

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	Index	Result (dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	24.21	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	21.86	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	23.88	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	21.52	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	23.76	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	21.57	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	22.83	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	21.85	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	22.54	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	21.50	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	22.57	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	21.57	PASS
Band2	3MHz	18615	QPSK	1	0	Low	24.20	PASS
Band2	3MHz	18615	QPSK	6	0	Low	21.83	PASS
Band2	3MHz	18900	QPSK	1	0	Low	23.81	PASS
Band2	3MHz	18900	QPSK	6	0	Low	21.47	PASS
Band2	3MHz	19185	QPSK	1	5	High	23.83	PASS
Band2	3MHz	19185	QPSK	6	0	High	21.56	PASS
Band2	3MHz	18615	16QAM	1	0	Low	22.83	PASS
Band2	3MHz	18615	16QAM	6	0	Low	21.83	PASS
Band2	3MHz	18900	16QAM	1	0	Low	22.60	PASS
Band2	3MHz	18900	16QAM	6	0	Low	21.55	PASS
Band2	3MHz	19185	16QAM	1	5	High	22.65	PASS
Band2	3MHz	19185	16QAM	6	0	High	21.67	PASS
Band2	5MHz	18625	QPSK	1	0	Low	24.23	PASS
Band2	5MHz	18625	QPSK	6	0	Low	22.98	PASS
Band2	5MHz	18900	QPSK	1	0	Low	23.90	PASS
Band2	5MHz	18900	QPSK	6	0	Low	22.77	PASS
Band2	5MHz	19175	QPSK	1	5	High	23.89	PASS
Band2	5MHz	19175	QPSK	3	3	High	22.73	PASS
Band2	5MHz	18625	16QAM	1	0	Low	24.38	PASS
Band2	5MHz	18625	16QAM	6	0	Low	22.98	PASS
Band2	5MHz	18900	16QAM	1	0	Low	24.17	PASS
Band2	5MHz	18900	16QAM	6	0	Low	22.77	PASS
Band2	5MHz	19175	16QAM	1	5	High	24.02	PASS
Band2	5MHz	19175	16QAM	3	3	High	23.02	PASS
Band2	10MHz	18650	QPSK	1	0	Low	24.20	PASS
Band2	10MHz	18650	QPSK	5	0	Low	23.07	PASS
Band2	10MHz	18900	QPSK	1	0	Low	24.07	PASS
Band2	10MHz	18900	QPSK	5	0	Low	22.86	PASS

Band2	10MHz	19150	QPSK	1	5	High	23.88	PASS
Band2	10MHz	19150	QPSK	5	1	High	22.81	PASS
Band2	10MHz	18650	16QAM	1	0	Low	24.38	PASS
Band2	10MHz	18650	16QAM	5	0	Low	23.08	PASS
Band2	10MHz	18900	16QAM	1	0	Low	24.21	PASS
Band2	10MHz	18900	16QAM	5	0	Low	22.93	PASS
Band2	10MHz	19150	16QAM	1	5	High	24.00	PASS
Band2	10MHz	19150	16QAM	5	1	High	23.01	PASS
Band2	15MHz	18675	QPSK	1	0	Low	24.16	PASS
Band2	15MHz	18675	QPSK	6	0	Low	24.08	PASS
Band2	15MHz	18900	QPSK	1	0	Low	24.01	PASS
Band2	15MHz	18900	QPSK	6	0	Low	23.99	PASS
Band2	15MHz	19125	QPSK	1	5	High	23.86	PASS
Band2	15MHz	19125	QPSK	6	0	High	23.96	PASS
Band2	15MHz	18675	16QAM	1	0	Low	24.35	PASS
Band2	15MHz	18675	16QAM	6	0	Low	24.08	PASS
Band2	15MHz	18900	16QAM	1	0	Low	24.32	PASS
Band2	15MHz	18900	16QAM	6	0	Low	23.98	PASS
Band2	15MHz	19125	16QAM	1	5	High	24.05	PASS
Band2	15MHz	19125	16QAM	6	0	High	23.96	PASS
Band2	20MHz	18700	QPSK	1	0	Low	24.21	PASS
Band2	20MHz	18700	QPSK	6	0	Low	24.03	PASS
Band2	20MHz	18900	QPSK	1	0	Low	24.00	PASS
Band2	20MHz	18900	QPSK	6	0	Low	23.92	PASS
Band2	20MHz	19100	QPSK	1	5	High	23.91	PASS
Band2	20MHz	19100	QPSK	6	0	High	23.99	PASS
Band2	20MHz	18700	16QAM	1	0	Low	24.35	PASS
Band2	20MHz	18700	16QAM	6	0	Low	24.01	PASS
Band2	20MHz	18900	16QAM	1	0	Low	24.25	PASS
Band2	20MHz	18900	16QAM	6	0	Low	23.92	PASS
Band2	20MHz	19100	16QAM	1	5	High	24.03	PASS
Band2	20MHz	19100	16QAM	6	0	High	23.99	PASS

Note: The highest antenna gain permitted including cable loss, must satisfy both EIRP (ERP) limit and RF exposure requirements.

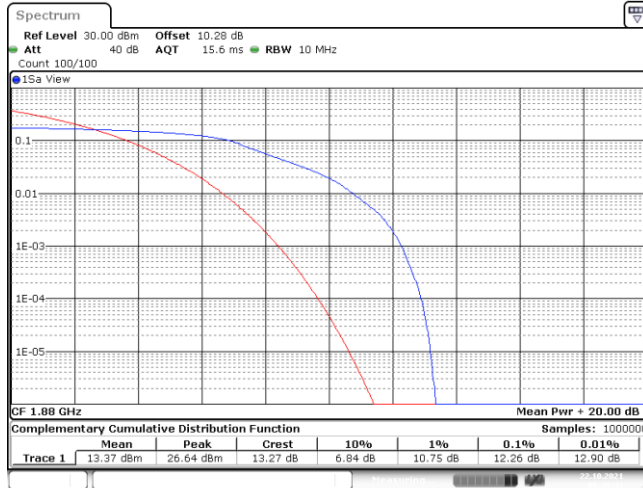
APPENDIX A.2: PEAK-TO-AVERAGE RATIO (CCDF) FOR M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Result (dB)	Limit (dB)	Verdict
Band2	1.4MHz	18900	QPSK	6	0	Low	12.26	<=13	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	9.48	<=13	PASS
Band2	3MHz	18900	QPSK	6	0	Low	11.42	<=13	PASS
Band2	3MHz	18900	16QAM	6	0	Low	12.29	<=13	PASS
Band2	5MHz	18900	QPSK	6	0	Low	11.83	<=13	PASS
Band2	5MHz	18900	16QAM	6	0	Low	10.00	<=13	PASS
Band2	10MHz	18900	QPSK	6	0	Low	11.01	<=13	PASS
Band2	10MHz	18900	16QAM	6	0	Low	9.77	<=13	PASS
Band2	15MHz	18900	QPSK	6	0	Low	11.91	<=13	PASS
Band2	15MHz	18900	16QAM	6	0	Low	9.01	<=13	PASS
Band2	20MHz	18900	QPSK	6	0	Low	10.87	<=13	PASS
Band2	20MHz	18900	16QAM	6	0	Low	11.94	<=13	PASS

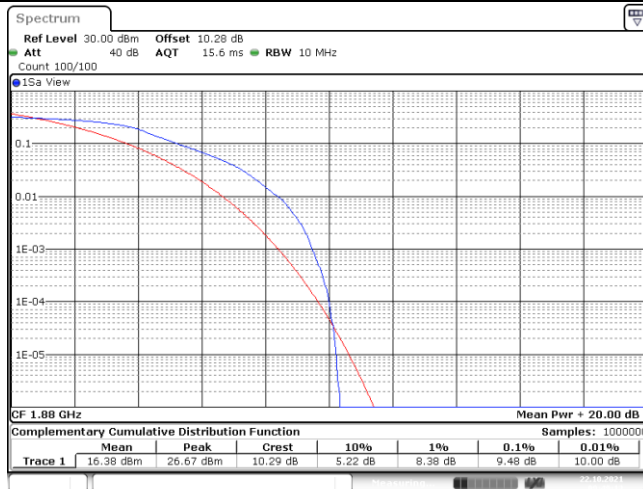
Test Graphs

Band2-1.4MHz-QPSK-18900-6-0-Low-12.26-<=13-PASS



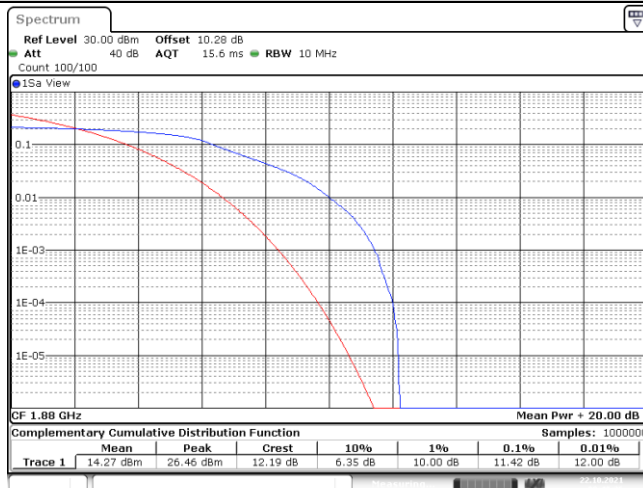
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Band2-1.4MHz-16QAM-18900-6-0-Low-9.48-<=13-PASS



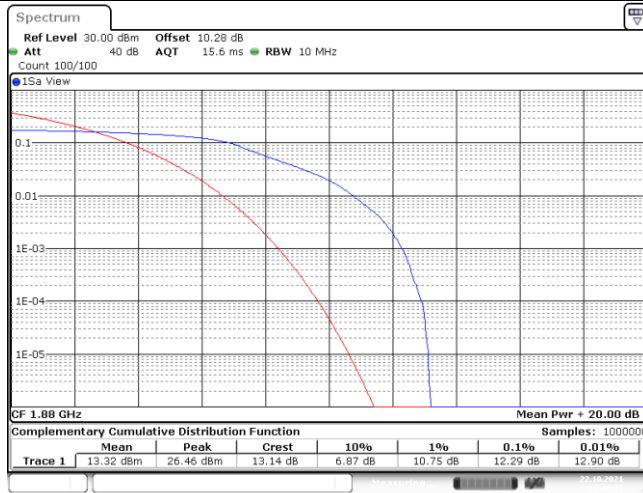
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Band2-3MHz-QPSK-18900-6-0-Low-11.42-<=13-PASS



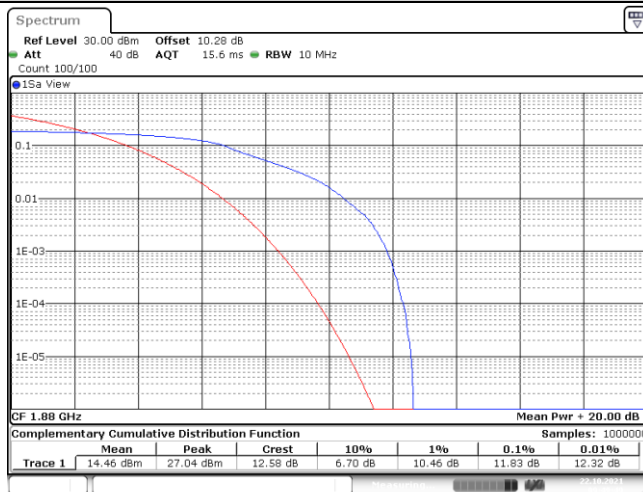
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Band2-3MHz-16QAM-18900-6-0-Low-12.29-<=13-PASS



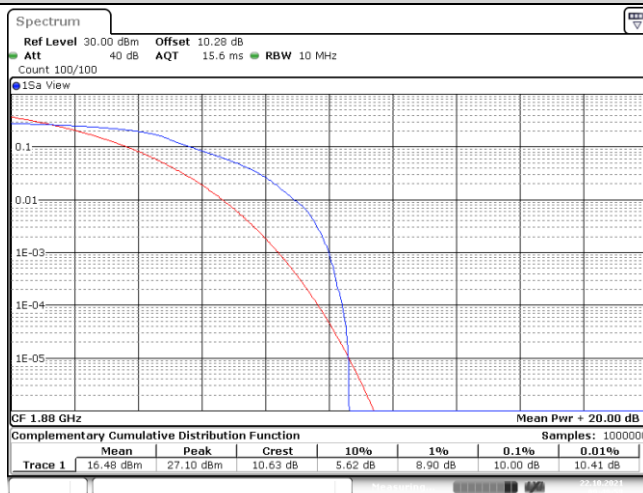
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Band2-5MHz-QPSK-18900-6-0-Low-11.83-<=13-PASS



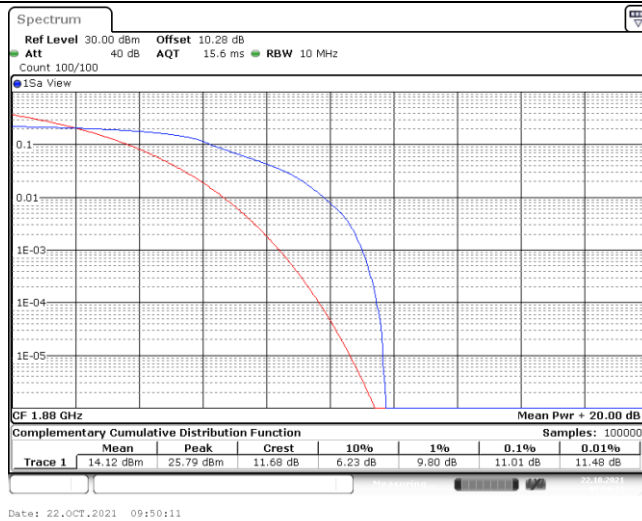
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Band2-5MHz-16QAM-18900-6-0-Low-10.00-<=13-PASS



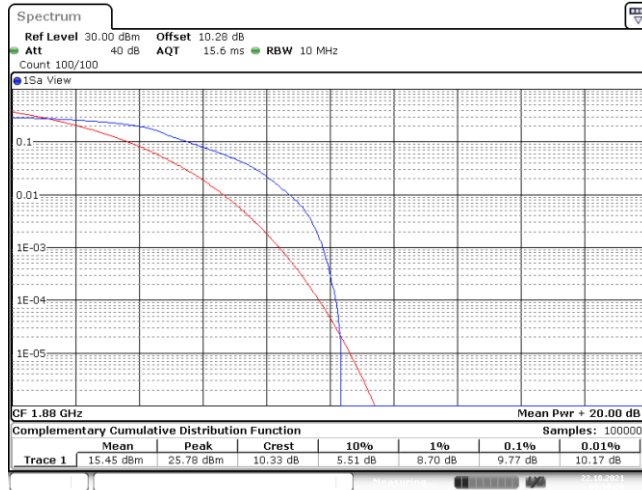
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Band2-10MHz-QPSK-18900-6-0-Low-11.01-<=13-PASS



