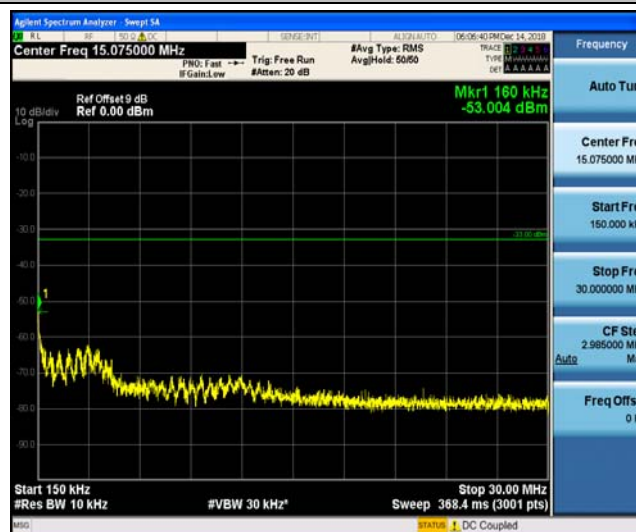




Band2_3MHz_16QAM_19185_1RB#0



Band2_3MHz_16QAM_19185_1RB#0



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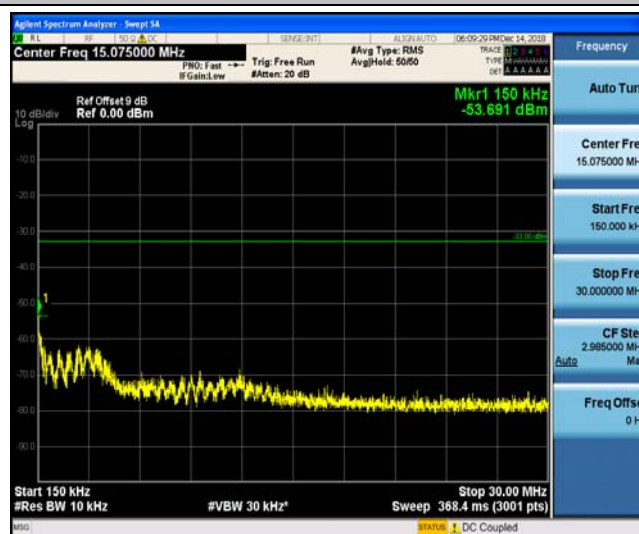
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Band2_5MHz_QPSK_18625_1RB#0



Band2_5MHz_QPSK_18625_1RB#0



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Band2_5MHz_QPSK_18625_1RB#0



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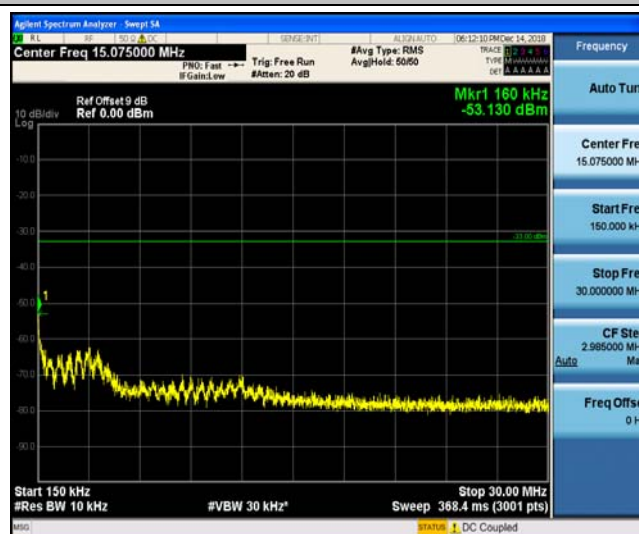
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Band2_5MHz_QPSK_18900_1RB#0



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Band2_5MHz_QPSK_18900_1RB#0



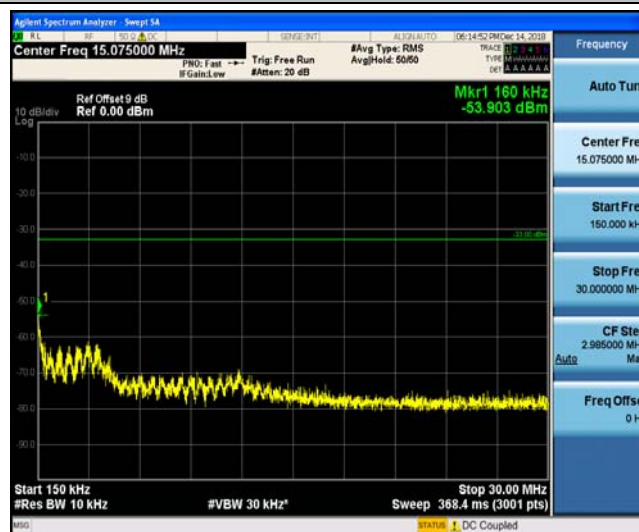
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Band2_5MHz_QPSK_19175_1RB#0



