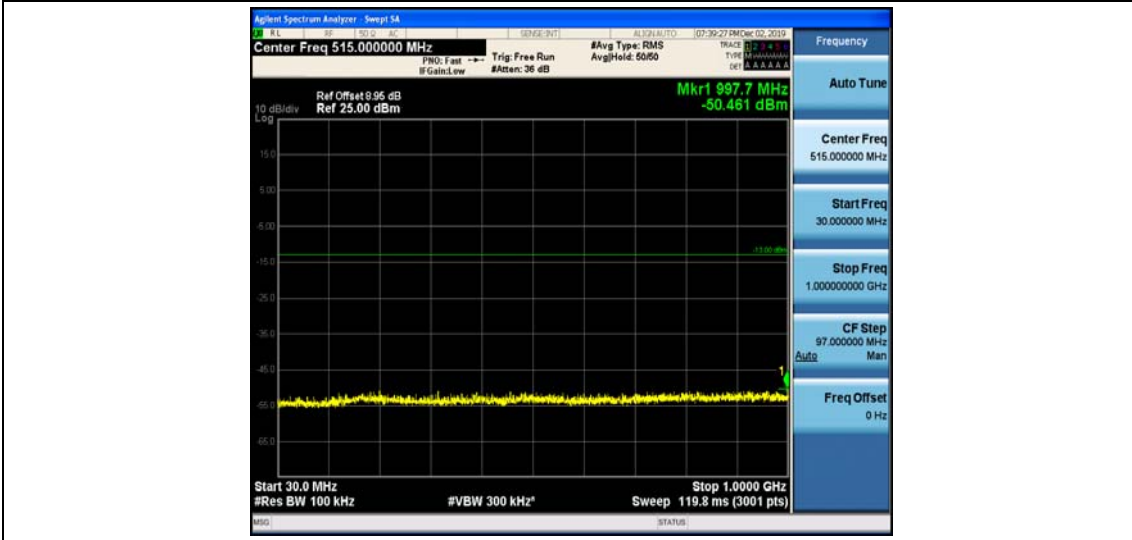
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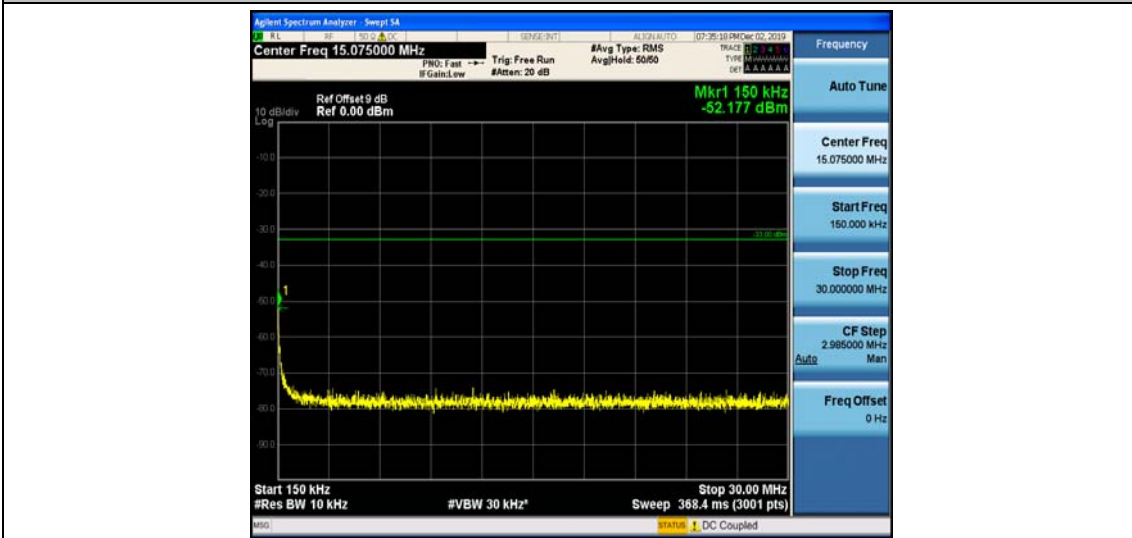
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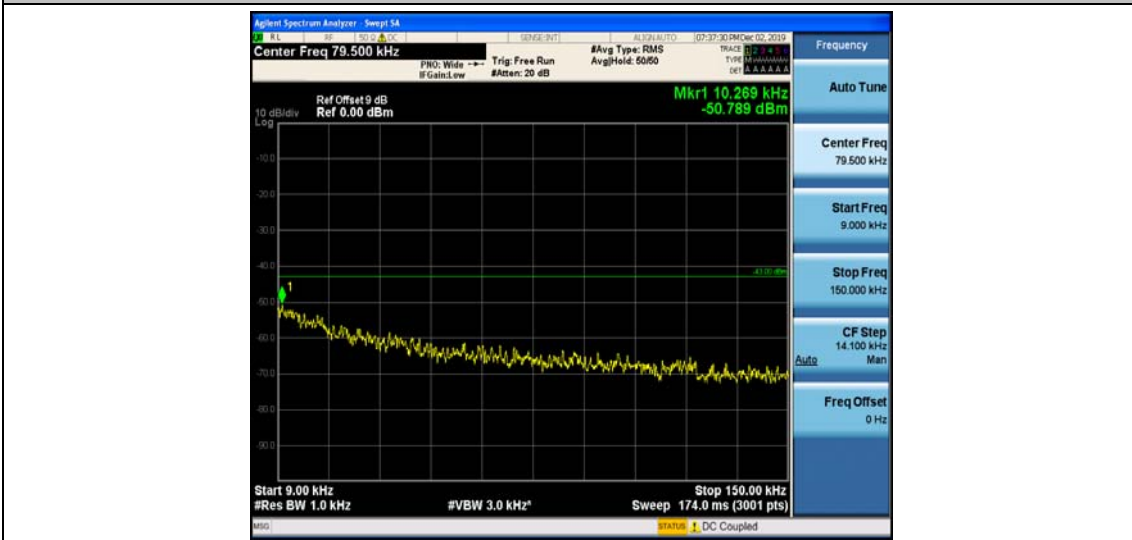
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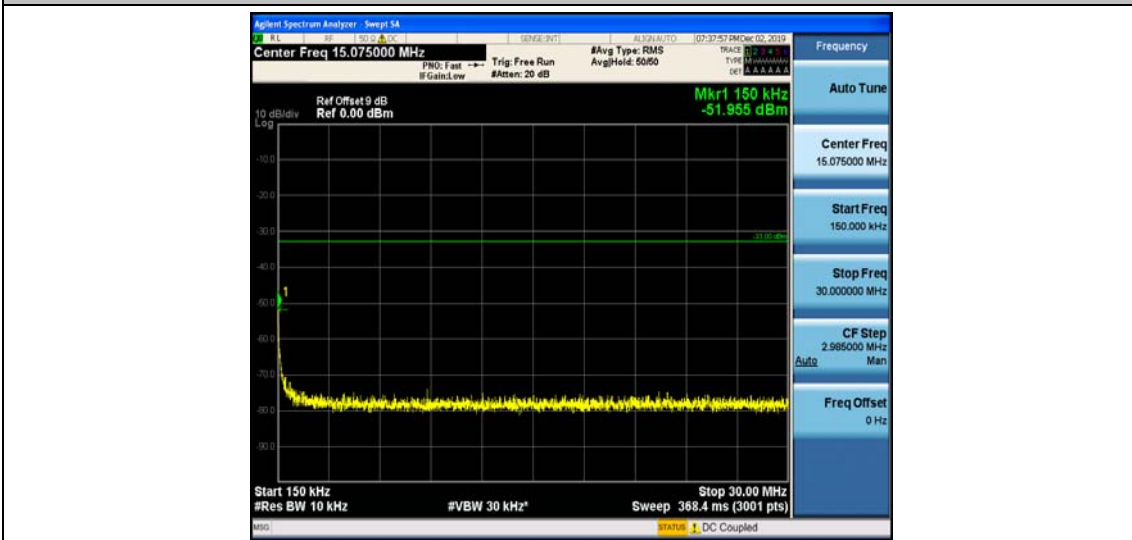
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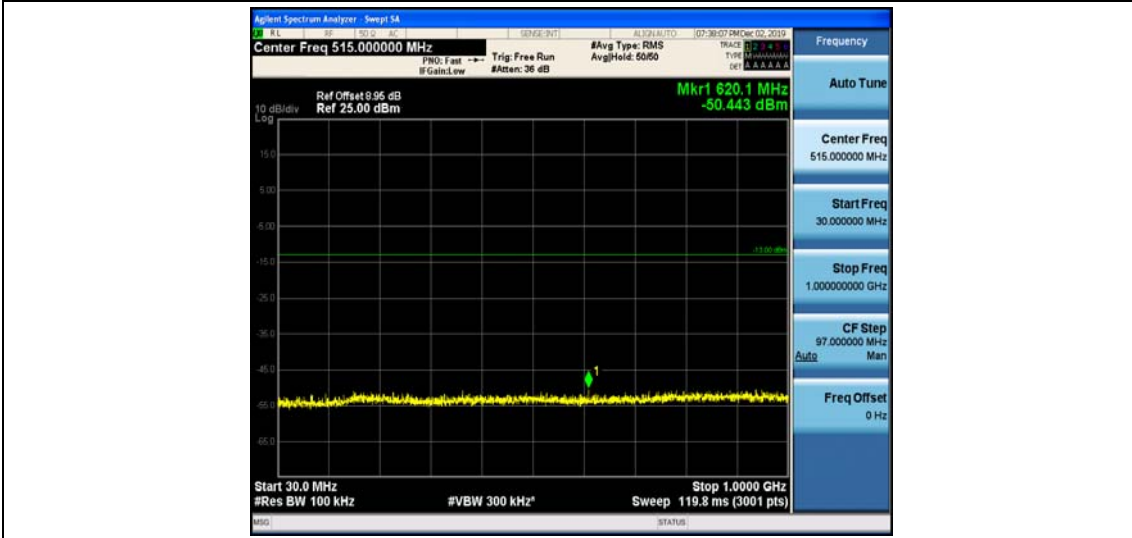
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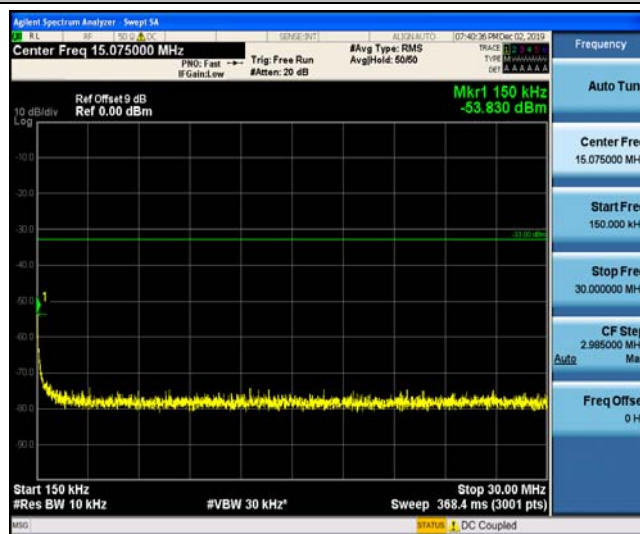
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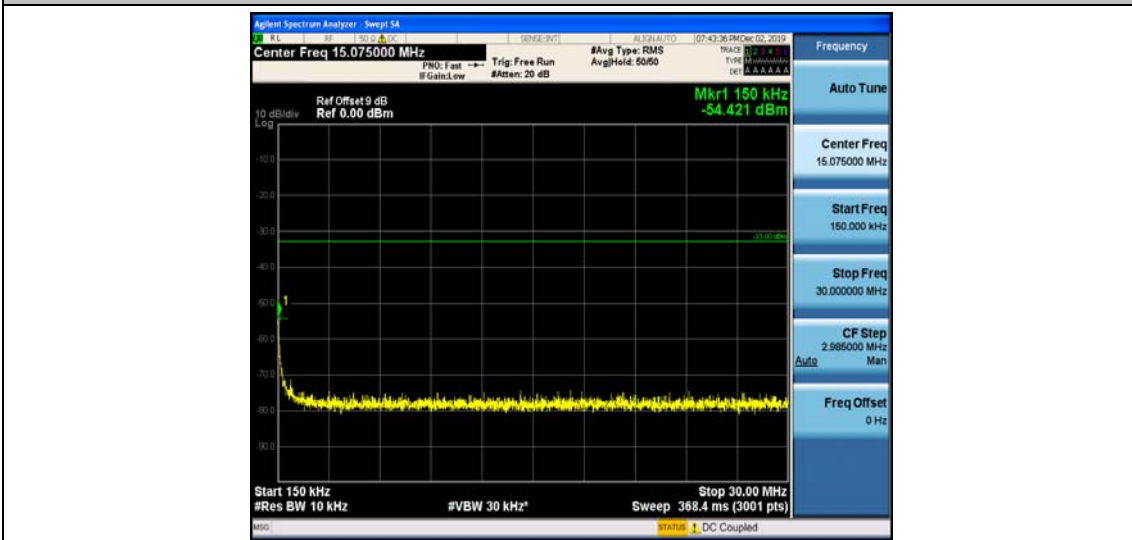
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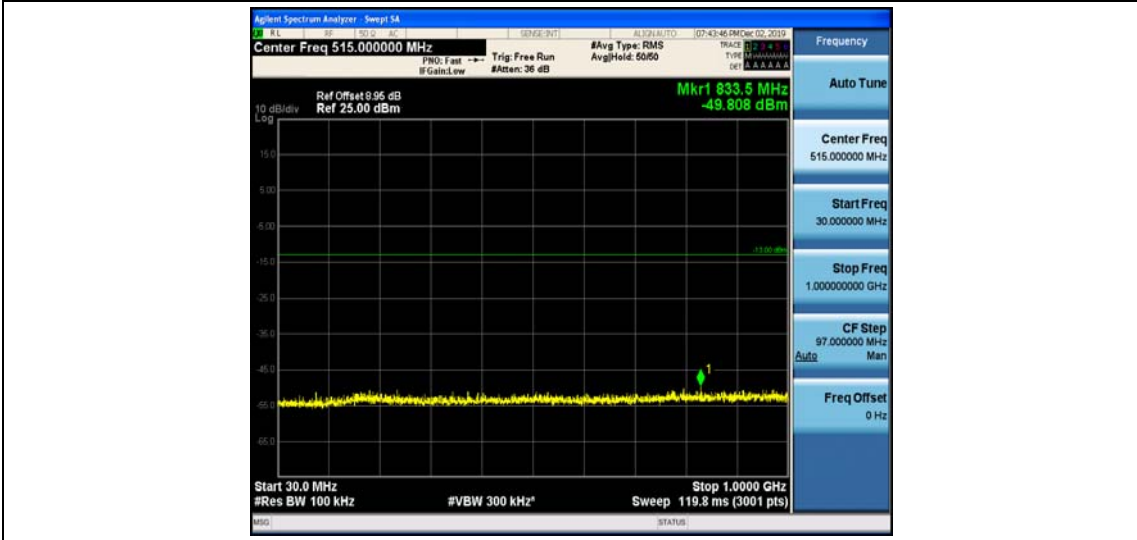
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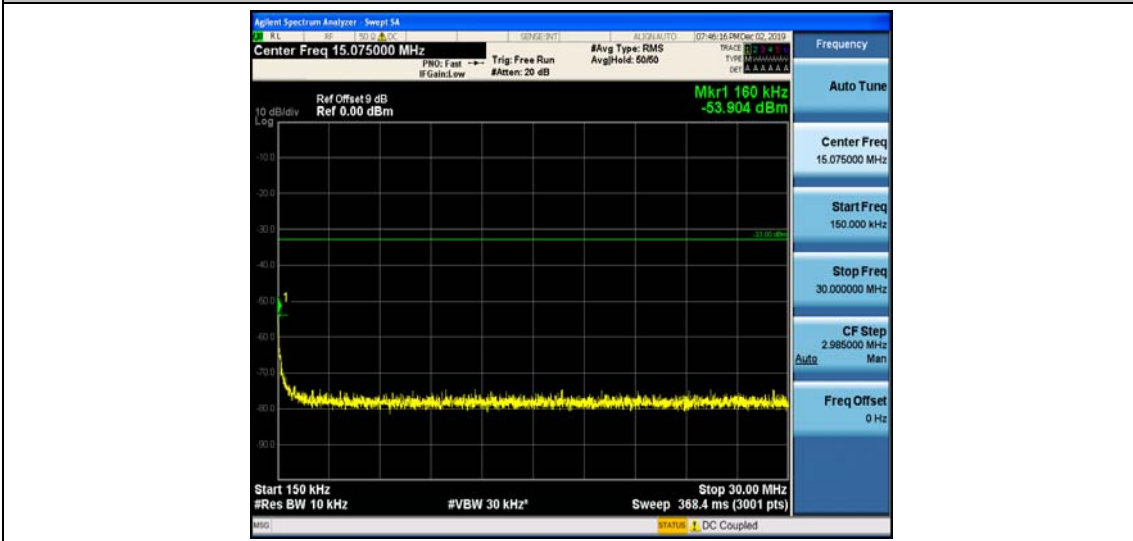
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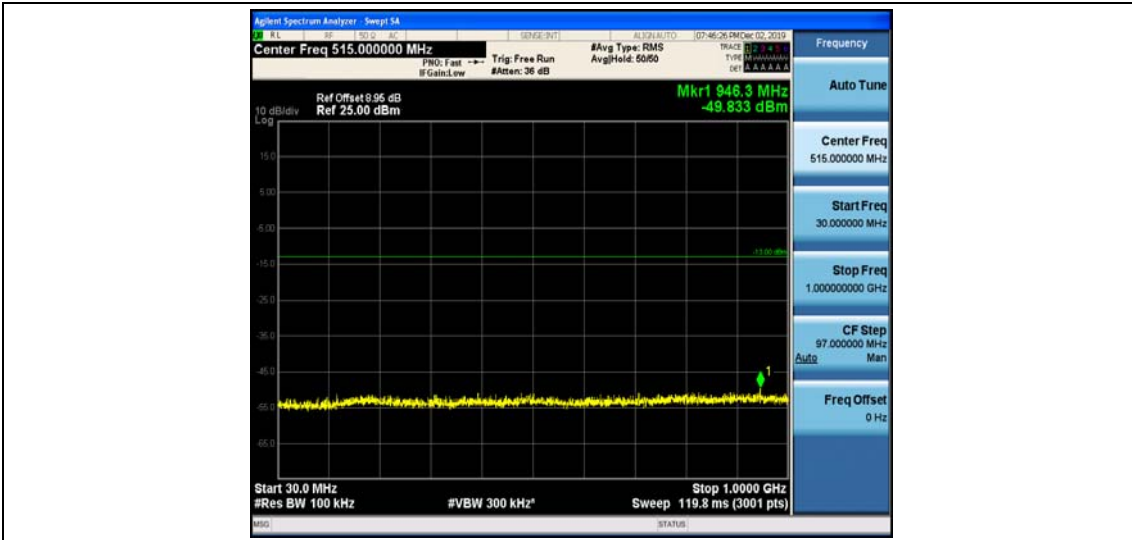


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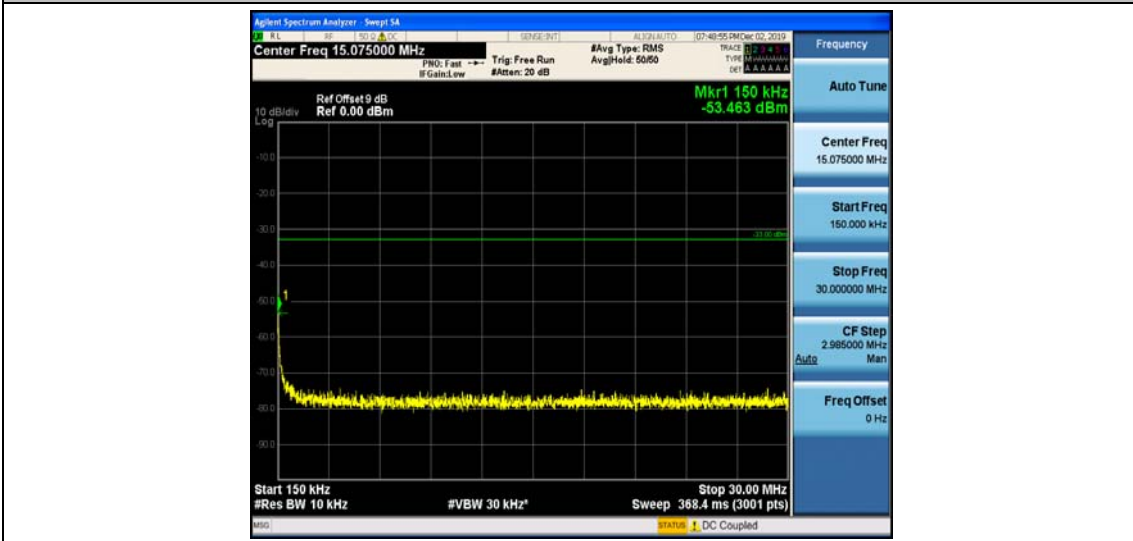
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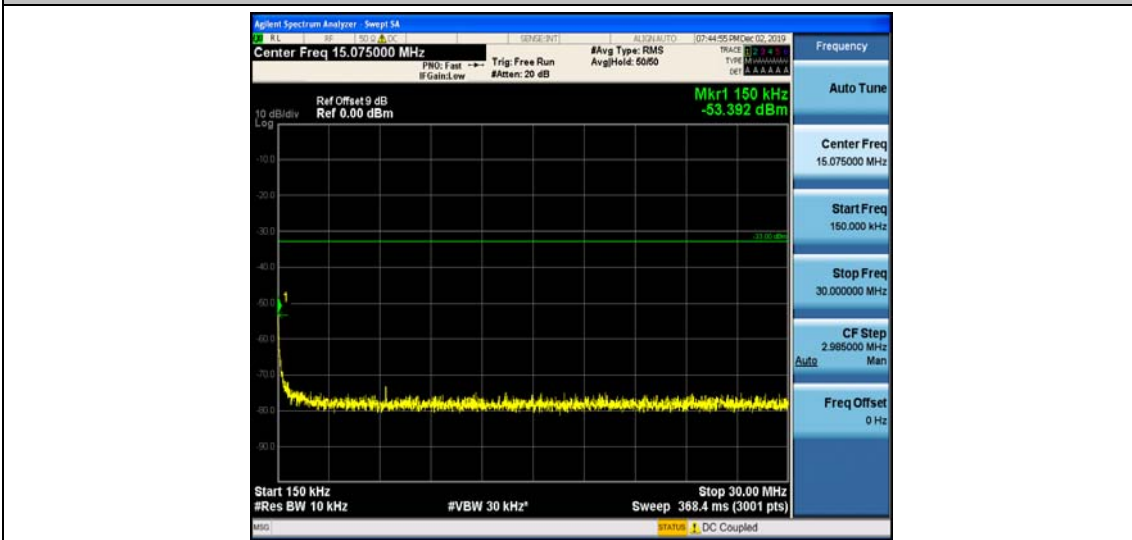
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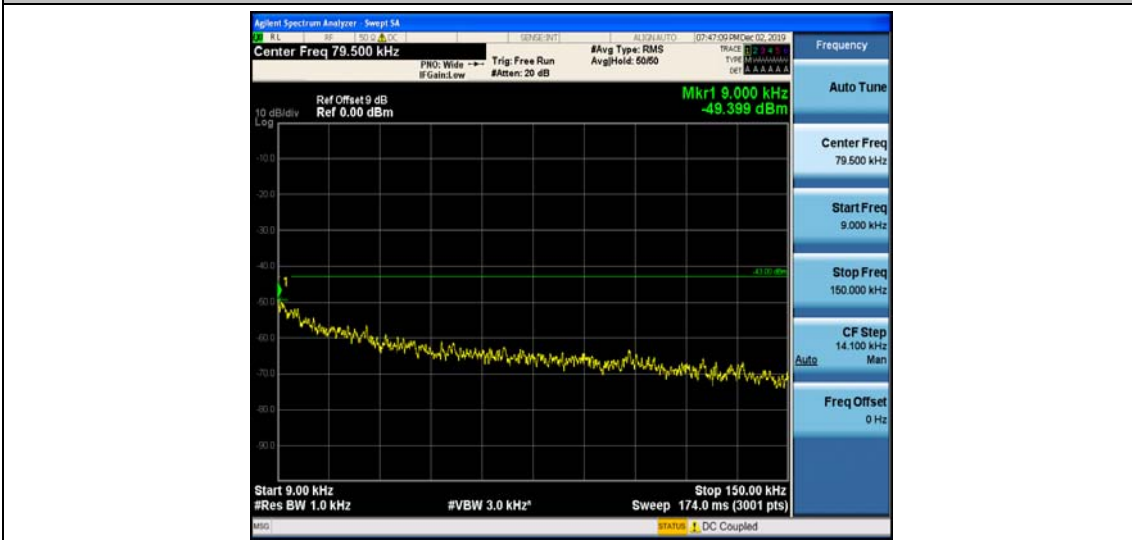
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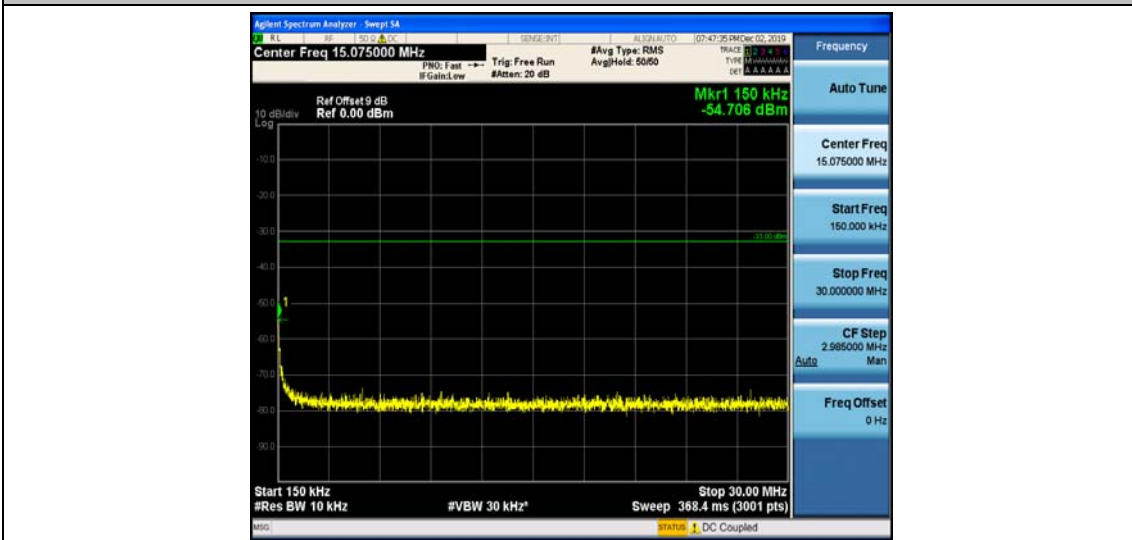
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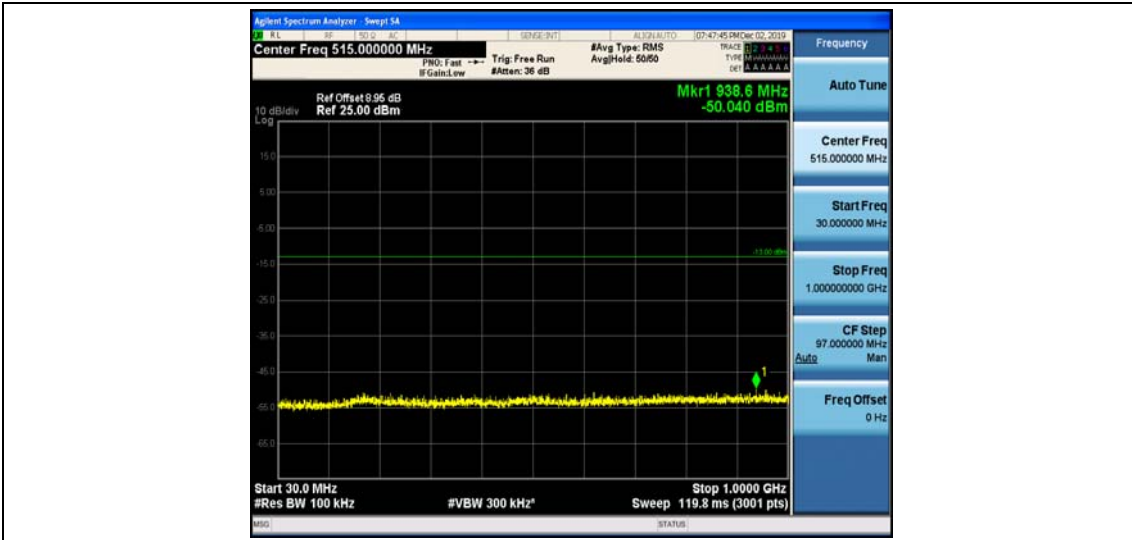
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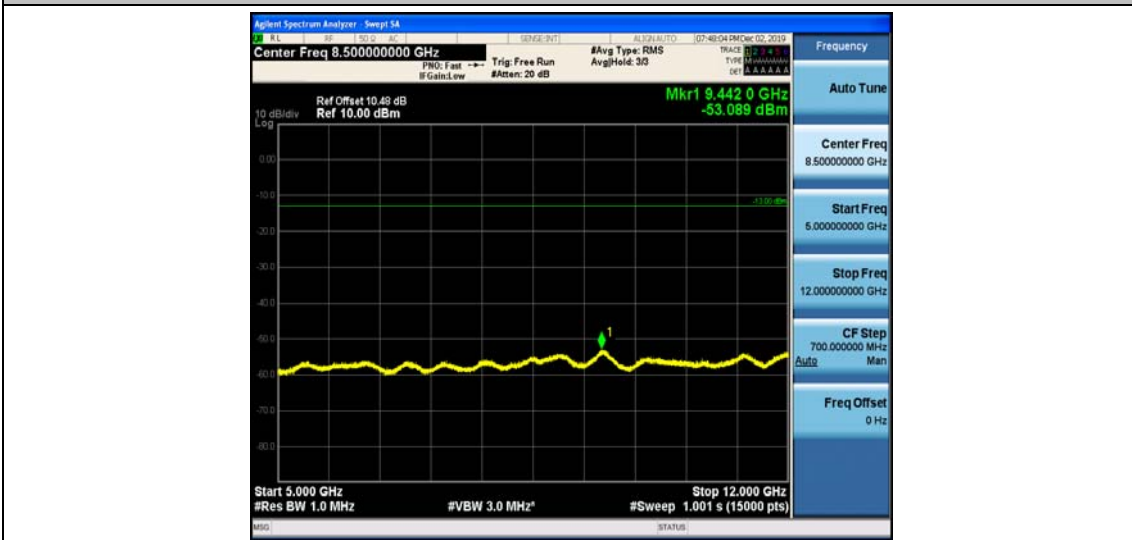
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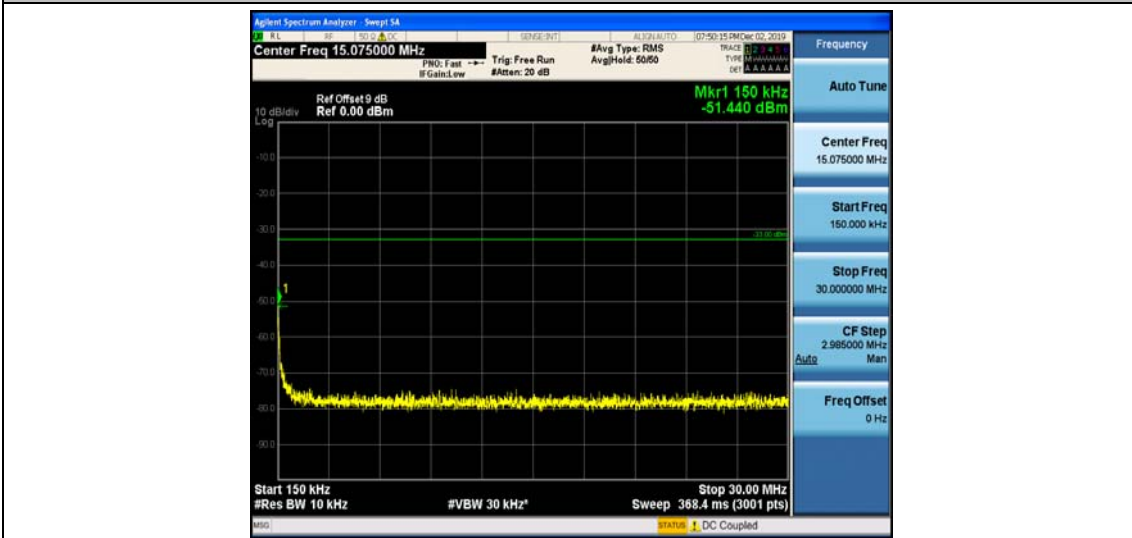
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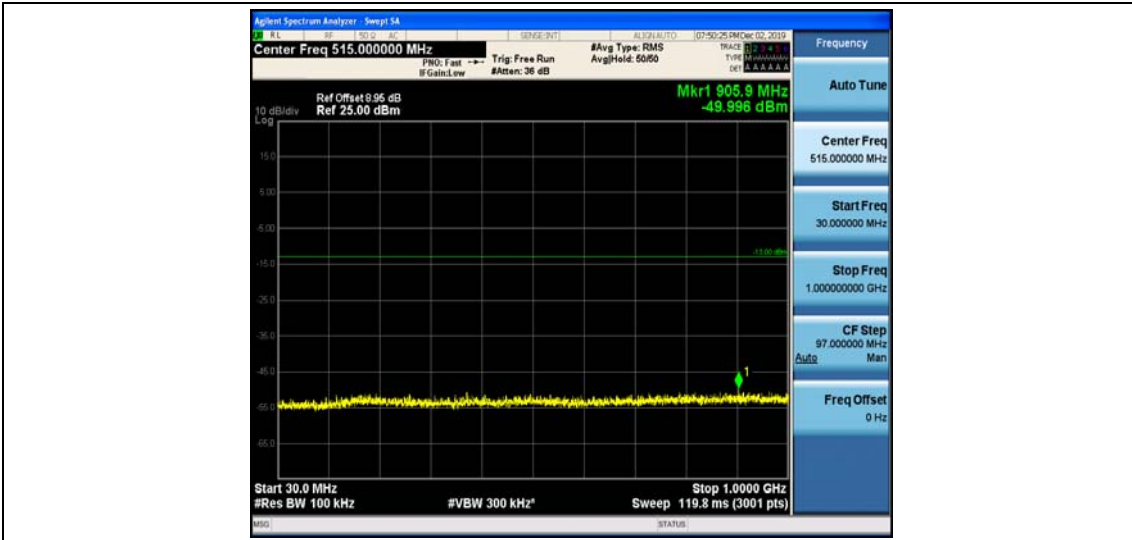


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Band25\_20MHz\_16QAM\_26590\_1RB#0



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	0.49	0.000265	± 2.5	PASS
		VN	TN	2.84	0.001535	± 2.5	PASS
		VH	TN	1.63	0.000881	± 2.5	PASS
	MCH	VL	TN	-1.46	-0.000776	± 2.5	PASS
		VN	TN	2.76	0.001466	± 2.5	PASS
		VH	TN	-0.27	-0.000143	± 2.5	PASS
	HCH	VL	TN	3.56	0.001860	± 2.5	PASS
		VN	TN	1.4	0.000731	± 2.5	PASS
		VH	TN	3.07	0.001604	± 2.5	PASS
16QAM	LCH	VL	TN	4.33	0.002340	± 2.5	PASS