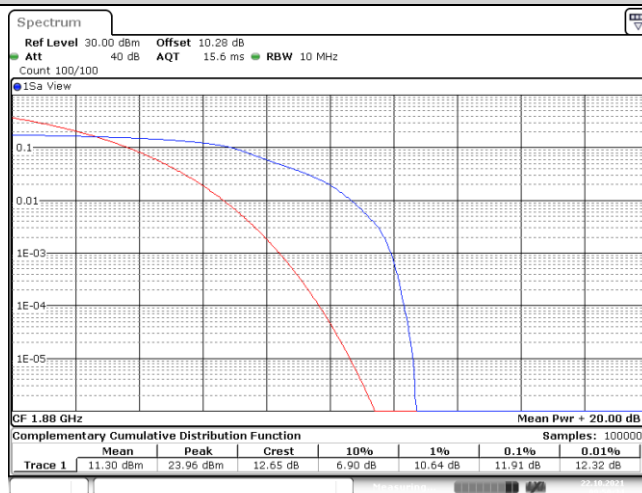
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Band2-10MHz-16QAM-18900-6-0-Low-9.77-<=13-PASS



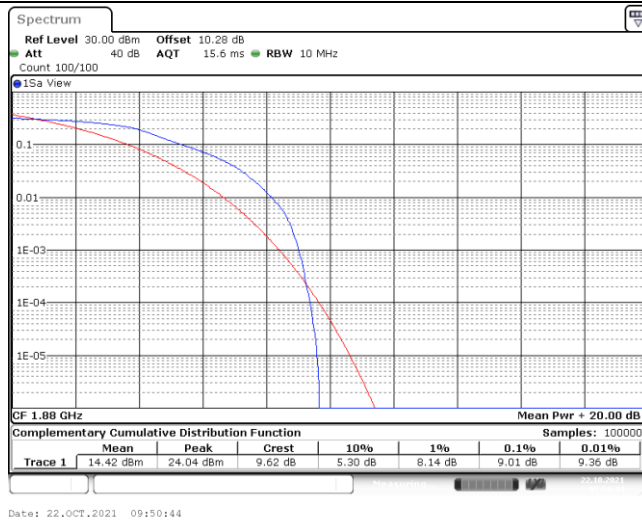
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Band2-15MHz-QPSK-18900-6-0-Low-11.91-<=13-PASS



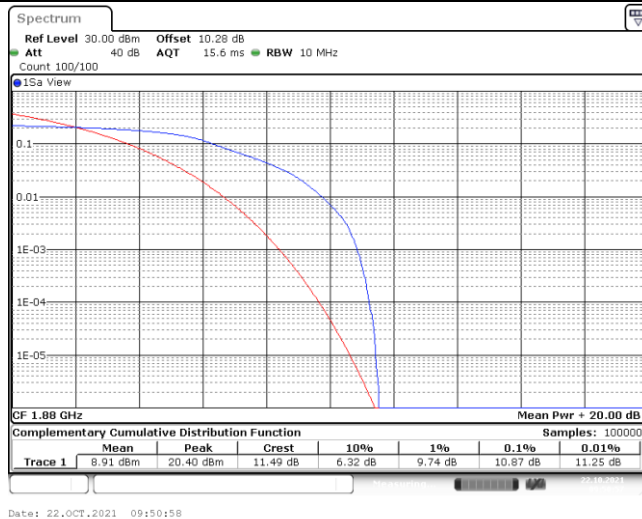
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Band2-15MHz-16QAM-18900-6-0-Low-9.01-<=13-PASS



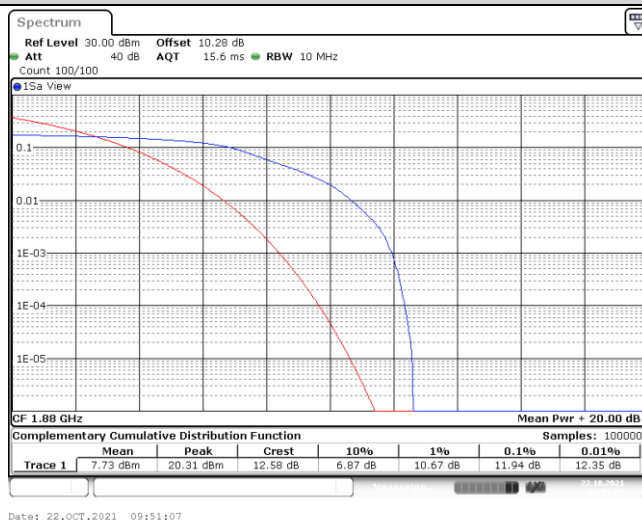
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Band2-20MHz-QPSK-18900-6-0-Low-10.87-<=13-PASS



Date: 22.OCT.2021 09:50:58

Band2-20MHz-16QAM-18900-6-0-Low-11.94-<=13-PASS



Date: 22.OCT.2021 09:51:07

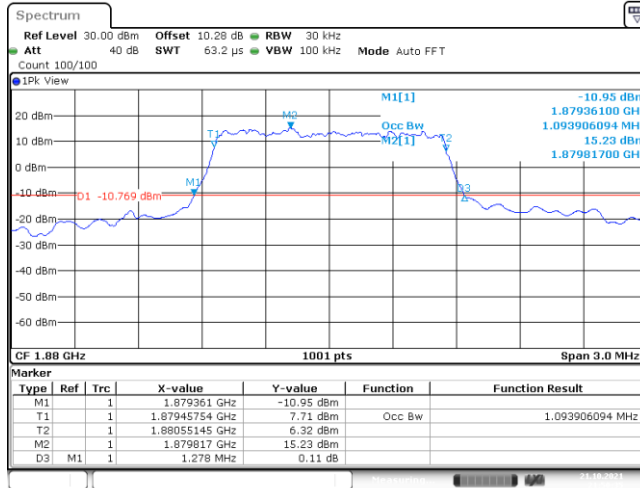
APPENDIX A.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH FOR M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	18900	QPSK	6	0	Low	1.094	1.278	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	1.091	1.278	PASS
Band2	3MHz	18900	QPSK	6	0	Low	1.097	1.290	PASS
Band2	3MHz	18900	16QAM	6	0	Low	1.097	1.290	PASS
Band2	5MHz	18900	QPSK	6	0	Low	1.109	1.300	PASS
Band2	5MHz	18900	16QAM	6	0	Low	1.109	1.300	PASS
Band2	10MHz	18900	QPSK	6	0	Low	1.099	1.300	PASS
Band2	10MHz	18900	16QAM	6	0	Low	1.099	1.320	PASS
Band2	15MHz	18900	QPSK	6	0	Low	1.139	1.350	PASS
Band2	15MHz	18900	16QAM	6	0	Low	1.139	1.350	PASS
Band2	20MHz	18900	QPSK	6	0	Low	1.119	1.360	PASS
Band2	20MHz	18900	16QAM	6	0	Low	1.119	1.400	PASS

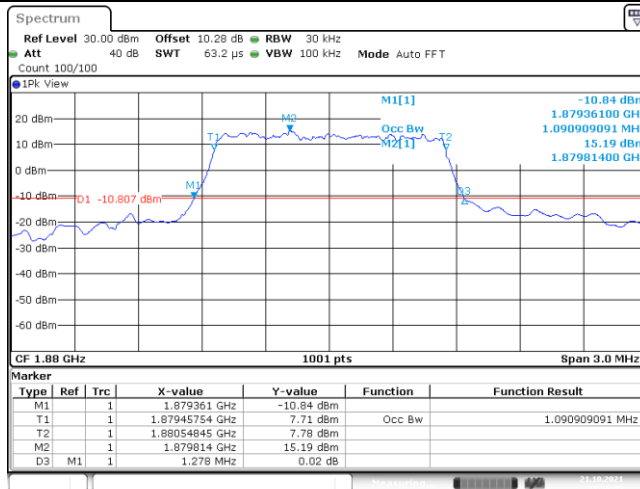
Test Graphs

Band2-1.4MHz-QPSK-18900-6-0-Low-1.094-1.278-PASS



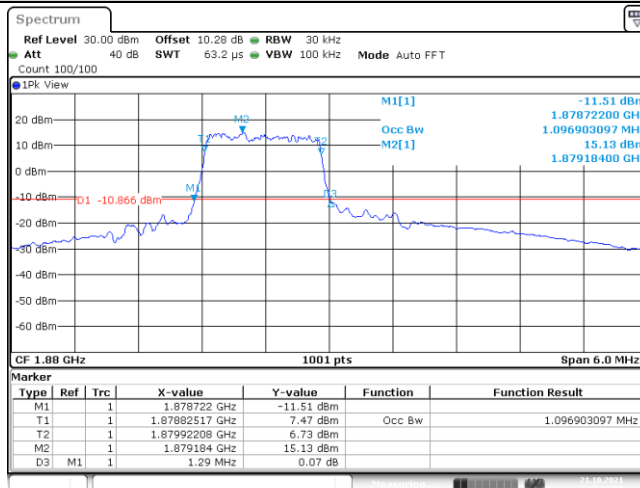
Date: 21.OCT.2021 21:50:36

Band2-1.4MHz-16QAM-18900-6-0-Low-1.091-1.278-PASS



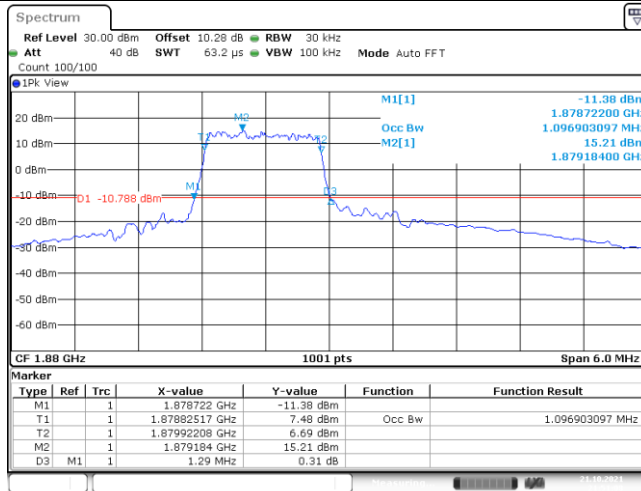
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Band2-3MHz-QPSK-18900-6-0-Low-1.097-1.290-PASS

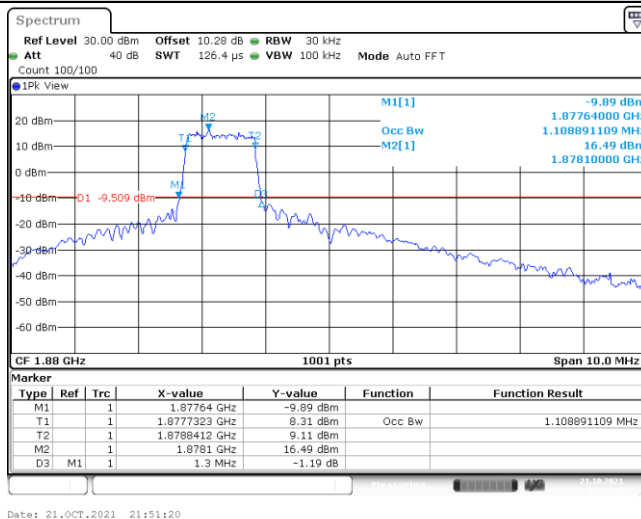


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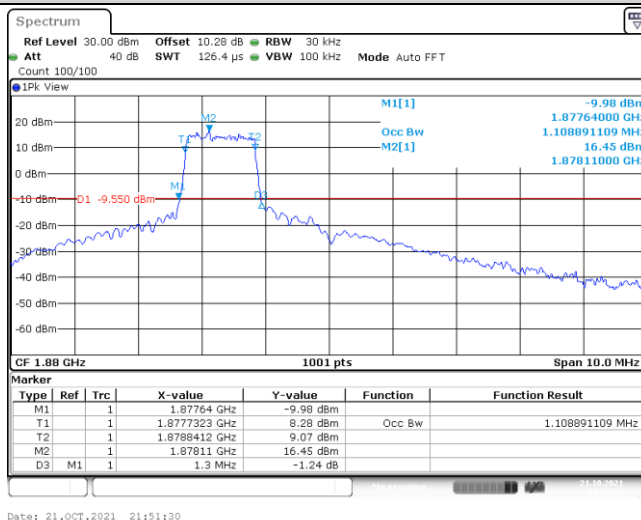
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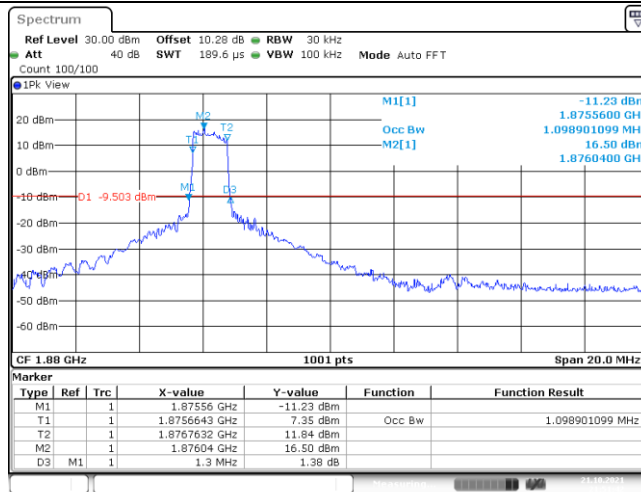
Band2-5MHz-QPSK-18900-6-0-Low-1.109-1.300-PASS



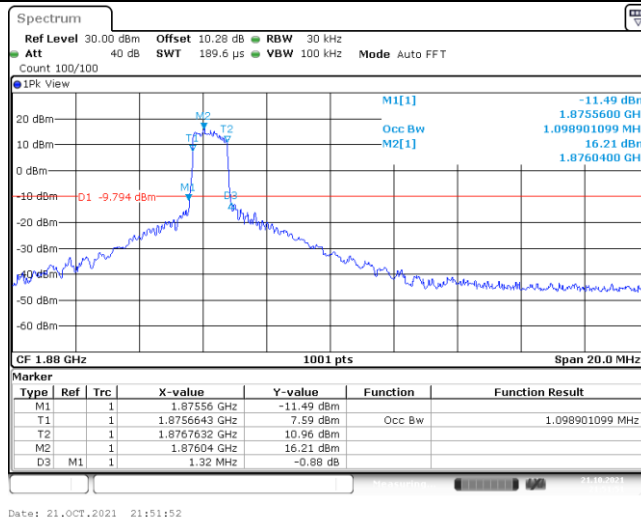
Band2-5MHz-16QAM-18900-6-0-Low-1.109-1.300-PASS



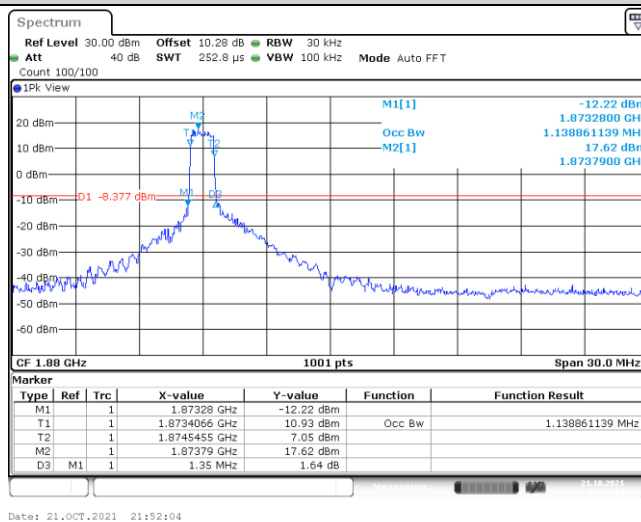
Band2-10MHz-QPSK-18900-6-0-Low-1.099-1.300-PASS