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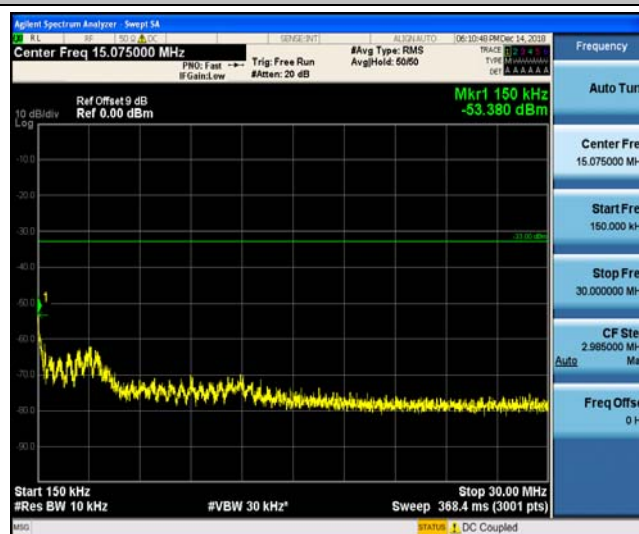
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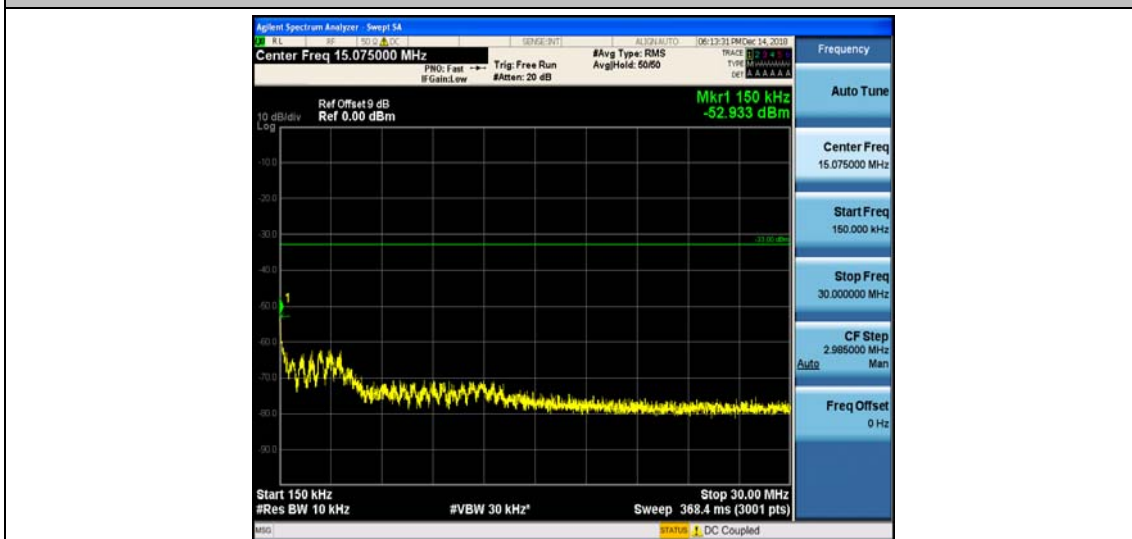
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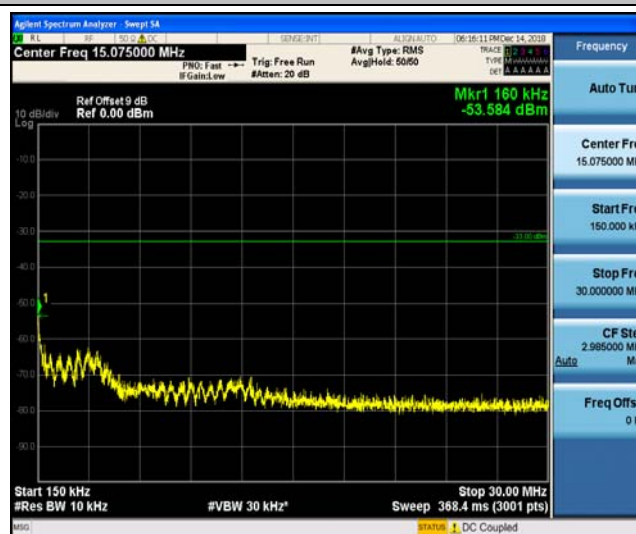
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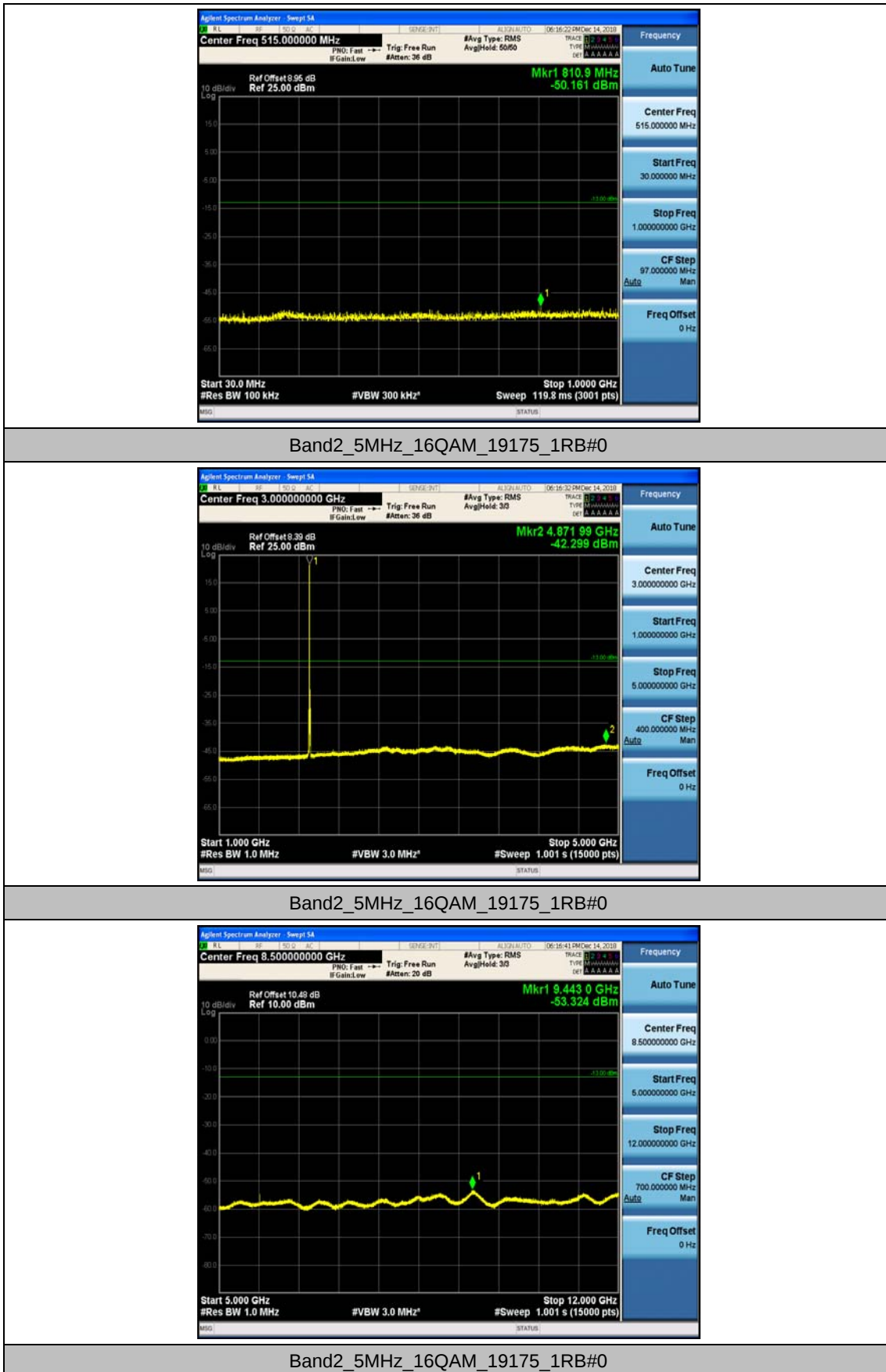
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Band2_5MHz_16QAM_19175_1RB#0



Band2_5MHz_16QAM_19175_1RB#0

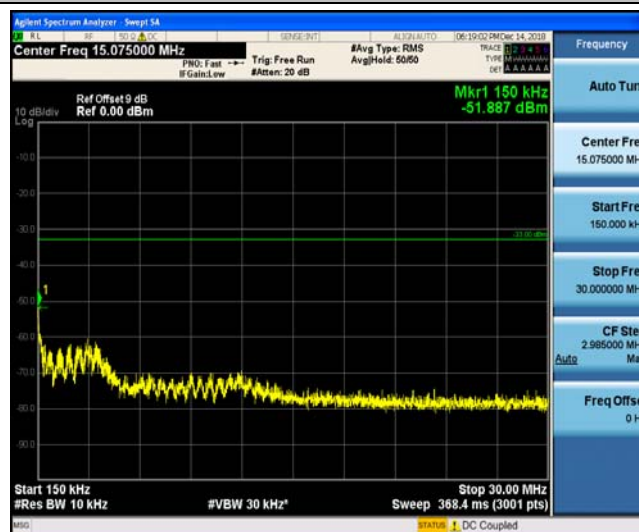




Band2_10MHz_QPSK_18650_1RB#0



Band2_10MHz_QPSK_18650_1RB#0



Band2_10MHz_QPSK_18650_1RB#0



Band2_10MHz_QPSK_18650_1RB#0



Band2_10MHz_QPSK_18650_1RB#0



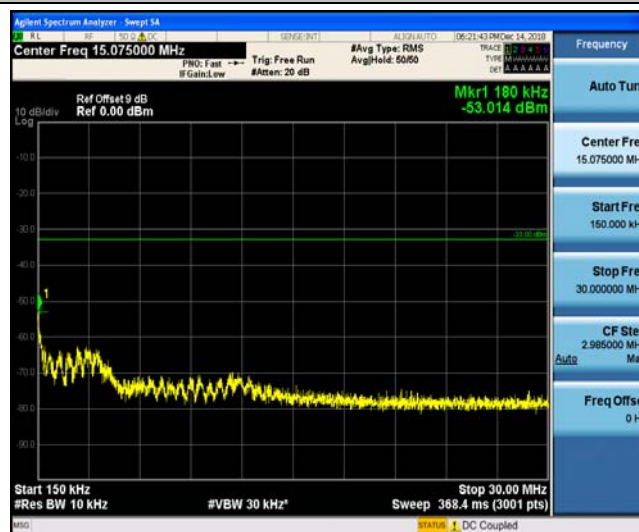
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Band2_10MHz_QPSK_18900_1RB#0



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Band2_10MHz_QPSK_18900_1RB#0