		VN	TN	2.84	0.001535	± 2.5	PASS
		VH	TN	4.64	0.002507	± 2.5	PASS
	MCH	VL	TN	-0.81	-0.000430	± 2.5	PASS
		VN	TN	3.39	0.001801	± 2.5	PASS
		VH	TN	3.44	0.001827	± 2.5	PASS
	HCH	VL	TN	3.89	0.002037	± 2.5	PASS
		VN	TN	0.42	0.000220	± 2.5	PASS
		VH	TN	1.49	0.000780	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.4	0.000216	± 2.5	PASS
		VN	-20	4.73	0.002556	± 2.5	PASS
		VN	-10	4.5	0.002432	± 2.5	PASS
		VN	0	0.27	0.000146	± 2.5	PASS
		VN	10	3.04	0.001643	± 2.5	PASS
		VN	20	-1.38	-0.000746	± 2.5	PASS
		VN	30	2.62	0.001416	± 2.5	PASS
		VN	40	-0.1	-0.000054	± 2.5	PASS
		VN	50	-0.81	-0.000438	± 2.5	PASS
	MCH	VN	-30	1.75	0.000930	± 2.5	PASS

		VN	-20	-1.96	-0.001041	± 2.5	PASS
		VN	-10	-1.36	-0.000722	± 2.5	PASS
		VN	0	3.79	0.002013	± 2.5	PASS
		VN	10	4.23	0.002247	± 2.5	PASS
		VN	20	3.23	0.001716	± 2.5	PASS
		VN	30	0.43	0.000228	± 2.5	PASS
		VN	40	2.37	0.001259	± 2.5	PASS
		VN	50	-0.08	-0.000042	± 2.5	PASS
	HCH	VN	-30	1.82	0.000951	± 2.5	PASS
		VN	-20	2.74	0.001431	± 2.5	PASS
		VN	-10	-1.54	-0.000804	± 2.5	PASS
		VN	0	-0.79	-0.000413	± 2.5	PASS
		VN	10	3.3	0.001724	± 2.5	PASS
		VN	20	3.24	0.001693	± 2.5	PASS
		VN	30	-1.9	-0.000993	± 2.5	PASS
		VN	40	2.85	0.001489	± 2.5	PASS
		VN	50	-0.49	-0.000256	± 2.5	PASS
		16QAM	LCH	VN	-30	4.75	0.002567
VN	-20			3.28	0.001772	± 2.5	PASS
VN	-10			4.35	0.002350	± 2.5	PASS
VN	0			0.96	0.000519	± 2.5	PASS
VN	10			1.68	0.000908	± 2.5	PASS
VN	20			3.29	0.001778	± 2.5	PASS
VN	30			-1.92	-0.001037	± 2.5	PASS
VN	40			3.93	0.002124	± 2.5	PASS
VN	50			1.21	0.000654	± 2.5	PASS
MCH	VN		-30	0.49	0.000260	± 2.5	PASS
	VN		-20	4.64	0.002465	± 2.5	PASS
	VN		-10	-1.47	-0.000781	± 2.5	PASS
	VN		0	3.08	0.001636	± 2.5	PASS
	VN		10	4.38	0.002327	± 2.5	PASS
	VN		20	-0.06	-0.000032	± 2.5	PASS
	VN		30	4.5	0.002390	± 2.5	PASS
	VN		40	-0.64	-0.000340	± 2.5	PASS
	VN		50	2.21	0.001174	± 2.5	PASS
HCH	VN		-30	1.27	0.000663	± 2.5	PASS
	VN		-20	2.49	0.001301	± 2.5	PASS
	VN		-10	3.33	0.001740	± 2.5	PASS
	VN		0	-1.25	-0.000653	± 2.5	PASS
	VN		10	-0.57	-0.000298	± 2.5	PASS
	VN		20	-1.5	-0.000784	± 2.5	PASS

		VN	30	4.83	0.002523	± 2.5	PASS
		VN	40	4.11	0.002147	± 2.5	PASS