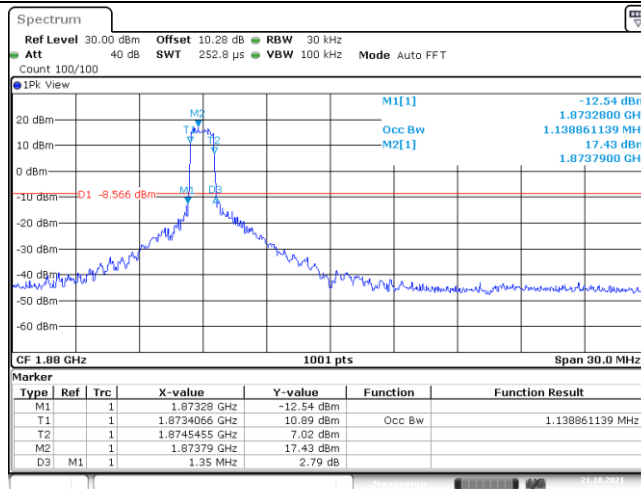
Band2-10MHz-16QAM-18900-6-0-Low-1.099-1.320-PASS



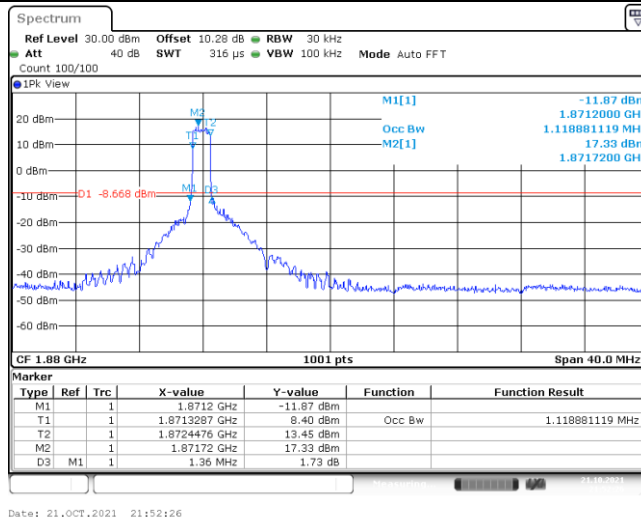
Band2-15MHz-QPSK-18900-6-0-Low-1.139-1.350-PASS



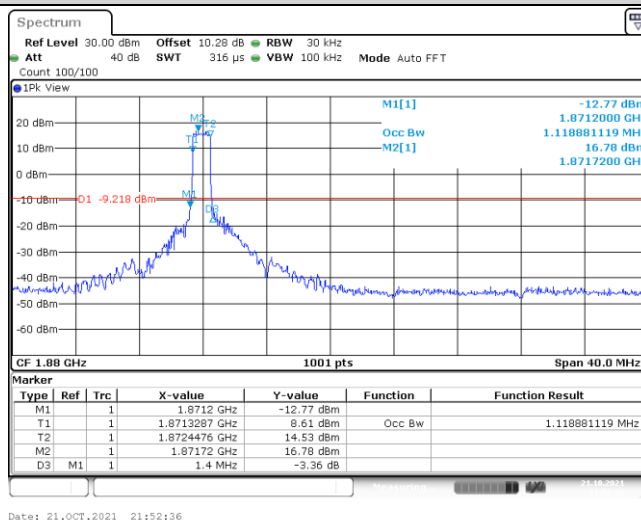
Band2-15MHz-16QAM-18900-6-0-Low-1.139-1.350-PASS



Band2-20MHz-QPSK-18900-6-0-Low-1.119-1.360-PASS



Band2-20MHz-16QAM-18900-6-0-Low-1.119-1.400-PASS

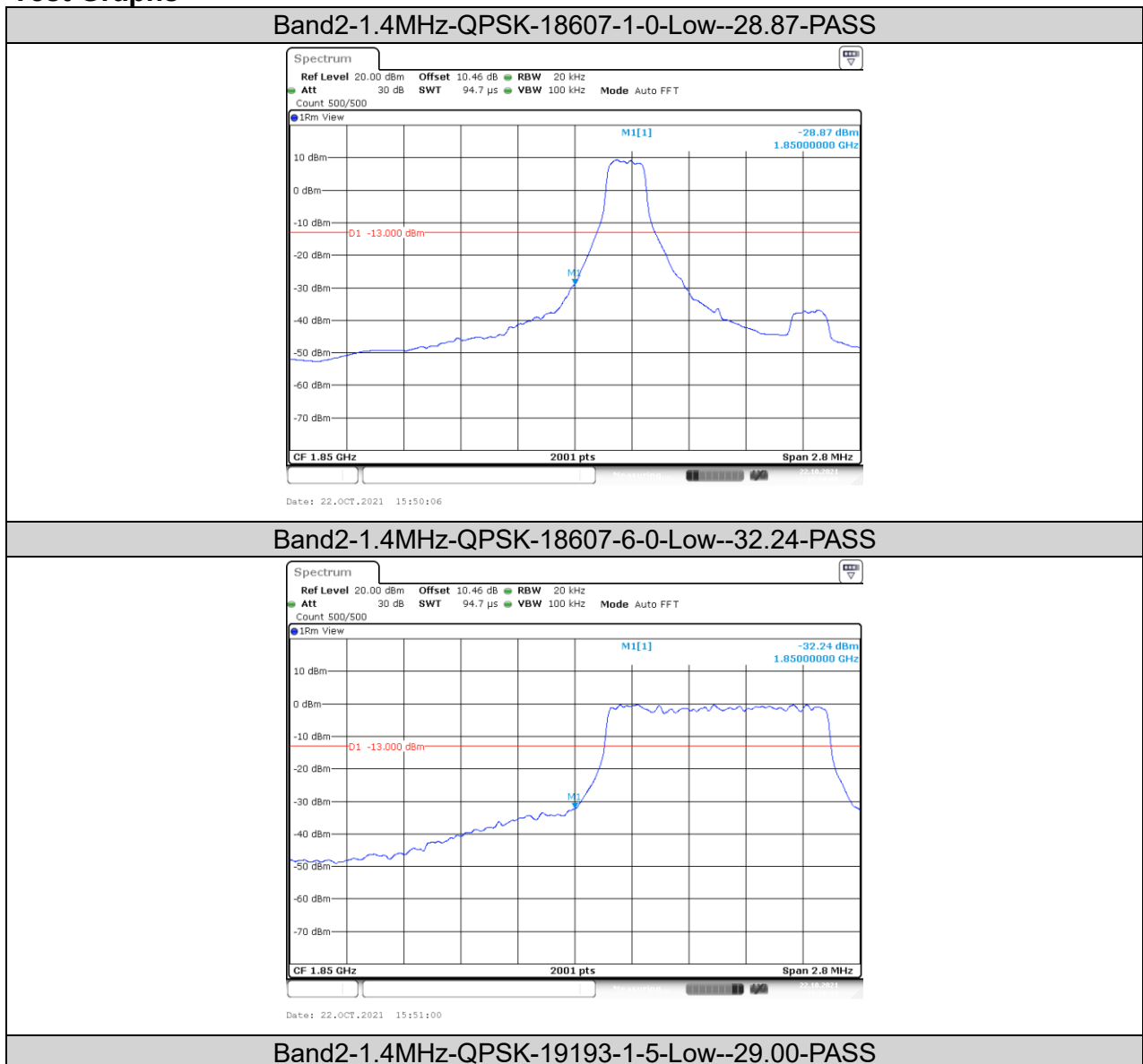


APPENDIX A.4: BAND EDGE FOR M1

Test Result

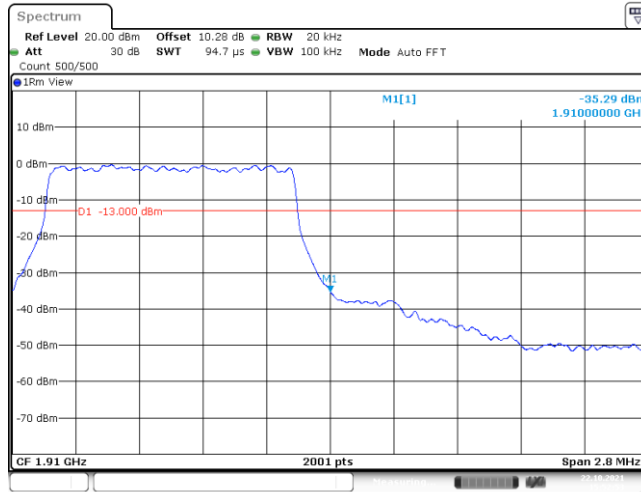
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	-28.87	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	-32.24	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	-29.00	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	-35.29	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	-29.97	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	-31.69	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	-29.85	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	-34.26	PASS

Test Graphs

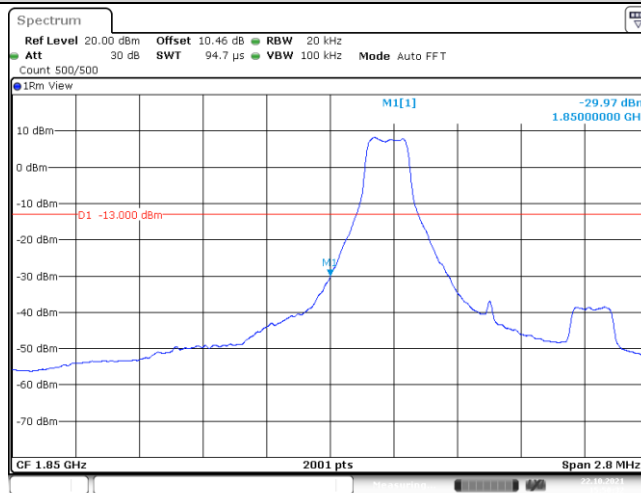




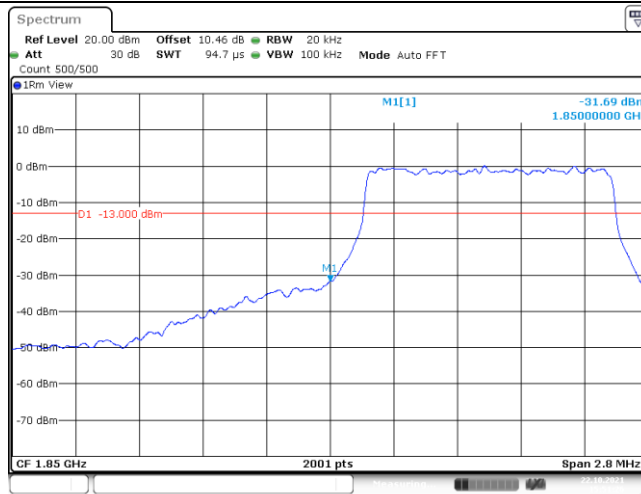
Band2-1.4MHz-QPSK-19193-6-0-Low--35.29-PASS



Band2-1.4MHz-16QAM-18607-1-0-Low--29.97-PASS

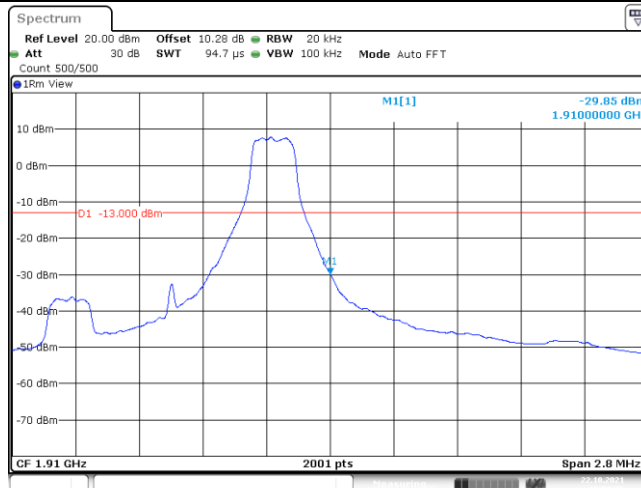


Band2-1.4MHz-16QAM-18607-6-0-Low--31.69-PASS



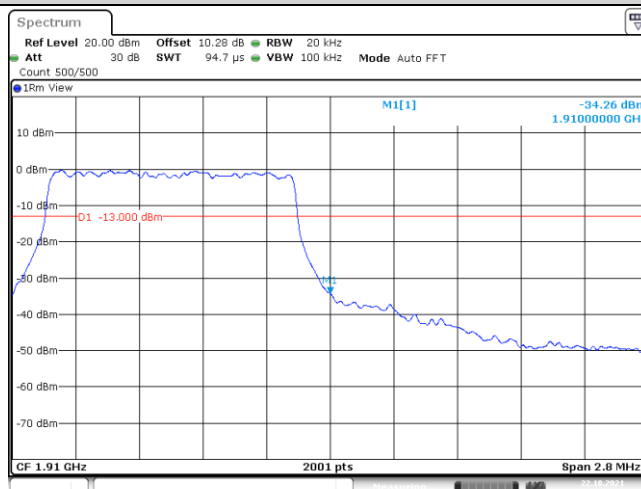
Date: 22.OCT.2021 15:51:27

Band2-1.4MHz-16QAM-19193-1-5-Low--29.85-PASS



Date: 22.OCT.2021 15:52:26

Band2-1.4MHz-16QAM-19193-6-0-Low--34.26-PASS



Date: 22.OCT.2021 15:53:20

APPENDIX A.5: CONDUCTED SPURIOUS EMISSION FOR M1

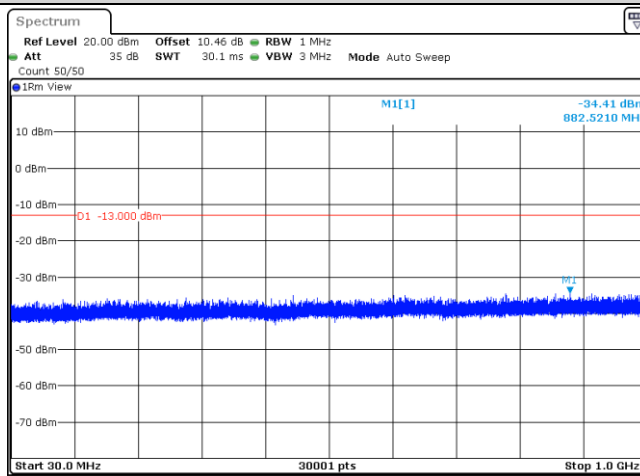
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	30	1000	-34.41	PASS
Band2	1.4MHz	18607	QPSK	1	0	Low	1000	5000	-34.51	PASS
Band2	1.4MHz	18607	QPSK	1	0	Low	5000	12000	-47.34	PASS
Band2	1.4MHz	18607	QPSK	1	0	Low	12000	26500	-48.5	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	30	1000	-34.51	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	1000	5000	-37.25	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	5000	12000	-51.64	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	12000	26500	-48.61	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	30	1000	-34.8	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	1000	5000	-34.19	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	5000	12000	-48.53	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	12000	26500	-48.85	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	30	1000	-34.45	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	1000	5000	-37.36	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	5000	12000	-52.47	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	12000	26500	-48.87	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	30	1000	-34.68	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	1000	5000	-33.17	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	5000	12000	-49.7	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	12000	26500	-48.91	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	30	1000	-34.1	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	1000	5000	-36.01	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	5000	12000	-52.53	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	12000	26500	-48.86	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	30	1000	-33.39	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	1000	5000	-35.09	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	5000	12000	-47.08	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	12000	26500	-48.54	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	30	1000	-32.93	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	1000	5000	-37.39	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	5000	12000	-51.12	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	12000	26500	-48.67	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	30	1000	-34.08	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	1000	5000	-34.71	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	5000	12000	-49.43	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	12000	26500	-48.7	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	30	1000	-34.02	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	1000	5000	-37.3	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	5000	12000	-52.56	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	12000	26500	-48.89	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	30	1000	-34.73	PASS