Band2_10MHz_QPSK_18900_1RB#0



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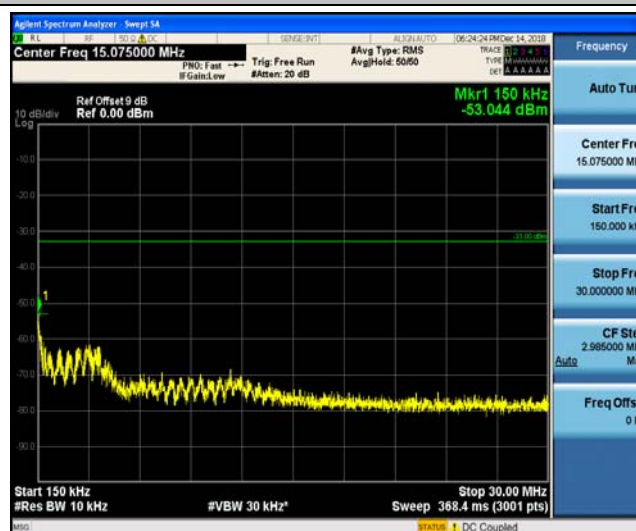
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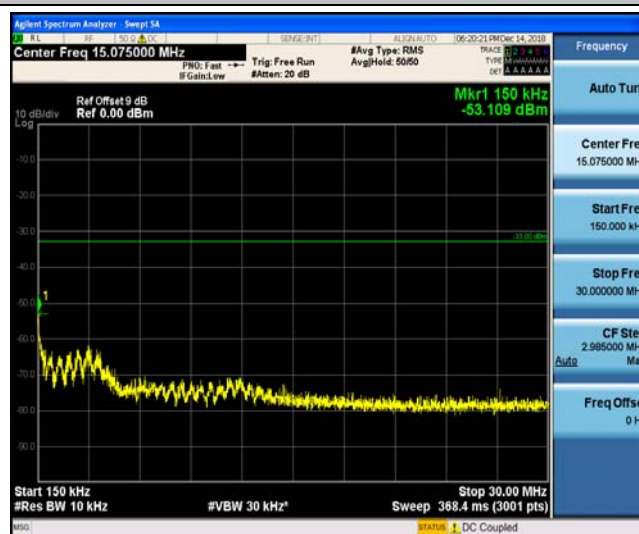
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Band2_10MHz_16QAM_18650_1RB#0



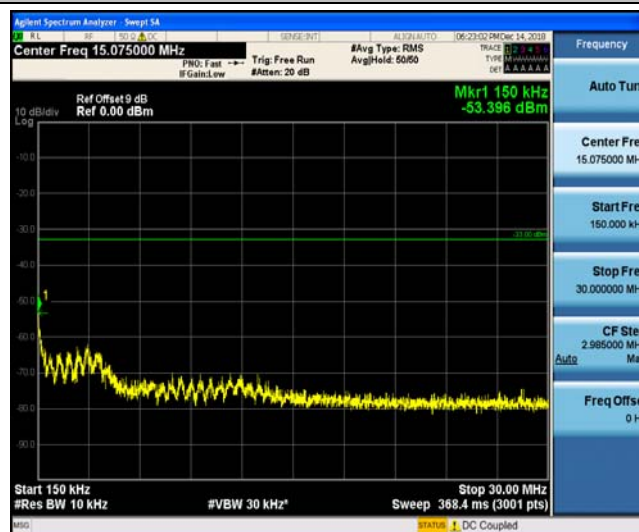
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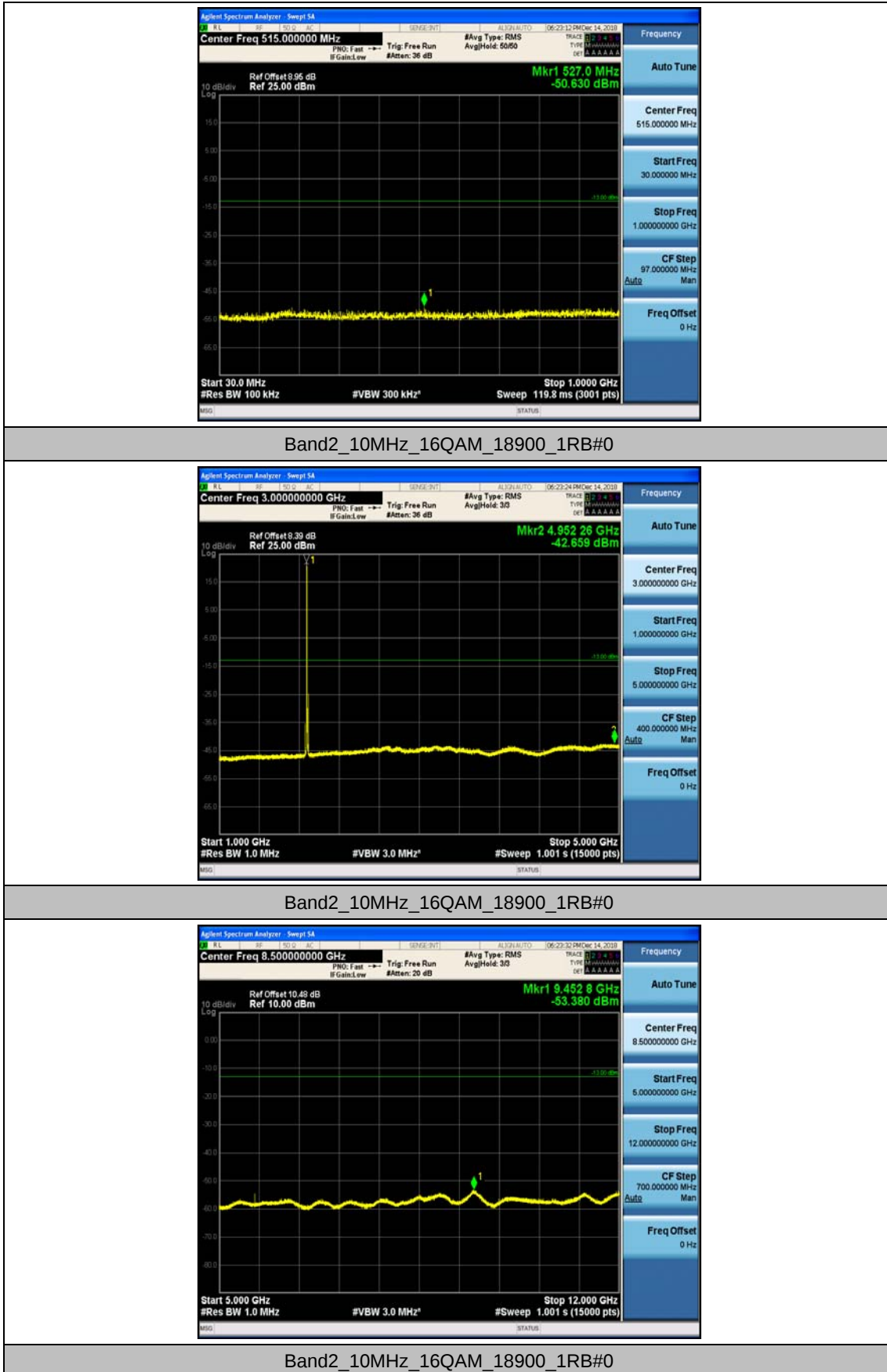
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Band2_10MHz_16QAM_18900_1RB#0

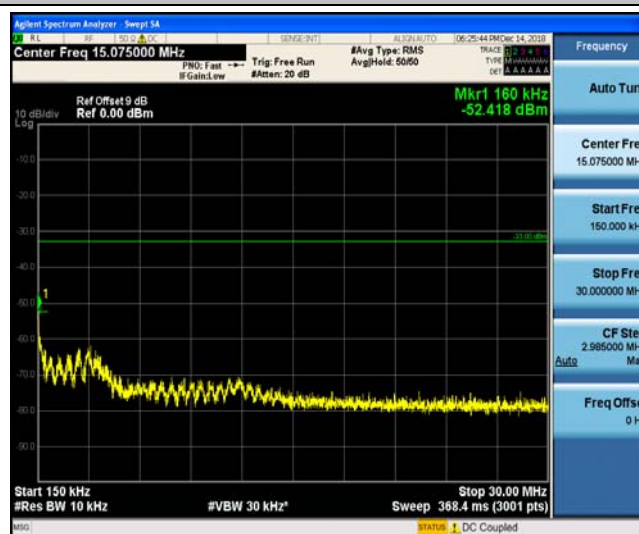




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Band2_10MHz_16QAM_19150_1RB#0



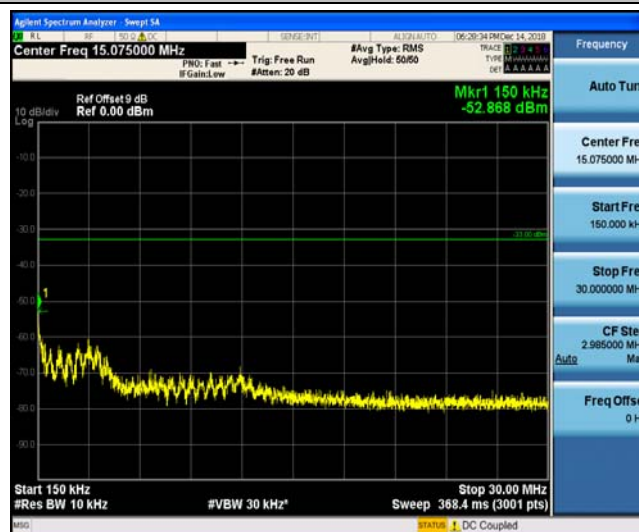
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Band2_15MHz_QPSK_18675_1RB#0