		VN	50	4.73	0.002471	± 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	1.18	0.000637	± 2.5	PASS
		VN	TN	1.17	0.000632	± 2.5	PASS
		VH	TN	4.23	0.002285	± 2.5	PASS
	MCH	VL	TN	3.28	0.001742	± 2.5	PASS
		VN	TN	3.7	0.001965	± 2.5	PASS
		VH	TN	0.5	0.000266	± 2.5	PASS
	HCH	VL	TN	3.61	0.001887	± 2.5	PASS
		VN	TN	4.22	0.002205	± 2.5	PASS
		VH	TN	3.93	0.002054	± 2.5	PASS
16QAM	LCH	VL	TN	1.09	0.000589	± 2.5	PASS
		VN	TN	2.58	0.001393	± 2.5	PASS
		VH	TN	2.94	0.001588	± 2.5	PASS
	MCH	VL	TN	1.12	0.000595	± 2.5	PASS
		VN	TN	1.69	0.000898	± 2.5	PASS
		VH	TN	1.17	0.000622	± 2.5	PASS
	HCH	VL	TN	3.42	0.001787	± 2.5	PASS
		VN	TN	0.81	0.000423	± 2.5	PASS
		VH	TN	4.15	0.002169	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.43	-0.000772	± 2.5	PASS
		VN	-20	3.27	0.001766	± 2.5	PASS
		VN	-10	2.17	0.001172	± 2.5	PASS
		VN	0	4.38	0.002366	± 2.5	PASS
		VN	10	-1.47	-0.000794	± 2.5	PASS
		VN	20	0.26	0.000140	± 2.5	PASS
		VN	30	0.7	0.000378	± 2.5	PASS
		VN	40	-0.91	-0.000491	± 2.5	PASS
		VN	50	-0.31	-0.000167	± 2.5	PASS
	MCH	VN	-30	2.64	0.001402	± 2.5	PASS
		VN	-20	0.14	0.000074	± 2.5	PASS

		VN	-10	1.65	0.000876	± 2.5	PASS	
		VN	0	-0.86	-0.000457	± 2.5	PASS	
		VN	10	-0.34	-0.000181	± 2.5	PASS	
		VN	20	3.97	0.002109	± 2.5	PASS	
		VN	30	1.14	0.000606	± 2.5	PASS	
		VN	40	3.6	0.001912	± 2.5	PASS	
		VN	50	2.54	0.001349	± 2.5	PASS	
	HCH	VN	-30	4.09	0.002137	± 2.5	PASS	
		VN	-20	-1.66	-0.000868	± 2.5	PASS	
		VN	-10	-1.09	-0.000570	± 2.5	PASS	
		VN	0	-1.67	-0.000873	± 2.5	PASS	
		VN	10	0.32	0.000167	± 2.5	PASS	
		VN	20	-1.31	-0.000685	± 2.5	PASS	
		VN	30	2.98	0.001557	± 2.5	PASS	
	16QAM	LCH	VN	40	0.31	0.000162	± 2.5	PASS
			VN	50	4.85	0.002535	± 2.5	PASS
			VN	-30	2.24	0.001210	± 2.5	PASS
			VN	-20	1.35	0.000729	± 2.5	PASS
VN			-10	3.16	0.001707	± 2.5	PASS	
VN			0	4.28	0.002312	± 2.5	PASS	
VN			10	2.76	0.001491	± 2.5	PASS	
VN			20	4.8	0.002592	± 2.5	PASS	
VN			30	3.51	0.001896	± 2.5	PASS	
MCH		VN	40	-0.87	-0.000470	± 2.5	PASS	
		VN	50	-0.32	-0.000173	± 2.5	PASS	
		VN	-30	-0.27	-0.000143	± 2.5	PASS	
		VN	-20	5	0.002656	± 2.5	PASS	
		VN	-10	-0.2	-0.000106	± 2.5	PASS	
		VN	0	4.46	0.002369	± 2.5	PASS	
		VN	10	0.61	0.000324	± 2.5	PASS	
		VN	20	3.96	0.002104	± 2.5	PASS	
