

APPENDIX B: TEST RESULTS OF BAND 4 FOR CAT-M OPERATION

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APPENDIX B.1: EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA FOR M1

Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dBm)	EIRP		Limit (watts)	Verdict
								dBm	Watts		
Band4	1.4MHz	19957	QPSK	1	0	Low	23.3	25.44	0.350	1	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	21.18	23.32	0.215	1	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	23.26	25.40	0.347	1	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	21.35	23.49	0.223	1	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	23.12	25.26	0.336	1	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	21.45	23.59	0.229	1	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	22.21	24.35	0.272	1	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	21.07	23.21	0.209	1	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	22.25	24.39	0.275	1	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	21.15	23.29	0.213	1	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	22.32	24.46	0.279	1	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	21.22	23.36	0.217	1	PASS
Band4	3MHz	19965	QPSK	1	0	Low	23.38	25.52	0.356	1	PASS
Band4	3MHz	19965	QPSK	6	0	Low	21.22	23.36	0.217	1	PASS
Band4	3MHz	20175	QPSK	1	0	Low	23.33	25.47	0.352	1	PASS
Band4	3MHz	20175	QPSK	6	0	Low	21.21	23.35	0.216	1	PASS
Band4	3MHz	20385	QPSK	1	5	High	23.23	25.37	0.344	1	PASS
Band4	3MHz	20385	QPSK	6	0	High	21.59	23.73	0.236	1	PASS
Band4	3MHz	19965	16QAM	1	0	Low	22.17	24.31	0.270	1	PASS
Band4	3MHz	19965	16QAM	6	0	Low	21.13	23.27	0.212	1	PASS
Band4	3MHz	20175	16QAM	1	0	Low	22.13	24.27	0.267	1	PASS
Band4	3MHz	20175	16QAM	6	0	Low	21.19	23.33	0.215	1	PASS
Band4	3MHz	20385	16QAM	1	5	High	22.31	24.45	0.279	1	PASS
Band4	3MHz	20385	16QAM	6	0	High	21.33	23.47	0.222	1	PASS
Band4	5MHz	19975	QPSK	1	0	Low	23.35	25.49	0.354	1	PASS
Band4	5MHz	19975	QPSK	6	0	Low	22.08	24.22	0.264	1	PASS
Band4	5MHz	20175	QPSK	1	0	Low	23.17	25.31	0.340	1	PASS
Band4	5MHz	20175	QPSK	6	0	Low	22.14	24.28	0.268	1	PASS
Band4	5MHz	20375	QPSK	1	5	High	23.45	25.59	0.362	1	PASS
Band4	5MHz	20375	QPSK	3	3	High	22.38	24.52	0.283	1	PASS
Band4	5MHz	19975	16QAM	1	0	Low	23.32	25.46	0.352	1	PASS
Band4	5MHz	19975	16QAM	6	0	Low	22.04	24.18	0.262	1	PASS
Band4	5MHz	20175	16QAM	1	0	Low	23.08	25.22	0.333	1	PASS
Band4	5MHz	20175	16QAM	6	0	Low	22.13	24.27	0.267	1	PASS
Band4	5MHz	20375	16QAM	1	5	High	23.37	25.51	0.356	1	PASS
Band4	5MHz	20375	16QAM	3	3	High	22.36	24.50	0.282	1	PASS
Band4	10MHz	20000	QPSK	1	0	Low	23.27	25.41	0.348	1	PASS
Band4	10MHz	20000	QPSK	5	0	Low	22.14	24.28	0.268	1	PASS
Band4	10MHz	20175	QPSK	1	0	Low	23.32	25.46	0.352	1	PASS
Band4	10MHz	20175	QPSK	5	0	Low	22.2	24.34	0.272	1	PASS
Band4	10MHz	20350	QPSK	1	5	High	23.22	25.36	0.344	1	PASS
Band4	10MHz	20350	QPSK	5	1	High	22.24	24.38	0.274	1	PASS
Band4	10MHz	20000	16QAM	1	0	Low	23.45	25.59	0.362	1	PASS
Band4	10MHz	20000	16QAM	5	0	Low	22.08	24.22	0.264	1	PASS
Band4	10MHz	20175	16QAM	1	0	Low	23.28	25.42	0.348	1	PASS
Band4	10MHz	20175	16QAM	5	0	Low	22.08	24.22	0.264	1	PASS
Band4	10MHz	20350	16QAM	1	5	High	23.25	25.39	0.346	1	PASS
Band4	10MHz	20350	16QAM	5	1	High	22	24.14	0.259	1	PASS
Band4	15MHz	20025	QPSK	1	0	Low	23.22	25.36	0.344	1	PASS