Band2_15MHz_QPSK_18675_1RB#0



Band2_15MHz_QPSK_18675_1RB#0



Band2_15MHz_QPSK_18675_1RB#0



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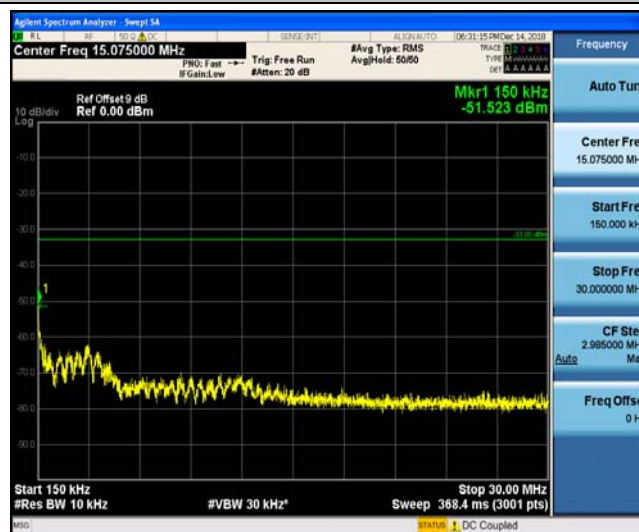
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Band2_15MHz_QPSK_18900_1RB#0



Band2_15MHz_QPSK_18900_1RB#0



Band2_15MHz_QPSK_18900_1RB#0



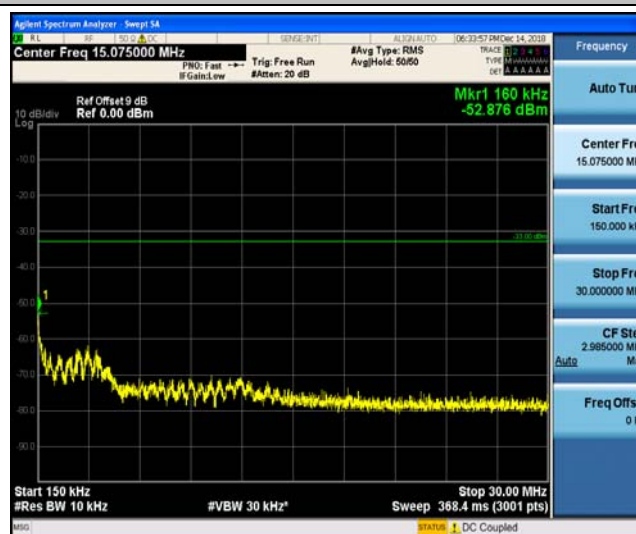
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Band2_15MHz_QPSK_19125_1RB#0



Band2_15MHz_QPSK_19125_1RB#0



Band2_15MHz_QPSK_19125_1RB#0



Band2_15MHz_QPSK_19125_1RB#0



Band2_15MHz_QPSK_19125_1RB#0



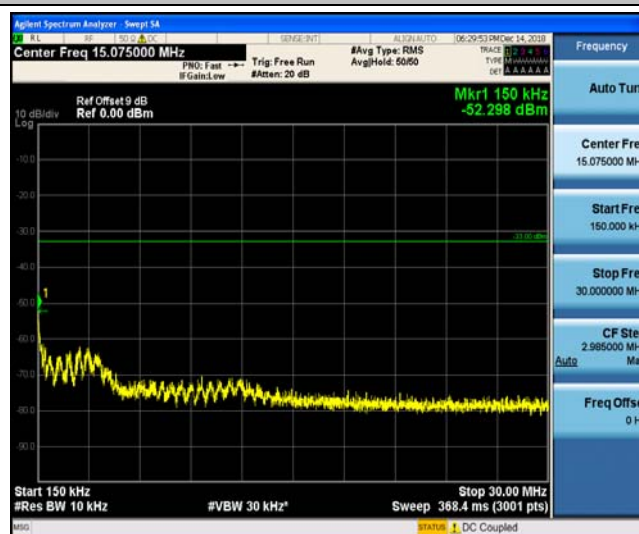
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Band2_15MHz_16QAM_18675_1RB#0



Band2_15MHz_16QAM_18675_1RB#0



Band2_15MHz_16QAM_18675_1RB#0



Band2_15MHz_16QAM_18675_1RB#0



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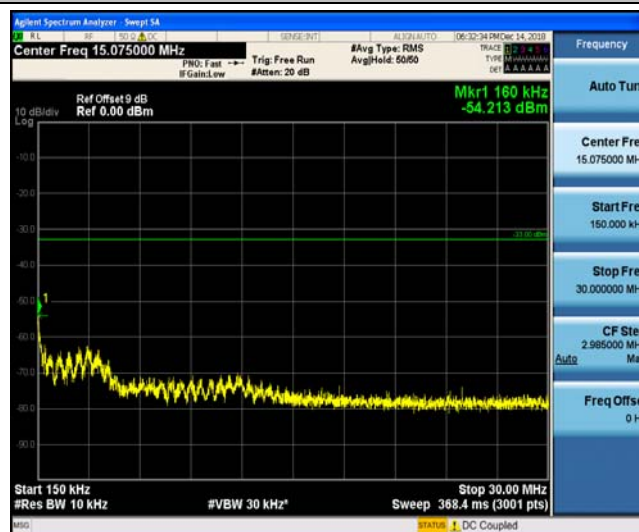
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Band2_15MHz_16QAM_18900_1RB#0



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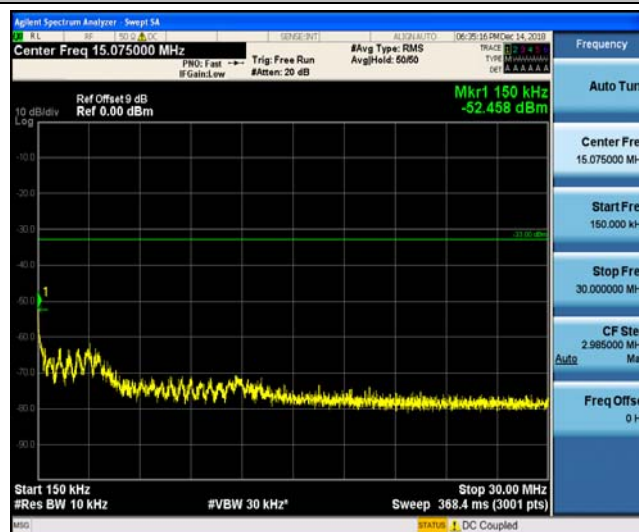
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Band2_15MHz_16QAM_19125_1RB#0



Band2_15MHz_16QAM_19125_1RB#0



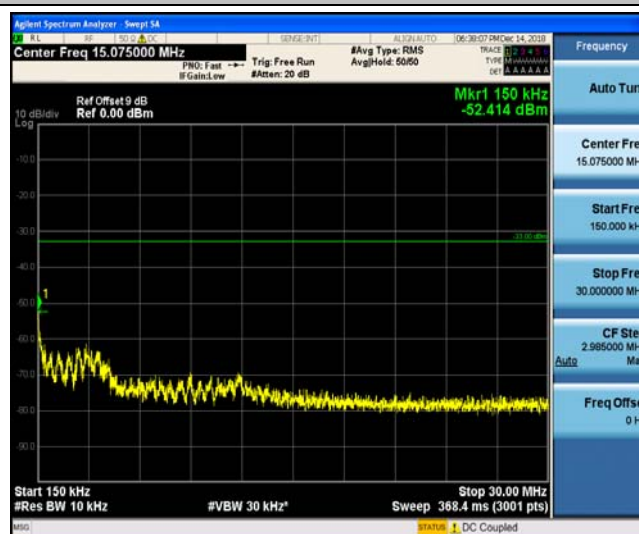
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Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_1RB#0



