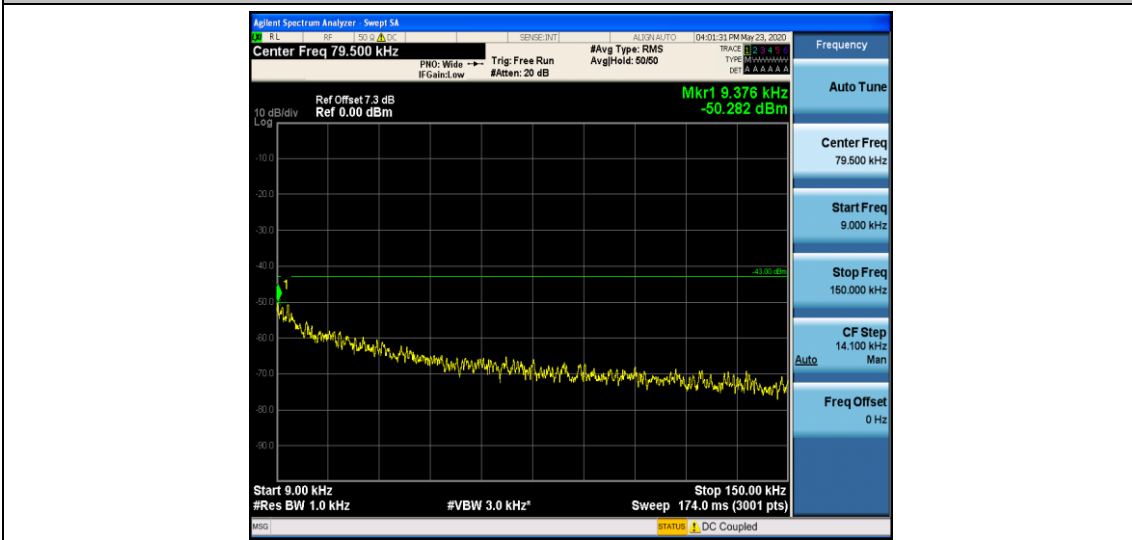
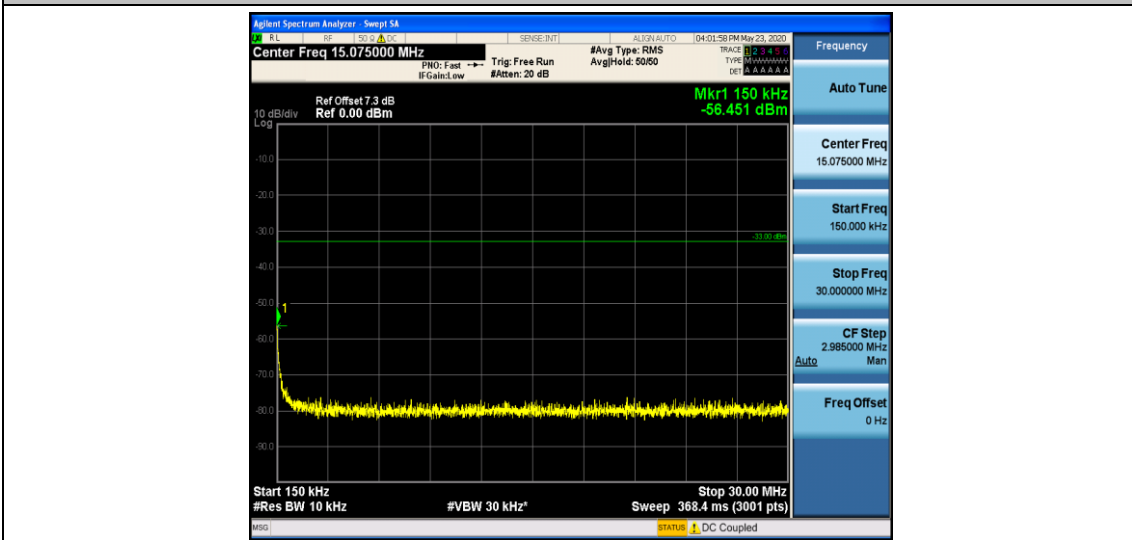




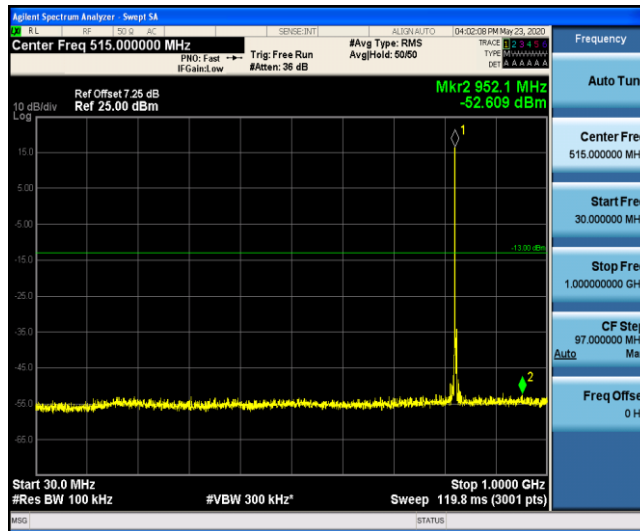
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Band5_5MHz_QPSK_20425_1RB#0