Band2	1.4MHz	19193	16QAM	1	5	Low	1000	5000	-33.9	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	5000	12000	-50.47	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	12000	26500	-48.83	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	30	1000	-34.02	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	1000	5000	-35.97	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	5000	12000	-52.65	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	12000	26500	-48.77	PASS

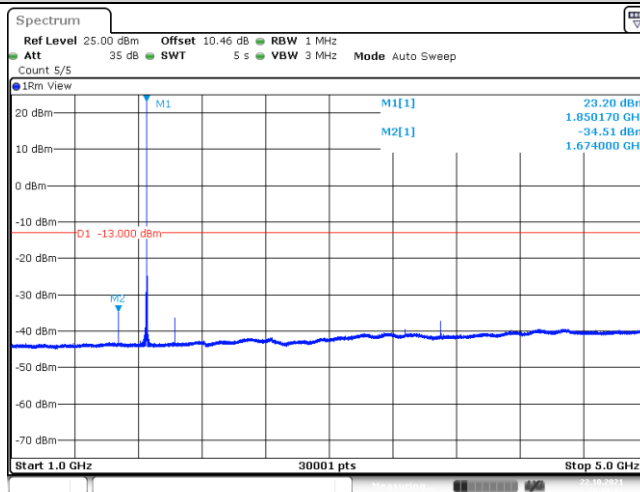
Test Graphs

Band2-1.4MHz-QPSK-18607-1-0-Low-30-1000--34.41-PASS



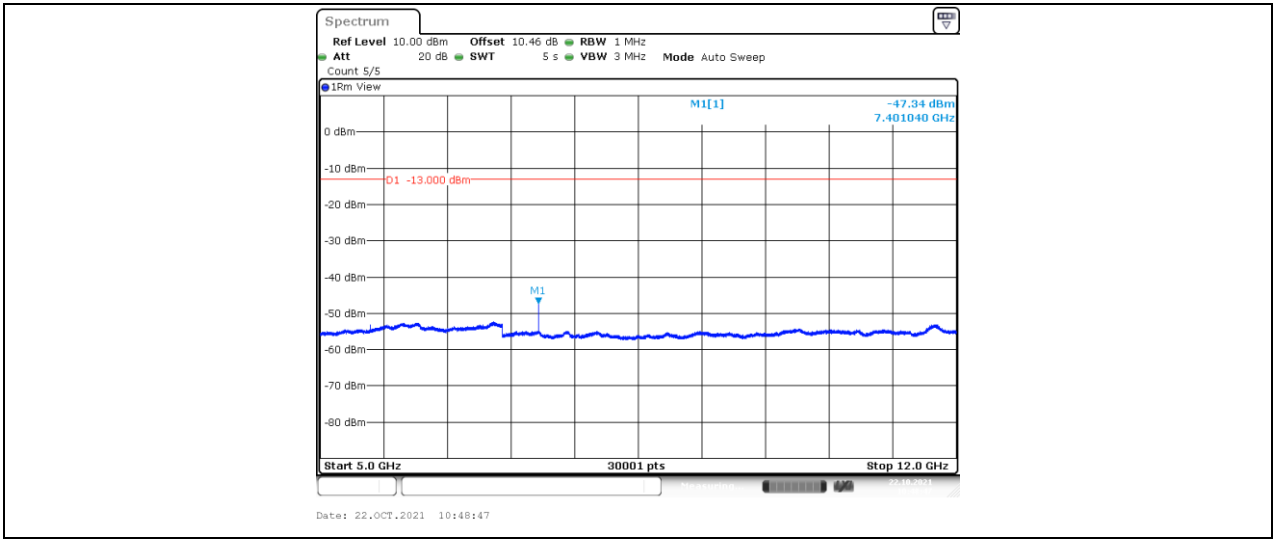
Date: 22.OCT.2021 10:47:37

Band2-1.4MHz-QPSK-18607-1-0-Low-1000-5000--34.51-PASS

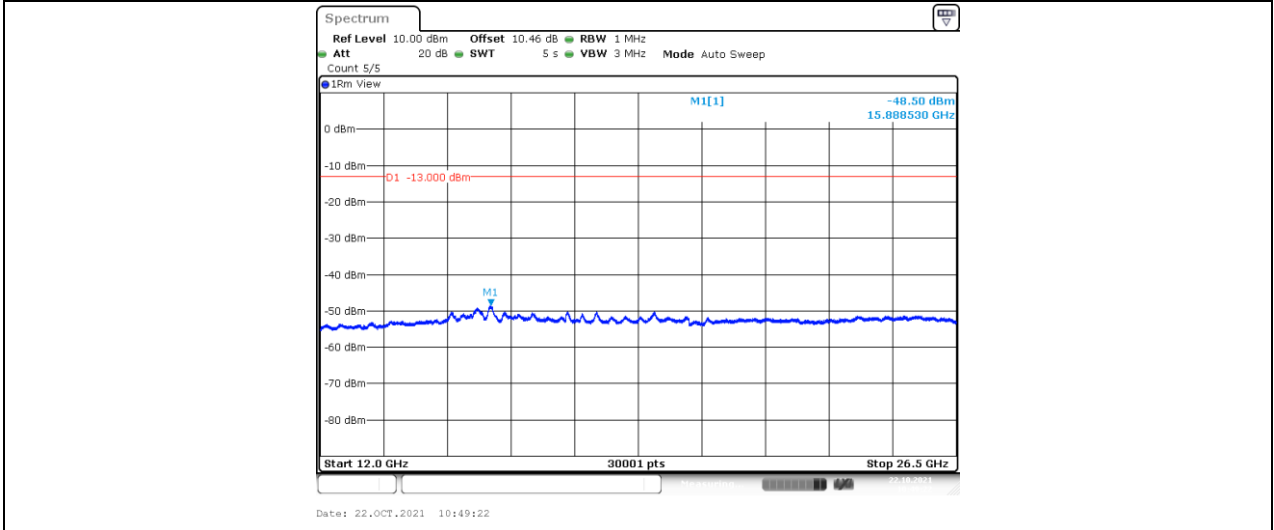


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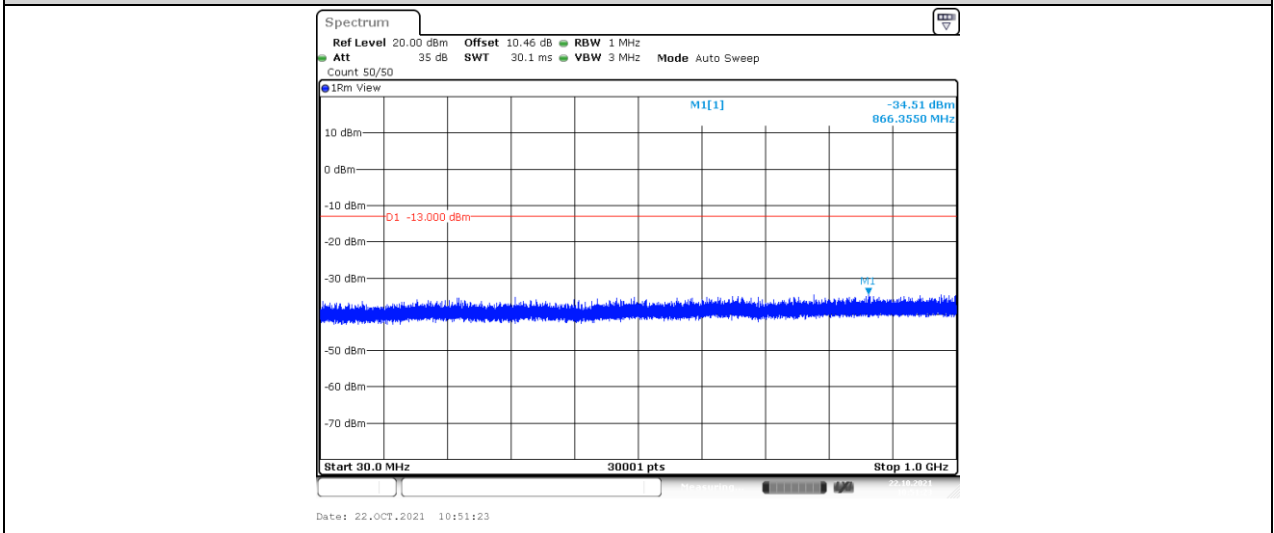
Band2-1.4MHz-QPSK-18607-1-0-Low-5000-12000--47.34-PASS



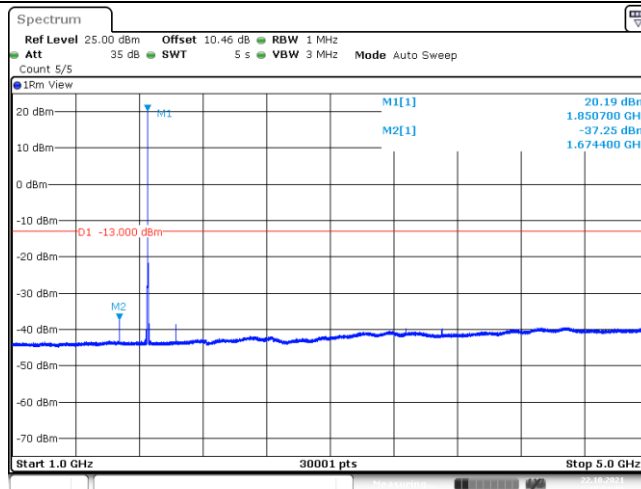
Band2-1.4MHz-QPSK-18607-1-0-Low-12000-26500--48.5-PASS



Band2-1.4MHz-QPSK-18607-6-0-Low-30-1000--34.51-PASS

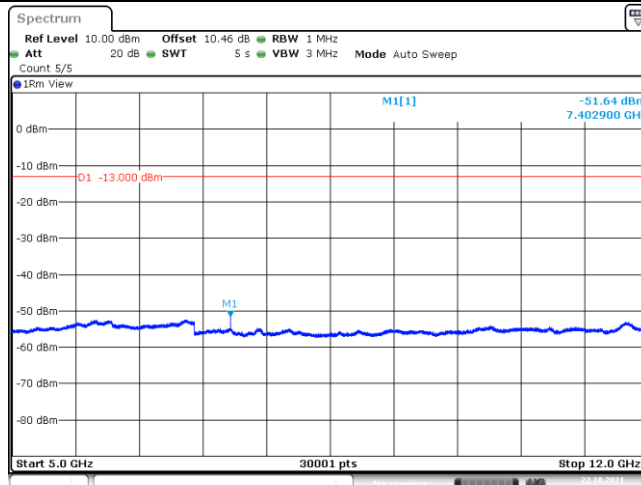


Band2-1.4MHz-QPSK-18607-6-0-Low-1000-5000--37.25-PASS



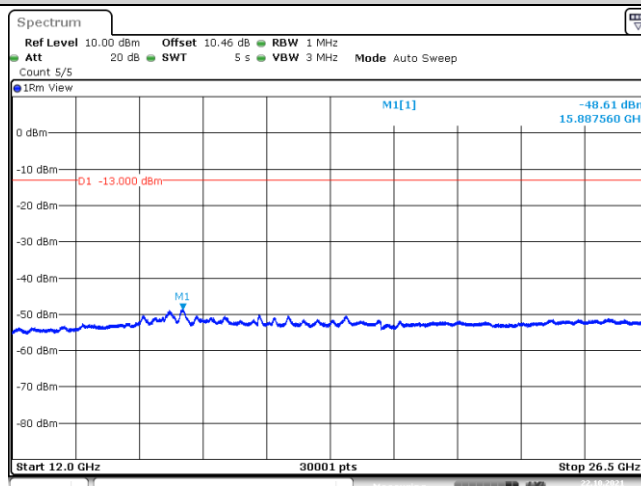
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Band2-1.4MHz-QPSK-18607-6-0-Low-5000-12000--51.64-PASS



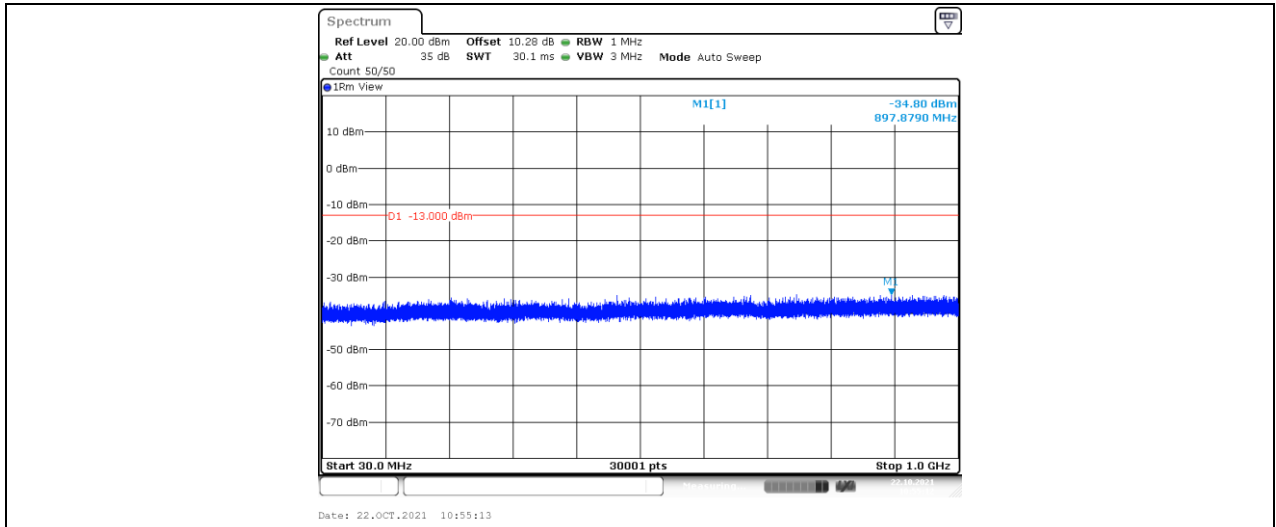
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Band2-1.4MHz-QPSK-18607-6-0-Low-12000-26500--48.61-PASS