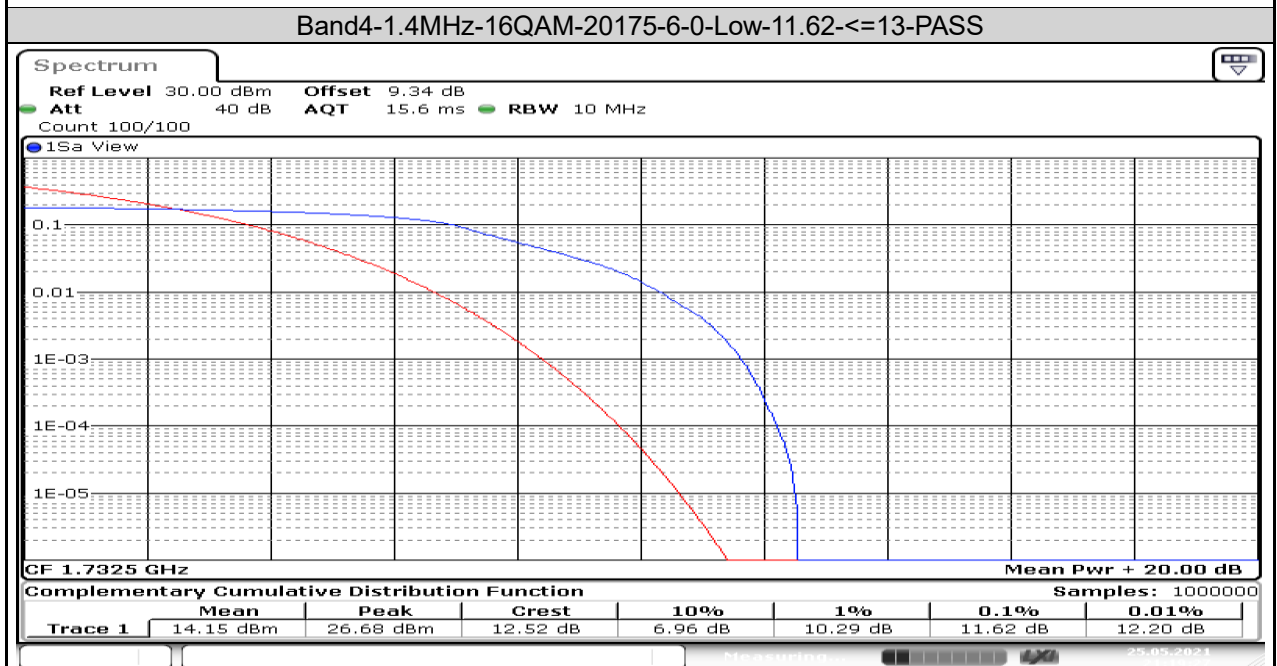
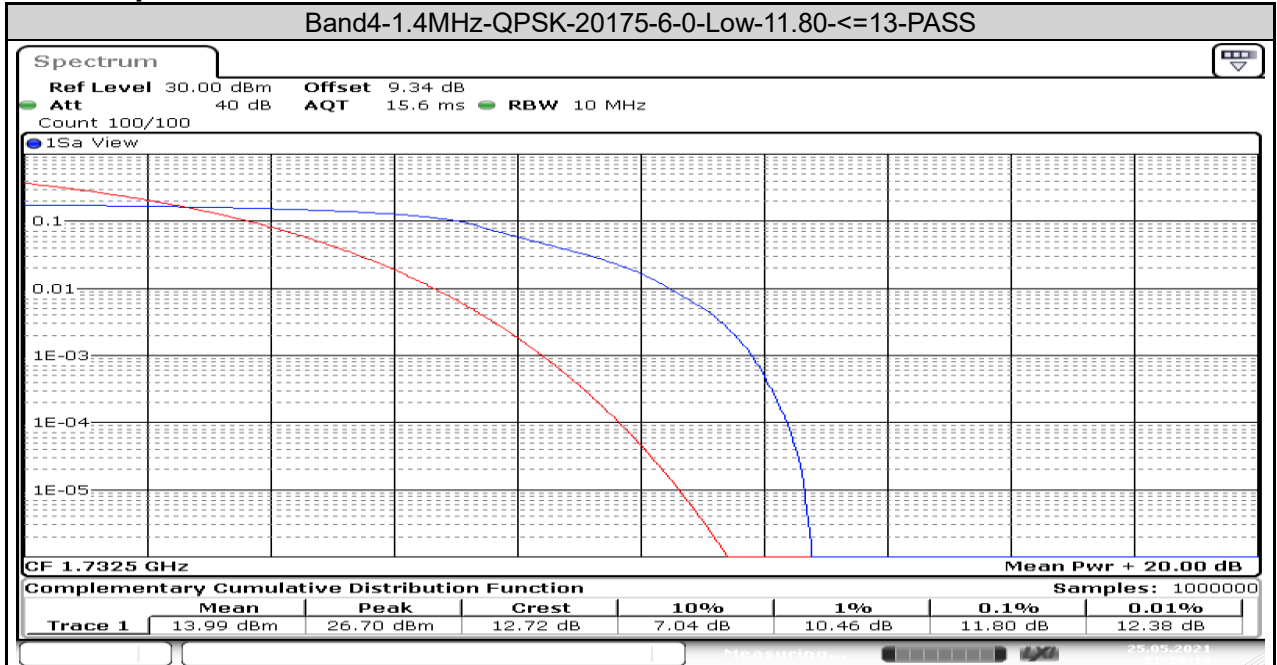
Band4	15MHz	20025	QPSK	6	0	Low	23.16	25.30	0.339	1	PASS
Band4	15MHz	20175	QPSK	1	0	Low	23.04	25.18	0.330	1	PASS
Band4	15MHz	20175	QPSK	6	0	Low	23.03	25.17	0.329	1	PASS
Band4	15MHz	20325	QPSK	1	5	High	23.45	25.59	0.362	1	PASS
Band4	15MHz	20325	QPSK	6	0	High	23.37	25.51	0.356	1	PASS
Band4	15MHz	20025	16QAM	1	0	Low	23.37	25.51	0.356	1	PASS
Band4	15MHz	20025	16QAM	6	0	Low	23.15	25.29	0.338	1	PASS
Band4	15MHz	20175	16QAM	1	0	Low	23.55	25.69	0.371	1	PASS
Band4	15MHz	20175	16QAM	6	0	Low	22.98	25.12	0.325	1	PASS
Band4	15MHz	20325	16QAM	1	5	High	23.4	25.54	0.358	1	PASS
Band4	15MHz	20325	16QAM	6	0	High	23.32	25.46	0.352	1	PASS
Band4	20MHz	20050	QPSK	1	0	Low	23.28	25.42	0.348	1	PASS
Band4	20MHz	20050	QPSK	6	0	Low	23.13	25.27	0.337	1	PASS
Band4	20MHz	20175	QPSK	1	0	Low	23.15	25.29	0.338	1	PASS
Band4	20MHz	20175	QPSK	6	0	Low	23.08	25.22	0.333	1	PASS
Band4	20MHz	20300	QPSK	1	5	High	23.22	25.36	0.344	1	PASS
Band4	20MHz	20300	QPSK	6	0	High	23.41	25.55	0.359	1	PASS
Band4	20MHz	20050	16QAM	1	0	Low	23.41	25.55	0.359	1	PASS
Band4	20MHz	20050	16QAM	6	0	Low	23.12	25.26	0.336	1	PASS
Band4	20MHz	20175	16QAM	1	0	Low	23.27	25.41	0.348	1	PASS
Band4	20MHz	20175	16QAM	6	0	Low	22.83	24.97	0.314	1	PASS
Band4	20MHz	20300	16QAM	1	5	High	23.39	25.53	0.357	1	PASS
Band4	20MHz	20300	16QAM	6	0	High	23.36	25.50	0.355	1	PASS