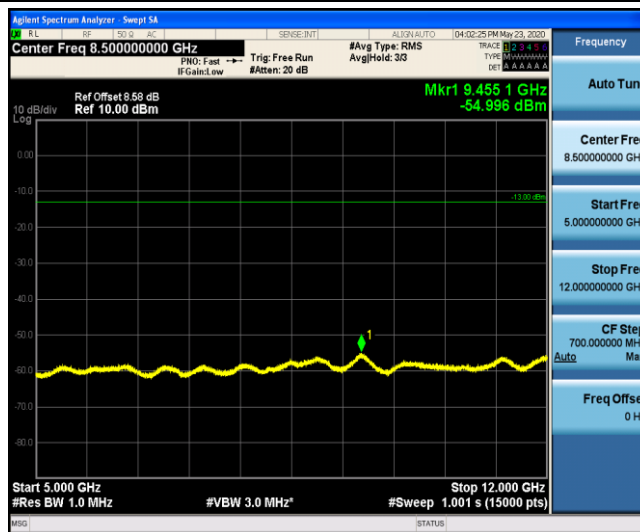
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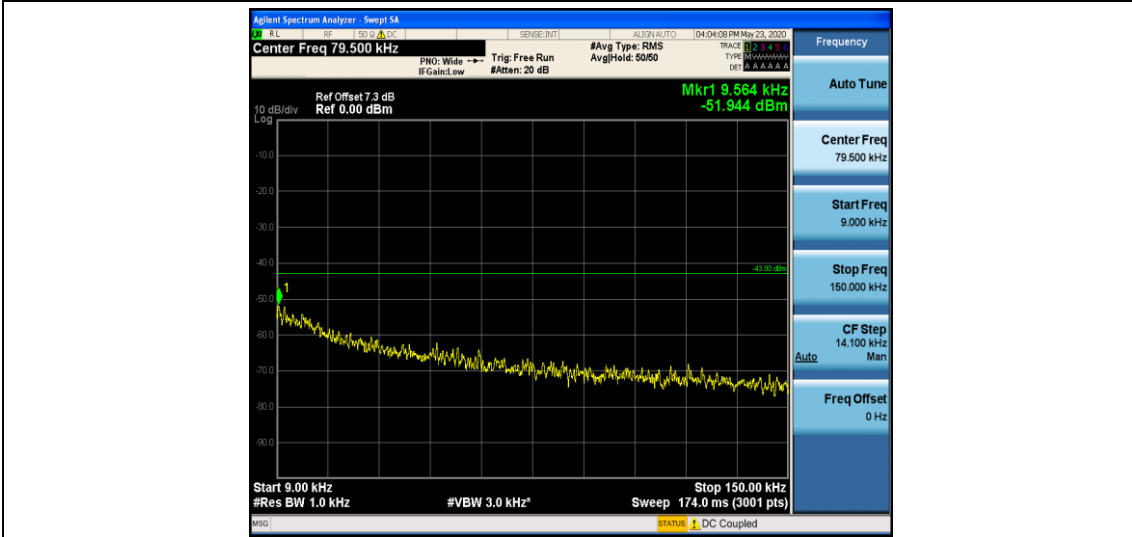
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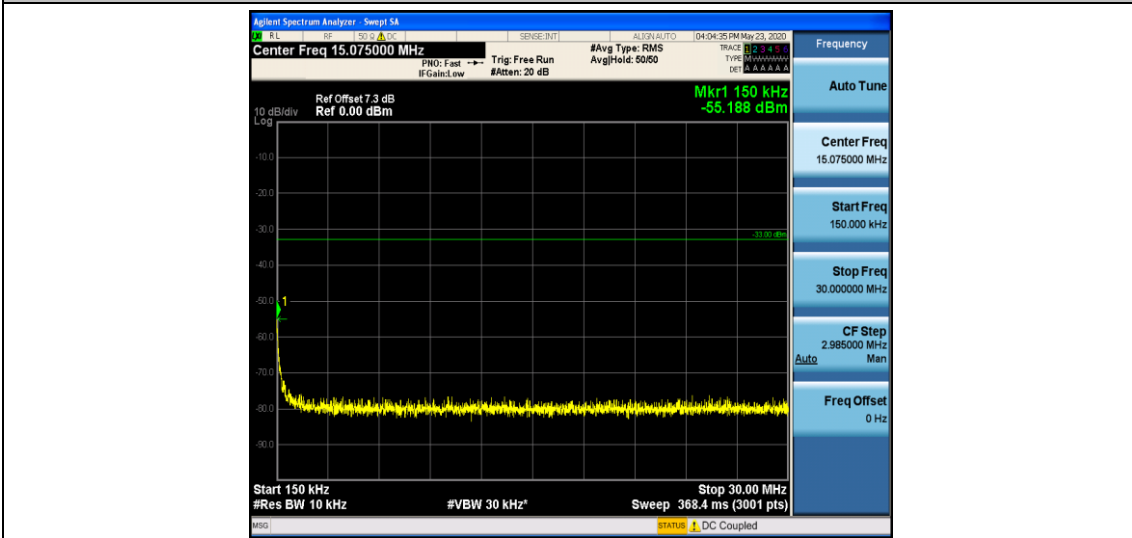
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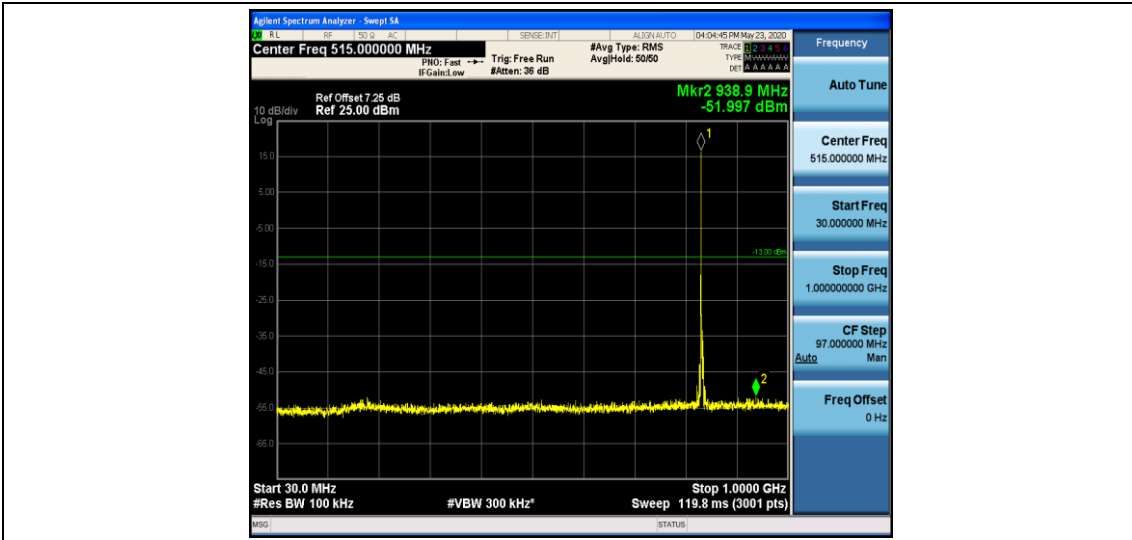
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Band5_5MHz_QPSK_20525_1RB#0