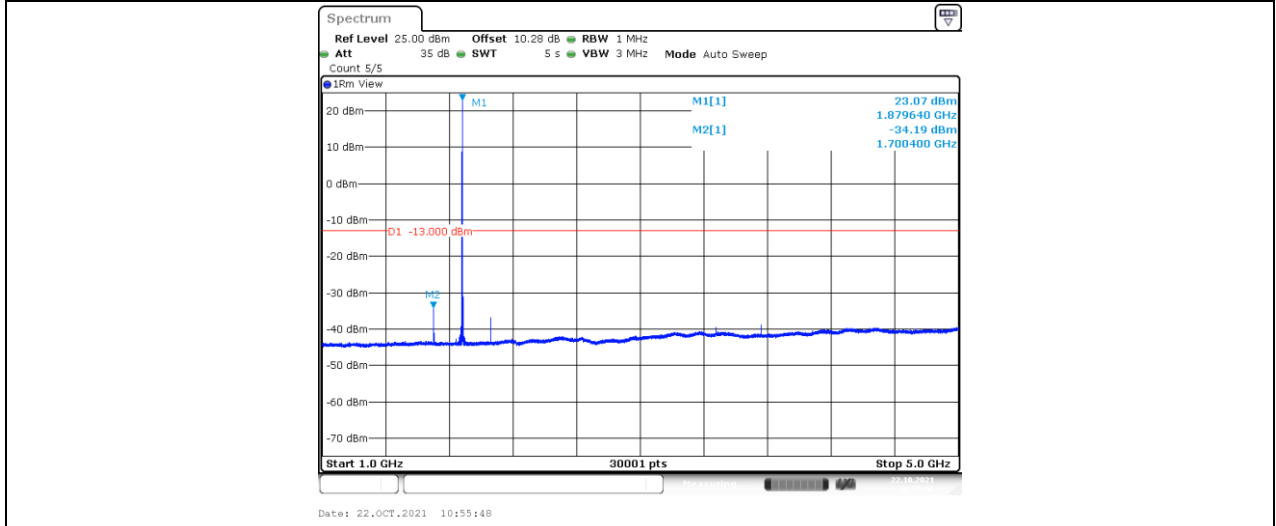


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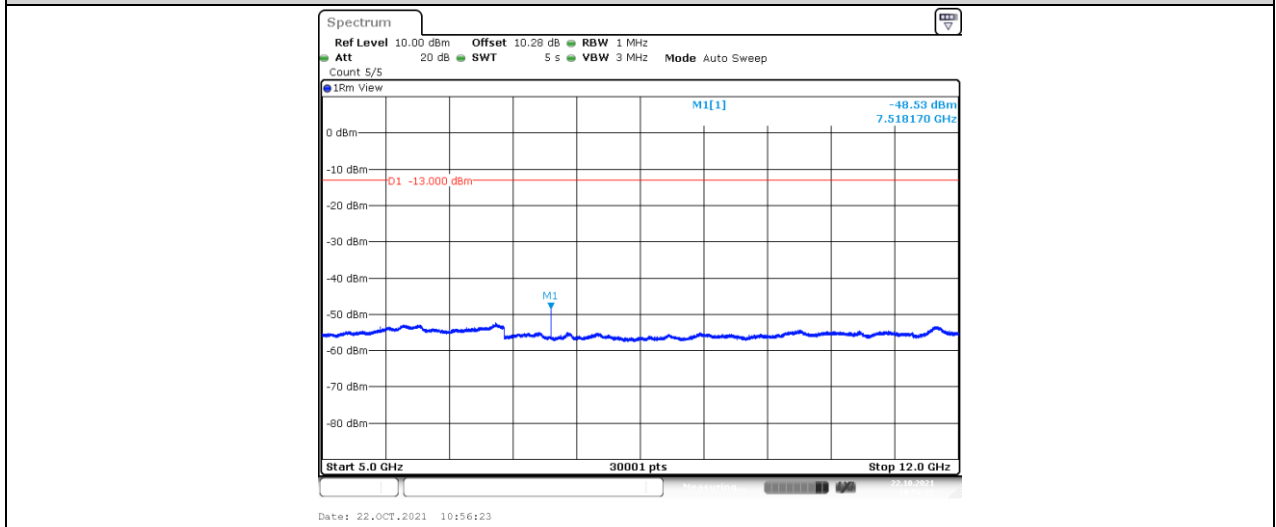
Band2-1.4MHz-QPSK-18900-1-0-Low-30-1000--34.8-PASS



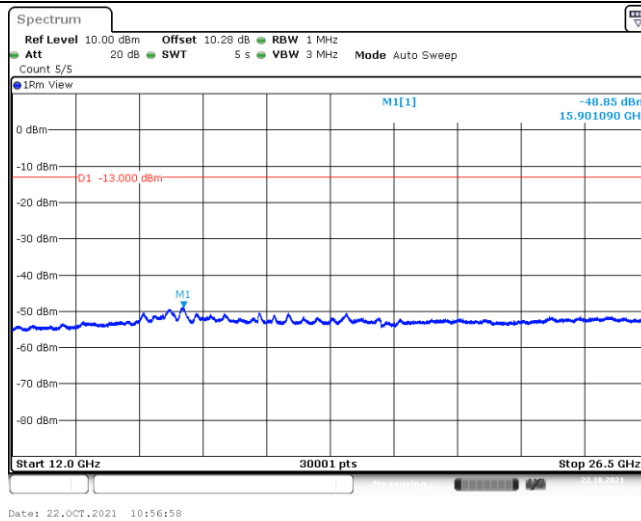
Band2-1.4MHz-QPSK-18900-1-0-Low-1000-5000--34.19-PASS



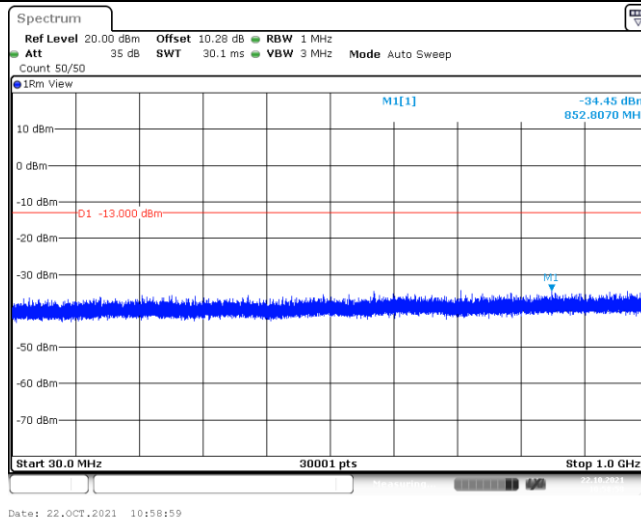
Band2-1.4MHz-QPSK-18900-1-0-Low-5000-12000--48.53-PASS



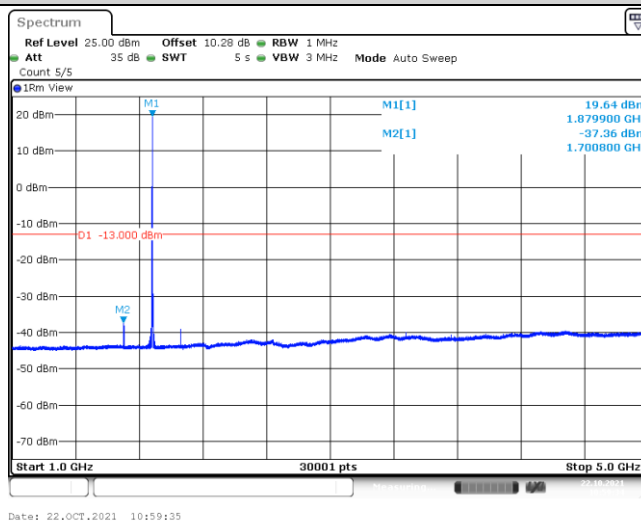
Band2-1.4MHz-QPSK-18900-1-0-Low-12000-26500--48.85-PASS



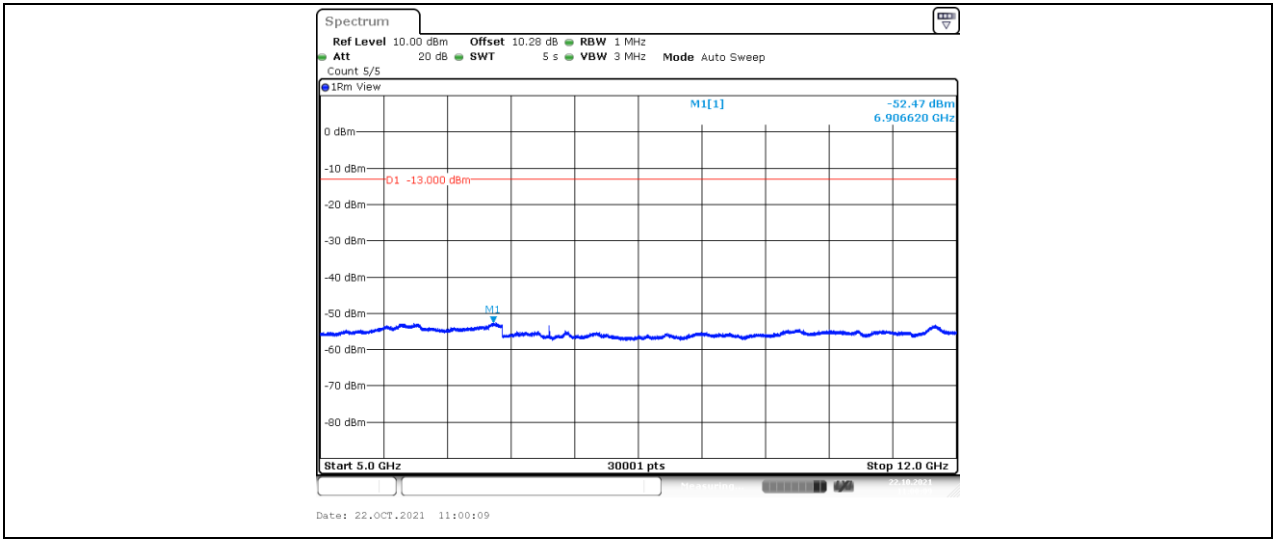
Band2-1.4MHz-QPSK-18900-6-0-Low-30-1000--34.45-PASS



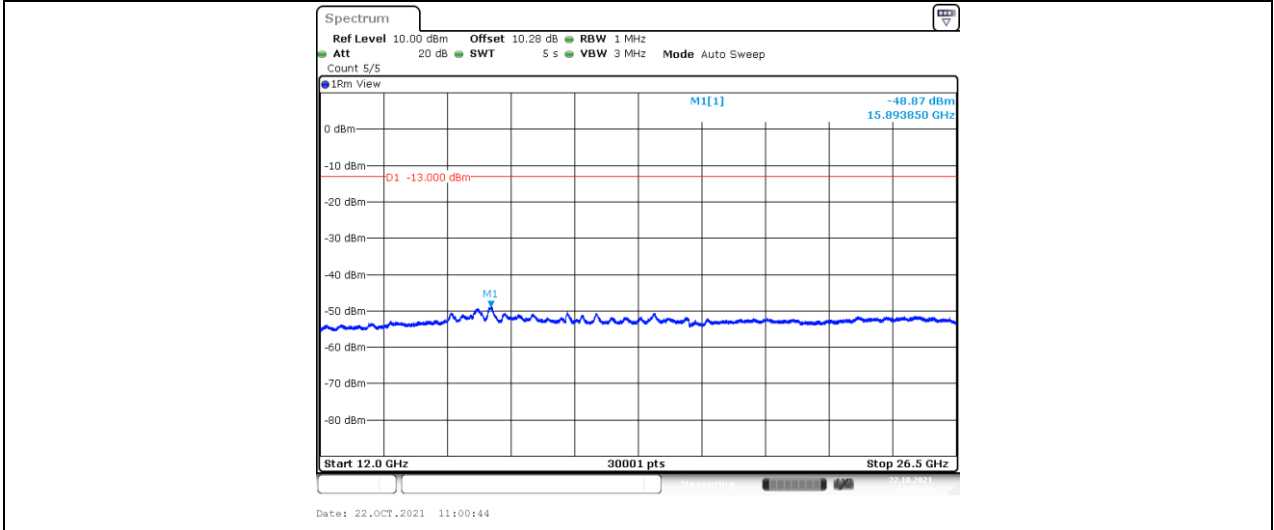
Band2-1.4MHz-QPSK-18900-6-0-Low-1000-5000--37.36-PASS



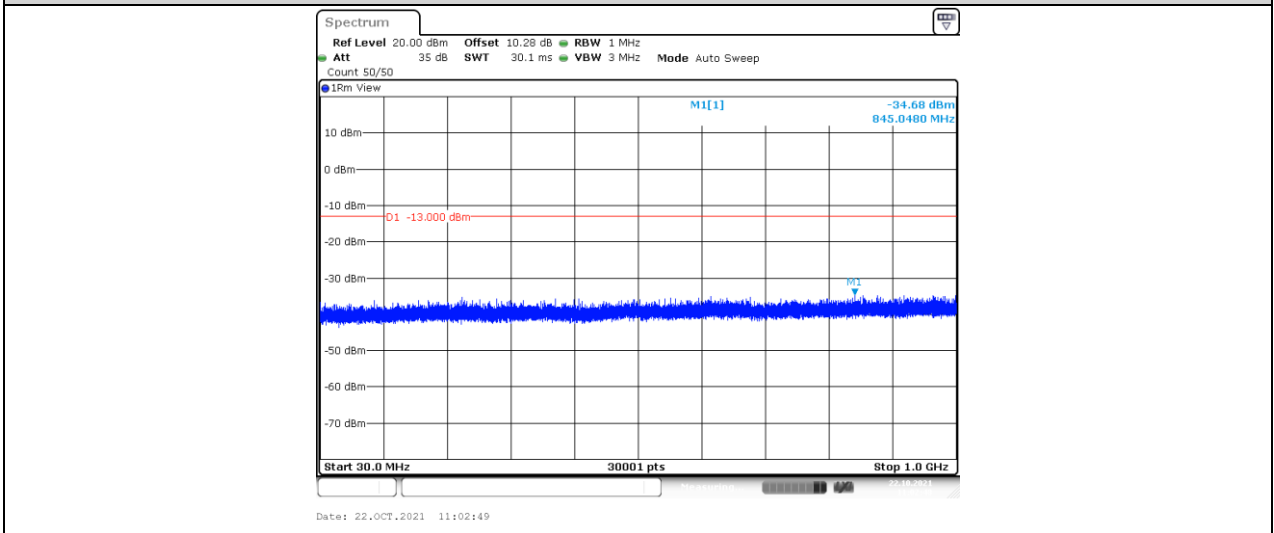
Band2-1.4MHz-QPSK-18900-6-0-Low-5000-12000--52.47-PASS



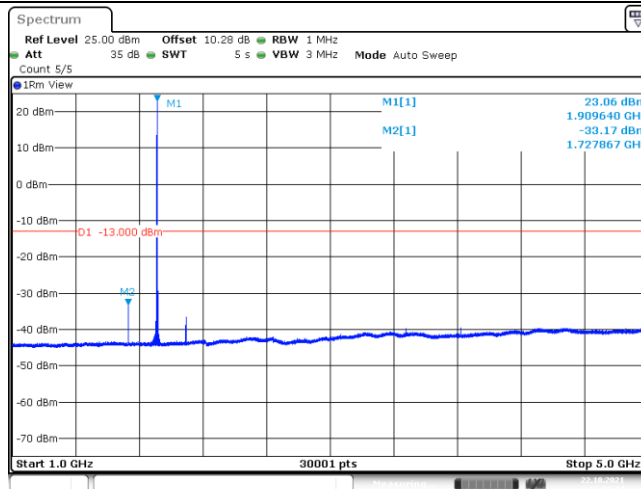
Band2-1.4MHz-QPSK-18900-6-0-Low-12000-26500--48.87-PASS