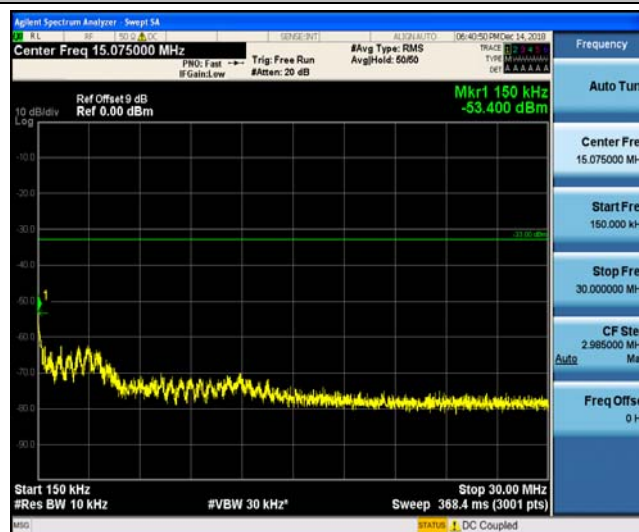
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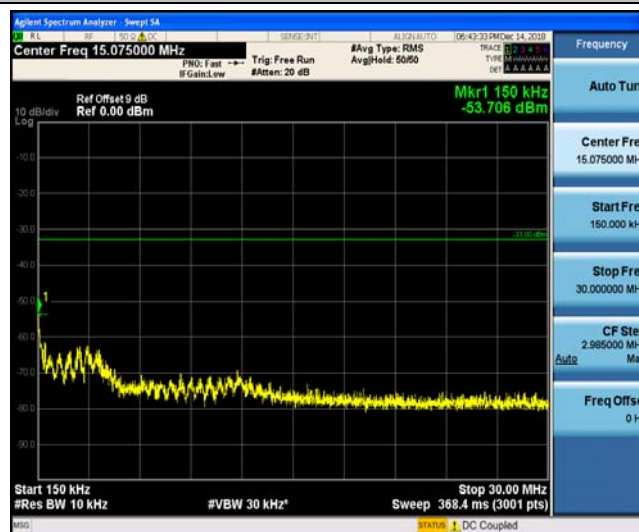
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Band2_20MHz_QPSK_19100_1RB#0



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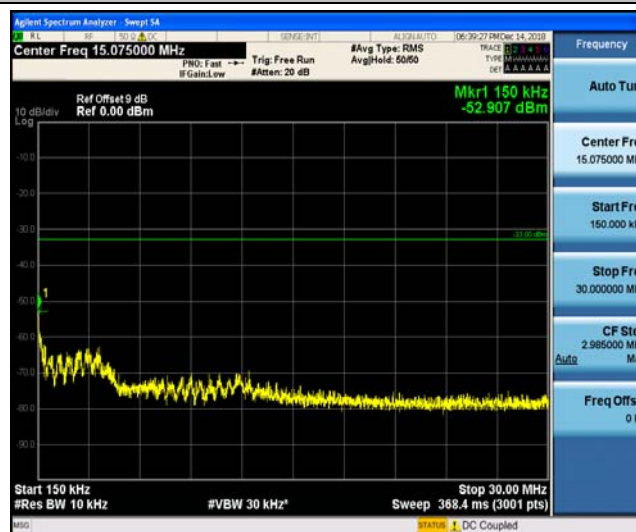
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Band2_20MHz_16QAM_18700_1RB#0



Band2_20MHz_16QAM_18700_1RB#0



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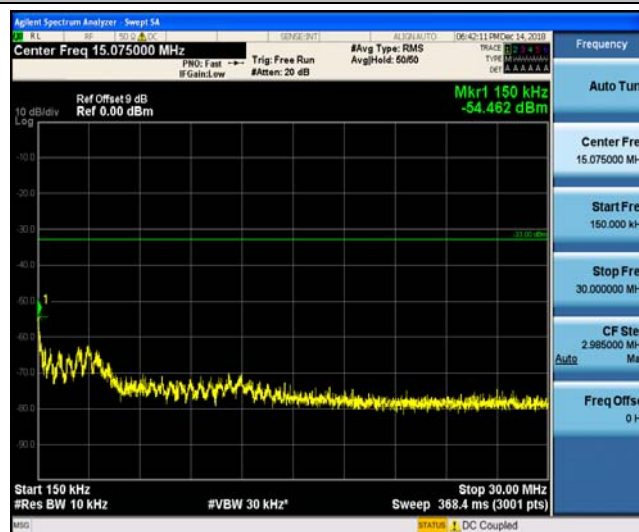
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Band2_20MHz_16QAM_18900_1RB#0



Band2_20MHz_16QAM_18900_1RB#0



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Band2_20MHz_16QAM_18900_1RB#0



Band2_20MHz_16QAM_18900_1RB#0



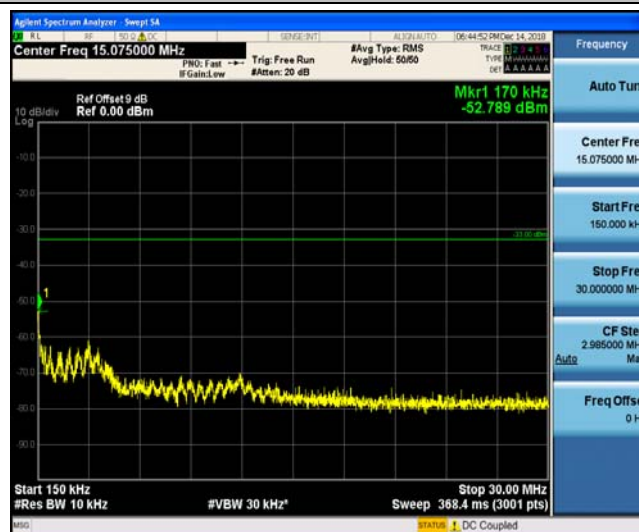
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Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_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	-0.58	-0.000313	± 2.5	PASS
		VN	TN	-0.03	-0.000016	± 2.5	PASS
		VH	TN	2.88	0.001556	± 2.5	PASS
	MCH	VL	TN	2.97	0.001580	± 2.5	PASS
		VN	TN	1.74	0.000926	± 2.5	PASS
		VH	TN	3.05	0.001622	± 2.5	PASS
	HCH	VL	TN	-0.51	-0.000267	± 2.5	PASS
		VN	TN	2.59	0.001357	± 2.5	PASS
		VH	TN	1.92	0.001006	± 2.5	PASS
16QAM	LCH	VL	TN	3.93	0.002124	± 2.5	PASS
		VN	TN	-0.86	-0.000465	± 2.5	PASS
		VH	TN	1.62	0.000875	± 2.5	PASS
	MCH	VL	TN	2.95	0.001569	± 2.5	PASS
		VN	TN	-0.65	-0.000346	± 2.5	PASS
		VH	TN	2.35	0.001250	± 2.5	PASS
	HCH	VL	TN	1.3	0.000681	± 2.5	PASS
		VN	TN	-1.69	-0.000885	± 2.5	PASS
		VH	TN	3.84	0.002011	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.77	0.000956	± 2.5	PASS
		VN	-20	2.03	0.001097	± 2.5	PASS
		VN	-10	4.71	0.002545	± 2.5	PASS
		VN	0	3.89	0.002102	± 2.5	PASS
		VN	10	-0.51	-0.000276	± 2.5	PASS
		VN	20	3.22	0.001740	± 2.5	PASS
		VN	30	0.98	0.000530	± 2.5	PASS
		VN	40	2.9	0.001567	± 2.5	PASS
	MCH	VN	50	1.06	0.000573	± 2.5	PASS
		VN	-30	2.03	0.001080	± 2.5	PASS
		VN	-20	3.25	0.001729	± 2.5	PASS