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

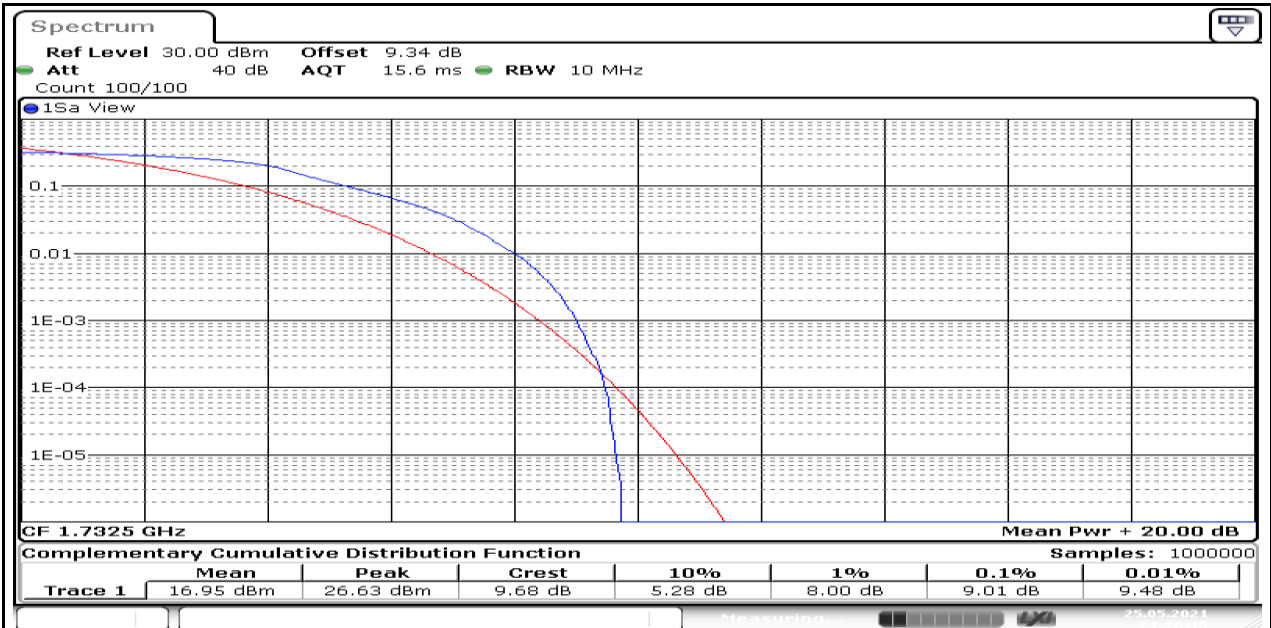
Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Result (dB)	Limit (dB)	Verdict
Band4	1.4MHz	20175	QPSK	6	0	Low	11.80	<=13	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	11.62	<=13	PASS
Band4	3MHz	20175	QPSK	6	0	Low	9.01	<=13	PASS
Band4	3MHz	20175	16QAM	6	0	Low	10.38	<=13	PASS
Band4	5MHz	20175	QPSK	6	0	Low	11.80	<=13	PASS
Band4	5MHz	20175	16QAM	6	0	Low	9.07	<=13	PASS
Band4	10MHz	20175	QPSK	6	0	Low	9.13	<=13	PASS
Band4	10MHz	20175	16QAM	6	0	Low	10.70	<=13	PASS
Band4	15MHz	20175	QPSK	6	0	Low	10.17	<=13	PASS
Band4	15MHz	20175	16QAM	6	0	Low	11.83	<=13	PASS
Band4	20MHz	20175	QPSK	6	0	Low	11.83	<=13	PASS
Band4	20MHz	20175	16QAM	6	0	Low	9.54	<=13	PASS