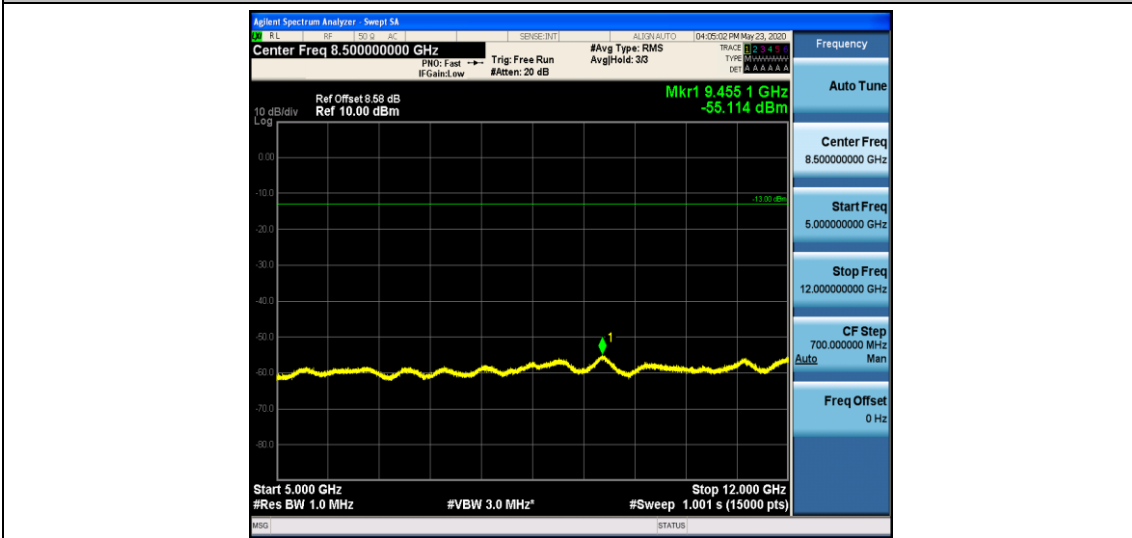
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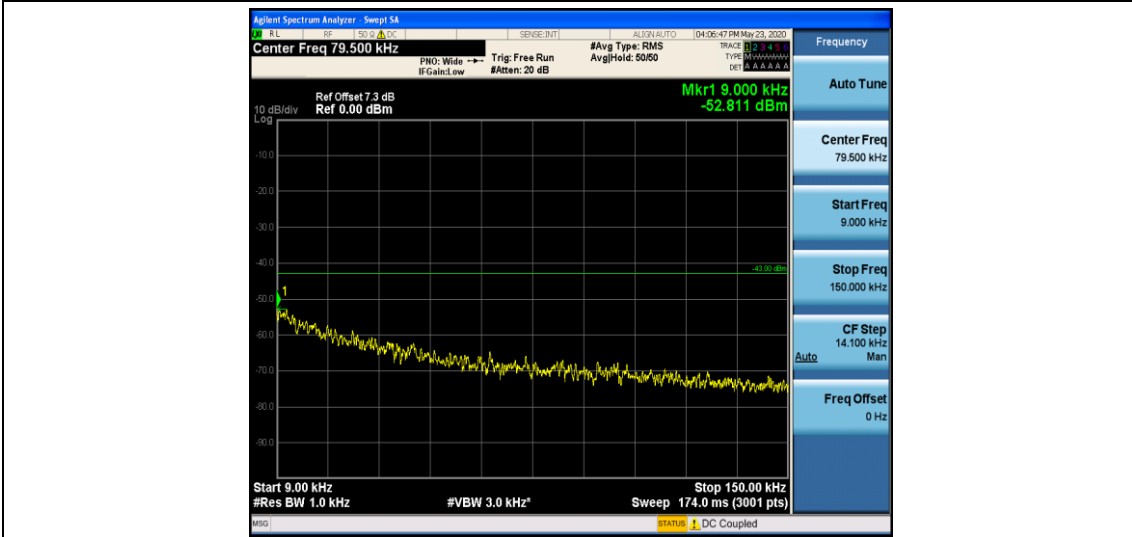
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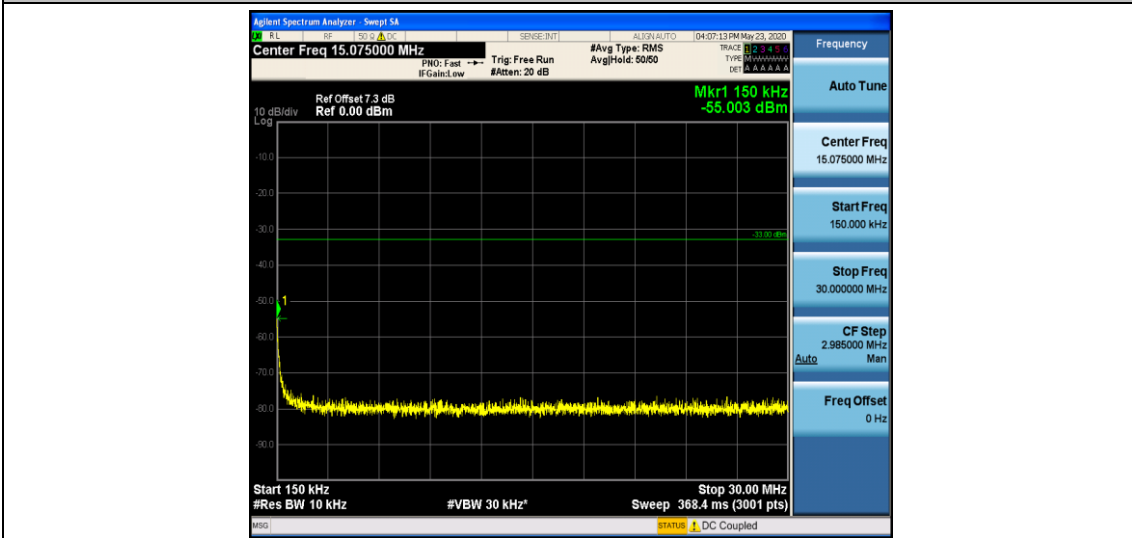
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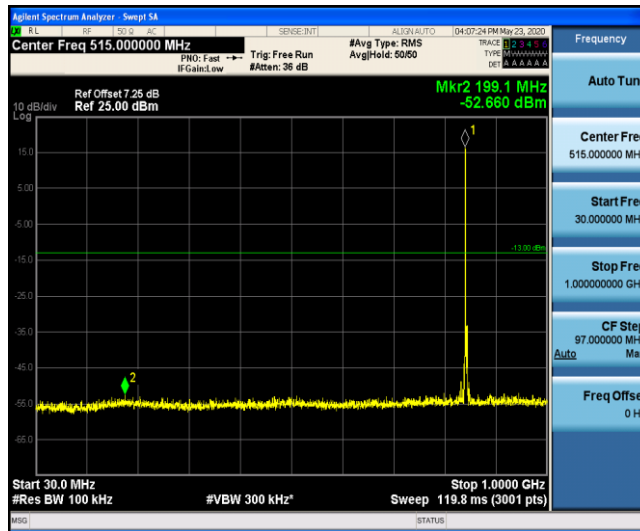
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Band5_5MHz_QPSK_20625_1RB#0