		VN	30	4.99	0.002651	± 2.5	PASS	
HCH	VN	40	0.7	0.000372	± 2.5	PASS		
	VN	50	0.17	0.000090	± 2.5	PASS		
	VN	-30	4.31	0.002252	± 2.5	PASS		
	VN	-20	-0.94	-0.000491	± 2.5	PASS		
	VN	-10	-1.49	-0.000779	± 2.5	PASS		
	VN	0	1.38	0.000721	± 2.5	PASS		
	VN	10	2.59	0.001354	± 2.5	PASS		
VN	20	-1.21	-0.000632	± 2.5	PASS			
VN	30	2.15	0.001124	± 2.5	PASS			

		VN	40	-1.41	-0.000737	± 2.5	PASS
		VN	50	0.81	0.000423	± 2.5	PASS

### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.28	0.002310	± 2.5	PASS
		VN	TN	1.02	0.000551	± 2.5	PASS
		VH	TN	3.45	0.001862	± 2.5	PASS
	MCH	VL	TN	0.59	0.000313	± 2.5	PASS
		VN	TN	-0.86	-0.000457	± 2.5	PASS
		VH	TN	-0.36	-0.000191	± 2.5	PASS
	HCH	VL	TN	-1.19	-0.000622	± 2.5	PASS
		VN	TN	-0.85	-0.000444	± 2.5	PASS
		VH	TN	4.6	0.002405	± 2.5	PASS
16QAM	LCH	VL	TN	4.01	0.002165	± 2.5	PASS
		VN	TN	3.59	0.001938	± 2.5	PASS
		VH	TN	0.77	0.000416	± 2.5	PASS
	MCH	VL	TN	4.4	0.002337	± 2.5	PASS
		VN	TN	2.37	0.001259	± 2.5	PASS
		VH	TN	0.36	0.000191	± 2.5	PASS
	HCH	VL	TN	3.25	0.001699	± 2.5	PASS
		VN	TN	2	0.001046	± 2.5	PASS
		VH	TN	0.59	0.000308	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.15	0.000621	± 2.5	PASS
		VN	-20	0.19	0.000103	± 2.5	PASS
		VN	-10	0.47	0.000254	± 2.5	PASS
		VN	0	-1.22	-0.000659	± 2.5	PASS
		VN	10	1.64	0.000885	± 2.5	PASS
		VN	20	1	0.000540	± 2.5	PASS
		VN	30	2.87	0.001549	± 2.5	PASS
		VN	40	2.09	0.001128	± 2.5	PASS
		VN	50	4.84	0.002613	± 2.5	PASS
	MCH	VN	-30	-0.87	-0.000462	± 2.5	PASS
		VN	-20	2.96	0.001572	± 2.5	PASS
		VN	-10	0.34	0.000181	± 2.5	PASS

		VN	0	1.49	0.000792	± 2.5	PASS		
		VN	10	1.49	0.000792	± 2.5	PASS		
		VN	20	0.52	0.000276	± 2.5	PASS		
		VN	30	-1.17	-0.000622	± 2.5	PASS		
		VN	40	4.53	0.002406	± 2.5	PASS		
		VN	50	4.09	0.002173	± 2.5	PASS		
	HCH	VN	-30	-0.57	-0.000298	± 2.5	PASS		
		VN	-20	0.18	0.000094	± 2.5	PASS		
		VN	-10	1.44	0.000753	± 2.5	PASS		
		VN	0	2.5	0.001307	± 2.5	PASS		
		VN	10	1.39	0.000727	± 2.5	PASS		
		VN	20	3.89	0.002034	± 2.5	PASS		
		VN	30	-0.55	-0.000288	± 2.5	PASS		
		VN	40	2.75	0.001438	± 2.5	PASS		
		VN	50	-0.44	-0.000230	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.03	0.001636	± 2.5	PASS
				VN	-20	-1.87	-0.001009	± 2.5	PASS