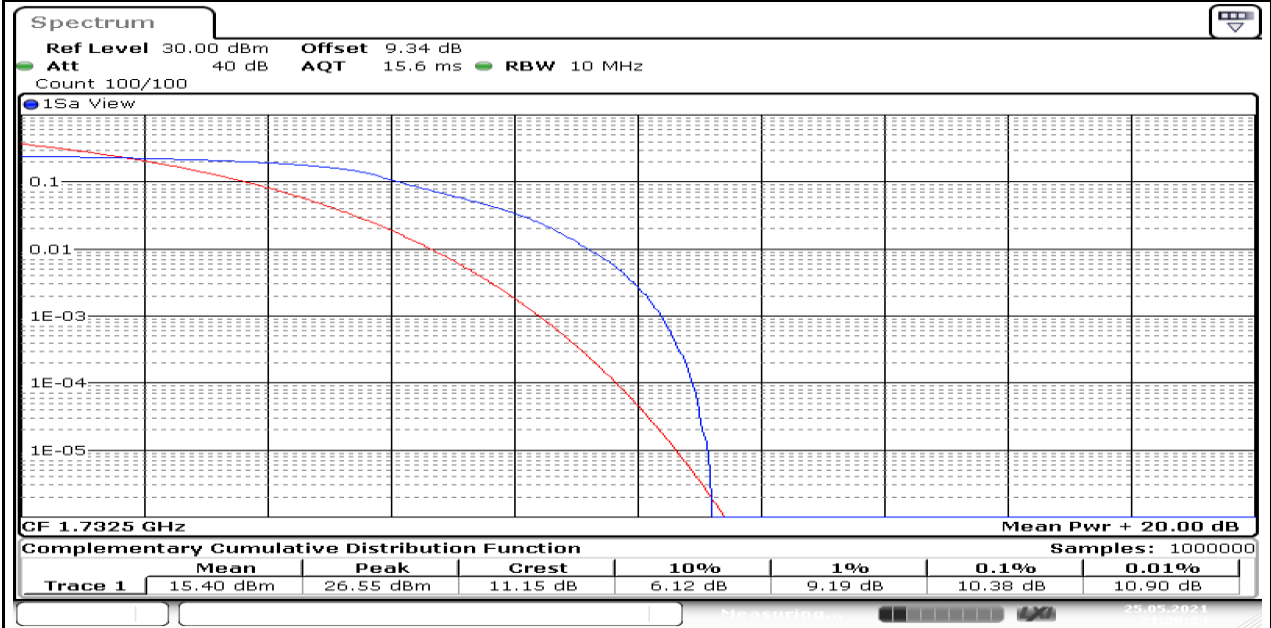
Test Graphs



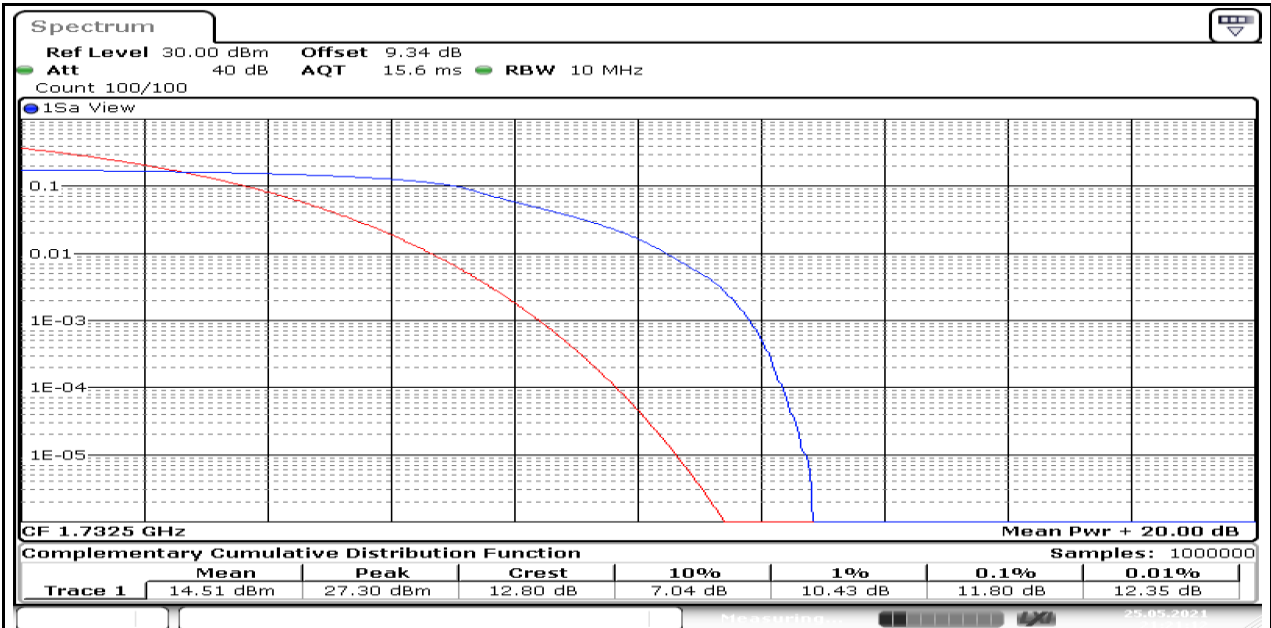
Band4-3MHz-QPSK-20175-6-0-Low-9.01-<=13-PASS