		VN	-10	1.76	0.000936	± 2.5	PASS
		VN	0	-1.68	-0.000894	± 2.5	PASS
		VN	10	-0.43	-0.000229	± 2.5	PASS
		VN	20	3.32	0.001766	± 2.5	PASS
		VN	30	-0.48	-0.000255	± 2.5	PASS
		VN	40	-1.02	-0.000543	± 2.5	PASS
		VN	50	1.39	0.000739	± 2.5	PASS
	HCH	VN	-30	4.8	0.002514	± 2.5	PASS
		VN	-20	-0.89	-0.000466	± 2.5	PASS
		VN	-10	-0.61	-0.000319	± 2.5	PASS
		VN	0	0.2	0.000105	± 2.5	PASS
		VN	10	2.38	0.001247	± 2.5	PASS
		VN	20	3.37	0.001765	± 2.5	PASS
		VN	30	4.62	0.002420	± 2.5	PASS
		VN	40	-0.19	-0.000100	± 2.5	PASS
		VN	50	0.04	0.000021	± 2.5	PASS
16QAM	LCH	VN	-30	0.24	0.000130	± 2.5	PASS
		VN	-20	3.23	0.001745	± 2.5	PASS
		VN	-10	3.2	0.001729	± 2.5	PASS
		VN	0	4.8	0.002594	± 2.5	PASS
		VN	10	1.33	0.000719	± 2.5	PASS
		VN	20	-0.66	-0.000357	± 2.5	PASS
		VN	30	1.72	0.000929	± 2.5	PASS
		VN	40	3.27	0.001767	± 2.5	PASS
		VN	50	1.79	0.000967	± 2.5	PASS
	MCH	VN	-30	0.35	0.000186	± 2.5	PASS
		VN	-20	3.91	0.002080	± 2.5	PASS
		VN	-10	2.95	0.001569	± 2.5	PASS
		VN	0	2.28	0.001213	± 2.5	PASS
		VN	10	-0.32	-0.000170	± 2.5	PASS
		VN	20	3.75	0.001995	± 2.5	PASS
		VN	30	3.74	0.001989	± 2.5	PASS
		VN	40	1.65	0.000878	± 2.5	PASS
		VN	50	3.74	0.001989	± 2.5	PASS
	HCH	VN	-30	0.66	0.000346	± 2.5	PASS
		VN	-20	4.16	0.002179	± 2.5	PASS
		VN	-10	3.33	0.001744	± 2.5	PASS
		VN	0	2.38	0.001247	± 2.5	PASS
		VN	10	0.93	0.000487	± 2.5	PASS
		VN	20	-1.13	-0.000592	± 2.5	PASS
		VN	30	4.05	0.002121	± 2.5	PASS

		VN	40	2.7	0.001414	± 2.5	PASS
		VN	50	0.75	0.000393	± 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	-0.17	-0.000092	± 2.5	PASS
		VN	TN	0.96	0.000518	± 2.5	PASS
		VH	TN	0.64	0.000346	± 2.5	PASS
	MCH	VL	TN	1.93	0.001027	± 2.5	PASS
		VN	TN	3.59	0.001910	± 2.5	PASS
		VH	TN	-1.91	-0.001016	± 2.5	PASS
	HCH	VL	TN	0.07	0.000037	± 2.5	PASS
		VN	TN	0.5	0.000262	± 2.5	PASS
		VH	TN	3.59	0.001881	± 2.5	PASS
16QAM	LCH	VL	TN	-0.97	-0.000524	± 2.5	PASS
		VN	TN	2.06	0.001113	± 2.5	PASS
		VH	TN	3.02	0.001631	± 2.5	PASS
	MCH	VL	TN	0.65	0.000346	± 2.5	PASS
		VN	TN	-1.25	-0.000665	± 2.5	PASS
		VH	TN	4.6	0.002447	± 2.5	PASS
	HCH	VL	TN	3.47	0.001818	± 2.5	PASS
		VN	TN	3.23	0.001692	± 2.5	PASS
		VH	TN	1.72	0.000901	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.92	0.001037	± 2.5	PASS
		VN	-20	4.83	0.002609	± 2.5	PASS
		VN	-10	-1.17	-0.000632	± 2.5	PASS
		VN	0	-1.67	-0.000902	± 2.5	PASS
		VN	10	3.56	0.001923	± 2.5	PASS
		VN	20	4.2	0.002268	± 2.5	PASS
		VN	30	-1.42	-0.000767	± 2.5	PASS
		VN	40	0.28	0.000151	± 2.5	PASS
		VN	50	-1.78	-0.000961	± 2.5	PASS
	MCH	VN	-30	3.05	0.001622	± 2.5	PASS
		VN	-20	1.9	0.001011	± 2.5	PASS
		VN	-10	4.02	0.002138	± 2.5	PASS

		VN	0	0.54	0.000287	± 2.5	PASS
		VN	10	4.56	0.002426	± 2.5	PASS
		VN	20	0.76	0.000404	± 2.5	PASS
		VN	30	-1.59	-0.000846	± 2.5	PASS
		VN	40	0.76	0.000404	± 2.5	PASS
		VN	50	3.94	0.002096	± 2.5	PASS
	HCH	VN	-30	3.21	0.001682	± 2.5	PASS
		VN	-20	-1.41	-0.000739	± 2.5	PASS
		VN	-10	1.46	0.000765	± 2.5	PASS
		VN	0	3.16	0.001656	± 2.5	PASS
		VN	10	4.43	0.002321	± 2.5	PASS
		VN	20	4.96	0.002599	± 2.5	PASS
		VN	30	4.15	0.002174	± 2.5	PASS
		VN	40	-0.78	-0.000409	± 2.5	PASS
		VN	50	0.41	0.000215	± 2.5	PASS
16QAM	LCH	VN	-30	4.74	0.002560	± 2.5	PASS
		VN	-20	0.03	0.000016	± 2.5	PASS
		VN	-10	0.45	0.000243	± 2.5	PASS
		VN	0	-1.32	-0.000713	± 2.5	PASS
		VN	10	4.7	0.002538	± 2.5	PASS
		VN	20	3.1	0.001674	± 2.5	PASS
		VN	30	-1.67	-0.000902	± 2.5	PASS
		VN	40	3.63	0.001961	± 2.5	PASS
		VN	50	-1.28	-0.000691	± 2.5	PASS
	MCH	VN	-30	-1.14	-0.000606	± 2.5	PASS
		VN	-20	4.04	0.002149	± 2.5	PASS
		VN	-10	4.81	0.002559	± 2.5	PASS
		VN	0	-0.01	-0.000005	± 2.5	PASS
		VN	10	4.46	0.002372	± 2.5	PASS
		VN	20	0.1	0.000053	± 2.5	PASS
		VN	30	4.79	0.002548	± 2.5	PASS
		VN	40	-0.06	-0.000032	± 2.5	PASS
		VN	50	4.35	0.002314	± 2.5	PASS
	HCH	VN	-30	0.66	0.000346	± 2.5	PASS
		VN	-20	-1.46	-0.000765	± 2.5	PASS
		VN	-10	4.23	0.002216	± 2.5	PASS
		VN	0	3.62	0.001897	± 2.5	PASS
		VN	10	3	0.001572	± 2.5	PASS
		VN	20	3.12	0.001635	± 2.5	PASS
		VN	30	-1.46	-0.000765	± 2.5	PASS
		VN	40	4.81	0.002520	± 2.5	PASS

		VN	50	1.57	0.000823	± 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	0.63	0.000340	± 2.5	PASS
		VN	TN	-1.32	-0.000713	± 2.5	PASS
		VH	TN	2.04	0.001101	± 2.5	PASS
	MCH	VL	TN	-1.79	-0.000952	± 2.5	PASS
		VN	TN	-0.72	-0.000383	± 2.5	PASS
		VH	TN	1.47	0.000782	± 2.5	PASS
	HCH	VL	TN	-0.18	-0.000094	± 2.5	PASS
		VN	TN	1.79	0.000938	± 2.5	PASS
		VH	TN	3.39	0.001777	± 2.5	PASS
16QAM	LCH	VL	TN	4.12	0.002224	± 2.5	PASS
		VN	TN	0.6	0.000324	± 2.5	PASS
		VH	TN	2.98	0.001609	± 2.5	PASS
	MCH	VL	TN	3.95	0.002101	± 2.5	PASS
		VN	TN	0.99	0.000527	± 2.5	PASS
		VH	TN	2.56	0.001362	± 2.5	PASS
	HCH	VL	TN	-1.43	-0.000750	± 2.5	PASS
		VN	TN	2.4	0.001258	± 2.5	PASS
		VH	TN	4.05	0.002123	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.35	0.000189	± 2.5	PASS
		VN	-20	2.81	0.001517	± 2.5	PASS
		VN	-10	0.97	0.000524	± 2.5	PASS
		VN	0	1.11	0.000599	± 2.5	PASS
		VN	10	3.24	0.001749	± 2.5	PASS
		VN	20	1.25	0.000675	± 2.5	PASS
		VN	30	3.27	0.001765	± 2.5	PASS
		VN	40	4.64	0.002505	± 2.5	PASS
		VN	50	-0.56	-0.000302	± 2.5	PASS
	MCH	VN	-30	-1.09	-0.000580	± 2.5	PASS
		VN	-20	-0.46	-0.000245	± 2.5	PASS
		VN	-10	-0.33	-0.000176	± 2.5	PASS
		VN	0	3.46	0.001840	± 2.5	PASS

