

Appendix A: Test Results of Band 2 for eMTC operation

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Appendix A.1: RF Power Output and Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result (dBm)	EIRP		Limit (watts)	Verdict
								dBm	Watts		
Band2	1.4MHz	QPSK	18607	1	0	Low	23.40	25.54	0.358	2	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	23.32	25.46	0.352	2	PASS
Band2	1.4MHz	QPSK	19193	1	5	Low	23.06	25.20	0.331	2	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	21.36	23.50	0.224	2	PASS
Band2	1.4MHz	QPSK	18900	6	0	Low	21.21	23.35	0.216	2	PASS
Band2	1.4MHz	QPSK	19193	6	0	Low	20.96	23.10	0.204	2	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	22.47	24.61	0.289	2	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	22.37	24.51	0.282	2	PASS
Band2	1.4MHz	16QAM	19193	1	5	Low	22.15	24.29	0.269	2	PASS
Band2	1.4MHz	16QAM	18607	6	0	Low	21.34	23.48	0.223	2	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	21.21	23.35	0.216	2	PASS
Band2	1.4MHz	16QAM	19193	6	0	Low	20.96	23.10	0.204	2	PASS
Band2	3MHz	QPSK	18615	1	0	Low	23.43	25.57	0.361	2	PASS
Band2	3MHz	QPSK	18900	1	0	Low	23.35	25.49	0.354	2	PASS
Band2	3MHz	QPSK	19185	1	5	High	23.11	25.25	0.335	2	PASS
Band2	3MHz	QPSK	18615	6	0	Low	21.35	23.49	0.223	2	PASS
Band2	3MHz	QPSK	18900	6	0	Low	21.26	23.40	0.219	2	PASS
Band2	3MHz	QPSK	19185	6	0	High	20.99	23.13	0.206	2	PASS
Band2	3MHz	16QAM	18615	1	0	Low	22.49	24.63	0.290	2	PASS
Band2	3MHz	16QAM	18900	1	0	Low	22.41	24.55	0.285	2	PASS
Band2	3MHz	16QAM	19185	1	5	High	22.16	24.30	0.269	2	PASS
Band2	3MHz	16QAM	18615	6	0	Low	21.34	23.48	0.223	2	PASS
Band2	3MHz	16QAM	18900	6	0	Low	21.30	23.44	0.221	2	PASS
Band2	3MHz	16QAM	19185	6	0	High	21.00	23.14	0.206	2	PASS
Band2	5MHz	QPSK	18625	1	0	Low	23.34	25.48	0.353	2	PASS
Band2	5MHz	QPSK	18900	1	0	Low	23.24	25.38	0.345	2	PASS
Band2	5MHz	QPSK	19175	1	5	High	23.03	25.17	0.329	2	PASS
Band2	5MHz	QPSK	19175	3	3	High	21.94	24.08	0.256	2	PASS
Band2	5MHz	QPSK	18625	6	0	Low	22.18	24.32	0.270	2	PASS
Band2	5MHz	QPSK	18900	6	0	Low	22.13	24.27	0.267	2	PASS
Band2	5MHz	16QAM	18625	1	0	Low	23.52	25.66	0.368	2	PASS
Band2	5MHz	16QAM	18900	1	0	Low	23.35	25.49	0.354	2	PASS
Band2	5MHz	16QAM	19175	1	5	High	23.16	25.30	0.339	2	PASS
Band2	5MHz	16QAM	19175	3	3	High	22.11	24.25	0.266	2	PASS
Band2	5MHz	16QAM	18625	6	0	Low	22.18	24.32	0.270	2	PASS
Band2	5MHz	16QAM	18900	6	0	Low	22.11	24.25	0.266	2	PASS
Band2	10MHz	QPSK	18650	1	0	Low	23.29	25.43	0.349	2	PASS
Band2	10MHz	QPSK	18900	1	0	Low	23.08	25.22	0.333	2	PASS
Band2	10MHz	QPSK	19150	1	5	High	23.04	25.18	0.330	2	PASS
Band2	10MHz	QPSK	18650	5	0	Low	22.19	24.33	0.271	2	PASS
Band2	10MHz	QPSK	18900	5	0	Low	22.00	24.14	0.259	2	PASS
Band2	10MHz	QPSK	19150	5	1	High	21.91	24.05	0.254	2	PASS
Band2	10MHz	16QAM	18650	1	0	Low	23.48	25.62	0.365	2	PASS
Band2	10MHz	16QAM	18900	1	0	Low	23.22	25.36	0.344	2	PASS
Band2	10MHz	16QAM	19150	1	5	High	23.16	25.30	0.339	2	PASS
Band2	10MHz	16QAM	18650	5	0	Low	22.26	24.40	0.275	2	PASS
Band2	10MHz	16QAM	18900	5	0	Low	22.10	24.24	0.265	2	PASS
Band2	10MHz	16QAM	19150	5	1	High	22.03	24.17	0.261	2	PASS
Band2	15MHz	QPSK	18675	1	0	Low	23.28	25.42	0.348	2	PASS
Band2	15MHz	QPSK	18900	1	0	Low	23.10	25.24	0.334	2	PASS
Band2	15MHz	QPSK	19125	1	5	High	23.00	25.14	0.327	2	PASS

Produkte
Products

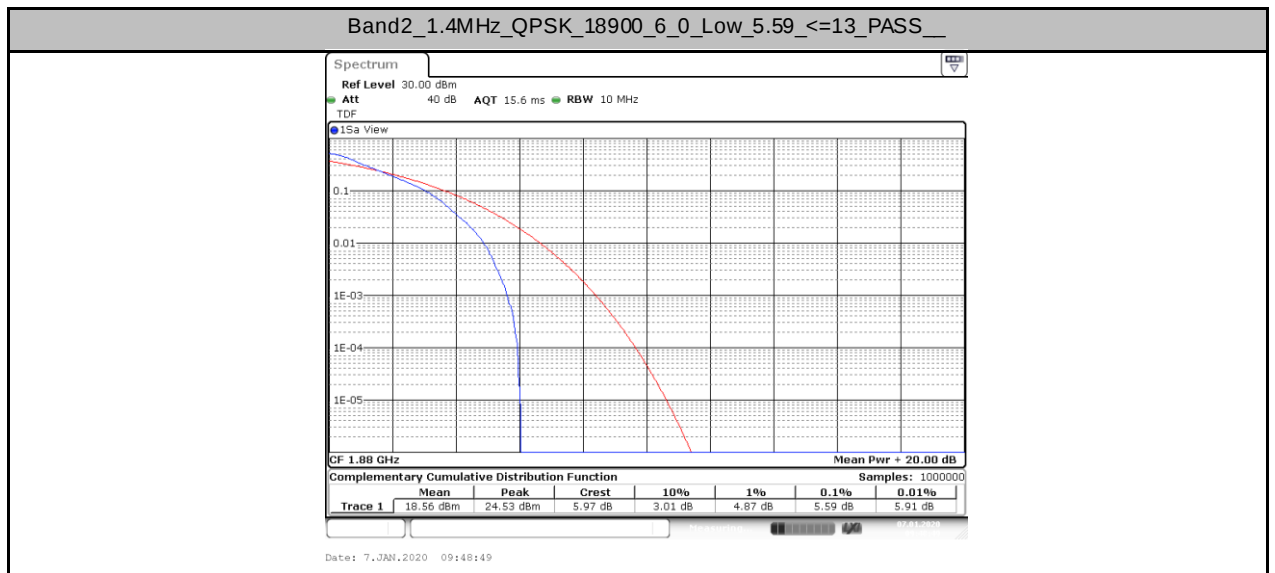
Band2	15MHz	QPSK	18675	6	0	Low	23.08	25.22	0.333	2	PASS
Band2	15MHz	QPSK	18900	6	0	Low	22.89	25.03	0.318	2	PASS
Band2	15MHz	QPSK	19125	6	0	High	22.85	24.99	0.316	2	PASS
Band2	15MHz	16QAM	18675	1	0	Low	23.50	25.64	0.366	2	PASS
Band2	15MHz	16QAM	18900	1	0	Low	23.30	25.44	0.350	2	PASS
Band2	15MHz	16QAM	19125	1	5	High	23.13	25.27	0.337	2	PASS
Band2	15MHz	16QAM	18675	6	0	Low	23.08	25.22	0.333	2	PASS
Band2	15MHz	16QAM	18900	6	0	Low	22.89	25.03	0.318	2	PASS
Band2	15MHz	16QAM	19125	6	0	High	22.93	25.07	0.321	2	PASS
Band2	20MHz	QPSK	18700	1	0	Low	23.26	25.40	0.347	2	PASS
Band2	20MHz	QPSK	18900	1	0	Low	23.08	25.22	0.333	2	PASS
Band2	20MHz	QPSK	19100	1	5	High	23.04	25.18	0.330	2	PASS
Band2	20MHz	QPSK	18700	6	0	Low	23.09	25.23	0.333	2	PASS
Band2	20MHz	QPSK	18900	6	0	Low	23.02	25.16	0.328	2	PASS
Band2	20MHz	QPSK	19100	6	0	High	22.99	25.13	0.326	2	PASS
Band2	20MHz	16QAM	18700	1	0	Low	23.45	25.59	0.362	2	PASS
Band2	20MHz	16QAM	18900	1	0	Low	23.27	25.41	0.348	2	PASS
Band2	20MHz	16QAM	19100	1	5	High	23.25	25.39	0.346	2	PASS
Band2	20MHz	16QAM	18700	6	0	Low	23.09	25.23	0.333	2	PASS
Band2	20MHz	16QAM	18900	6	0	Low	22.91	25.05	0.320	2	PASS
Band2	20MHz	16QAM	19100	6	0	High	22.99	25.13	0.326	2	PASS

Appendix A.2: Peak-to-Average Ratio (CCDF) for M1

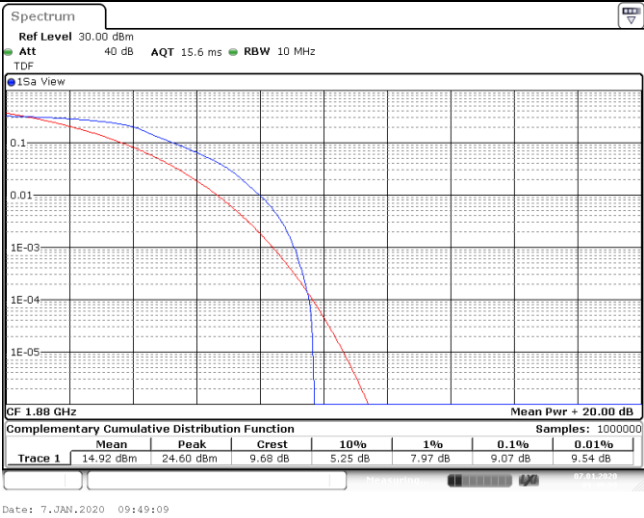
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18900	6	0	Low	5.59	<=13	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	9.07	<=13	PASS
Band2	3MHz	QPSK	18900	6	0	Low	8.43	<=13	PASS
Band2	3MHz	16QAM	18900	6	0	Low	10.64	<=13	PASS
Band2	5MHz	QPSK	18900	6	0	Low	8.41	<=13	PASS
Band2	5MHz	16QAM	18900	6	0	Low	10.14	<=13	PASS
Band2	10MHz	QPSK	18900	6	0	Low	8.43	<=13	PASS
Band2	10MHz	16QAM	18900	6	0	Low	9.94	<=13	PASS
Band2	15MHz	QPSK	18900	6	0	Low	9.51	<=13	PASS
Band2	15MHz	16QAM	18900	6	0	Low	12.00	<=13	PASS
Band2	20MHz	QPSK	18900	6	0	Low	8.78	<=13	PASS
Band2	20MHz	16QAM	18900	6	0	Low	9.28	<=13	PASS

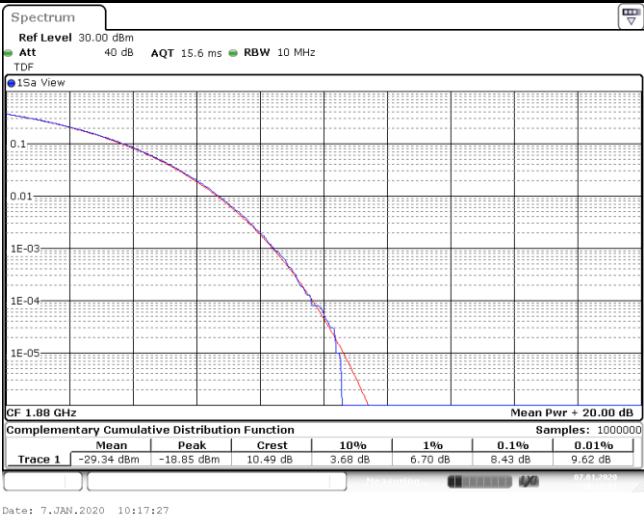
Test Graphs



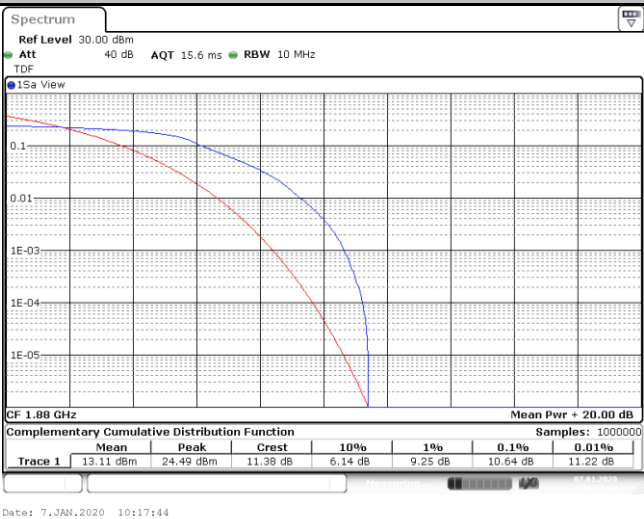
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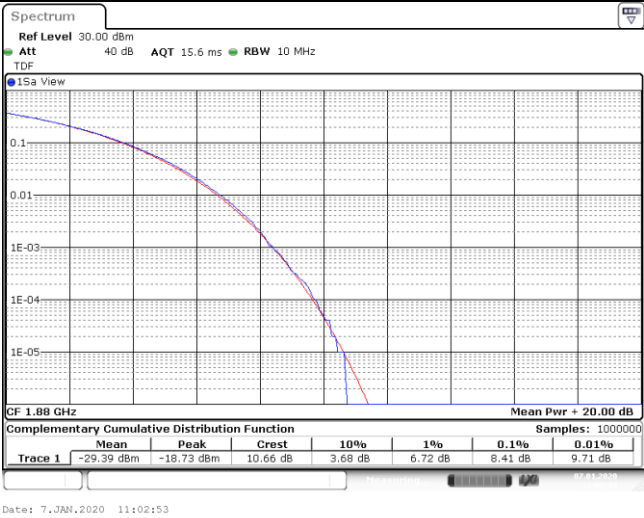
Band2_3MHz_QPSK_18900_6_0_Low_8.43_<=13_PASS__