Band2-1.4MHz-QPSK-19193-1-5-Low-30-1000--34.68-PASS

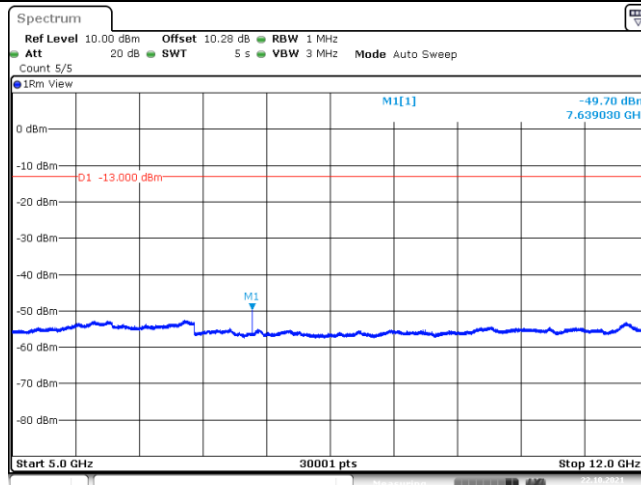


Band2-1.4MHz-QPSK-19193-1-5-Low-1000-5000--33.17-PASS



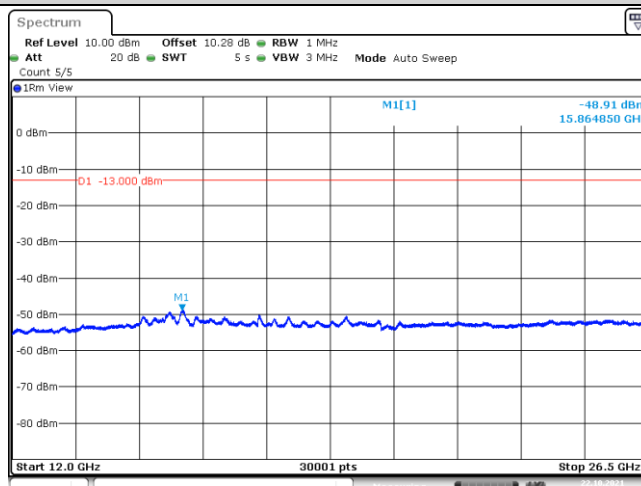
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Band2-1.4MHz-QPSK-19193-1-5-Low-5000-12000--49.7-PASS



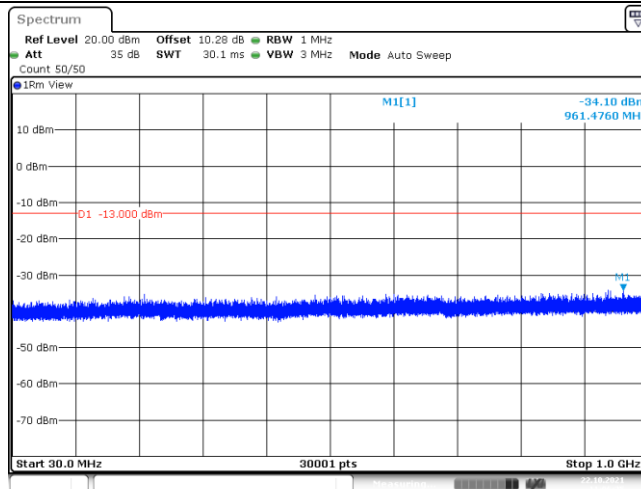
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Band2-1.4MHz-QPSK-19193-1-5-Low-12000-26500--48.91-PASS



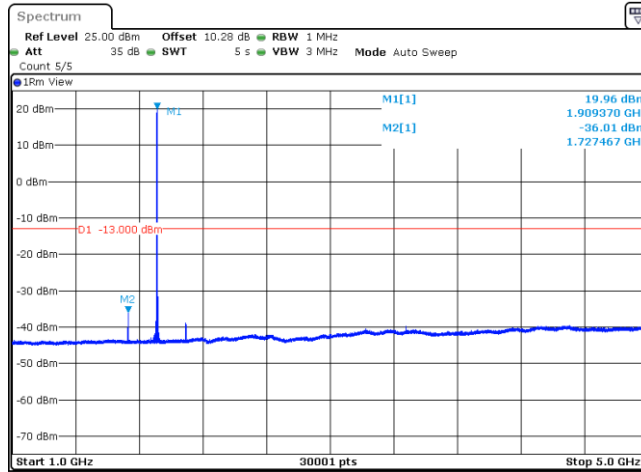
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Band2-1.4MHz-QPSK-19193-6-0-Low-30-1000--34.1-PASS



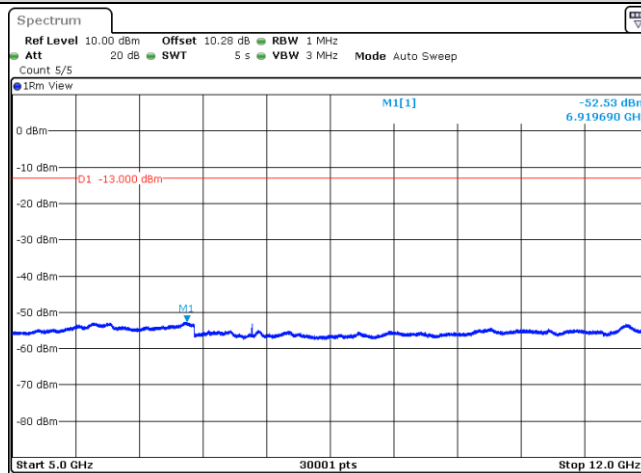
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Band2-1.4MHz-QPSK-19193-6-0-Low-1000-5000--36.01-PASS



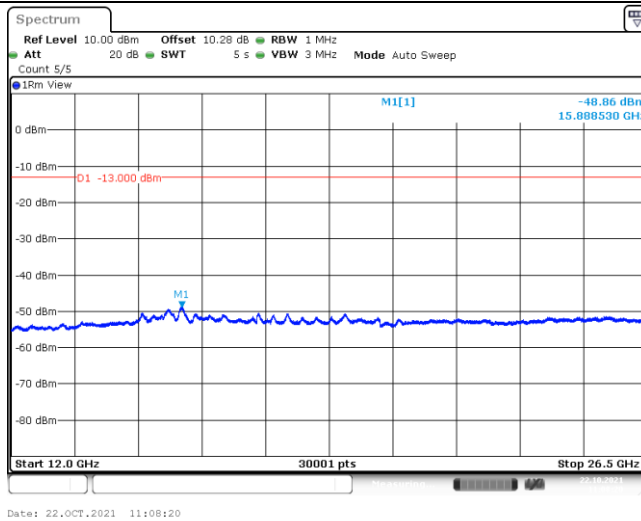
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Band2-1.4MHz-QPSK-19193-6-0-Low-5000-12000--52.53-PASS

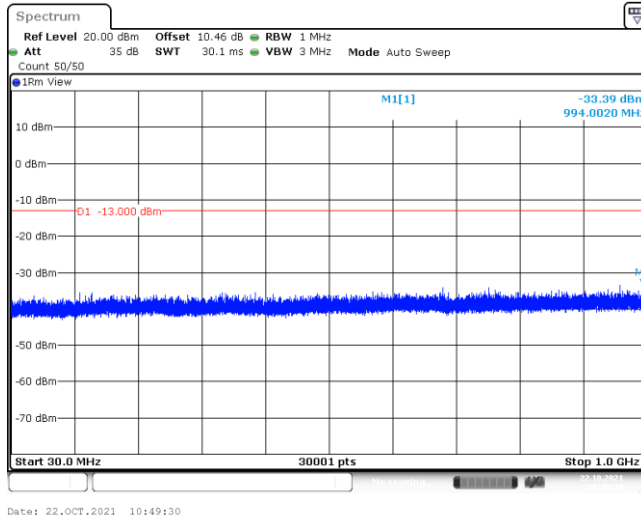


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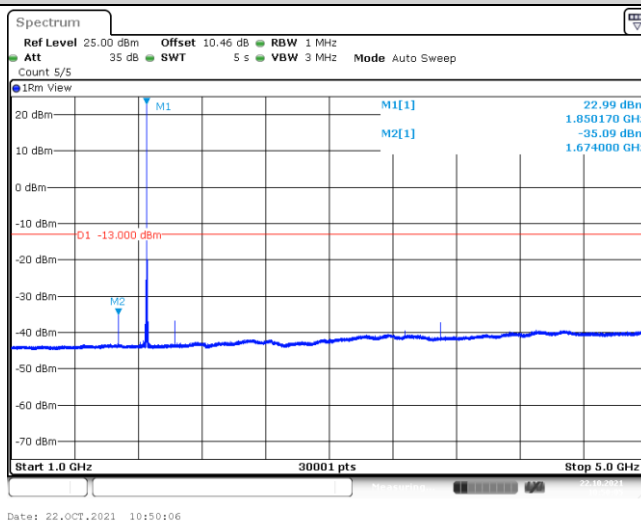
Band2-1.4MHz-QPSK-19193-6-0-Low-12000-26500--48.86-PASS



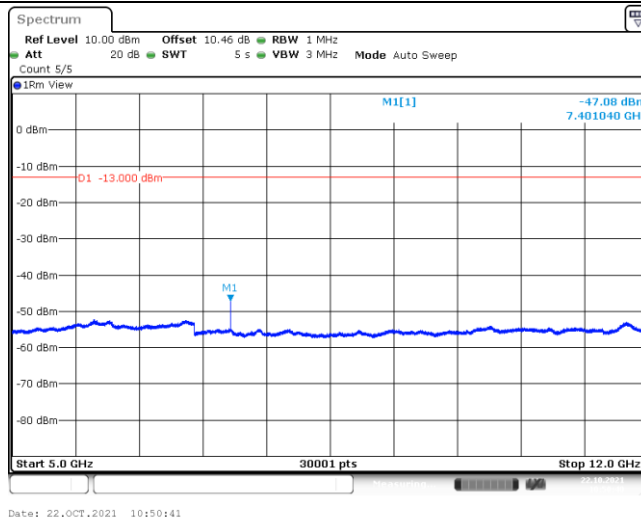
Band2-1.4MHz-16QAM-18607-1-0-Low-30-1000--33.39-PASS



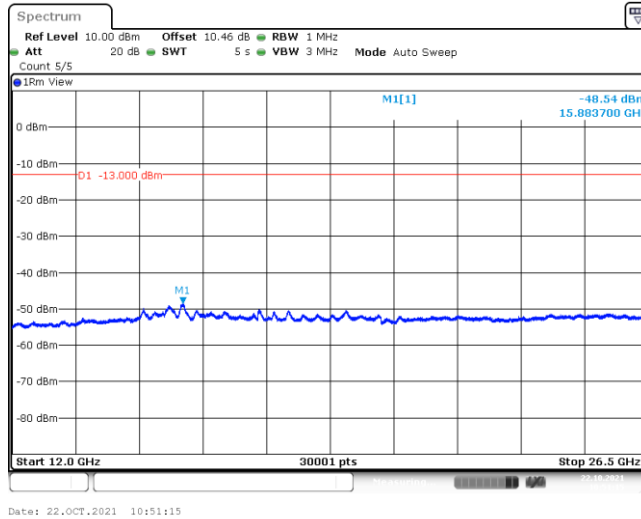
Band2-1.4MHz-16QAM-18607-1-0-Low-1000-5000--35.09-PASS



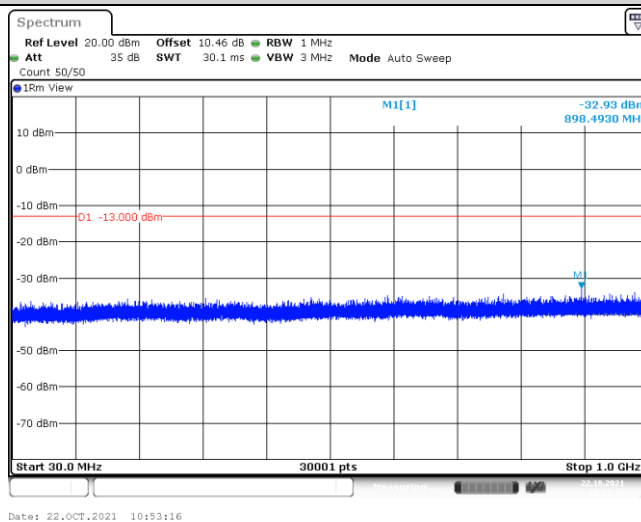
Band2-1.4MHz-16QAM-18607-1-0-Low-5000-12000--47.08-PASS



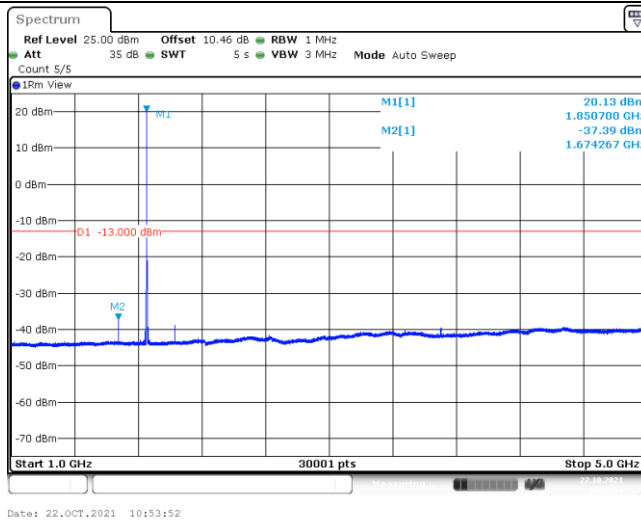
Band2-1.4MHz-16QAM-18607-1-0-Low-12000-26500--48.54-PASS



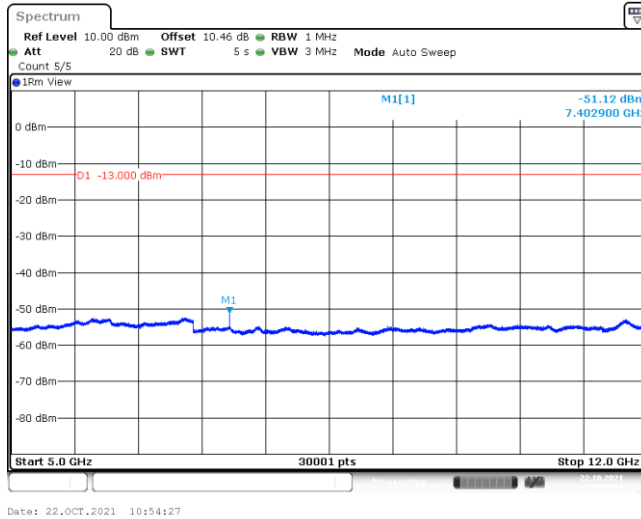
Band2-1.4MHz-16QAM-18607-6-0-Low-30-1000--32.93-PASS



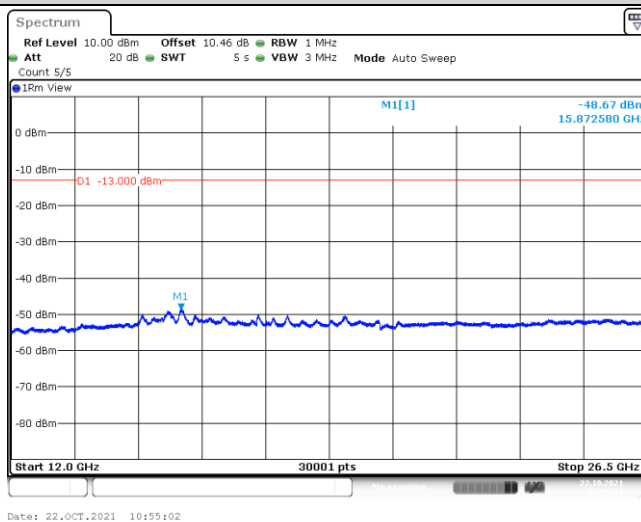
Band2-1.4MHz-16QAM-18607-6-0-Low-1000-5000--37.39-PASS