		VN	10	2.48	0.001319	± 2.5	PASS
		VN	20	-1.81	-0.000963	± 2.5	PASS
		VN	30	1.03	0.000548	± 2.5	PASS
		VN	40	2.68	0.001426	± 2.5	PASS
		VN	50	0.78	0.000415	± 2.5	PASS
	HCH	VN	-30	4.19	0.002197	± 2.5	PASS
		VN	-20	3.69	0.001934	± 2.5	PASS
		VN	-10	1.45	0.000760	± 2.5	PASS
		VN	0	-0.1	-0.000052	± 2.5	PASS
		VN	10	0.06	0.000031	± 2.5	PASS
		VN	20	3.85	0.002018	± 2.5	PASS
		VN	30	3.34	0.001751	± 2.5	PASS
		VN	40	3.31	0.001735	± 2.5	PASS
		VN	50	-1.09	-0.000571	± 2.5	PASS
		VN	-30	-0.08	-0.000043	± 2.5	PASS
16QAM	LCH	VN	-20	3.09	0.001668	± 2.5	PASS
		VN	-10	2.71	0.001463	± 2.5	PASS
		VN	0	1.29	0.000696	± 2.5	PASS
		VN	10	0.32	0.000173	± 2.5	PASS
		VN	20	4.07	0.002197	± 2.5	PASS
		VN	30	-1.59	-0.000858	± 2.5	PASS
		VN	40	0.43	0.000232	± 2.5	PASS
		VN	50	0.35	0.000189	± 2.5	PASS
	MCH	VN	-30	3.73	0.001984	± 2.5	PASS
		VN	-20	2.04	0.001085	± 2.5	PASS
		VN	-10	-0.82	-0.000436	± 2.5	PASS
		VN	0	2.99	0.001590	± 2.5	PASS
		VN	10	-1.8	-0.000957	± 2.5	PASS
		VN	20	4.19	0.002229	± 2.5	PASS
		VN	30	3.97	0.002112	± 2.5	PASS
		VN	40	1.65	0.000878	± 2.5	PASS
		VN	50	4.13	0.002197	± 2.5	PASS
	HCH	VN	-30	4.43	0.002322	± 2.5	PASS
		VN	-20	0.11	0.000058	± 2.5	PASS
		VN	-10	-0.36	-0.000189	± 2.5	PASS
		VN	0	0.1	0.000052	± 2.5	PASS
		VN	10	4.82	0.002527	± 2.5	PASS
		VN	20	-1.9	-0.000996	± 2.5	PASS
		VN	30	3.84	0.002013	± 2.5	PASS
		VN	40	3.05	0.001599	± 2.5	PASS
		VN	50	-1.57	-0.000823	± 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	1.91	0.001030	± 2.5	PASS
		VN	TN	3.53	0.001903	± 2.5	PASS
		VH	TN	0.55	0.000296	± 2.5	PASS
	MCH	VL	TN	2.46	0.001309	± 2.5	PASS
		VN	TN	3.17	0.001686	± 2.5	PASS
		VH	TN	1.71	0.000910	± 2.5	PASS
	HCH	VL	TN	-0.62	-0.000325	± 2.5	PASS
		VN	TN	2.78	0.001459	± 2.5	PASS
		VH	TN	1.89	0.000992	± 2.5	PASS
16QAM	LCH	VL	TN	1.61	0.000868	± 2.5	PASS
		VN	TN	-0.74	-0.000399	± 2.5	PASS
		VH	TN	-0.94	-0.000507	± 2.5	PASS
	MCH	VL	TN	-0.35	-0.000186	± 2.5	PASS
		VN	TN	2.5	0.001330	± 2.5	PASS
		VH	TN	4.26	0.002266	± 2.5	PASS
	HCH	VL	TN	-1.06	-0.000556	± 2.5	PASS
		VN	TN	-1.53	-0.000803	± 2.5	PASS
		VH	TN	-1.16	-0.000609	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.1	0.000054	± 2.5	PASS
		VN	-20	1.52	0.000819	± 2.5	PASS
		VN	-10	1.77	0.000954	± 2.5	PASS
		VN	0	3.95	0.002129	± 2.5	PASS
		VN	10	3.16	0.001704	± 2.5	PASS
		VN	20	-1.06	-0.000571	± 2.5	PASS
		VN	30	4.48	0.002415	± 2.5	PASS
		VN	40	-0.65	-0.000350	± 2.5	PASS
		VN	50	4.25	0.002291	± 2.5	PASS
	MCH	VN	-30	1.91	0.001016	± 2.5	PASS
		VN	-20	-0.81	-0.000431	± 2.5	PASS
		VN	-10	3.67	0.001952	± 2.5	PASS
		VN	0	2.72	0.001447	± 2.5	PASS
		VN	10	2.51	0.001335	± 2.5	PASS
		VN	20	0.47	0.000250	± 2.5	PASS

		VN	30	-1.98	-0.001053	± 2.5	PASS
		VN	40	1.01	0.000537	± 2.5	PASS
		VN	50	4.46	0.002372	± 2.5	PASS
	HCH	VN	-30	-1.72	-0.000903	± 2.5	PASS
		VN	-20	3.09	0.001622	± 2.5	PASS
		VN	-10	4.01	0.002105	± 2.5	PASS
		VN	0	2.25	0.001181	± 2.5	PASS
		VN	10	1.2	0.000630	± 2.5	PASS
		VN	20	1.55	0.000814	± 2.5	PASS
		VN	30	2.78	0.001459	± 2.5	PASS
		VN	40	-0.4	-0.000210	± 2.5	PASS
		VN	50	2.59	0.001360	± 2.5	PASS
QPSK	LCH	VN	-30	-0.94	-0.000507	± 2.5	PASS
		VN	-20	1.43	0.000771	± 2.5	PASS
		VN	-10	2.11	0.001137	± 2.5	PASS
		VN	0	4.03	0.002173	± 2.5	PASS
		VN	10	1.28	0.000690	± 2.5	PASS
		VN	20	3.53	0.001903	± 2.5	PASS
		VN	30	3.52	0.001898	± 2.5	PASS
		VN	40	0.67	0.000361	± 2.5	PASS
		VN	50	2.63	0.001418	± 2.5	PASS
	MCH	VN	-30	0.93	0.000495	± 2.5	PASS
		VN	-20	2.89	0.001537	± 2.5	PASS
		VN	-10	-1.75	-0.000931	± 2.5	PASS
		VN	0	0.29	0.000154	± 2.5	PASS
		VN	10	2.65	0.001410	± 2.5	PASS
		VN	20	1.86	0.000989	± 2.5	PASS
		VN	30	0.46	0.000245	± 2.5	PASS
		VN	40	-1.61	-0.000856	± 2.5	PASS
		VN	50	4.97	0.002644	± 2.5	PASS
	HCH	VN	-30	1.97	0.001034	± 2.5	PASS
		VN	-20	3.32	0.001743	± 2.5	PASS
		VN	-10	2.08	0.001092	± 2.5	PASS
		VN	0	2.36	0.001239	± 2.5	PASS
		VN	10	1.25	0.000656	± 2.5	PASS
		VN	20	1.96	0.001029	± 2.5	PASS
		VN	30	3.16	0.001659	± 2.5	PASS
		VN	40	-0.14	-0.000073	± 2.5	PASS
		VN	50	4.53	0.002378	± 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	-1.88	-0.001012	± 2.5	PASS
		VN	TN	4.57	0.002460	± 2.5	PASS
		VH	TN	-0.93	-0.000501	± 2.5	PASS
	MCH	VL	TN	0.68	0.000362	± 2.5	PASS
		VN	TN	2.36	0.001255	± 2.5	PASS
		VH	TN	3.9	0.002074	± 2.5	PASS
	HCH	VL	TN	-1.95	-0.001025	± 2.5	PASS
		VN	TN	1.43	0.000752	± 2.5	PASS
		VH	TN	-1.31	-0.000689	± 2.5	PASS
16QAM	LCH	VL	TN	-0.18	-0.000097	± 2.5	PASS
		VN	TN	4.03	0.002170	± 2.5	PASS
		VH	TN	-1.5	-0.000808	± 2.5	PASS
	MCH	VL	TN	-0.27	-0.000144	± 2.5	PASS
		VN	TN	3.61	0.001920	± 2.5	PASS
		VH	TN	4.45	0.002367	± 2.5	PASS
	HCH	VL	TN	4.01	0.002108	± 2.5	PASS
		VN	TN	0.38	0.000200	± 2.5	PASS
		VH	TN	-0.46	-0.000242	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.95	0.002665	± 2.5	PASS
		VN	-20	0.39	0.000210	± 2.5	PASS
		VN	-10	-0.86	-0.000463	± 2.5	PASS
		VN	0	1.43	0.000770	± 2.5	PASS
		VN	10	2.68	0.001443	± 2.5	PASS
		VN	20	3.31	0.001782	± 2.5	PASS
		VN	30	1.66	0.000894	± 2.5	PASS
		VN	40	0.65	0.000350	± 2.5	PASS
		VN	50	1.97	0.001061	± 2.5	PASS
	MCH	VN	-30	0.58	0.000309	± 2.5	PASS
		VN	-20	0.29	0.000154	± 2.5	PASS
		VN	-10	2.76	0.001468	± 2.5	PASS
		VN	0	3.17	0.001686	± 2.5	PASS
		VN	10	2.87	0.001527	± 2.5	PASS
		VN	20	2.65	0.001410	± 2.5	PASS