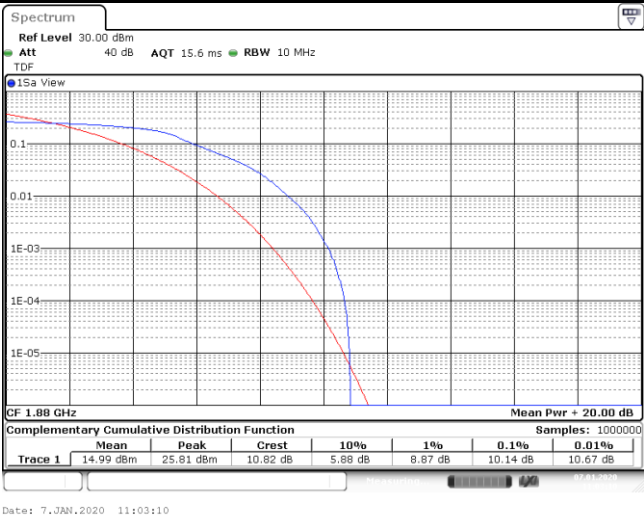
Band2_3MHz_16QAM_18900_6_0_Low_10.64_<=13_PASS__



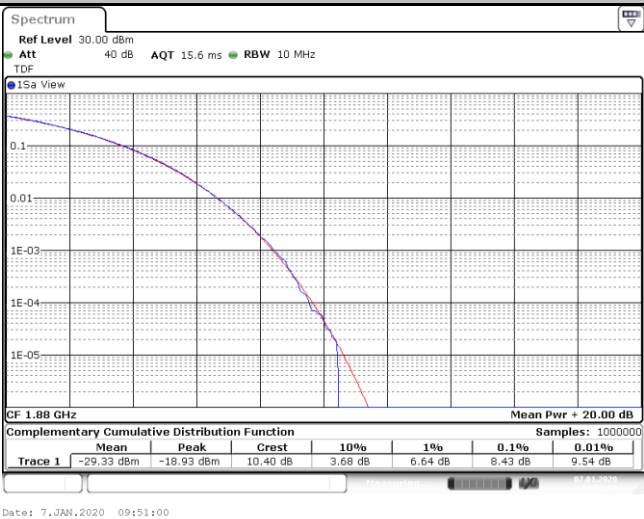
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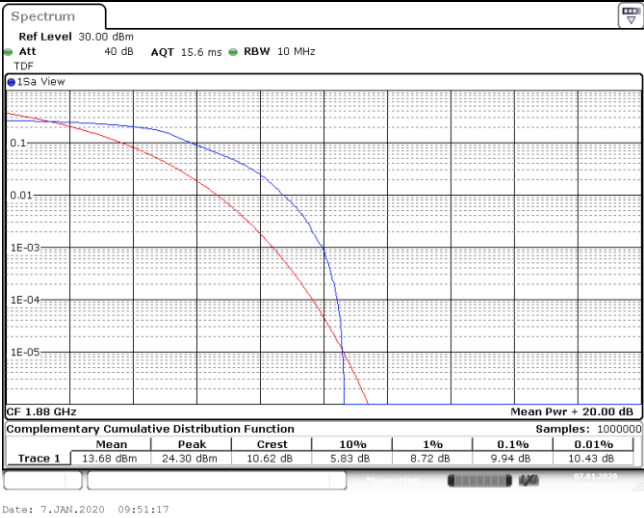
Band2_5MHz_16QAM_18900_6_0_Low_10.14_<=13_PASS__



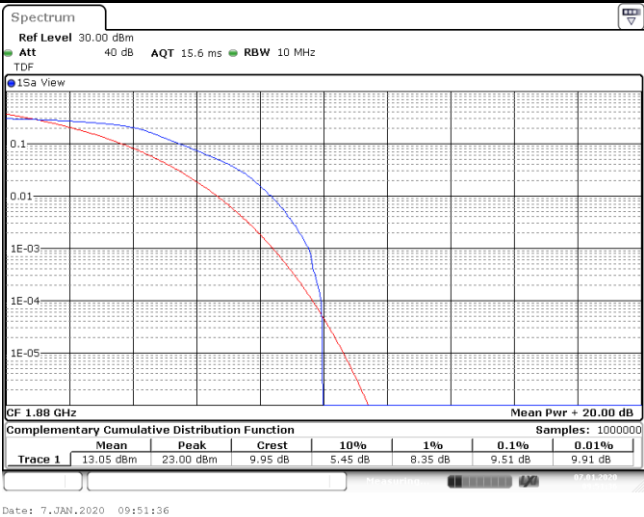
Band2_10MHz_QPSK_18900_6_0_Low_8.43_<=13_PASS__



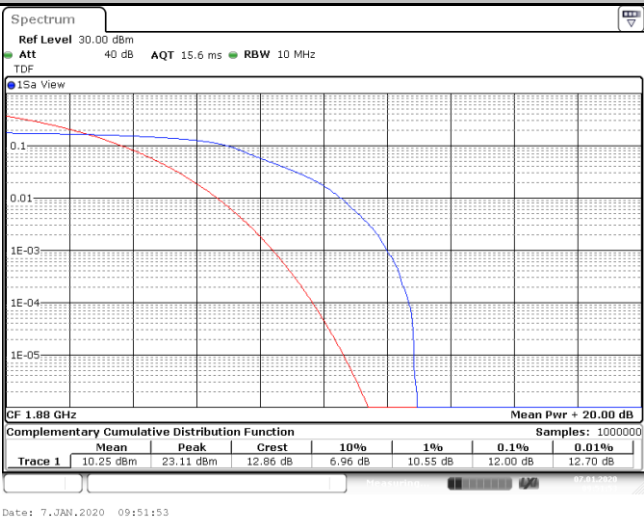
Band2_10MHz_16QAM_18900_6_0_Low_9.94_<=13_PASS__



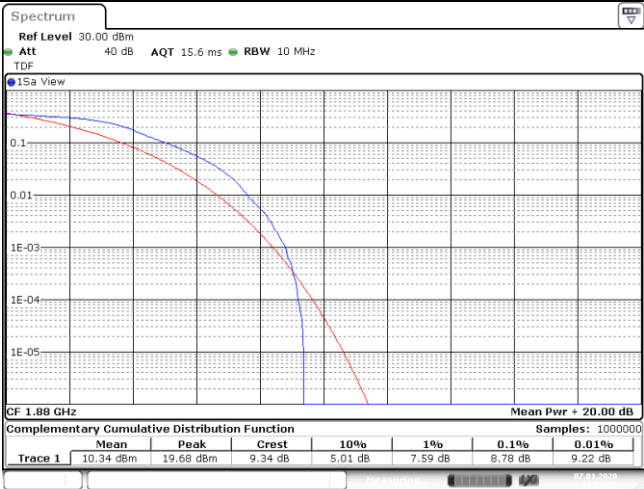
Band2_15MHz_QPSK_18900_6_0_Low_9.51_<=13_PASS__



Band2_15MHz_16QAM_18900_6_0_Low_12.00_<=13_PASS__

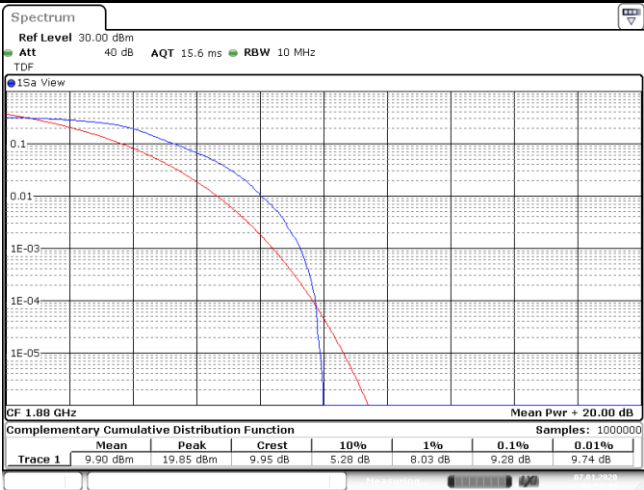


Band2_20MHz_QPSK_18900_6_0_Low_8.78_<=13_PASS__



Date: 7.JAN.2020 09:52:12

Band2_20MHz_16QAM_18900_6_0_Low_9.28_<=13_PASS__



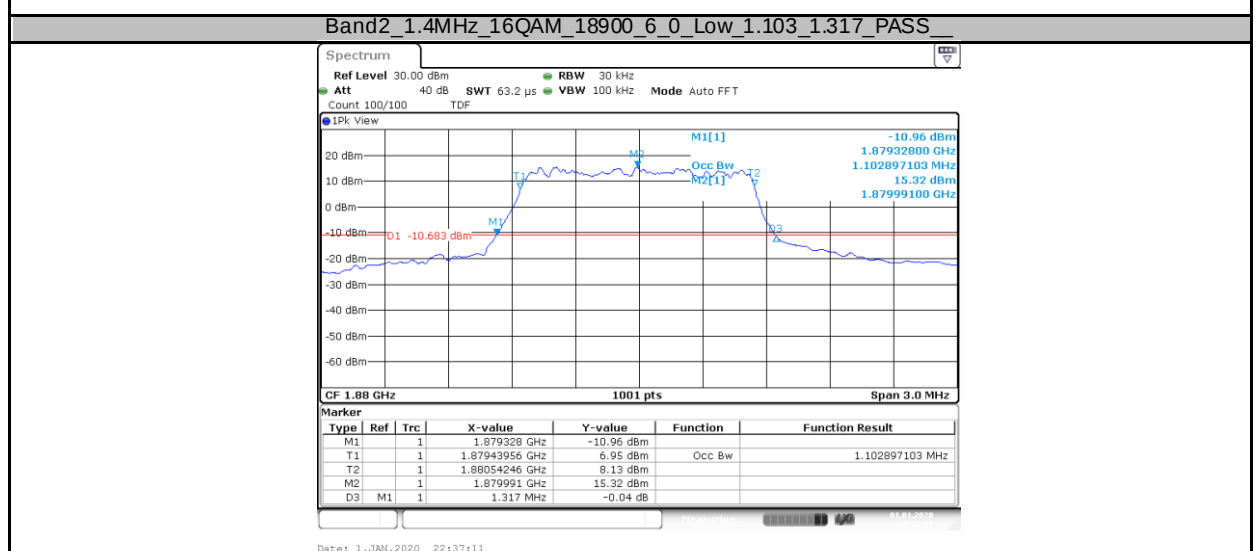
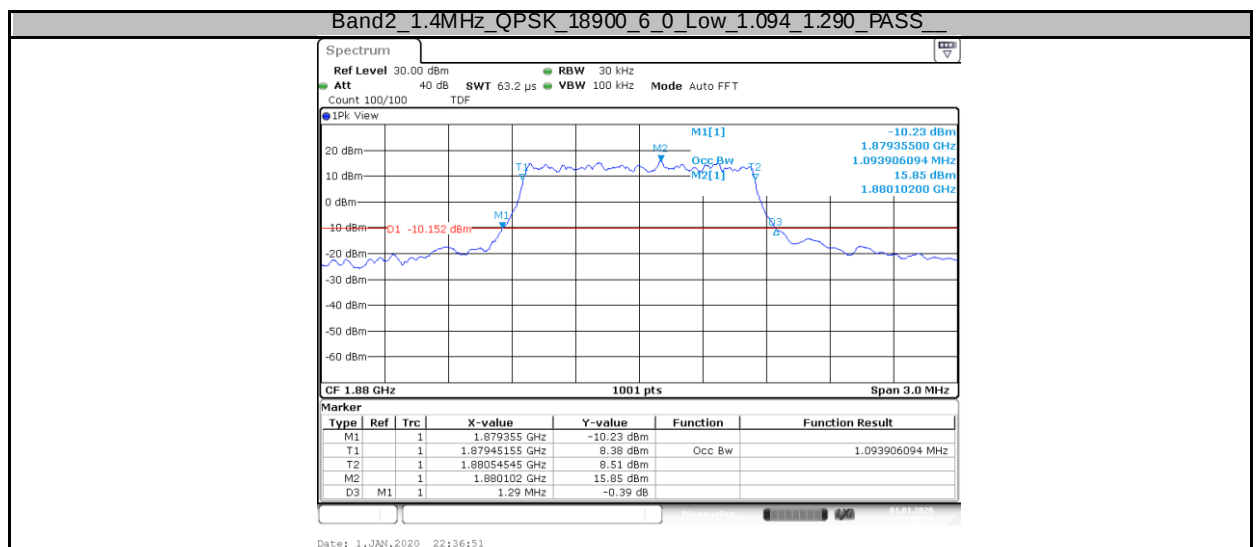
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Appendix A.3: 26dB Bandwidth and Occupied Bandwidth for M1