				VN	-10	-1.26	-0.000680	± 2.5	PASS
VN	0			3.08	0.001663	± 2.5	PASS		
VN	10			0.98	0.000529	± 2.5	PASS		
VN	20			-1.12	-0.000605	± 2.5	PASS		
VN	30			2.87	0.001549	± 2.5	PASS		
VN	40			1.36	0.000734	± 2.5	PASS		
VN	50			-1.5	-0.000810	± 2.5	PASS		
MCH	VN		-30	1.3	0.000691	± 2.5	PASS		
	VN		-20	3.61	0.001918	± 2.5	PASS		
	VN		-10	1.33	0.000707	± 2.5	PASS		
	VN		0	4.7	0.002497	± 2.5	PASS		
	VN		10	0.71	0.000377	± 2.5	PASS		
	VN		20	3.38	0.001795	± 2.5	PASS		
	VN		30	0.62	0.000329	± 2.5	PASS		
	VN		40	-0.01	-0.000005	± 2.5	PASS		
	VN		50	-1.27	-0.000675	± 2.5	PASS		
HCH	VN		-30	2.83	0.001480	± 2.5	PASS		
	VN		-20	3.46	0.001809	± 2.5	PASS		
	VN		-10	4.76	0.002489	± 2.5	PASS		
	VN		0	4.55	0.002379	± 2.5	PASS		
	VN		10	1.36	0.000711	± 2.5	PASS		
	VN		20	4.21	0.002201	± 2.5	PASS		
	VN		30	-0.29	-0.000152	± 2.5	PASS		
	VN		40	3	0.001569	± 2.5	PASS		



		VN	50	-1.14	-0.000596	± 2.5	PASS
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**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	4.81	0.002593	± 2.5	PASS
		VN	TN	2.23	0.001202	± 2.5	PASS
		VH	TN	2.99	0.001612	± 2.5	PASS
	MCH	VL	TN	2.49	0.001323	± 2.5	PASS
		VN	TN	2.91	0.001546	± 2.5	PASS
		VH	TN	1.13	0.000600	± 2.5	PASS
	HCH	VL	TN	-0.53	-0.000277	± 2.5	PASS
		VN	TN	-1.23	-0.000644	± 2.5	PASS
		VH	TN	4.85	0.002539	± 2.5	PASS
16QAM	LCH	VL	TN	2.48	0.001337	± 2.5	PASS
		VN	TN	-0.83	-0.000447	± 2.5	PASS
		VH	TN	2.1	0.001132	± 2.5	PASS
	MCH	VL	TN	3.93	0.002088	± 2.5	PASS
		VN	TN	2.3	0.001222	± 2.5	PASS
		VH	TN	4.4	0.002337	± 2.5	PASS
	HCH	VL	TN	0.43	0.000225	± 2.5	PASS
		VN	TN	-0.51	-0.000267	± 2.5	PASS
		VH	TN	0.15	0.000079	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.89	-0.000480	± 2.5	PASS
		VN	-20	-1.55	-0.000836	± 2.5	PASS
		VN	-10	-0.55	-0.000296	± 2.5	PASS
		VN	0	1.64	0.000884	± 2.5	PASS
		VN	10	2.45	0.001321	± 2.5	PASS
		VN	20	1.06	0.000571	± 2.5	PASS
		VN	30	2.51	0.001353	± 2.5	PASS
		VN	40	4.7	0.002534	± 2.5	PASS
		VN	50	-0.12	-0.000065	± 2.5	PASS
	MCH	VN	-30	0.67	0.000356	± 2.5	PASS
		VN	-20	1.6	0.000850	± 2.5	PASS
		VN	-10	-1.82	-0.000967	± 2.5	PASS
		VN	0	4.28	0.002274	± 2.5	PASS

		VN	10	-1.03	-0.000547	± 2.5	PASS