		VN	30	-1.33	-0.000707	± 2.5	PASS
		VN	40	1.04	0.000553	± 2.5	PASS
		VN	50	2.48	0.001319	± 2.5	PASS
	HCH	VN	-30	2.21	0.001162	± 2.5	PASS
		VN	-20	-1.8	-0.000946	± 2.5	PASS
		VN	-10	1.38	0.000725	± 2.5	PASS
		VN	0	2.11	0.001109	± 2.5	PASS
		VN	10	-1.78	-0.000936	± 2.5	PASS
		VN	20	0.41	0.000216	± 2.5	PASS
		VN	30	2.48	0.001304	± 2.5	PASS
		VN	40	0.83	0.000436	± 2.5	PASS
		VN	50	-0.4	-0.000210	± 2.5	PASS
16QAM	LCH	VN	-30	1.6	0.000861	± 2.5	PASS
		VN	-20	1.73	0.000931	± 2.5	PASS
		VN	-10	-0.56	-0.000301	± 2.5	PASS
		VN	0	3.81	0.002051	± 2.5	PASS
		VN	10	2.39	0.001287	± 2.5	PASS
		VN	20	0.35	0.000188	± 2.5	PASS
		VN	30	0.19	0.000102	± 2.5	PASS
		VN	40	1.94	0.001044	± 2.5	PASS
		VN	50	2.38	0.001281	± 2.5	PASS
	MCH	VN	-30	0.85	0.000452	± 2.5	PASS
		VN	-20	-0.14	-0.000074	± 2.5	PASS
		VN	-10	2.47	0.001314	± 2.5	PASS
		VN	0	4.51	0.002399	± 2.5	PASS
		VN	10	1.08	0.000574	± 2.5	PASS
		VN	20	1.89	0.001005	± 2.5	PASS
		VN	30	4.89	0.002601	± 2.5	PASS
		VN	40	-1.69	-0.000899	± 2.5	PASS
		VN	50	3.15	0.001676	± 2.5	PASS
	HCH	VN	-30	-1.34	-0.000704	± 2.5	PASS
		VN	-20	-1.75	-0.000920	± 2.5	PASS
		VN	-10	-0.97	-0.000510	± 2.5	PASS
		VN	0	4.41	0.002318	± 2.5	PASS
		VN	10	2.91	0.001530	± 2.5	PASS
		VN	20	1.76	0.000925	± 2.5	PASS
		VN	30	1.16	0.000610	± 2.5	PASS
		VN	40	0.33	0.000173	± 2.5	PASS
		VN	50	-1.92	-0.001009	± 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	3.18	0.001710	± 2.5	PASS
		VN	TN	0.36	0.000194	± 2.5	PASS
		VH	TN	4.43	0.002382	± 2.5	PASS
	MCH	VL	TN	3.28	0.001745	± 2.5	PASS
		VN	TN	4.03	0.002144	± 2.5	PASS
		VH	TN	-0.69	-0.000367	± 2.5	PASS
	HCH	VL	TN	2.81	0.001479	± 2.5	PASS
		VN	TN	-1.96	-0.001032	± 2.5	PASS
		VH	TN	0.75	0.000395	± 2.5	PASS
16QAM	LCH	VL	TN	1.88	0.001011	± 2.5	PASS
		VN	TN	1.64	0.000882	± 2.5	PASS
		VH	TN	-1.78	-0.000957	± 2.5	PASS
	MCH	VL	TN	4.8	0.002553	± 2.5	PASS
		VN	TN	-1.95	-0.001037	± 2.5	PASS
		VH	TN	3.36	0.001787	± 2.5	PASS
	HCH	VL	TN	0.4	0.000211	± 2.5	PASS
		VN	TN	-1	-0.000526	± 2.5	PASS
		VH	TN	1.02	0.000537	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.56	-0.000839	± 2.5	PASS
		VN	-20	1.84	0.000989	± 2.5	PASS
		VN	-10	-1.87	-0.001005	± 2.5	PASS
		VN	0	2.68	0.001441	± 2.5	PASS
		VN	10	0.09	0.000048	± 2.5	PASS
		VN	20	1.92	0.001032	± 2.5	PASS
		VN	30	2.51	0.001349	± 2.5	PASS
		VN	40	-1.8	-0.000968	± 2.5	PASS
		VN	50	2.53	0.001360	± 2.5	PASS
	MCH	VN	-30	-0.87	-0.000463	± 2.5	PASS
		VN	-20	3.31	0.001761	± 2.5	PASS
		VN	-10	-1.53	-0.000814	± 2.5	PASS
		VN	0	3.59	0.001910	± 2.5	PASS
		VN	10	2.91	0.001548	± 2.5	PASS
		VN	20	-0.97	-0.000516	± 2.5	PASS

		VN	30	4.64	0.002468	± 2.5	PASS
		VN	40	1.28	0.000681	± 2.5	PASS
		VN	50	-1.65	-0.000878	± 2.5	PASS
	HCH	VN	-30	2.16	0.001137	± 2.5	PASS
		VN	-20	2.09	0.001100	± 2.5	PASS
		VN	-10	1.36	0.000716	± 2.5	PASS
		VN	0	1.25	0.000658	± 2.5	PASS
		VN	10	1.1	0.000579	± 2.5	PASS
		VN	20	2.9	0.001526	± 2.5	PASS
		VN	30	4.03	0.002121	± 2.5	PASS
		VN	40	1.51	0.000795	± 2.5	PASS
		VN	50	-1.89	-0.000995	± 2.5	PASS
16QAM	LCH	VN	-30	2.77	0.001489	± 2.5	PASS
		VN	-20	-0.61	-0.000328	± 2.5	PASS
		VN	-10	4.85	0.002608	± 2.5	PASS
		VN	0	4.72	0.002538	± 2.5	PASS
		VN	10	0.06	0.000032	± 2.5	PASS
		VN	20	1.43	0.000769	± 2.5	PASS
		VN	30	2.93	0.001575	± 2.5	PASS
		VN	40	3.38	0.001817	± 2.5	PASS
		VN	50	-1.92	-0.001032	± 2.5	PASS
	MCH	VN	-30	2.78	0.001479	± 2.5	PASS
		VN	-20	2.28	0.001213	± 2.5	PASS
		VN	-10	-0.9	-0.000479	± 2.5	PASS
		VN	0	3.6	0.001915	± 2.5	PASS
		VN	10	4.74	0.002521	± 2.5	PASS
		VN	20	-1.07	-0.000569	± 2.5	PASS
		VN	30	3.37	0.001793	± 2.5	PASS
		VN	40	2.14	0.001138	± 2.5	PASS
		VN	50	1.65	0.000878	± 2.5	PASS
	HCH	VN	-30	2.24	0.001179	± 2.5	PASS
		VN	-20	0.32	0.000168	± 2.5	PASS
		VN	-10	-0.88	-0.000463	± 2.5	PASS
		VN	0	-1.18	-0.000621	± 2.5	PASS
		VN	10	-1.18	-0.000621	± 2.5	PASS
		VN	20	-1.86	-0.000979	± 2.5	PASS
		VN	30	-1.43	-0.000753	± 2.5	PASS
		VN	40	0.13	0.000068	± 2.5	PASS
		VN	50	-1.45	-0.000763	± 2.5	PASS