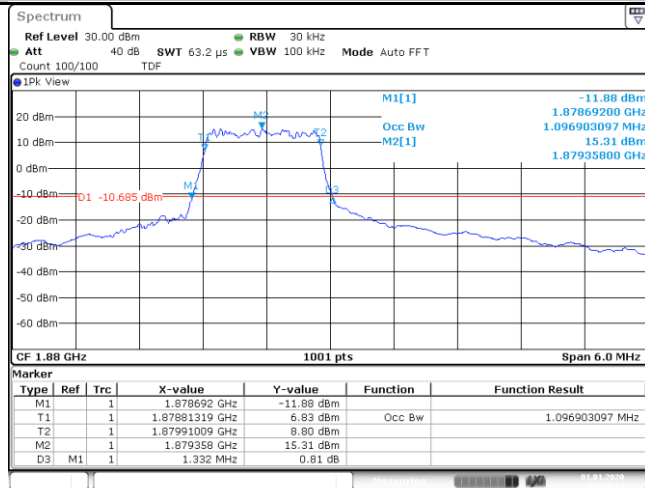
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18900	6	0	Low	1.094	1.290	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	1.103	1.317	PASS
Band2	3MHz	QPSK	18900	6	0	Low	1.097	1.332	PASS
Band2	3MHz	16QAM	18900	6	0	Low	1.103	1.326	PASS
Band2	5MHz	QPSK	18900	6	0	Low	1.099	1.330	PASS
Band2	5MHz	16QAM	18900	6	0	Low	1.099	1.330	PASS
Band2	10MHz	QPSK	18900	6	0	Low	1.099	1.320	PASS
Band2	10MHz	16QAM	18900	6	0	Low	1.099	1.320	PASS
Band2	15MHz	QPSK	18900	6	0	Low	1.109	1.350	PASS
Band2	15MHz	16QAM	18900	6	0	Low	1.109	1.350	PASS
Band2	20MHz	QPSK	18900	6	0	Low	1.119	1.400	PASS
Band2	20MHz	16QAM	18900	6	0	Low	1.119	1.400	PASS

Test Graphs

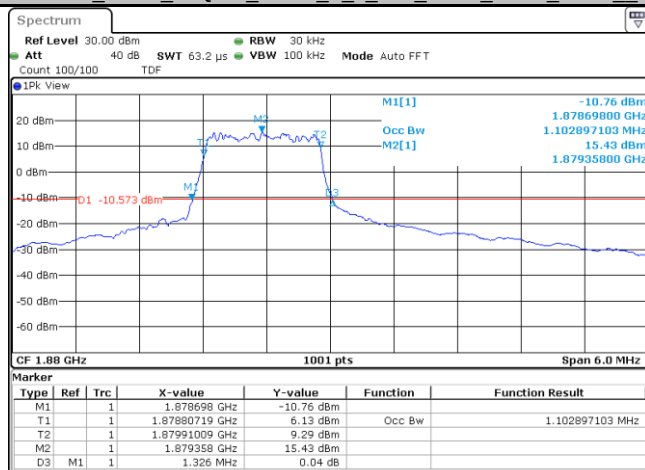


Band2_3MHz_QPSK_18900_6_0_Low_1.097_1.332_PASS



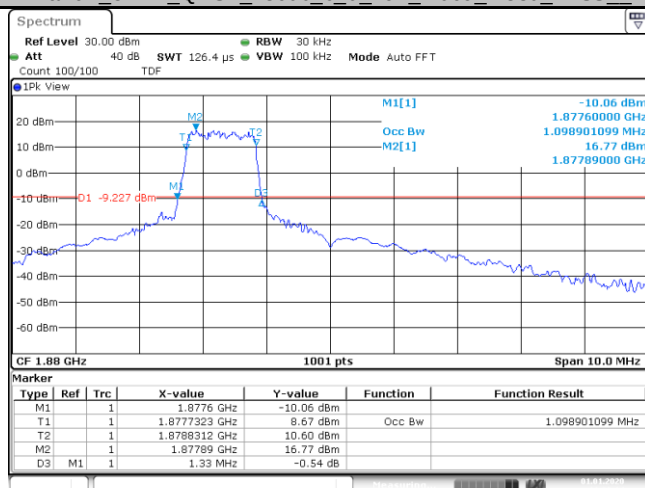
Date: 1.JAN.2020 22:37:34

Band2_3MHz_16QAM_18900_6_0_Low_1.103_1.326_PASS

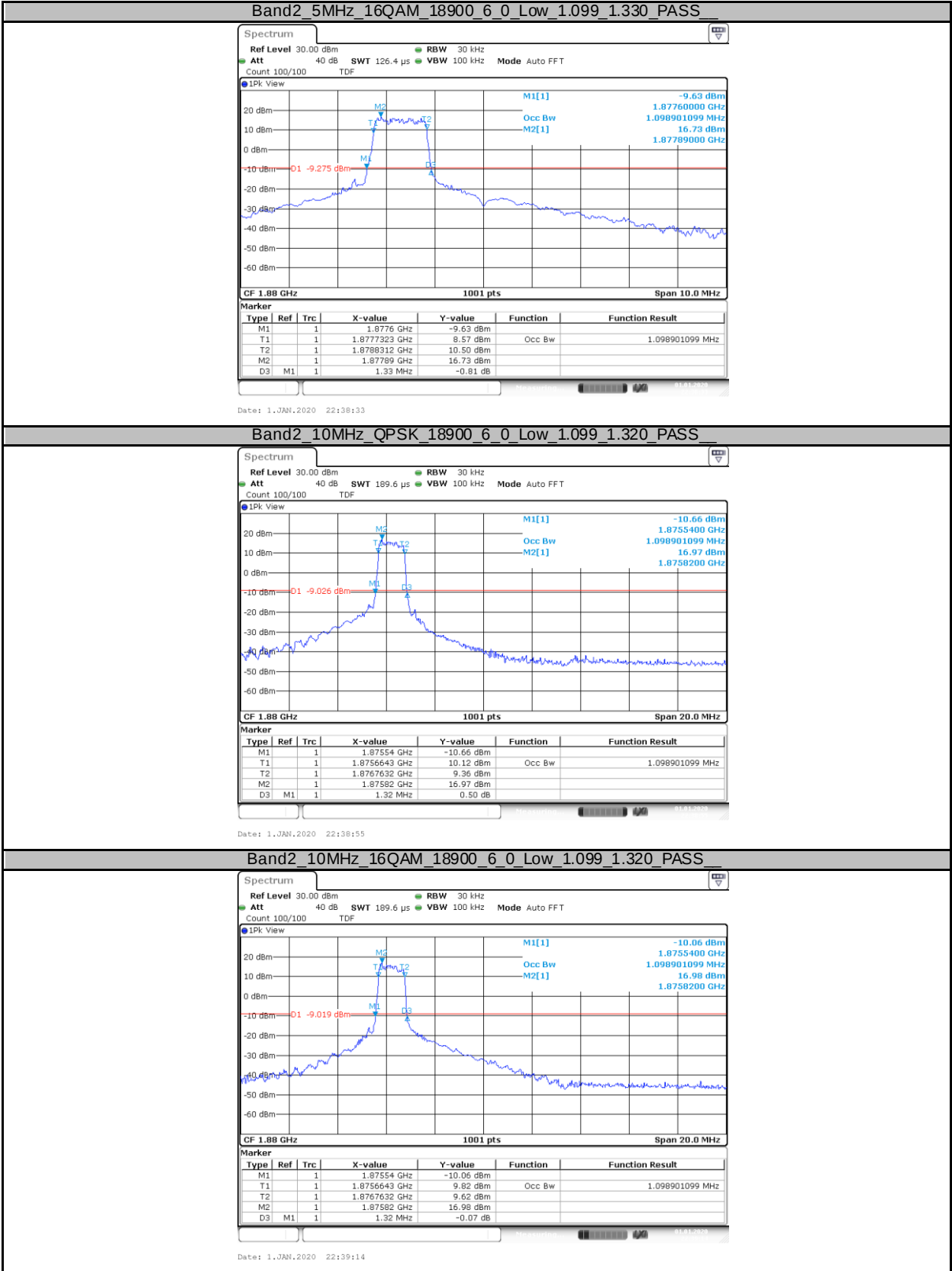


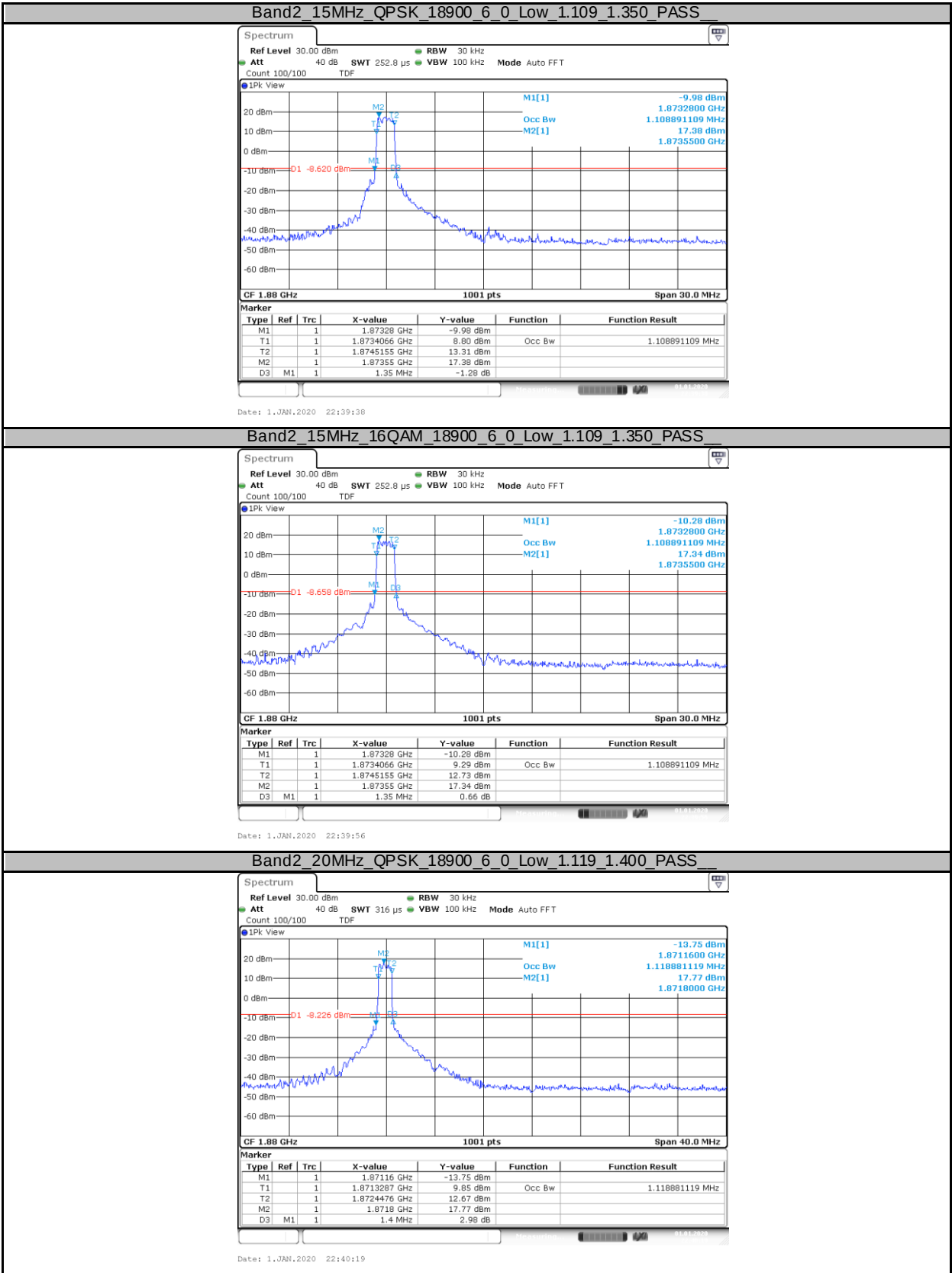
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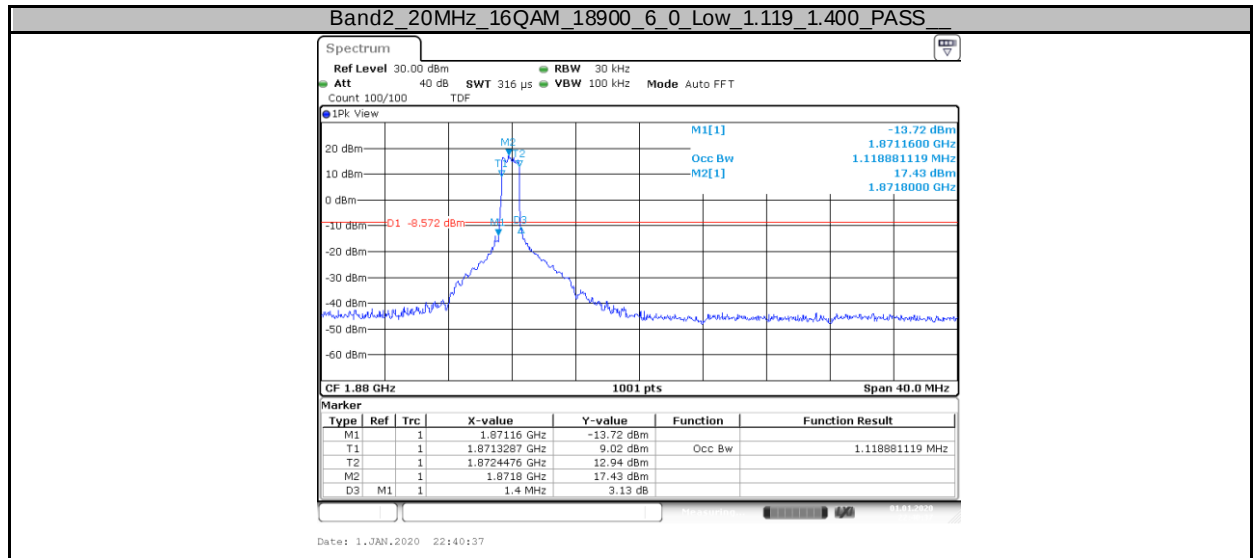
Band2_5MHz_QPSK_18900_6_0_Low_1.099_1.330_PASS