Band5_5MHz_QPSK_20625_1RB#0



Band5_5MHz_QPSK_20625_1RB#0



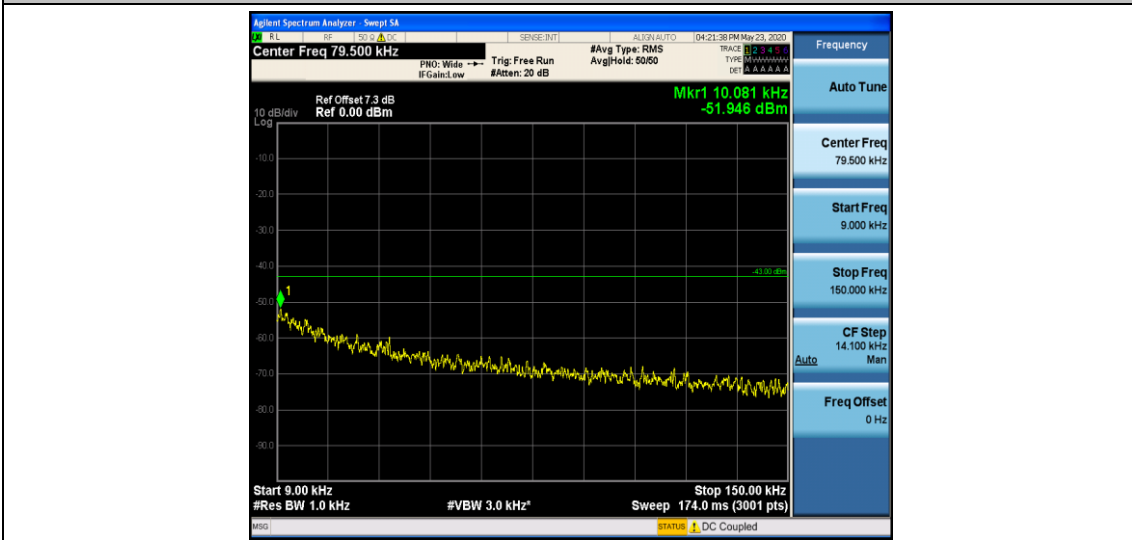
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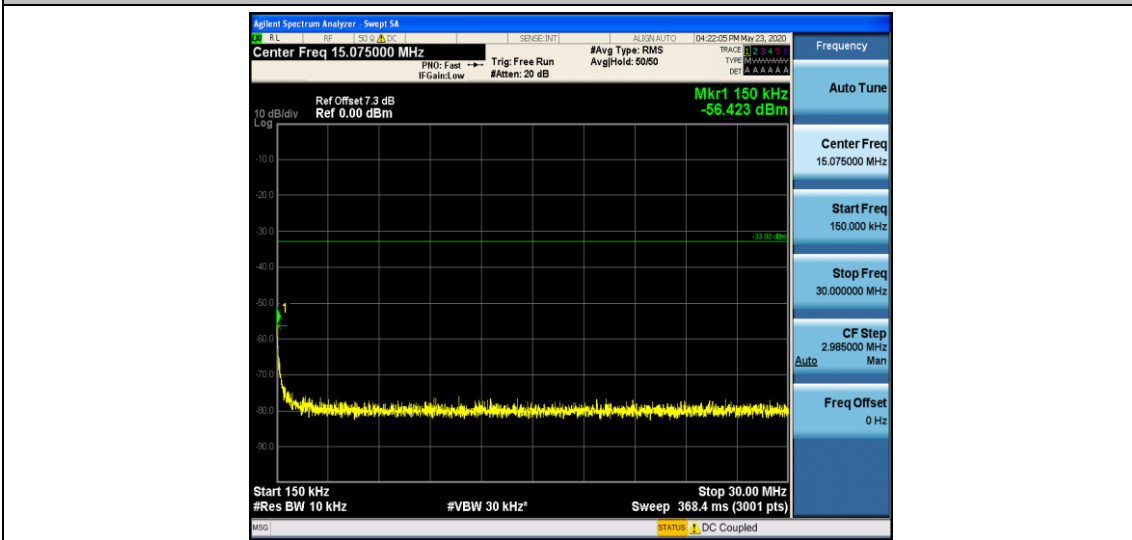
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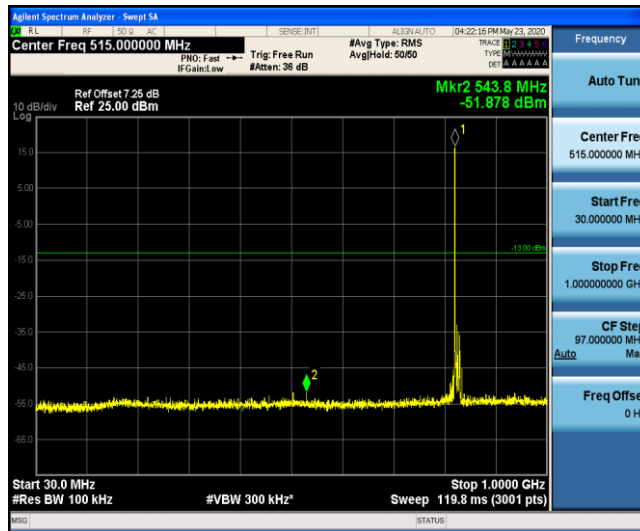
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Band5_10MHz_QPSK_20450_1RB#0