		VN	20	-1.42	-0.000754	± 2.5	PASS
		VN	30	-0.77	-0.000409	± 2.5	PASS
		VN	40	-1.85	-0.000983	± 2.5	PASS
		VN	50	-1.53	-0.000813	± 2.5	PASS
	HCH	VN	-30	4.66	0.002440	± 2.5	PASS
		VN	-20	-0.55	-0.000288	± 2.5	PASS
		VN	-10	-0.27	-0.000141	± 2.5	PASS
		VN	0	3.84	0.002010	± 2.5	PASS
		VN	10	3.17	0.001660	± 2.5	PASS
		VN	20	1.23	0.000644	± 2.5	PASS
		VN	30	2	0.001047	± 2.5	PASS
		VN	40	-0.85	-0.000445	± 2.5	PASS
		VN	50	-0.38	-0.000199	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.87	-0.000469
VN	-20			1.16	0.000625	± 2.5	PASS
VN	-10			2.06	0.001111	± 2.5	PASS
VN	0			1.18	0.000636	± 2.5	PASS
VN	10			0.64	0.000345	± 2.5	PASS
VN	20			4.85	0.002615	± 2.5	PASS
VN	30			1.23	0.000663	± 2.5	PASS
VN	40			4.23	0.002280	± 2.5	PASS
VN	50			3.03	0.001633	± 2.5	PASS
MCH	VN		-30	3.68	0.001955	± 2.5	PASS
	VN		-20	2.62	0.001392	± 2.5	PASS
	VN		-10	4.43	0.002353	± 2.5	PASS
	VN		0	1.79	0.000951	± 2.5	PASS
	VN		10	0.8	0.000425	± 2.5	PASS
	VN		20	-0.41	-0.000218	± 2.5	PASS
	VN		30	1.12	0.000595	± 2.5	PASS
	VN		40	-0.4	-0.000212	± 2.5	PASS
	VN		50	-1.51	-0.000802	± 2.5	PASS
HCH	VN		-30	0.4	0.000209	± 2.5	PASS
	VN		-20	-0.11	-0.000058	± 2.5	PASS
	VN		-10	3.84	0.002010	± 2.5	PASS
	VN		0	-0.58	-0.000304	± 2.5	PASS
	VN		10	3.8	0.001990	± 2.5	PASS
	VN		20	2.55	0.001335	± 2.5	PASS
	VN		30	-1.9	-0.000995	± 2.5	PASS
	VN		40	2.06	0.001079	± 2.5	PASS
	VN		50	2.9	0.001518	± 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	1.5	0.000808	± 2.5	PASS
		VN	TN	-0.51	-0.000275	± 2.5	PASS
		VH	TN	-0.69	-0.000371	± 2.5	PASS
	MCH	VL	TN	-1.36	-0.000722	± 2.5	PASS
		VN	TN	3.61	0.001918	± 2.5	PASS
		VH	TN	4.51	0.002396	± 2.5	PASS
	HCH	VL	TN	2.87	0.001505	± 2.5	PASS
		VN	TN	4.47	0.002343	± 2.5	PASS
		VH	TN	0.02	0.000010	± 2.5	PASS
16QAM	LCH	VL	TN	1.31	0.000705	± 2.5	PASS
		VN	TN	-0.86	-0.000463	± 2.5	PASS
		VH	TN	2.46	0.001324	± 2.5	PASS
	MCH	VL	TN	2.91	0.001546	± 2.5	PASS
		VN	TN	-0.63	-0.000335	± 2.5	PASS
		VH	TN	1.36	0.000722	± 2.5	PASS
	HCH	VL	TN	-1.12	-0.000587	± 2.5	PASS
		VN	TN	-0.29	-0.000152	± 2.5	PASS
		VH	TN	1.99	0.001043	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.77	0.002568	± 2.5	PASS
		VN	-20	3.4	0.001830	± 2.5	PASS