Date: 1.JAN.2020 22:38:14





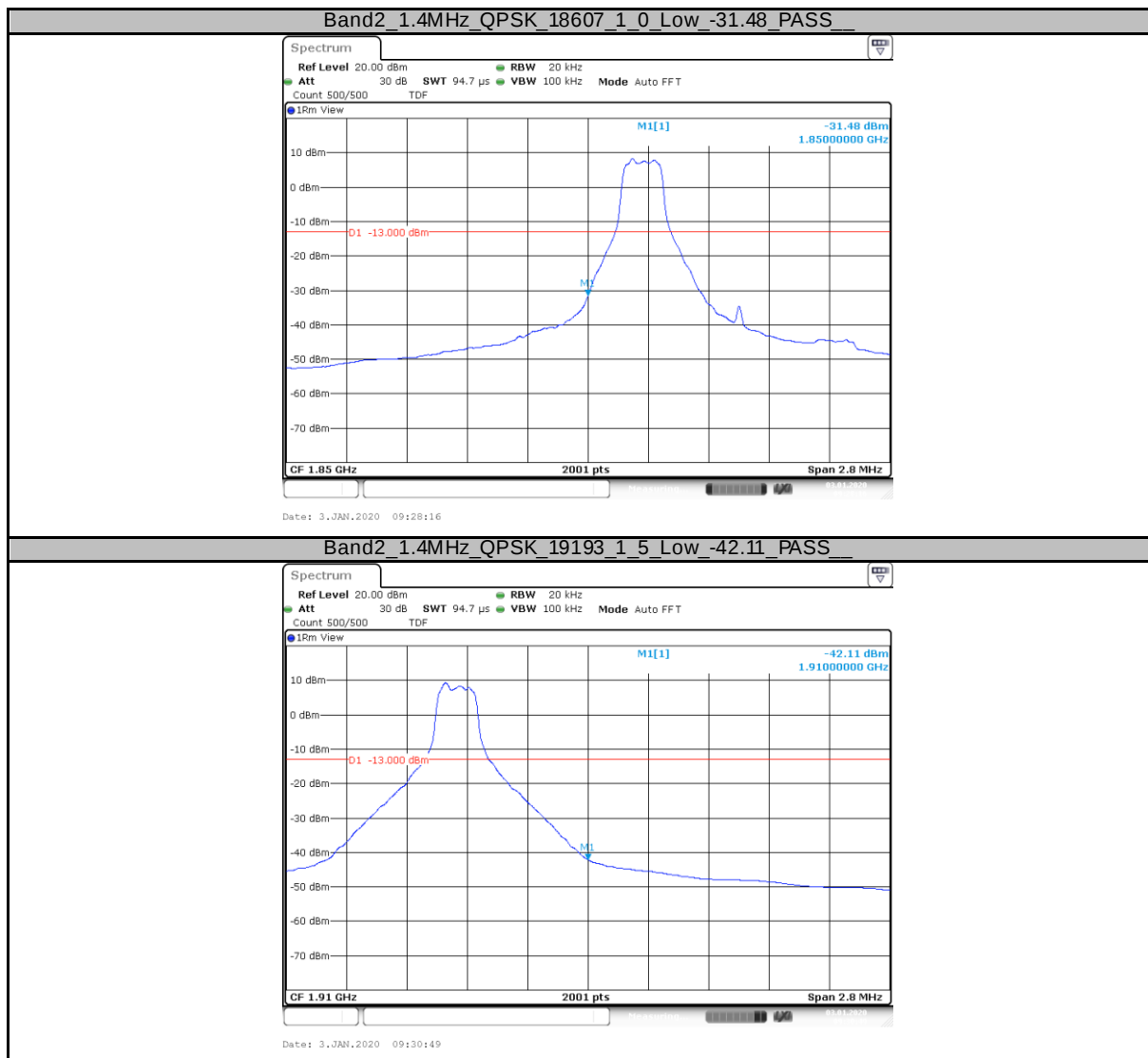


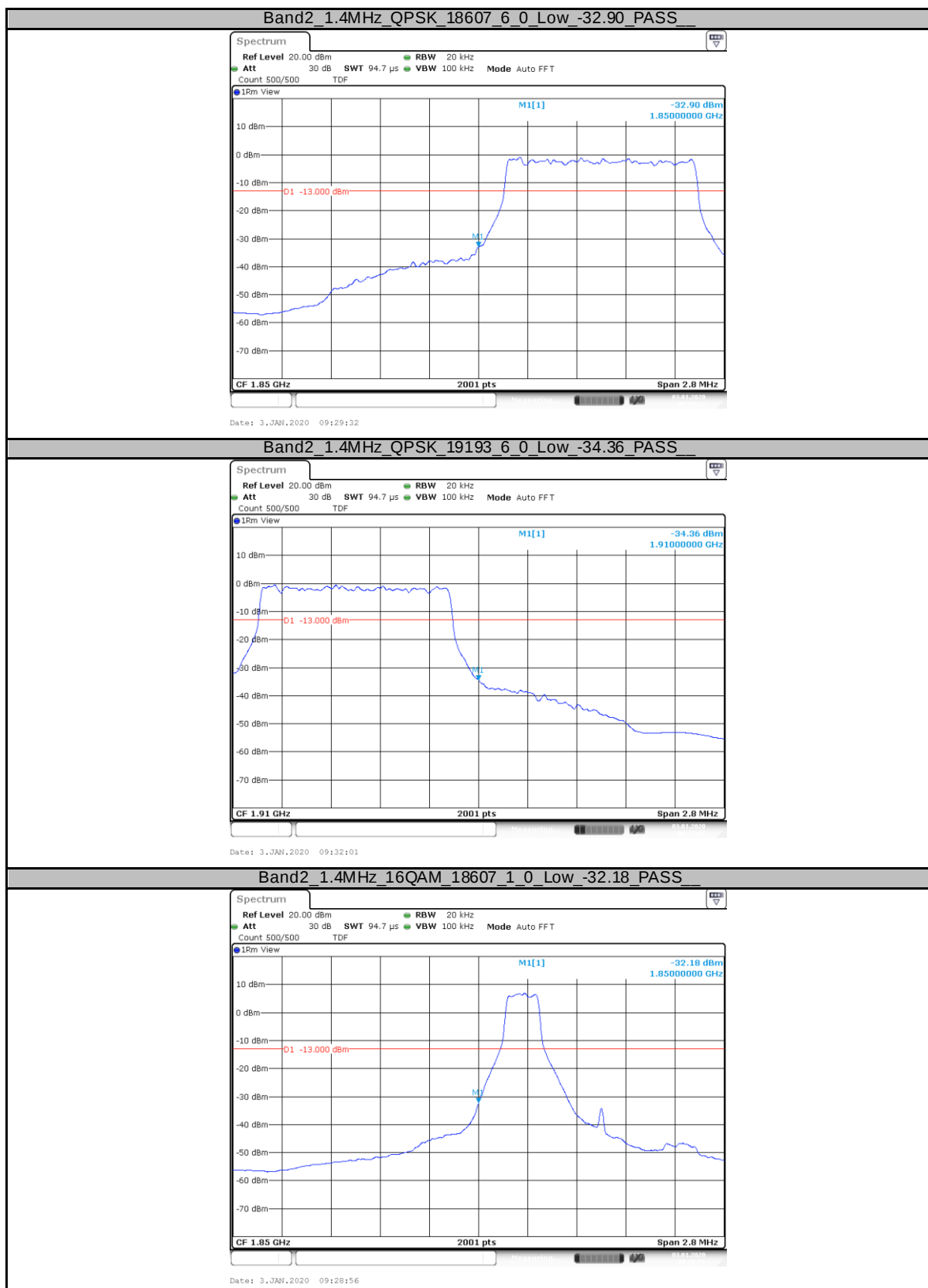
Appendix A.4: Band Edge for M1

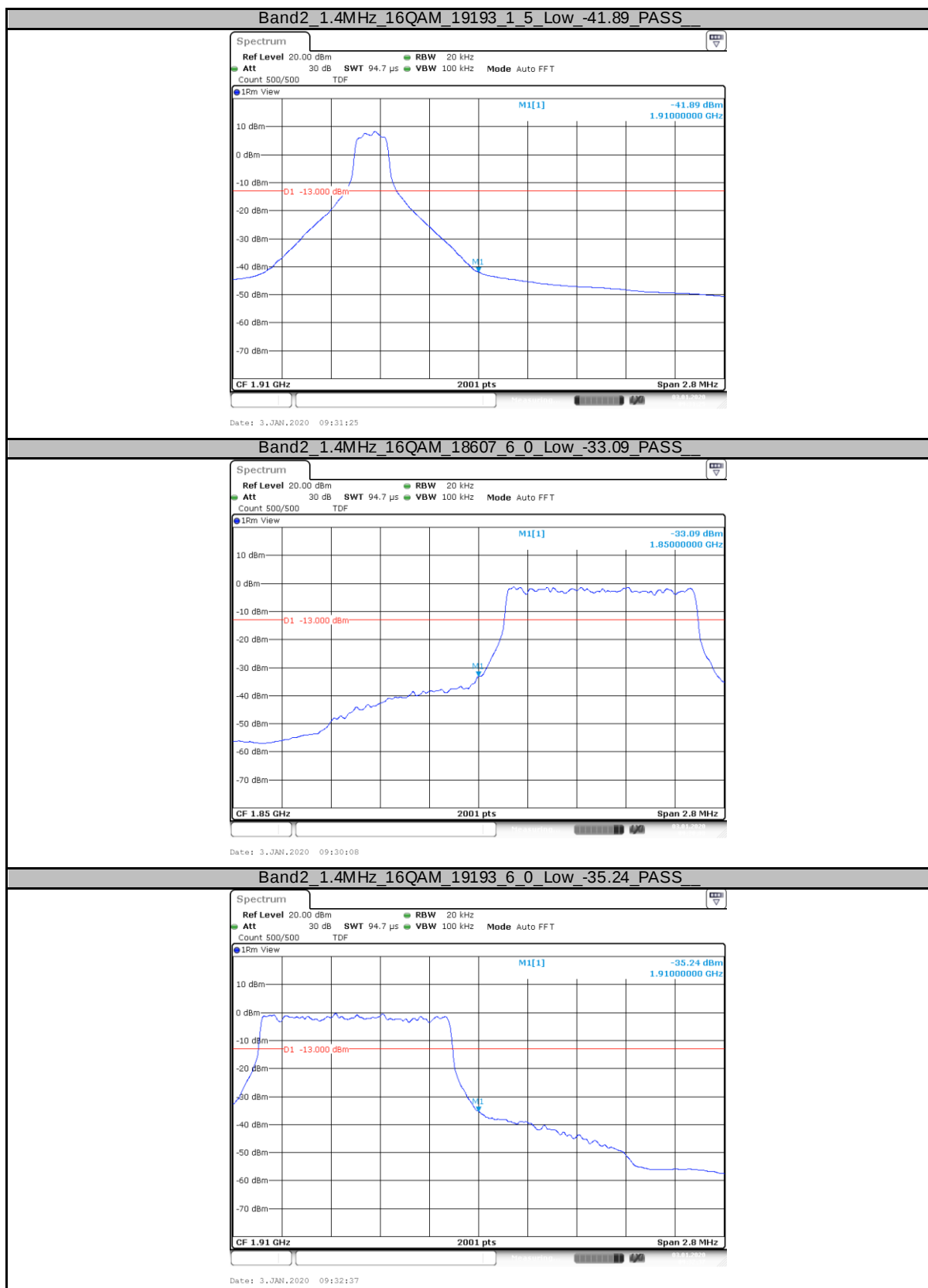
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1	0	Low	-31.48	PASS
Band2	1.4MHz	QPSK	19193	1	5	Low	-42.11	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	-32.90	PASS
Band2	1.4MHz	QPSK	19193	6	0	Low	-34.36	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	-32.18	PASS
Band2	1.4MHz	16QAM	19193	1	5	Low	-41.89	PASS
Band2	1.4MHz	16QAM	18607	6	0	Low	-33.09	PASS
Band2	1.4MHz	16QAM	19193	6	0	Low	-35.24	PASS

Test Graphs







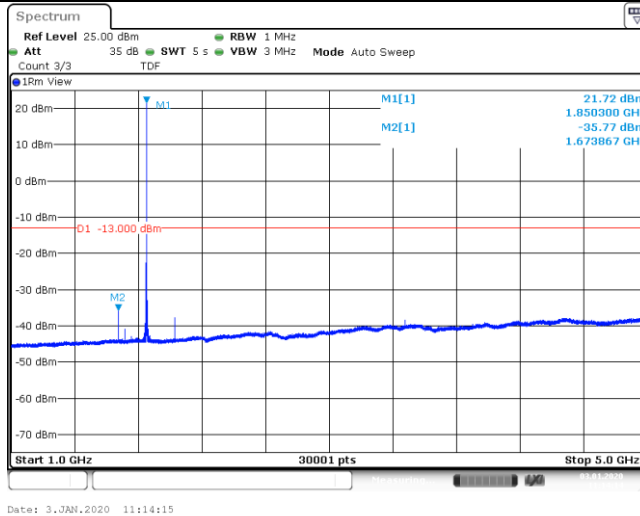
Appendix A.5: Conducted Spurious Emission for M1