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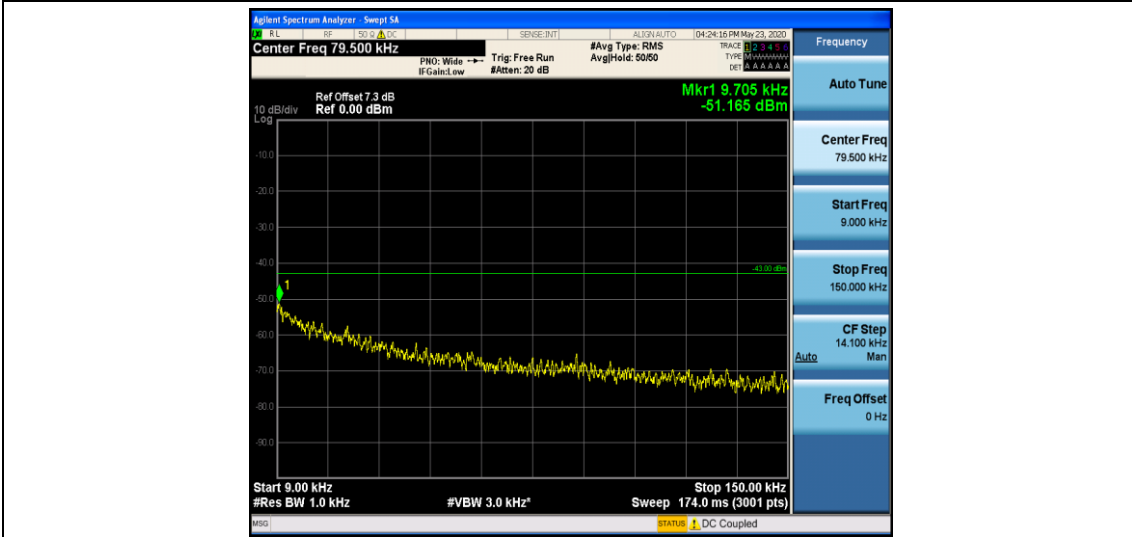
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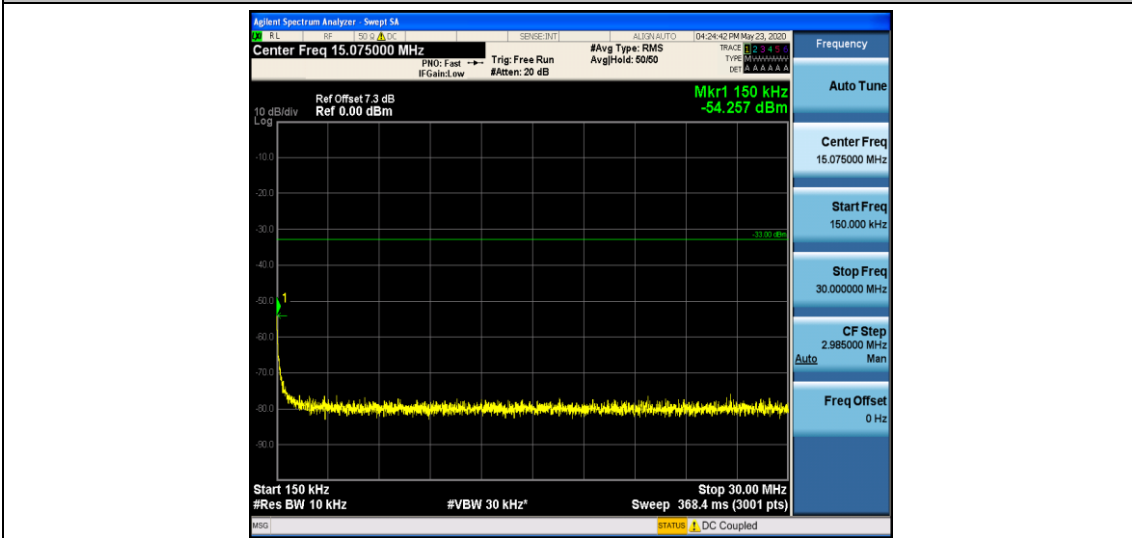
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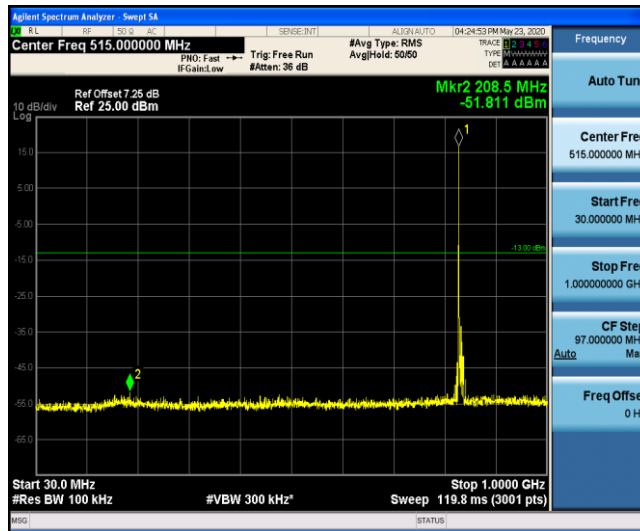
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Band5_10MHz_QPSK_20525_1RB#0