		VN	-10	2.31	0.001244	± 2.5	PASS
		VN	0	-0.08	-0.000043	± 2.5	PASS
		VN	10	1.26	0.000678	± 2.5	PASS
		VN	20	2.79	0.001502	± 2.5	PASS
		VN	30	0.7	0.000377	± 2.5	PASS
		VN	40	4.68	0.002520	± 2.5	PASS
		VN	50	-1.36	-0.000732	± 2.5	PASS
	MCH	VN	-30	2.87	0.001525	± 2.5	PASS
		VN	-20	-0.44	-0.000234	± 2.5	PASS
		VN	-10	0.75	0.000398	± 2.5	PASS
		VN	0	0.37	0.000197	± 2.5	PASS
		VN	10	2.93	0.001556	± 2.5	PASS
		VN	20	1.55	0.000823	± 2.5	PASS

		VN	30	0.28	0.000149	± 2.5	PASS
		VN	40	1.15	0.000611	± 2.5	PASS
		VN	50	1.85	0.000983	± 2.5	PASS
	HCH	VN	-30	4.81	0.002522	± 2.5	PASS
		VN	-20	2.34	0.001227	± 2.5	PASS
		VN	-10	3.07	0.001609	± 2.5	PASS
		VN	0	1.52	0.000797	± 2.5	PASS
		VN	10	1.92	0.001007	± 2.5	PASS
		VN	20	3.73	0.001955	± 2.5	PASS
		VN	30	-0.38	-0.000199	± 2.5	PASS
		VN	40	-1.76	-0.000923	± 2.5	PASS
		VN	50	0.1	0.000052	± 2.5	PASS
16QAM	LCH	VN	-30	0.01	0.000005	± 2.5	PASS
		VN	-20	-0.94	-0.000506	± 2.5	PASS
		VN	-10	-1.48	-0.000797	± 2.5	PASS
		VN	0	-0.34	-0.000183	± 2.5	PASS
		VN	10	1.11	0.000598	± 2.5	PASS
		VN	20	1.61	0.000867	± 2.5	PASS
		VN	30	1.52	0.000818	± 2.5	PASS
		VN	40	2.1	0.001131	± 2.5	PASS
	MCH	VN	50	4.48	0.002412	± 2.5	PASS
		VN	-30	2.1	0.001116	± 2.5	PASS
		VN	-20	4.13	0.002194	± 2.5	PASS
		VN	-10	-0.13	-0.000069	± 2.5	PASS
		VN	0	4.98	0.002645	± 2.5	PASS
		VN	10	4.59	0.002438	± 2.5	PASS
		VN	20	2.83	0.001503	± 2.5	PASS
		VN	30	0.23	0.000122	± 2.5	PASS
		VN	40	1.33	0.000707	± 2.5	PASS
	HCH	VN	50	0.64	0.000340	± 2.5	PASS
		VN	-30	2.1	0.001101	± 2.5	PASS
		VN	-20	-1.25	-0.000655	± 2.5	PASS
		VN	-10	4.29	0.002249	± 2.5	PASS
		VN	0	4.34	0.002275	± 2.5	PASS
		VN	10	3.43	0.001798	± 2.5	PASS
		VN	20	-0.66	-0.000346	± 2.5	PASS
		VN	30	4.46	0.002338	± 2.5	PASS
	VN	40	-1.89	-0.000991	± 2.5	PASS	
	VN	50	1.61	0.000844	± 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	-0.63	-0.000339	± 2.5	PASS
		VN	TN	1.58	0.000849	± 2.5	PASS
		VH	TN	2.43	0.001306	± 2.5	PASS
	MCH	VL	TN	3.06	0.001625	± 2.5	PASS
		VN	TN	2.89	0.001535	± 2.5	PASS
		VH	TN	-0.18	-0.000096	± 2.5	PASS
	HCH	VL	TN	4.91	0.002577	± 2.5	PASS
		VN	TN	-1.26	-0.000661	± 2.5	PASS
		VH	TN	1.07	0.000562	± 2.5	PASS
16QAM	LCH	VL	TN	-0.61	-0.000328	± 2.5	PASS