Test Result

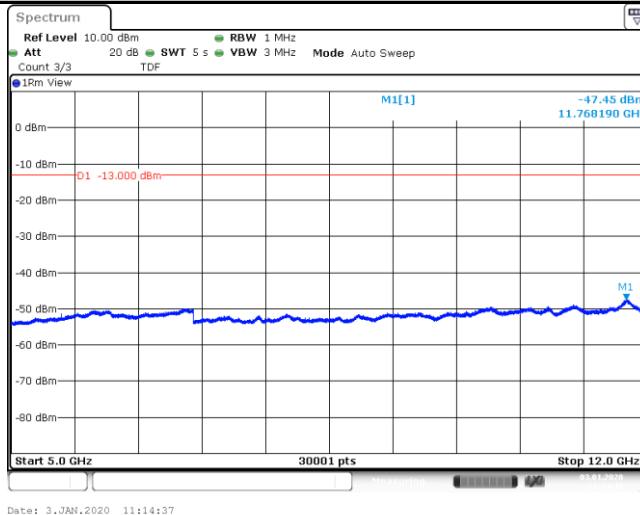
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1	0	Low	1000	5000	-35.77	PASS
Band2	1.4MHz	QPSK	18607	1	0	Low	5000	12000	-47.45	PASS
Band2	1.4MHz	QPSK	18607	1	0	Low	12000	26500	-41.3	PASS
Band2	1.4MHz	QPSK	18607	1	0	Low	30	1000	-35.86	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	5000	12000	-47.48	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	1000	5000	-35.79	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	30	1000	-36.05	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	12000	26500	-41.34	PASS
Band2	1.4MHz	QPSK	19193	1	5	Low	5000	12000	-47.42	PASS
Band2	1.4MHz	QPSK	19193	1	5	Low	1000	5000	-37.25	PASS
Band2	1.4MHz	QPSK	19193	1	5	Low	12000	26500	-41.18	PASS
Band2	1.4MHz	QPSK	19193	1	5	Low	30	1000	-35.32	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	5000	12000	-47.18	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	12000	26500	-41.41	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	1000	5000	-37.81	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	30	1000	-35.57	PASS
Band2	1.4MHz	QPSK	18900	6	0	Low	30	1000	-35.79	PASS
Band2	1.4MHz	QPSK	18900	6	0	Low	5000	12000	-47.39	PASS
Band2	1.4MHz	QPSK	18900	6	0	Low	1000	5000	-37.77	PASS
Band2	1.4MHz	QPSK	18900	6	0	Low	12000	26500	-41.07	PASS
Band2	1.4MHz	QPSK	19193	6	0	Low	30	1000	-35.25	PASS
Band2	1.4MHz	QPSK	19193	6	0	Low	1000	5000	-37.88	PASS
Band2	1.4MHz	QPSK	19193	6	0	Low	5000	12000	-47.37	PASS
Band2	1.4MHz	QPSK	19193	6	0	Low	12000	26500	-41.21	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	30	1000	-35.54	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	1000	5000	-36.28	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	12000	26500	-41.49	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	5000	12000	-47.51	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	1000	5000	-37.66	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	12000	26500	-41.41	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	30	1000	-35.73	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	5000	12000	-47.33	PASS
Band2	1.4MHz	16QAM	19193	1	5	Low	12000	26500	-41.36	PASS
Band2	1.4MHz	16QAM	19193	1	5	Low	5000	12000	-47.42	PASS
Band2	1.4MHz	16QAM	19193	1	5	Low	1000	5000	-37.75	PASS
Band2	1.4MHz	16QAM	19193	1	5	Low	30	1000	-34.83	PASS
Band2	1.4MHz	16QAM	18607	6	0	Low	12000	26500	-41.44	PASS
Band2	1.4MHz	16QAM	18607	6	0	Low	5000	12000	-47.47	PASS
Band2	1.4MHz	16QAM	18607	6	0	Low	1000	5000	-37.88	PASS
Band2	1.4MHz	16QAM	18607	6	0	Low	30	1000	-35.06	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	1000	5000	-37.82	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	5000	12000	-47.48	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	30	1000	-35.46	PASS
Band2	1.4MHz	16QAM	18900	6	0	Low	12000	26500	-41.47	PASS
Band2	1.4MHz	16QAM	19193	6	0	Low	12000	26500	-41.38	PASS
Band2	1.4MHz	16QAM	19193	6	0	Low	30	1000	-35.28	PASS
Band2	1.4MHz	16QAM	19193	6	0	Low	1000	5000	-37.8	PASS
Band2	1.4MHz	16QAM	19193	6	0	Low	5000	12000	-47.4	PASS

Test Graphs

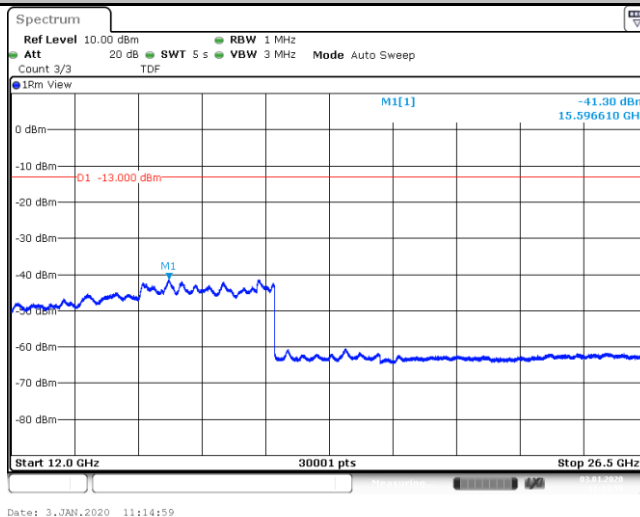
Band2_1.4MHz_QPSK_18607_1_0_Low_1000_5000_-35.77_PASS_



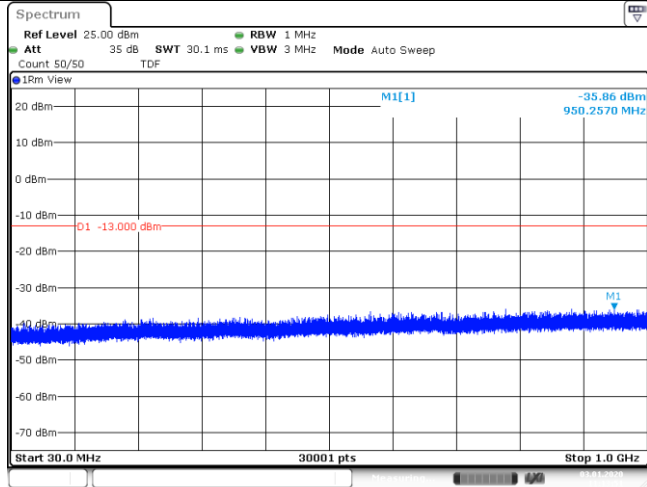
Band2_1.4MHz_QPSK_18607_1_0_Low_5000_12000_-47.45_PASS_



Band2_1.4MHz_QPSK_18607_1_0_Low_12000_26500_-41.3_PASS_

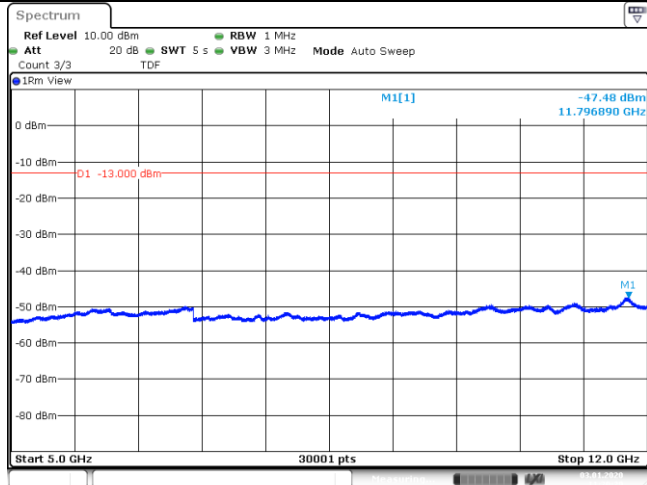


Band2_1.4MHz_QPSK_18607_1_0_Low_30_1000_-35.86_PASS__



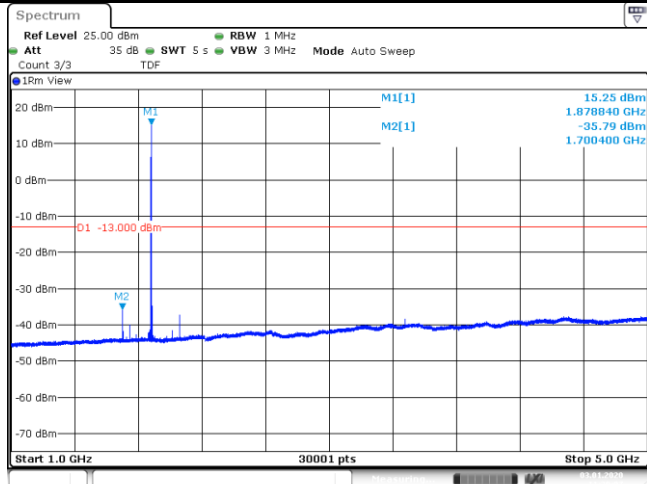
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Band2_1.4MHz_QPSK_18900_1_0_Low_5000_12000_-47.48_PASS__



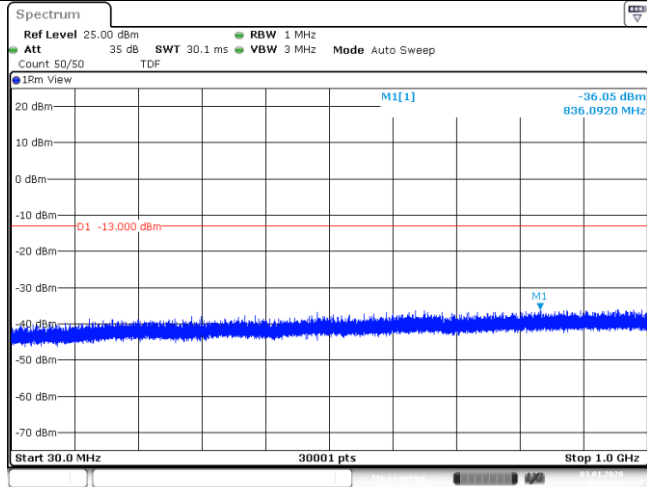
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Band2_1.4MHz_QPSK_18900_1_0_Low_1000_5000_-35.79_PASS__

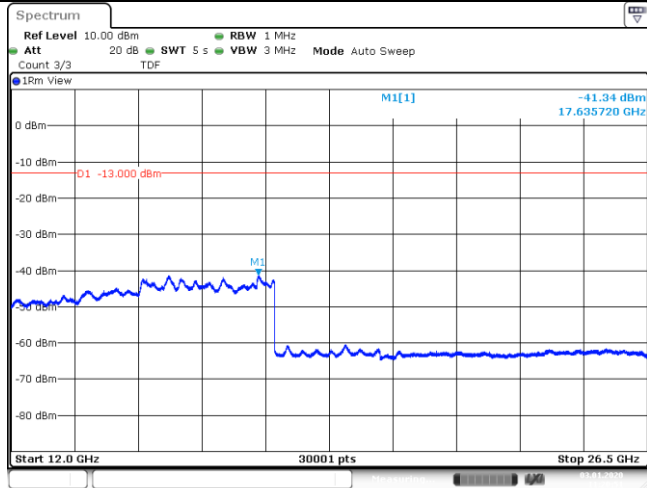


Date: 3.JAN.2020 11:20:07

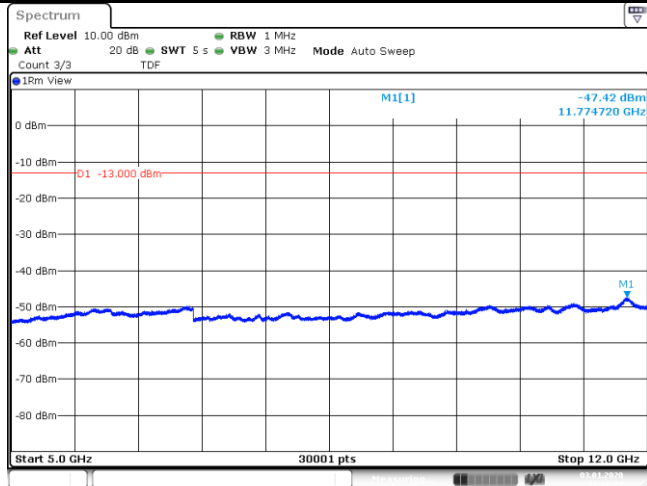
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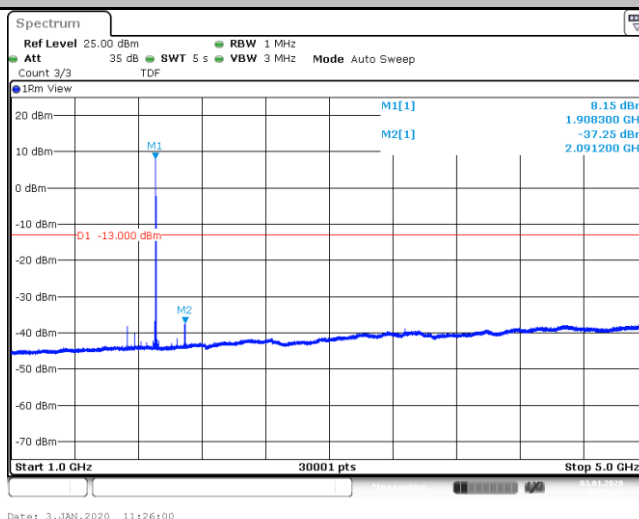
Band2_1.4MHz_QPSK_18900_1_0_Low_12000_26500_-41.34_PASS



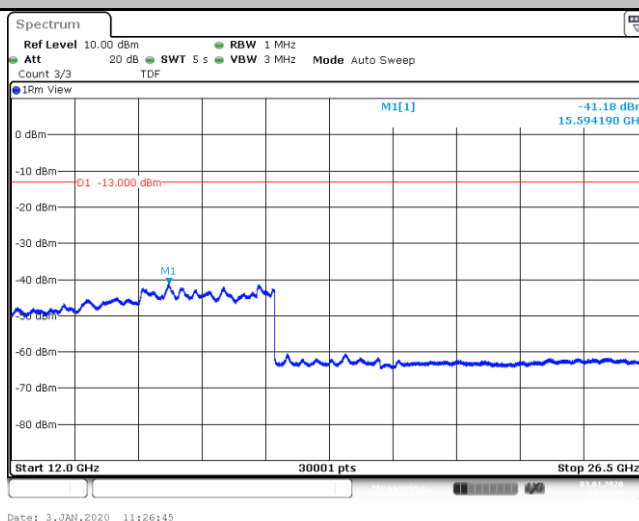
Band2_1.4MHz_QPSK_19193_1_5_Low_5000_12000_-47.42_PASS



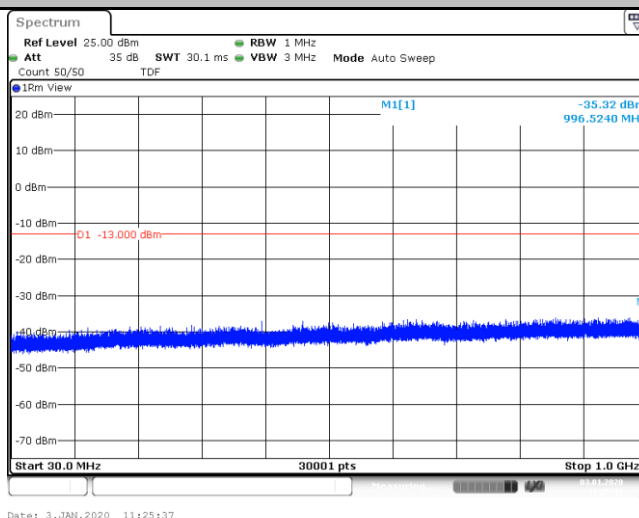
Band2_1.4MHz_QPSK_19193_1_5_Low_1000_5000_-37.25_PASS__