Band5_10MHz_QPSK_20525_1RB#0



Band5_10MHz_QPSK_20525_1RB#0



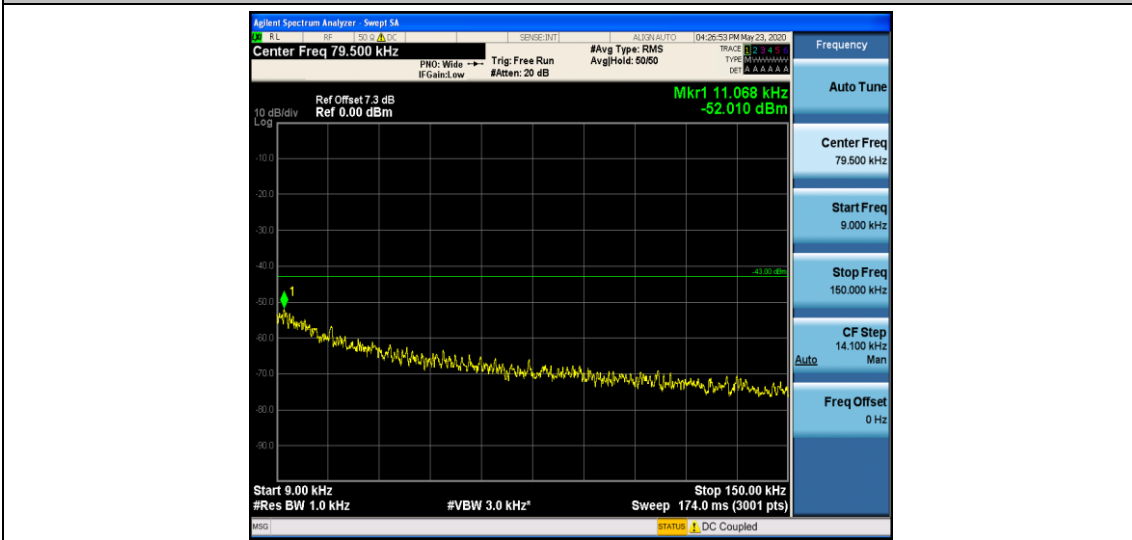
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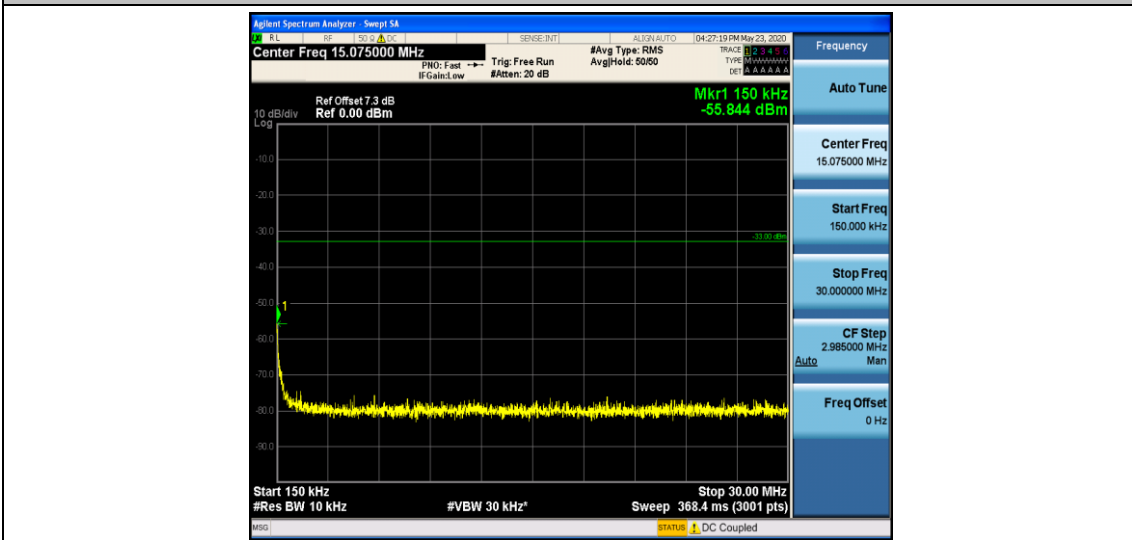
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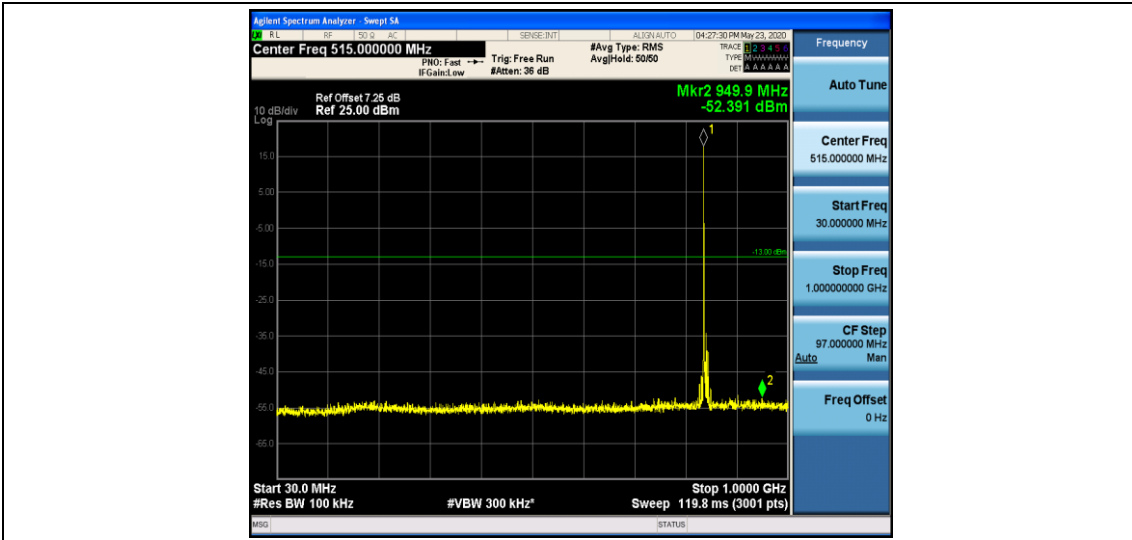
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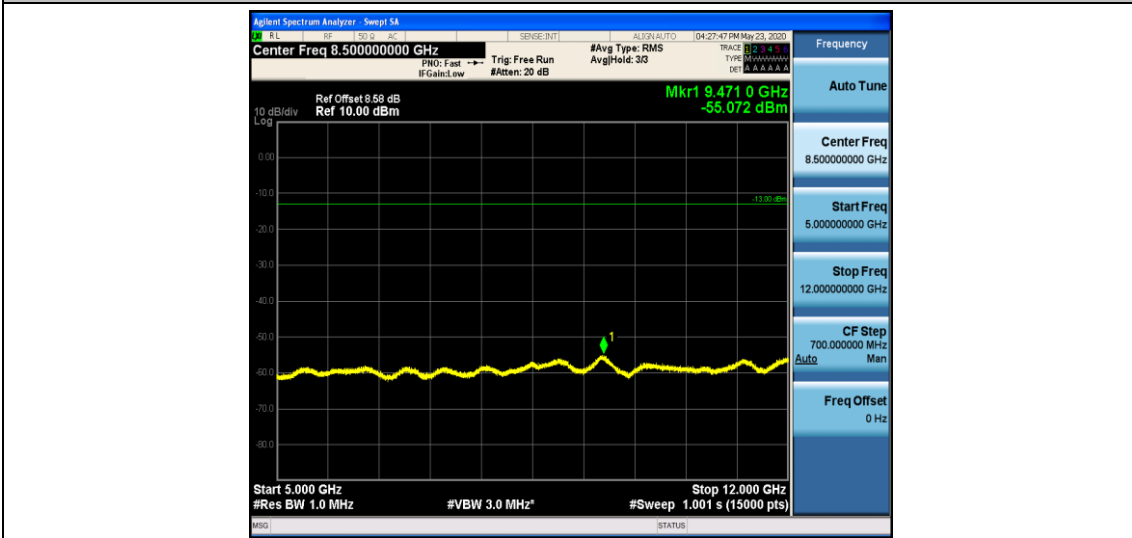
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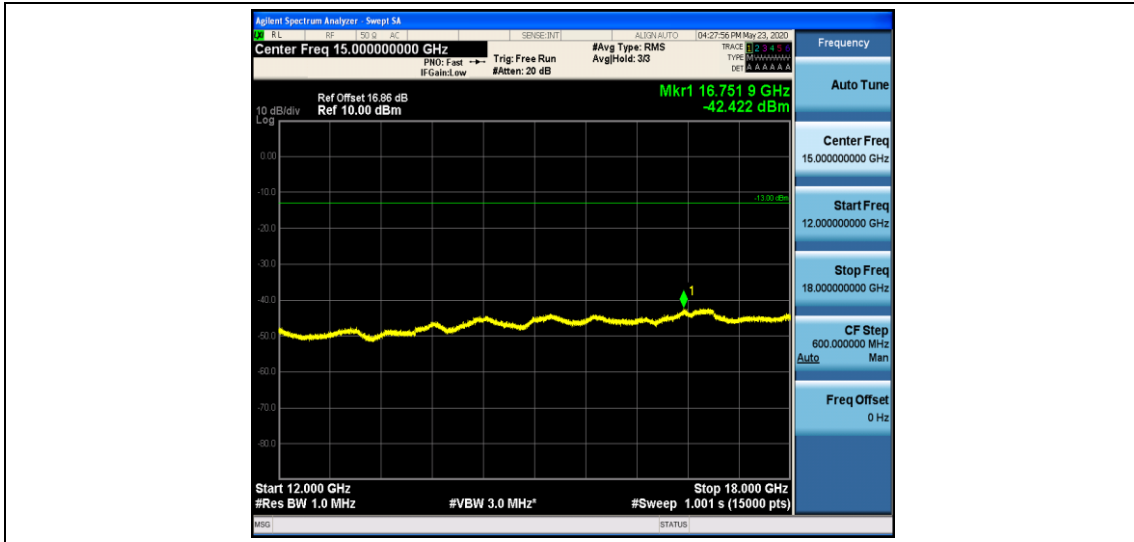
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Band5_10MHz_QPSK_20600_1RB#0