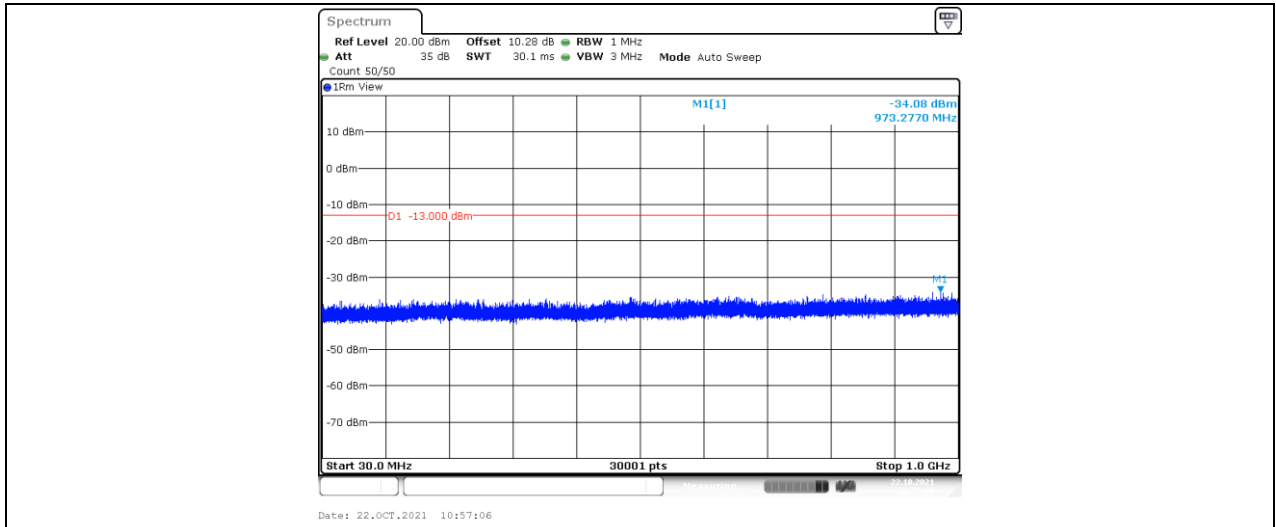
Band2-1.4MHz-16QAM-18607-6-0-Low-5000-12000--51.12-PASS



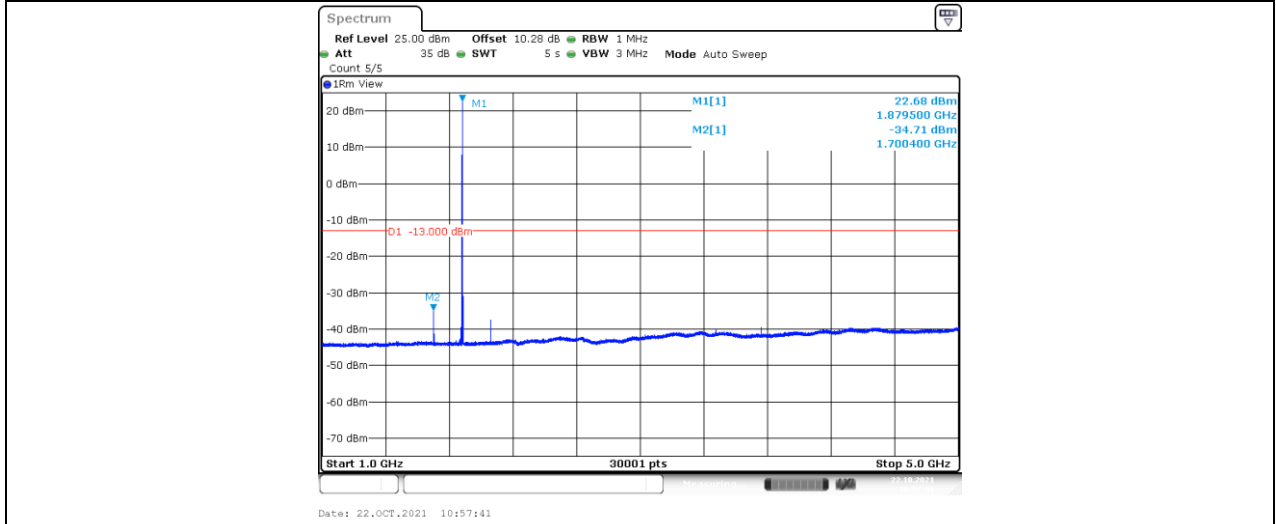
Band2-1.4MHz-16QAM-18607-6-0-Low-12000-26500--48.67-PASS



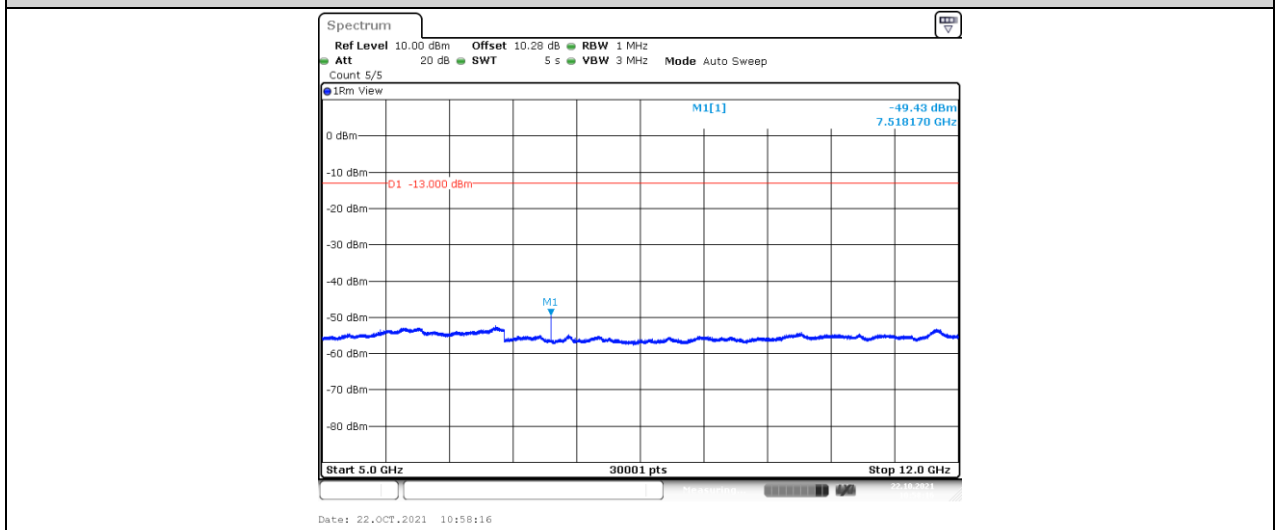
Band2-1.4MHz-16QAM-18900-1-0-Low-30-1000--34.08-PASS



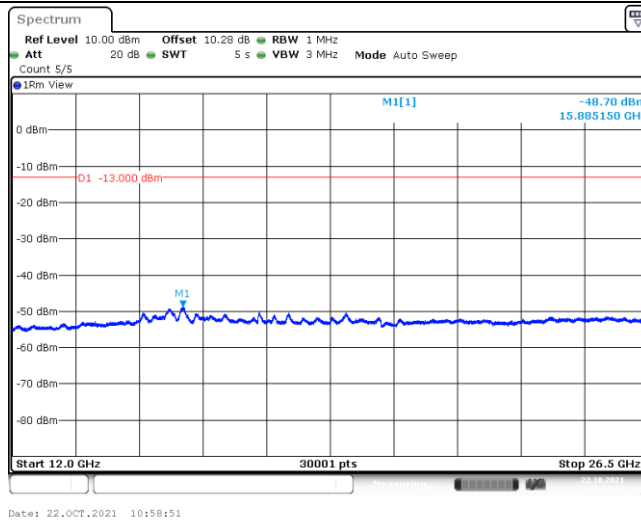
Band2-1.4MHz-16QAM-18900-1-0-Low-1000-5000--34.71-PASS



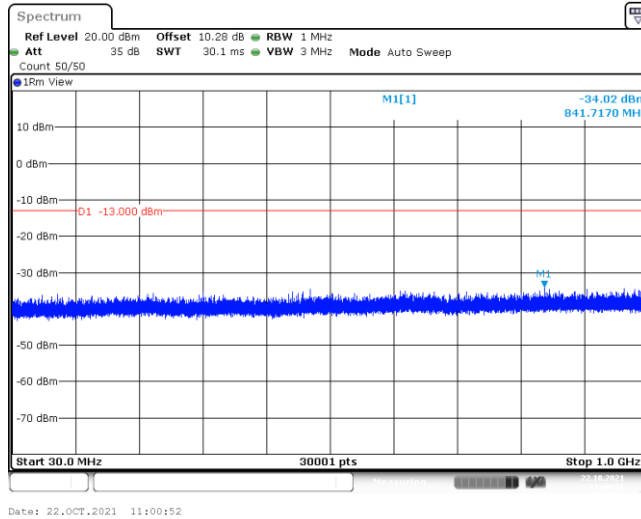
Band2-1.4MHz-16QAM-18900-1-0-Low-5000-12000--49.43-PASS



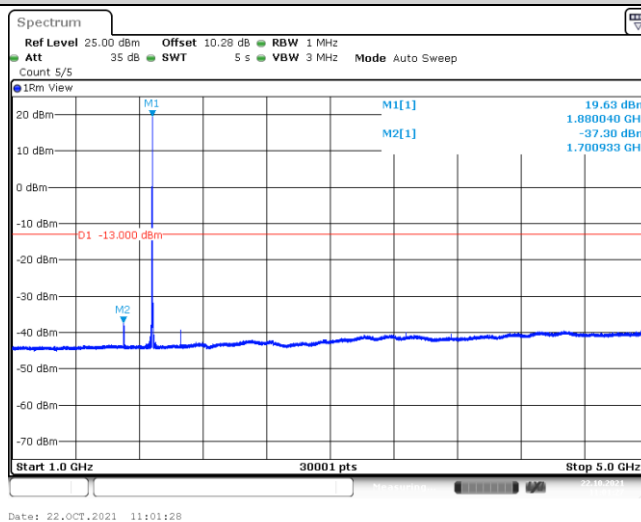
Band2-1.4MHz-16QAM-18900-1-0-Low-12000-26500--48.7-PASS



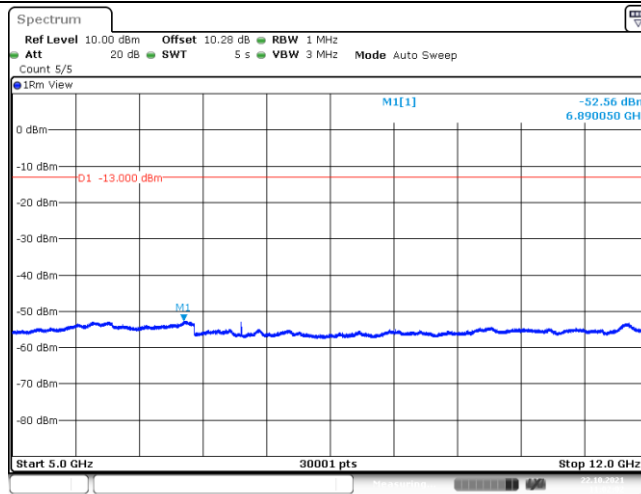
Band2-1.4MHz-16QAM-18900-6-0-Low-30-1000--34.02-PASS



Band2-1.4MHz-16QAM-18900-6-0-Low-1000-5000--37.3-PASS

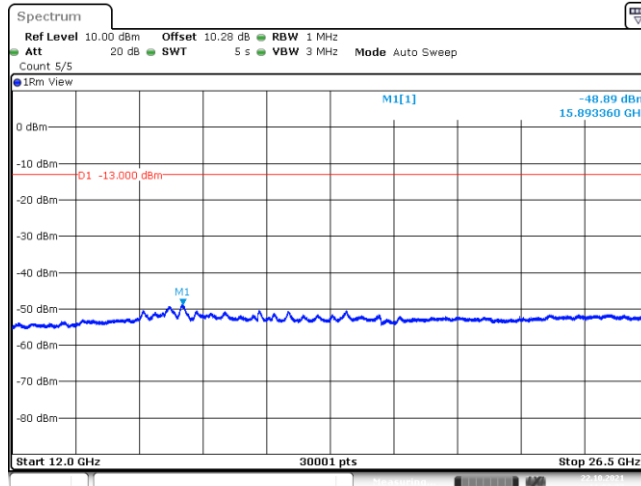


Band2-1.4MHz-16QAM-18900-6-0-Low-5000-12000--52.56-PASS



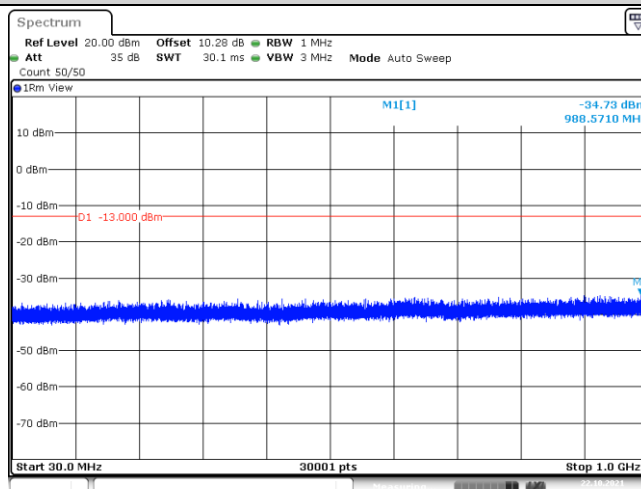
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Band2-1.4MHz-16QAM-18900-6-0-Low-12000-26500--48.89-PASS



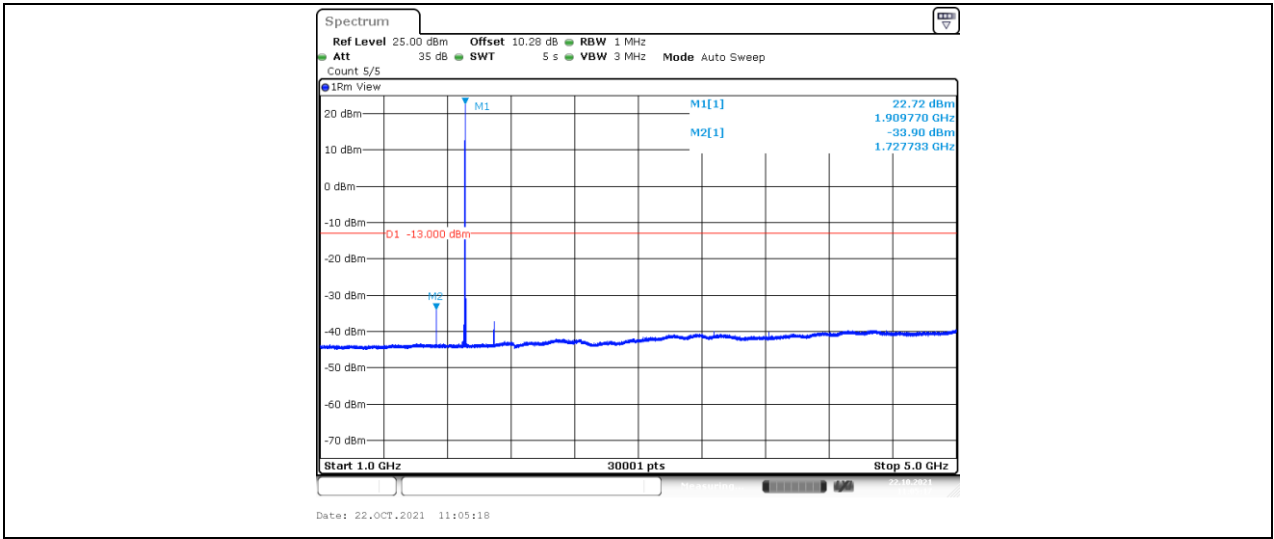
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Band2-1.4MHz-16QAM-19193-1-5-Low-30-1000--34.73-PASS