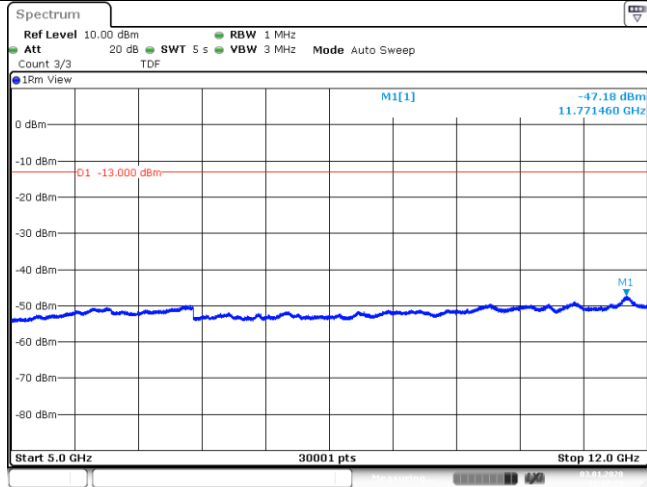
Band2_1.4MHz_QPSK_19193_1_5_Low_12000_26500_-41.18_PASS__



Band2_1.4MHz_QPSK_19193_1_5_Low_30_1000_-35.32_PASS__

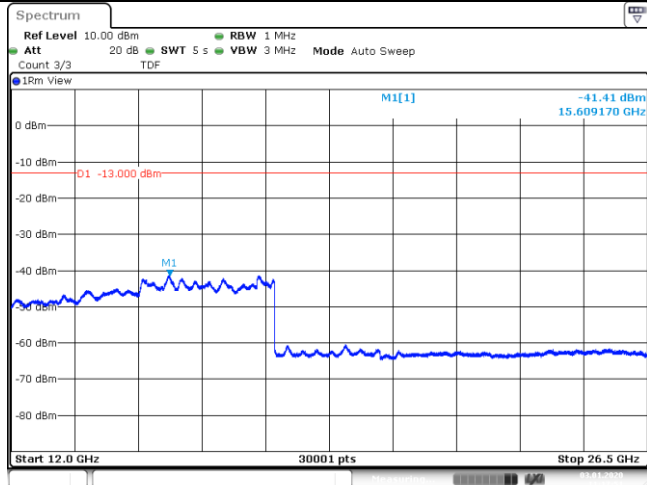


Band2_1.4MHz_QPSK_18607_6_0_Low_5000_12000_-47.18_PASS__



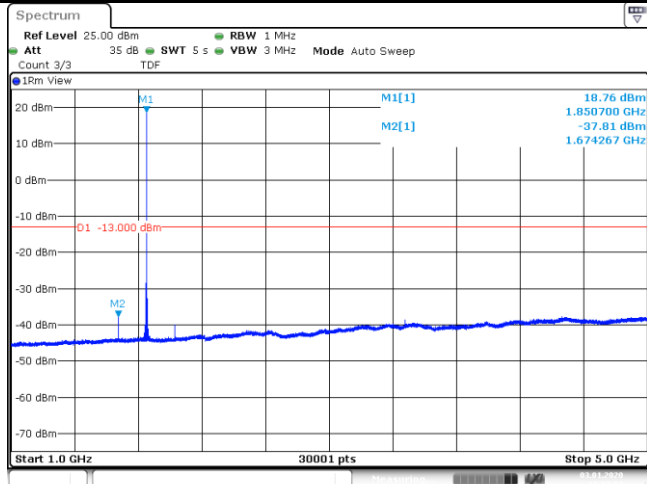
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Band2_1.4MHz_QPSK_18607_6_0_Low_12000_26500_-41.41_PASS__



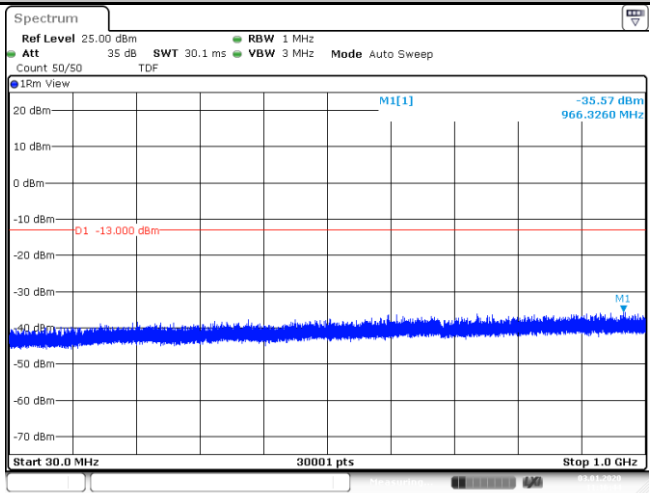
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Band2_1.4MHz_QPSK_18607_6_0_Low_1000_5000_-37.81_PASS__



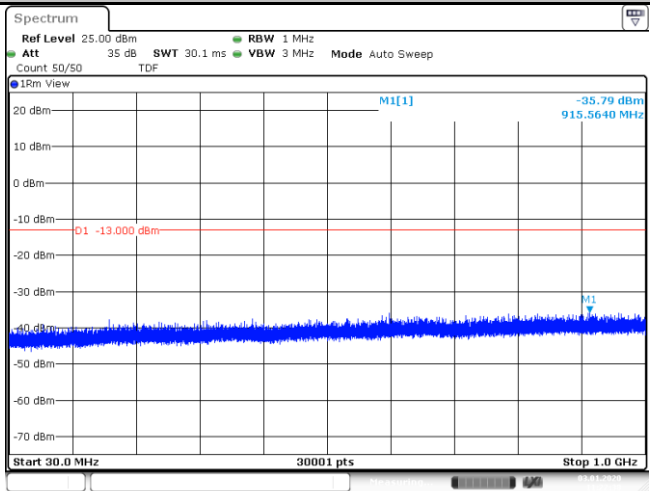
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Band2_1.4MHz_QPSK_18607_6_0_Low_30_1000_-35.57_PASS



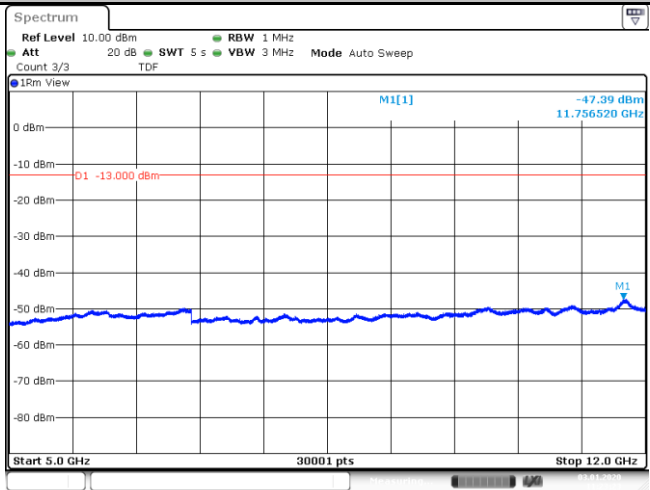
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Band2_1.4MHz_QPSK_18900_6_0_Low_30_1000_-35.79_PASS



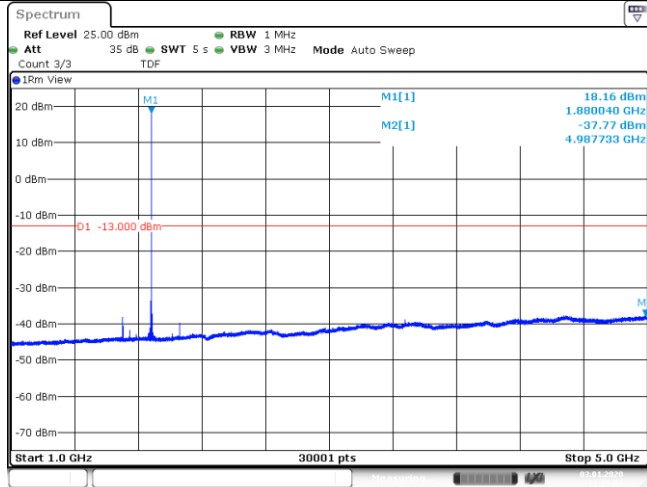
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Band2_1.4MHz_QPSK_18900_6_0_Low_5000_12000_-47.39_PASS

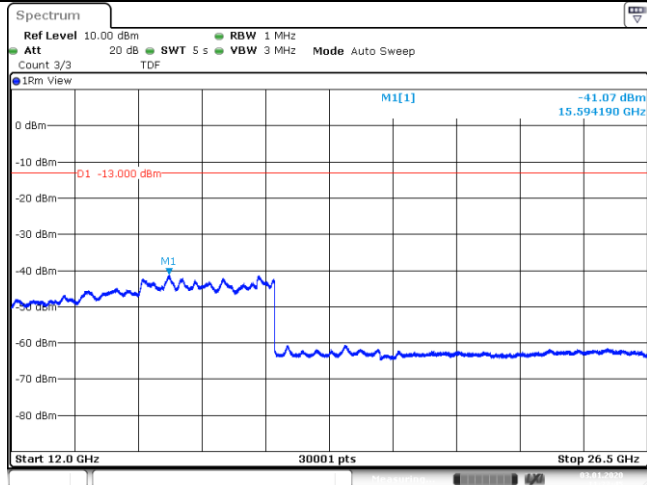


Date: 3.JAN.2020 11:23:23

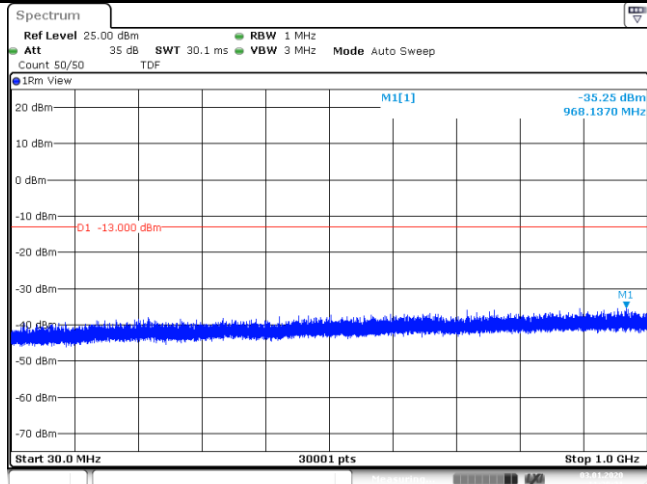
Band2_1.4MHz_QPSK_18900_6_0_Low_1000_5000_-37.77_PASS__



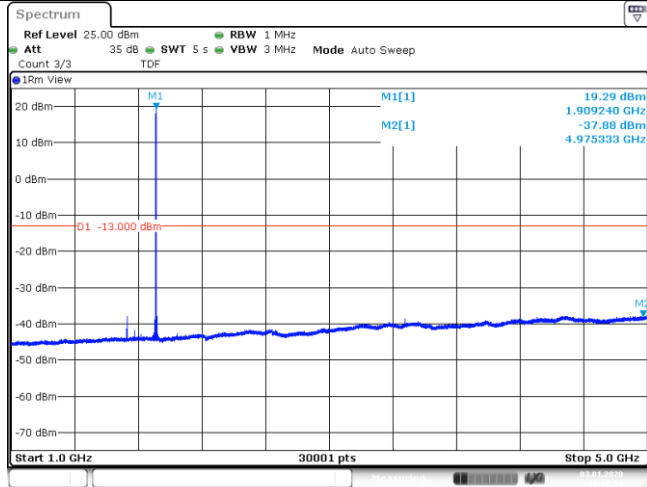
Band2_1.4MHz_QPSK_18900_6_0_Low_12000_26500_-41.07_PASS__



Band2_1.4MHz_QPSK_19193_6_0_Low_30_1000_-35.25_PASS__

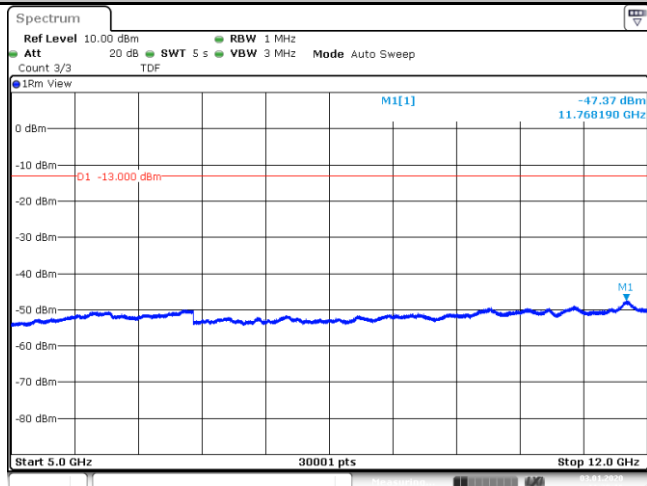


Band2_1.4MHz_QPSK_19193_6_0_Low_1000_5000_-37.88_PASS__



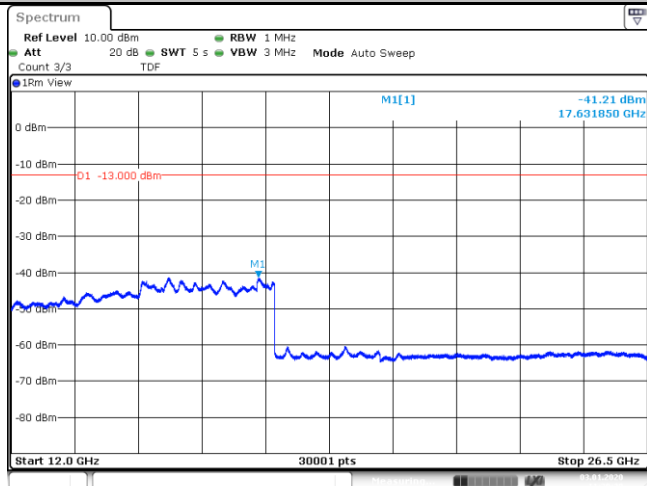
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Band2_1.4MHz_QPSK_19193_6_0_Low_5000_12000_-47.37_PASS__