Band5_10MHz_QPSK_20600_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	2.77	0.003359	± 2.5	PASS
		VN	TN	3.22	0.003904	± 2.5	PASS
		VH	TN	0.84	0.001019	± 2.5	PASS
	MCH	VL	TN	0.53	0.000634	± 2.5	PASS
		VN	TN	0.97	0.001160	± 2.5	PASS
		VH	TN	4.34	0.005188	± 2.5	PASS
	HCH	VL	TN	2.37	0.002794	± 2.5	PASS
		VN	TN	-1.88	-0.002216	± 2.5	PASS
		VH	TN	4.27	0.005034	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.004620	0.004620	± 2.5	PASS
		VN	-20	-0.001382	-0.001382	± 2.5	PASS
		VN	-10	0.001249	0.001249	± 2.5	PASS
		VN	0	0.003941	0.003941	± 2.5	PASS
		VN	10	0.004826	0.004826	± 2.5	PASS
		VN	20	0.002571	0.002571	± 2.5	PASS
		VN	30	0.003480	0.003480	± 2.5	PASS
		VN	40	-0.000691	-0.000691	± 2.5	PASS
	MCH	VN	50	0.002910	0.002910	± 2.5	PASS
		VN	-30	0.002116	0.002116	± 2.5	PASS
		VN	-20	0.003861	0.003861	± 2.5	PASS
		VN	-10	0.002116	0.002116	± 2.5	PASS
		VN	0	-0.002092	-0.002092	± 2.5	PASS
		VN	10	0.004567	0.004567	± 2.5	PASS
		VN	20	0.005081	0.005081	± 2.5	PASS
		VN	30	0.003730	0.003730	± 2.5	PASS
		VN	40	-0.001686	-0.001686	± 2.5	PASS
		VN	50	0.004638	0.004638	± 2.5	PASS
	HCH	VN	-30	-0.001615	-0.001615	± 2.5	PASS



		VN	-20	0.002134	0.002134	± 2.5	PASS
		VN	-10	-0.001898	-0.001898	± 2.5	PASS
		VN	0	0.000931	0.000931	± 2.5	PASS
		VN	10	0.001026	0.001026	± 2.5	PASS
		VN	20	0.000684	0.000684	± 2.5	PASS
		VN	30	-0.000589	-0.000589	± 2.5	PASS
		VN	40	-0.000530	-0.000530	± 2.5	PASS
		VN	50	0.000047	0.000047	± 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	2.77	0.003356	± 2.5	PASS
		VN	TN	1.2	0.001454	± 2.5	PASS
		VH	TN	4.57	0.005536	± 2.5	PASS
	MCH	VL	TN	4.55	0.005439	± 2.5	PASS
		VN	TN	0.51	0.000610	± 2.5	PASS
		VH	TN	1.99	0.002379	± 2.5	PASS
	HCH	VL	TN	0.16	0.000189	± 2.5	PASS
		VN	TN	-0.45	-0.000531	± 2.5	PASS
		VH	TN	0.85	0.001003	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.77	-0.002144	± 2.5	PASS
		VN	-20	4.51	0.005463	± 2.5	PASS
		VN	-10	-0.55	-0.000666	± 2.5	PASS
		VN	0	-1.73	-0.002096	± 2.5	PASS
		VN	10	4.08	0.004942	± 2.5	PASS
		VN	20	3.05	0.003695	± 2.5	PASS
		VN	30	-0.53	-0.000642	± 2.5	PASS
		VN	40	4.92	0.005960	± 2.5	PASS
		VN	50	-0.31	-0.000376	± 2.5	PASS
	MCH	VN	-30	4.41	0.005272	± 2.5	PASS
		VN	-20	2.22	0.002654	± 2.5	PASS
		VN	-10	2.42	0.002893	± 2.5	PASS
		VN	0	0.97	0.001160	± 2.5	PASS
		VN	10	-1.77	-0.002116	± 2.5	PASS
		VN	20	0.53	0.000634	± 2.5	PASS