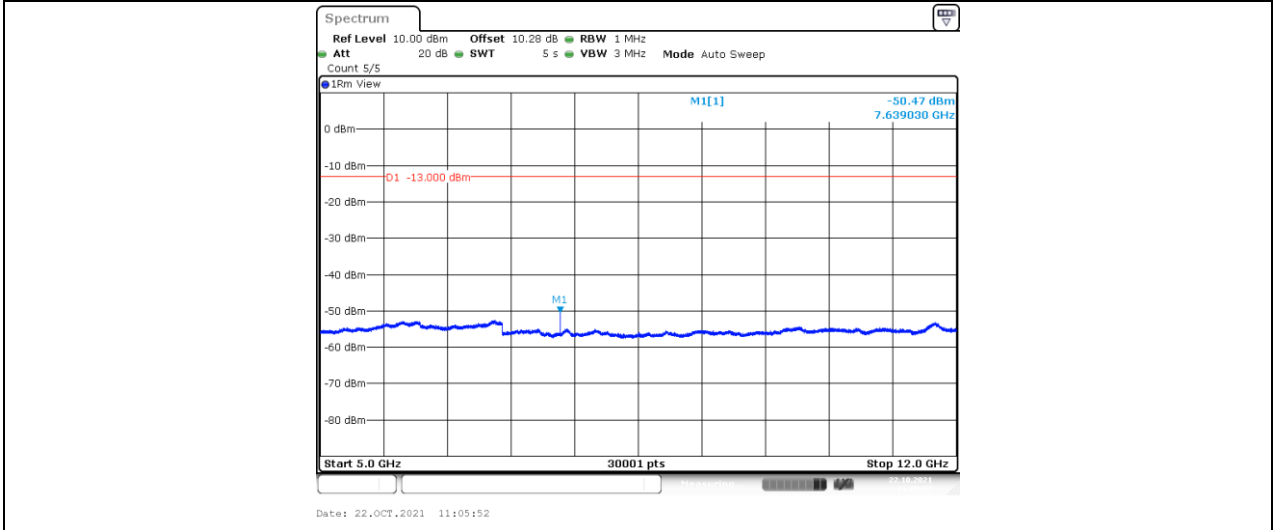


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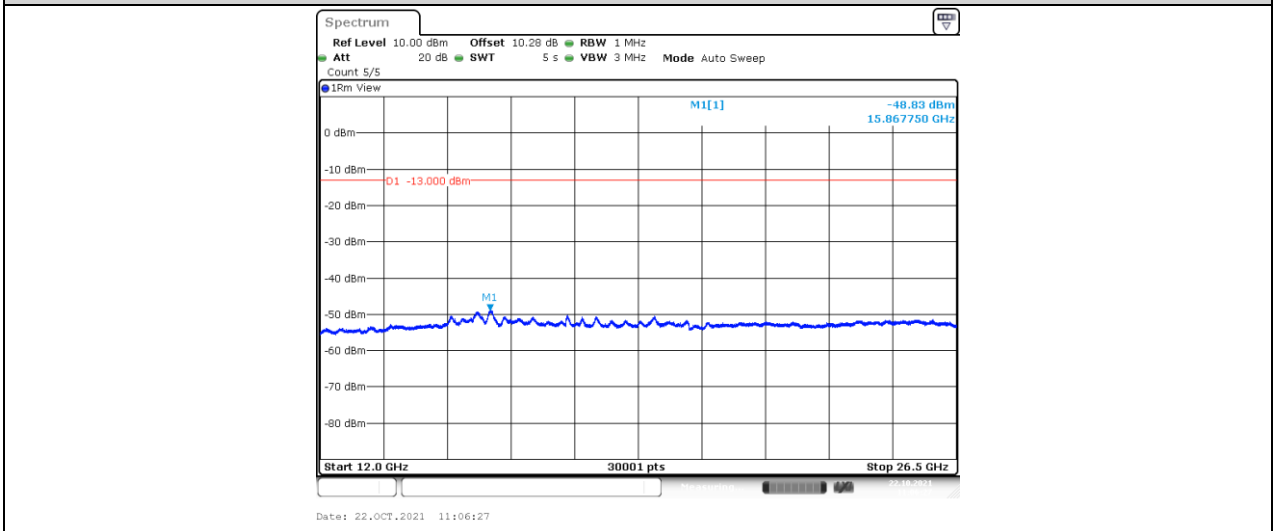
Band2-1.4MHz-16QAM-19193-1-5-Low-1000-5000--33.9-PASS



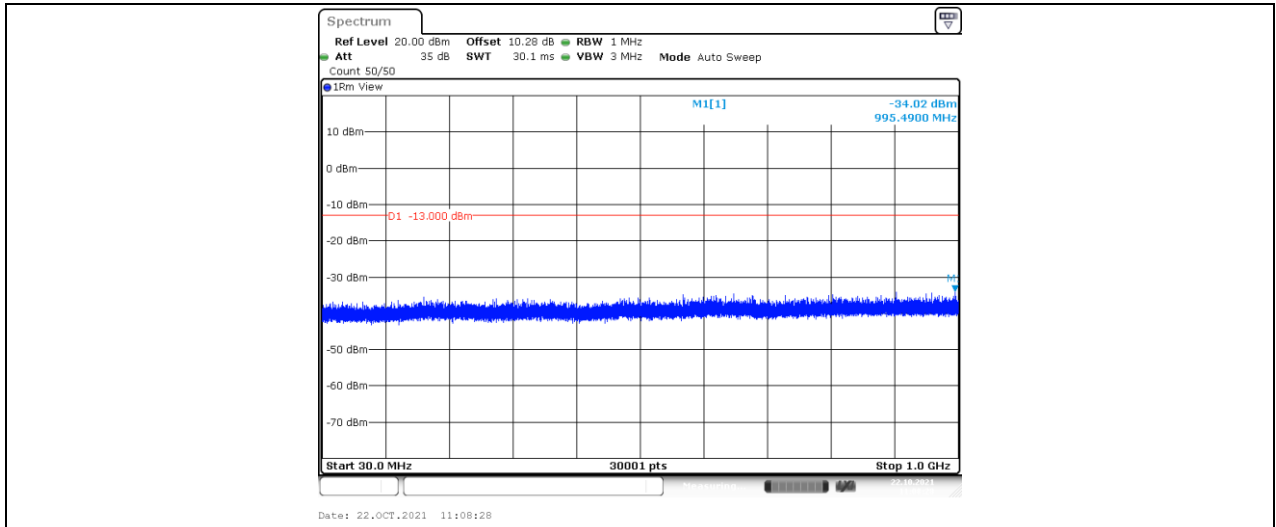
Band2-1.4MHz-16QAM-19193-1-5-Low-5000-12000--50.47-PASS



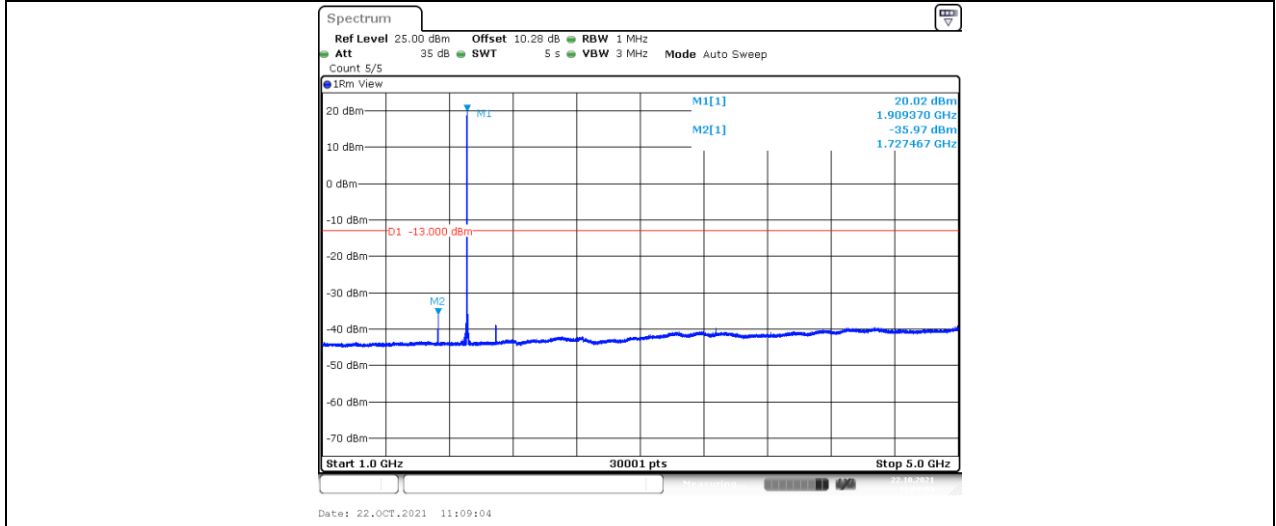
Band2-1.4MHz-16QAM-19193-1-5-Low-12000-26500--48.83-PASS



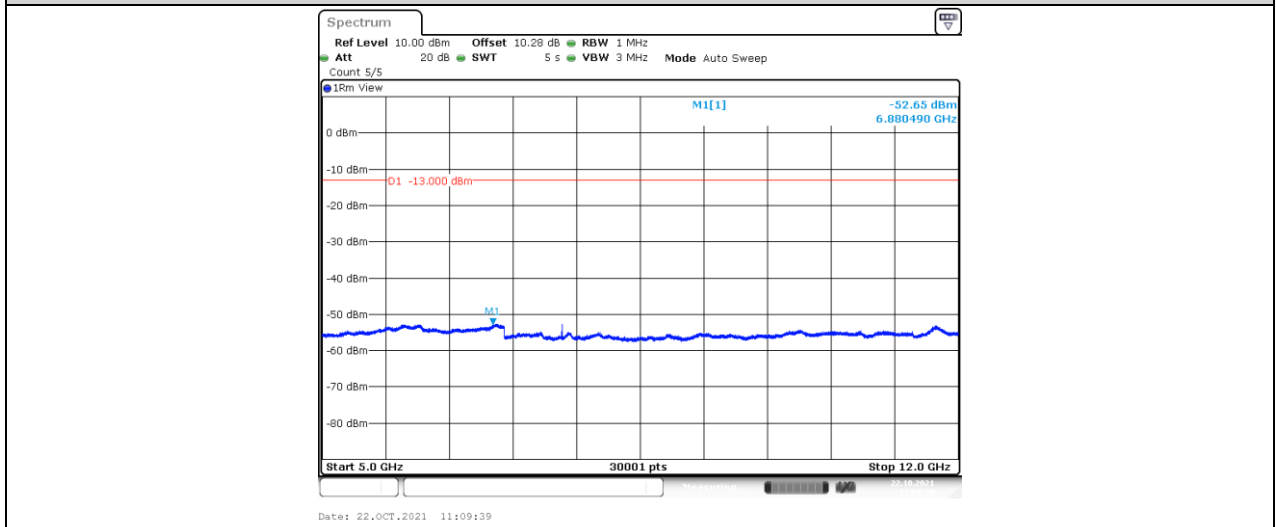
Band2-1.4MHz-16QAM-19193-6-0-Low-30-1000--34.02-PASS



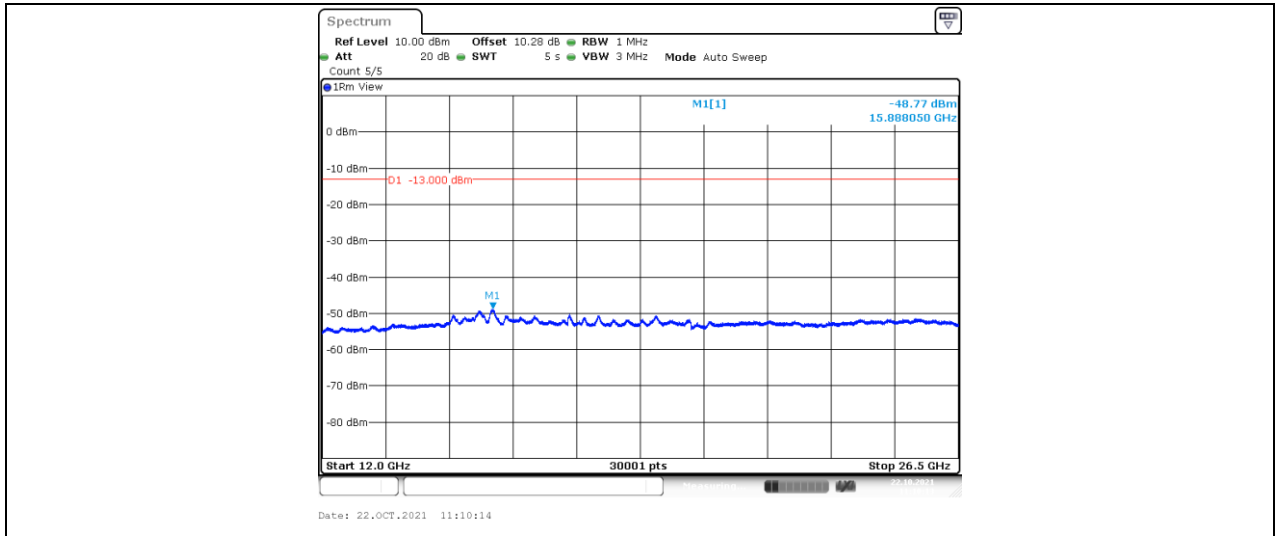
Band2-1.4MHz-16QAM-19193-6-0-Low-1000-5000--35.97-PASS



Band2-1.4MHz-16QAM-19193-6-0-Low-5000-12000--52.65-PASS



Band2-1.4MHz-16QAM-19193-6-0-Low-12000-26500--48.77-PASS



APPENDIX A.6: FREQUENCY STABILITY FOR M1

Test Result

Voltage												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	18900	QPSK	1	0	Low	HV	NT	-6.97	-0.003707	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	LV	NT	8.30	0.004415	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	NT	-8.83	-0.004697	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	HV	NT	-108.08	-0.057489	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	LV	NT	-108.70	-0.057819	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	NT	-110.54	-0.058798	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	85	-8.50	-0.004521	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	-30	-7.58	-0.004032	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	-20	-5.46	-0.002904	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	-10	-8.53	-0.004537	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	0	-7.14	-0.003798	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	10	-8.01	-0.004261	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	20	-9.04	-0.004809	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	30	-6.94	-0.003691	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	40	-7.54	-0.004011	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	50	-5.55	-0.002952	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	60	-8.45	-0.004495	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	70	-8.23	-0.004378	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	-40	-8.77	-0.004665	±2.5	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	NV	80	-7.37	-0.003920	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	85	-111.31	-0.059207	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	-30	-26.32	-0.014000	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	-20	-24.55	-0.013059	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	-10	-107.95	-0.057420	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	0	-22.83	-0.012144	±2.5	PASS

Band2	1.4MHz	18900	16QAM	1	0	Low	NV	10	-27.17	-0.014452	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	20	-27.87	-0.014824	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	30	-105.60	-0.056170	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	40	-108.99	-0.057973	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	50	-108.60	-0.057766	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	60	-105.41	-0.056069	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	70	-112.82	-0.060011	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	80	-23.83	-0.012676	±2.5	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	NV	-40	-21.70	-0.011543	±2.5	PASS