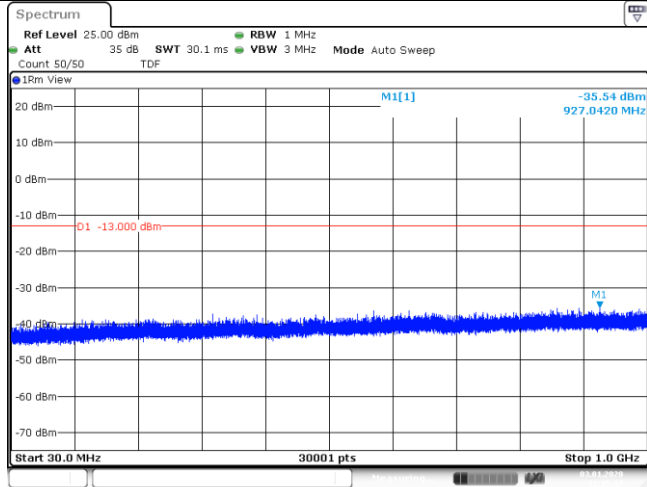
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Band2_1.4MHz_QPSK_19193_6_0_Low_12000_26500_-41.21_PASS__



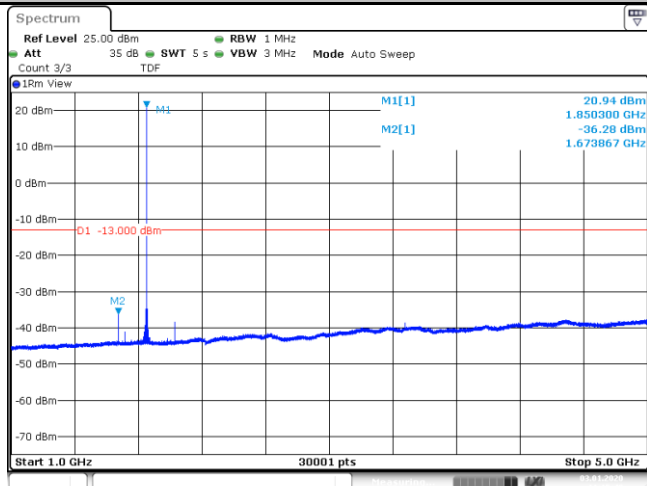
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Band2_1.4MHz_16QAM_18607_1_0_Low_30_1000_-35.54_PASS__



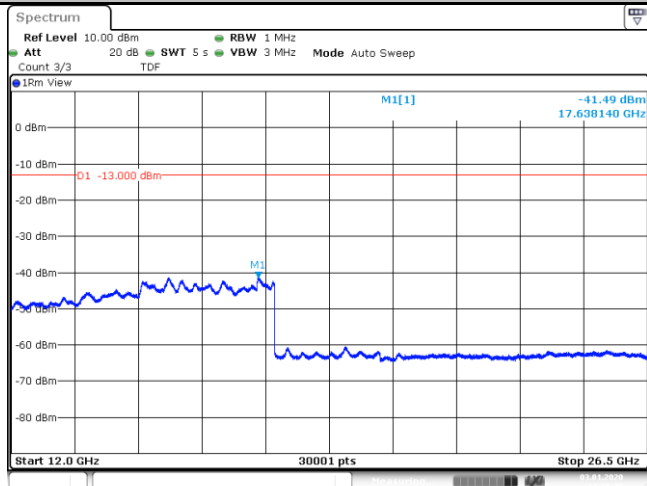
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Band2_1.4MHz_16QAM_18607_1_0_Low_1000_5000_-36.28_PASS__



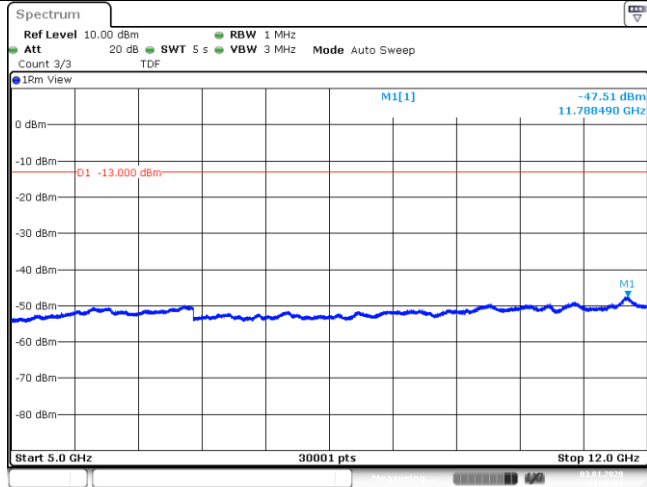
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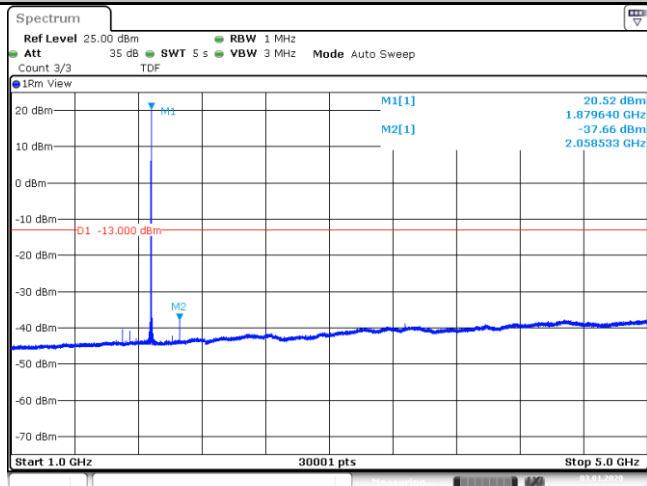
Date: 3.JAN.2020 11:16:25

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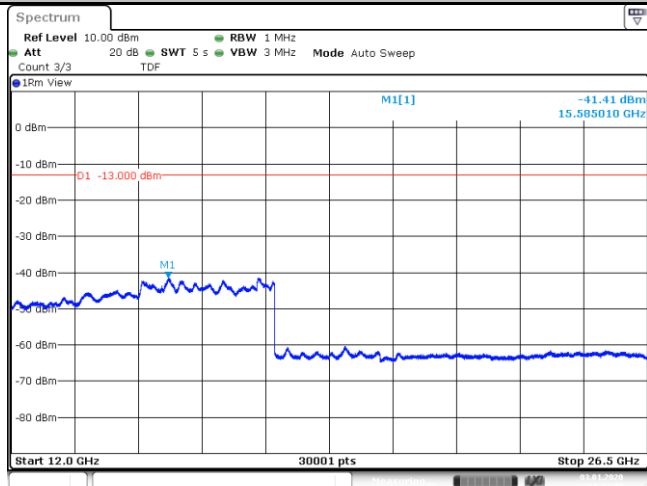
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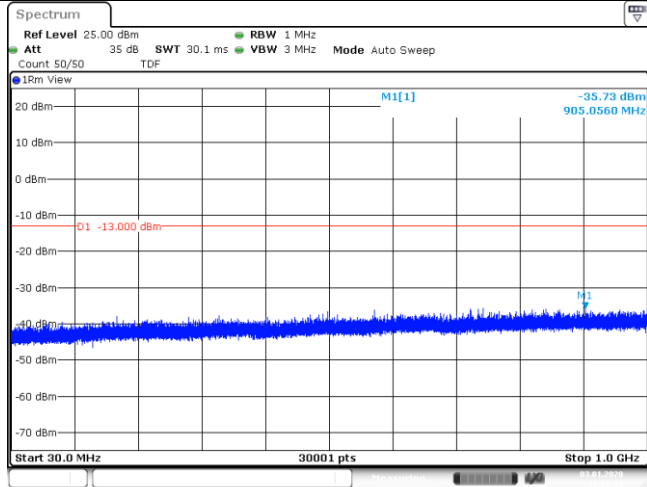
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Band2_1.4MHz_16QAM_18900_1_0_Low_12000_26500_-41.41_PASS__



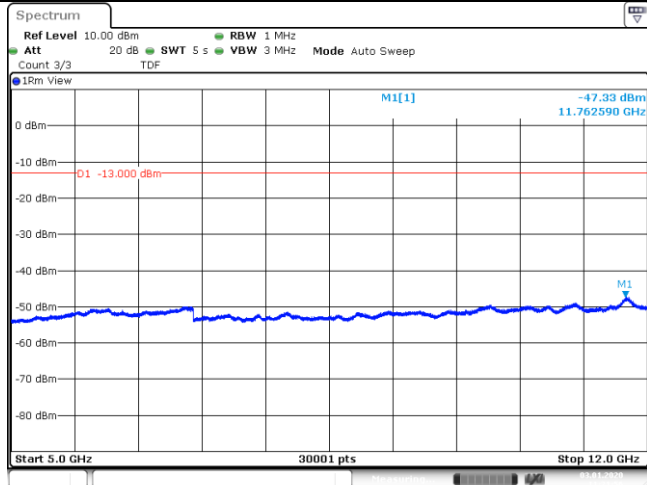
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Band2_1.4MHz_16QAM_18900_1_0_Low_30_1000_-35.73_PASS__



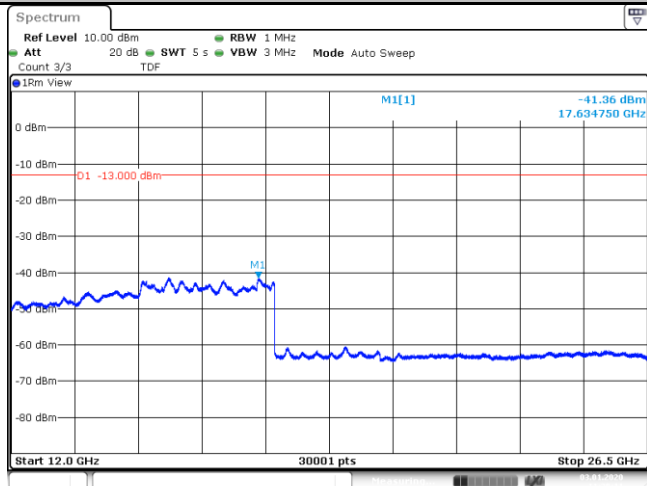
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Band2_1.4MHz_16QAM_18900_1_0_Low_5000_12000_-47.33_PASS__



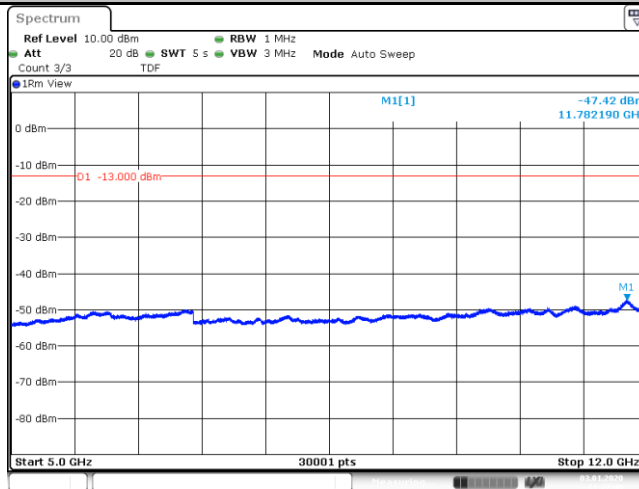
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Band2_1.4MHz_16QAM_19193_1_5_Low_12000_26500_-41.36_PASS__



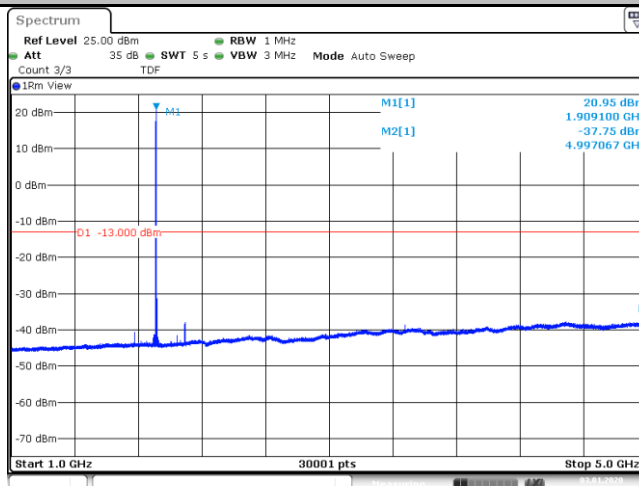
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Band2_1.4MHz_16QAM_19193_1_5_Low_5000_12000_-47.42_PASS__



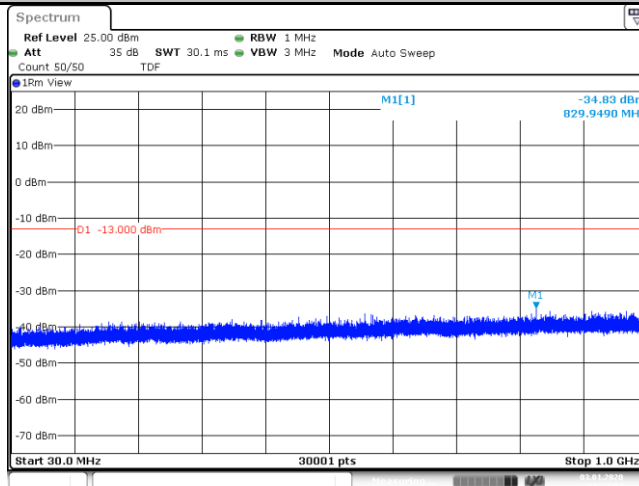
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Band2_1.4MHz_16QAM_19193_1_5_Low_1000_5000_-37.75_PASS__



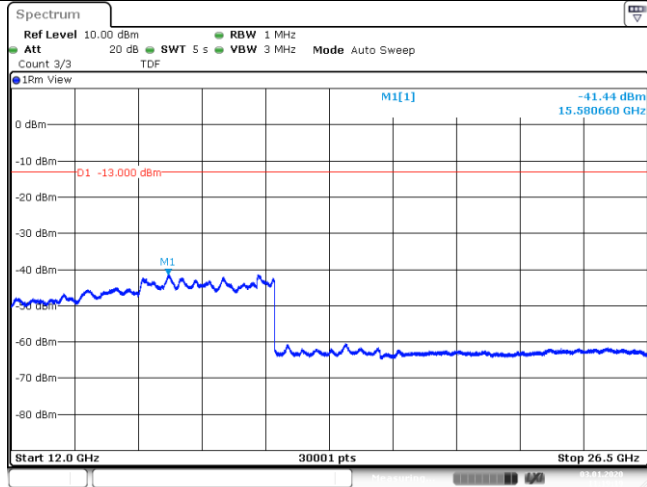
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Band2_1.4MHz_16QAM_19193_1_5_Low_30_1000_-34.83_PASS__