		VN	30	0.4	0.000478	± 2.5	PASS
		VN	40	1.88	0.002247	± 2.5	PASS
		VN	50	-0.22	-0.000263	± 2.5	PASS
	HCH	VN	-30	3.01	0.003552	± 2.5	PASS
		VN	-20	1.76	0.002077	± 2.5	PASS
		VN	-10	-1.88	-0.002218	± 2.5	PASS
		VN	0	1.8	0.002124	± 2.5	PASS
		VN	10	-1.73	-0.002041	± 2.5	PASS
		VN	20	1.46	0.001723	± 2.5	PASS
		VN	30	-0.73	-0.000861	± 2.5	PASS
		VN	40	3.84	0.004531	± 2.5	PASS
		VN	50	1.64	0.001935	± 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	2.77	0.003351	± 2.5	PASS
		VN	TN	0.23	0.000278	± 2.5	PASS
		VH	TN	1.59	0.001924	± 2.5	PASS
	MCH	VL	TN	-1.41	-0.001686	± 2.5	PASS
		VN	TN	1.47	0.001757	± 2.5	PASS
		VH	TN	3.29	0.003933	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.002327	± 2.5	PASS
		VN	TN	3.96	0.004678	± 2.5	PASS
		VH	TN	1.48	0.001748	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.56	0.004307	± 2.5	PASS
		VN	-20	4.13	0.004997	± 2.5	PASS
		VN	-10	3.43	0.004150	± 2.5	PASS
		VN	0	0.66	0.000799	± 2.5	PASS
		VN	10	-1.74	-0.002105	± 2.5	PASS
		VN	20	0.17	0.000206	± 2.5	PASS
		VN	30	0.5	0.000605	± 2.5	PASS
		VN	40	4.17	0.005045	± 2.5	PASS
		VN	50	2.37	0.002868	± 2.5	PASS
	MCH	VN	-30	-1.37	-0.001638	± 2.5	PASS
		VN	-20	-1.49	-0.001781	± 2.5	PASS



	VN	-10	0.96	0.001148	± 2.5	PASS	
		VN	0	0.49	0.000586	± 2.5	PASS
		VN	10	3.21	0.003837	± 2.5	PASS
		VN	20	4.43	0.005296	± 2.5	PASS
		VN	30	-1.82	-0.002176	± 2.5	PASS
		VN	40	-1.84	-0.002200	± 2.5	PASS
		VN	50	2.79	0.003335	± 2.5	PASS
	HCH	VN	-30	3.11	0.003674	± 2.5	PASS
		VN	-20	-1.5	-0.001772	± 2.5	PASS
		VN	-10	3.26	0.003851	± 2.5	PASS
		VN	0	0.73	0.000862	± 2.5	PASS
		VN	10	3.61	0.004265	± 2.5	PASS
		VN	20	4.16	0.004914	± 2.5	PASS
		VN	30	3.12	0.003686	± 2.5	PASS
		VN	40	1.82	0.002150	± 2.5	PASS
		VN	50	2.96	0.003497	± 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	2.77	0.003341	± 2.5	PASS
		VN	TN	0.85	0.001025	± 2.5	PASS
		VH	TN	-0.44	-0.000531	± 2.5	PASS
	MCH	VL	TN	-1.6	-0.001913	± 2.5	PASS
		VN	TN	1.9	0.002271	± 2.5	PASS
		VH	TN	1.6	0.001913	± 2.5	PASS
	HCH	VL	TN	-1.52	-0.001801	± 2.5	PASS
		VN	TN	-0.48	-0.000569	± 2.5	PASS
		VH	TN	-1.82	-0.002156	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.08	0.004922	± 2.5	PASS
		VN	-20	3.7	0.004463	± 2.5	PASS
		VN	-10	-0.97	-0.001170	± 2.5	PASS
		VN	0	3.98	0.004801	± 2.5	PASS
		VN	10	0.16	0.000193	± 2.5	PASS
		VN	20	3.28	0.003957	± 2.5	PASS
		VN	30	0.32	0.000386	± 2.5	PASS



		VN	40	3.79	0.004572	± 2.5	PASS
		VN	50	3.83	0.004620	± 2.5	PASS
	MCH	VN	-30	2.44	0.002917	± 2.5	PASS
		VN	-20	2.49	0.002977	± 2.5	PASS
		VN	-10	3.09	0.003694	± 2.5	PASS
		VN	0	0.25	0.000299	± 2.5	PASS
		VN	10	1.41	0.001686	± 2.5	PASS
		VN	20	4.48	0.005356	± 2.5	PASS
		VN	30	1.42	0.001698	± 2.5	PASS
		VN	40	-0.7	-0.000837	± 2.5	PASS
		VN	50	2.18	0.002606	± 2.5	PASS
		HCH	VN	-30	3.2	0.003791	± 2.5
	VN		-20	1.66	0.001967	± 2.5	PASS
	VN		-10	3.14	0.003720	± 2.5	PASS
	VN		0	-1.09	-0.001291	± 2.5	PASS
	VN		10	3.66	0.004336	± 2.5	PASS
	VN		20	-0.26	-0.000308	± 2.5	PASS
	VN		30	-1.28	-0.001517	± 2.5	PASS
	VN		40	0.91	0.001078	± 2.5	PASS
	VN		50	1.71	0.002026	± 2.5	PASS
VN	50		4.08	0.004922	± 2.5	PASS	