		VN	TN	-0.18	-0.000097	± 2.5	PASS
		VH	TN	0.03	0.000016	± 2.5	PASS
	MCH	VL	TN	2.43	0.001291	± 2.5	PASS
		VN	TN	-0.3	-0.000159	± 2.5	PASS
		VH	TN	0.63	0.000335	± 2.5	PASS
	HCH	VL	TN	0.59	0.000310	± 2.5	PASS
		VN	TN	2.13	0.001118	± 2.5	PASS
		VH	TN	-0.2	-0.000105	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.57	0.002457	± 2.5	PASS
		VN	-20	-0.62	-0.000333	± 2.5	PASS
		VN	-10	1.52	0.000817	± 2.5	PASS
		VN	0	4.72	0.002538	± 2.5	PASS
		VN	10	3.26	0.001753	± 2.5	PASS
		VN	20	-1.88	-0.001011	± 2.5	PASS
		VN	30	4.13	0.002220	± 2.5	PASS
		VN	40	4.15	0.002231	± 2.5	PASS
		VN	50	3.42	0.001839	± 2.5	PASS
	MCH	VN	-30	4	0.002128	± 2.5	PASS
		VN	-20	1.16	0.000617	± 2.5	PASS
		VN	-10	1.35	0.000718	± 2.5	PASS
		VN	0	-1.79	-0.000952	± 2.5	PASS
		VN	10	0.21	0.000112	± 2.5	PASS
		VN	20	1.79	0.000952	± 2.5	PASS

		VN	30	-1.08	-0.000574	± 2.5	PASS
		VN	40	0.74	0.000394	± 2.5	PASS
		VN	50	4.36	0.002319	± 2.5	PASS
	HCH	VN	-30	2.28	0.001197	± 2.5	PASS
		VN	-20	2.02	0.001060	± 2.5	PASS
		VN	-10	2.72	0.001428	± 2.5	PASS
		VN	0	3.13	0.001643	± 2.5	PASS
		VN	10	0.32	0.000168	± 2.5	PASS
		VN	20	-0.66	-0.000346	± 2.5	PASS
		VN	30	3.99	0.002094	± 2.5	PASS
		VN	40	3.63	0.001906	± 2.5	PASS
		VN	50	0.88	0.000462	± 2.5	PASS
16QAM	LCH	VN	-30	4.9	0.002634	± 2.5	PASS
		VN	-20	2.6	0.001398	± 2.5	PASS
		VN	-10	1.24	0.000667	± 2.5	PASS
		VN	0	0.88	0.000473	± 2.5	PASS
		VN	10	2.33	0.001253	± 2.5	PASS
		VN	20	-1.92	-0.001032	± 2.5	PASS
		VN	30	4.36	0.002344	± 2.5	PASS
		VN	40	3.08	0.001656	± 2.5	PASS
		VN	50	0.38	0.000204	± 2.5	PASS
	MCH	VN	-30	2.14	0.001137	± 2.5	PASS
		VN	-20	-0.28	-0.000149	± 2.5	PASS
		VN	-10	3.93	0.002088	± 2.5	PASS
		VN	0	0.36	0.000191	± 2.5	PASS
		VN	10	-0.34	-0.000181	± 2.5	PASS
		VN	20	4.79	0.002544	± 2.5	PASS
		VN	30	-0.46	-0.000244	± 2.5	PASS
		VN	40	2.21	0.001174	± 2.5	PASS
		VN	50	-1.54	-0.000818	± 2.5	PASS
	HCH	VN	-30	0.85	0.000446	± 2.5	PASS
		VN	-20	3.15	0.001654	± 2.5	PASS
		VN	-10	0.79	0.000415	± 2.5	PASS
		VN	0	-1.12	-0.000588	± 2.5	PASS
		VN	10	-0.11	-0.000058	± 2.5	PASS
		VN	20	-1.96	-0.001029	± 2.5	PASS
		VN	30	-0.36	-0.000189	± 2.5	PASS
		VN	40	0.34	0.000178	± 2.5	PASS
		VN	50	0.55	0.000289	± 2.5	PASS