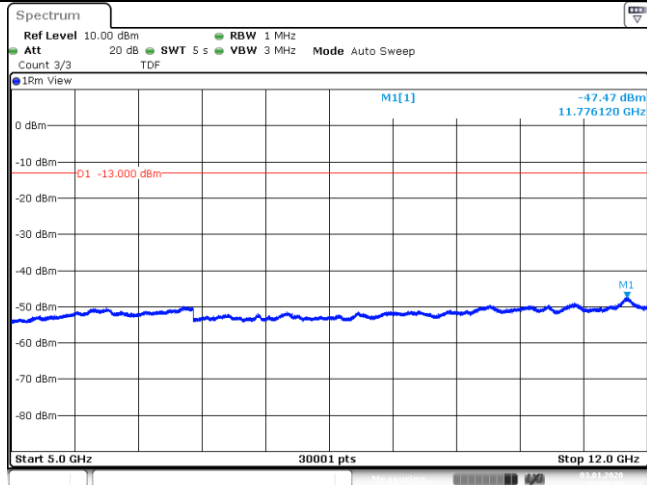
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Band2_1.4MHz_16QAM_18607_6_0_Low_12000_26500_-41.44_PASS__



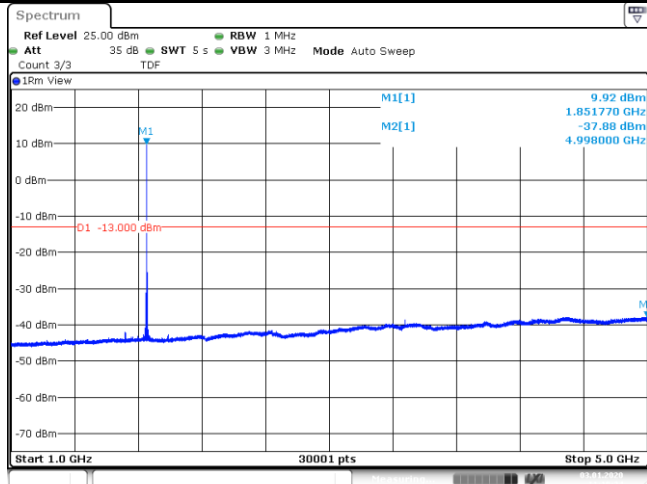
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Band2_1.4MHz_16QAM_18607_6_0_Low_5000_12000_-47.47_PASS__



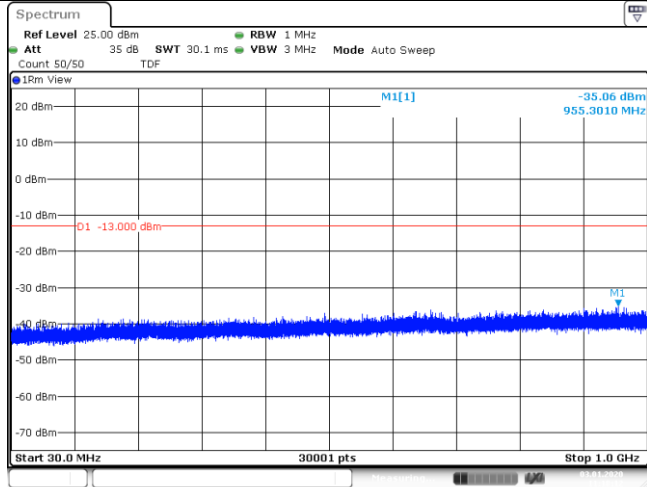
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Band2_1.4MHz_16QAM_18607_6_0_Low_1000_5000_-37.88_PASS__



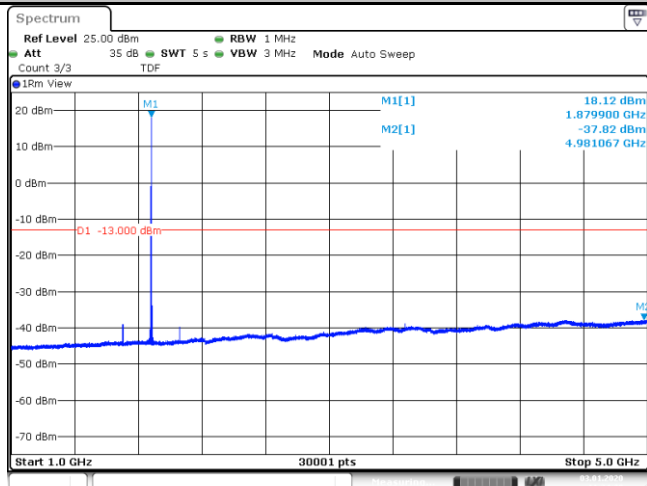
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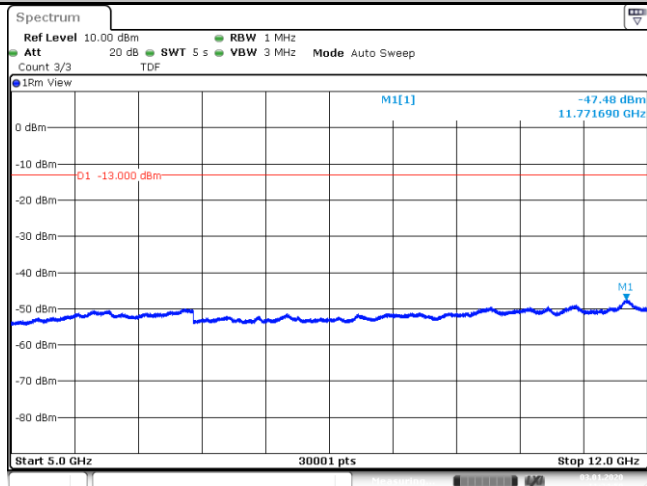
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Band2_1.4MHz_16QAM_18900_6_0_Low_1000_5000_-37.82_PASS__



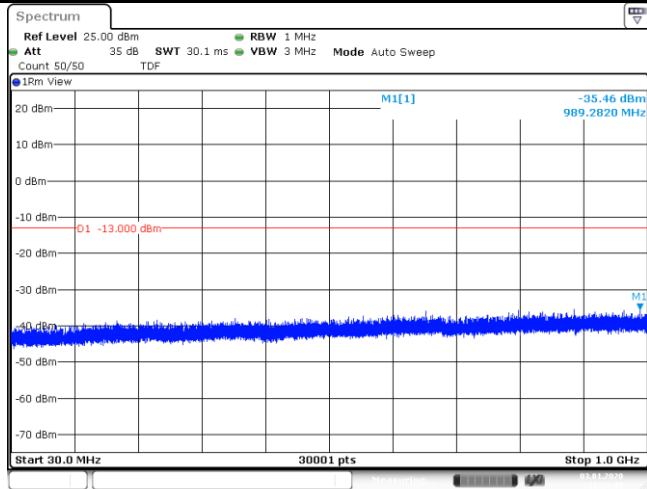
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Band2_1.4MHz_16QAM_18900_6_0_Low_5000_12000_-47.48_PASS__



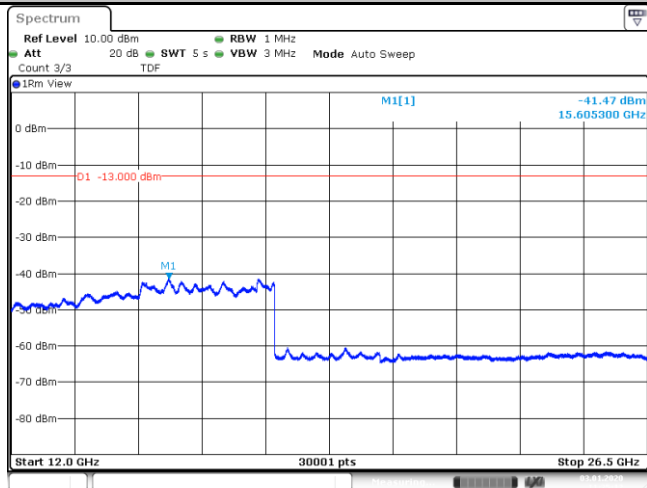
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Band2_1.4MHz_16QAM_18900_6_0_Low_30_1000_-35.46_PASS__



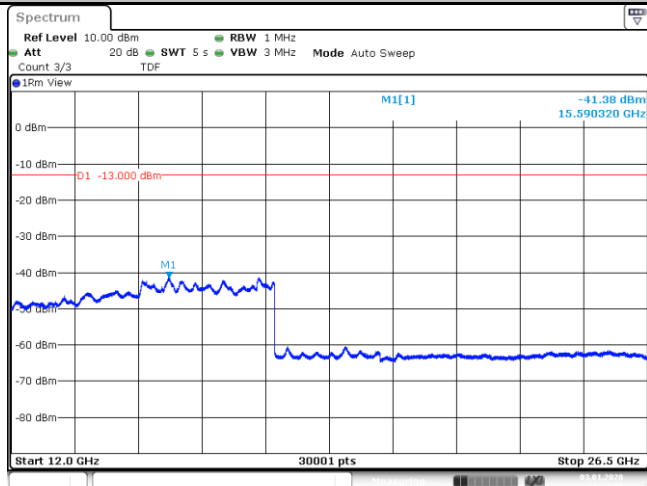
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Band2_1.4MHz_16QAM_18900_6_0_Low_12000_26500_-41.47_PASS__



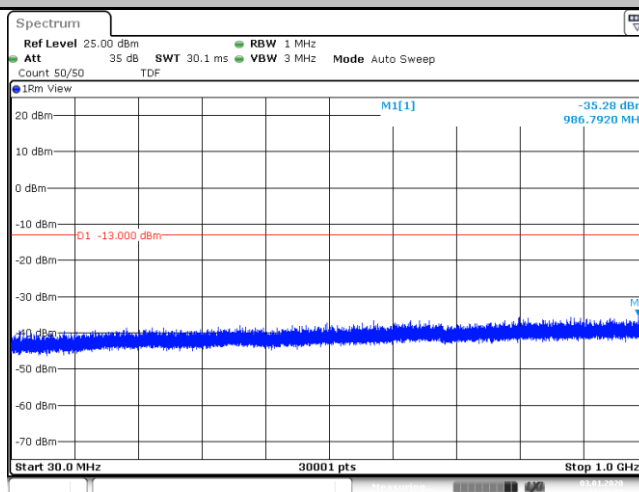
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Band2_1.4MHz_16QAM_19193_6_0_Low_12000_26500_-41.38_PASS__



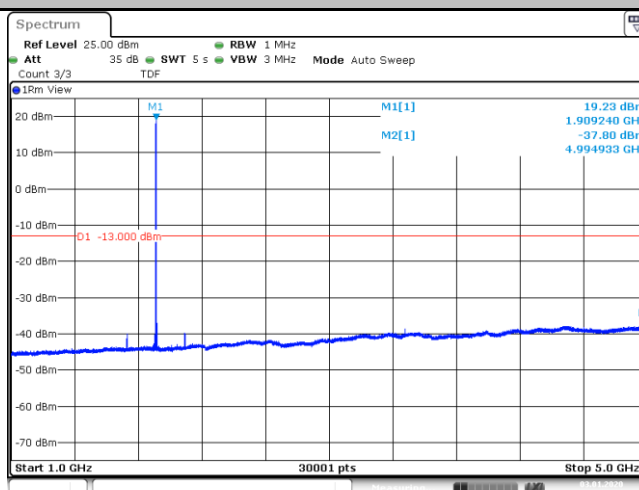
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Band2_1.4MHz_16QAM_19193_6_0_Low_30_1000_-35.28_PASS__



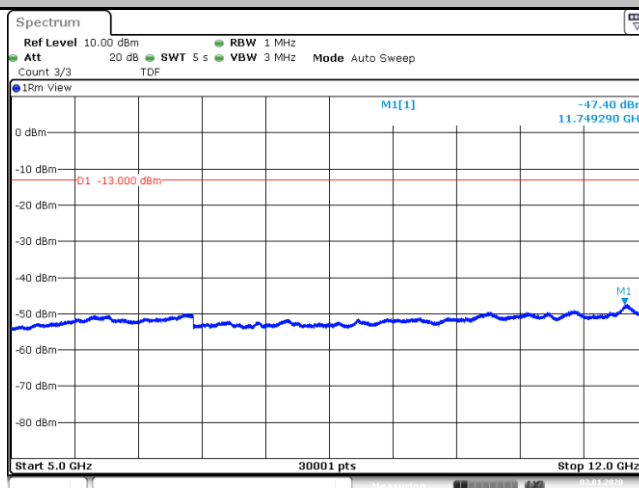
Date: 3.JAN.2020 11:29:59

Band2_1.4MHz_16QAM_19193_6_0_Low_1000_5000_-37.8_PASS__



Date: 3.JAN.2020 11:30:21

Band2_1.4MHz_16QAM_19193_6_0_Low_5000_12000_-47.4_PASS__



Date: 3.JAN.2020 11:30:44

Appendix A.6: Frequency Stability for M1

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	1	0	Low	HV	NT	-20.41	-0.010856	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	LV	NT	-21.39	-0.011378	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	NT	-22.40	-0.011915	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	HV	NT	-18.61	-0.009899	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	LV	NT	-18.87	-0.010037	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	NT	-19.78	-0.010521	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	85	-17.65	-0.009388	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	-30	-18.75	-0.009973	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	-20	-18.77	-0.009984	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	-10	-17.55	-0.009335	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	0	-17.28	-0.009191	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	10	-16.81	-0.008941	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	20	-21.33	-0.011346	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	30	-18.93	-0.010069	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	40	-19.37	-0.010303	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	50	-16.78	-0.008926	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	60	-14.78	-0.007862	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	70	-19.70	-0.010479	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	-40	-17.72	-0.009426	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	NV	80	-18.08	-0.009617	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	85	-15.79	-0.008399	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	-30	-14.38	-0.007649	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	-20	-13.15	-0.006995	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	-10	-17.84	-0.009489	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	0	-17.81	-0.009473	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	10	-15.25	-0.008112	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	20	-17.60	-0.009362	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	30	-20.50	-0.010904	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	40	-16.99	-0.009037	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	50	-14.66	-0.007798	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	60	-14.06	-0.007479	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	70	-21.29	-0.011324	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	80	-22.22	-0.011819	±2.5	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	NV	-40	-20.11	-0.010697	±2.5	PASS