Band4-3MHz-16QAM-20175-6-0-Low-10.38-<=13-PASS

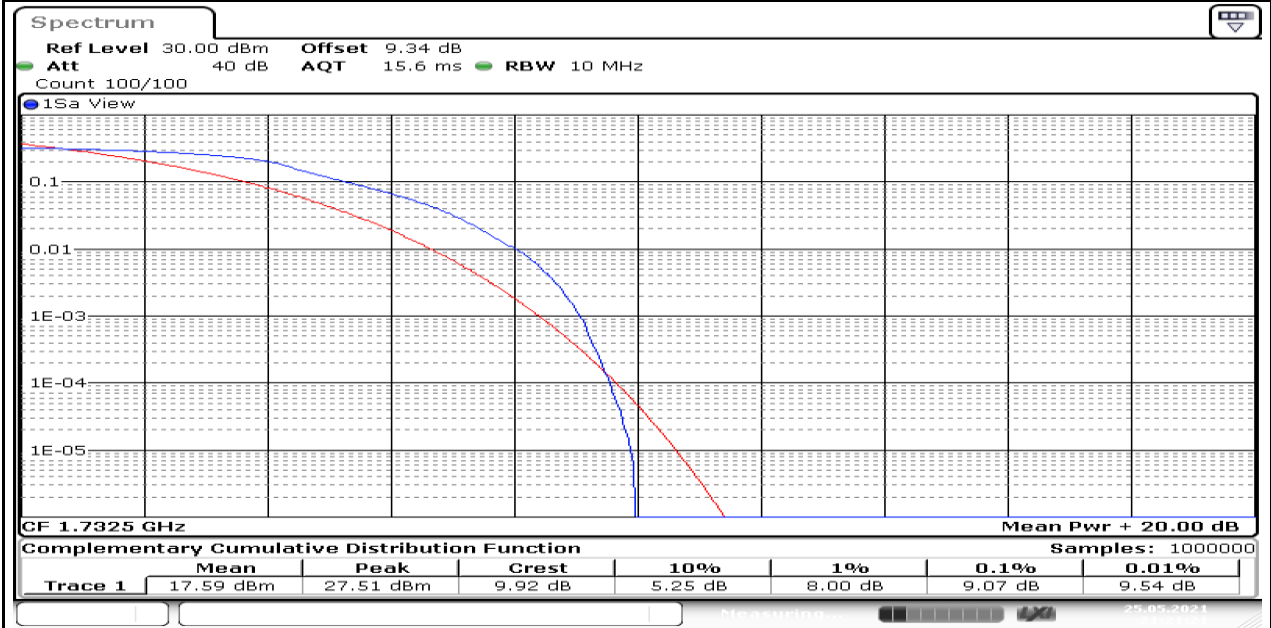


Band4-5MHz-QPSK-20175-6-0-Low-11.80-<=13-PASS



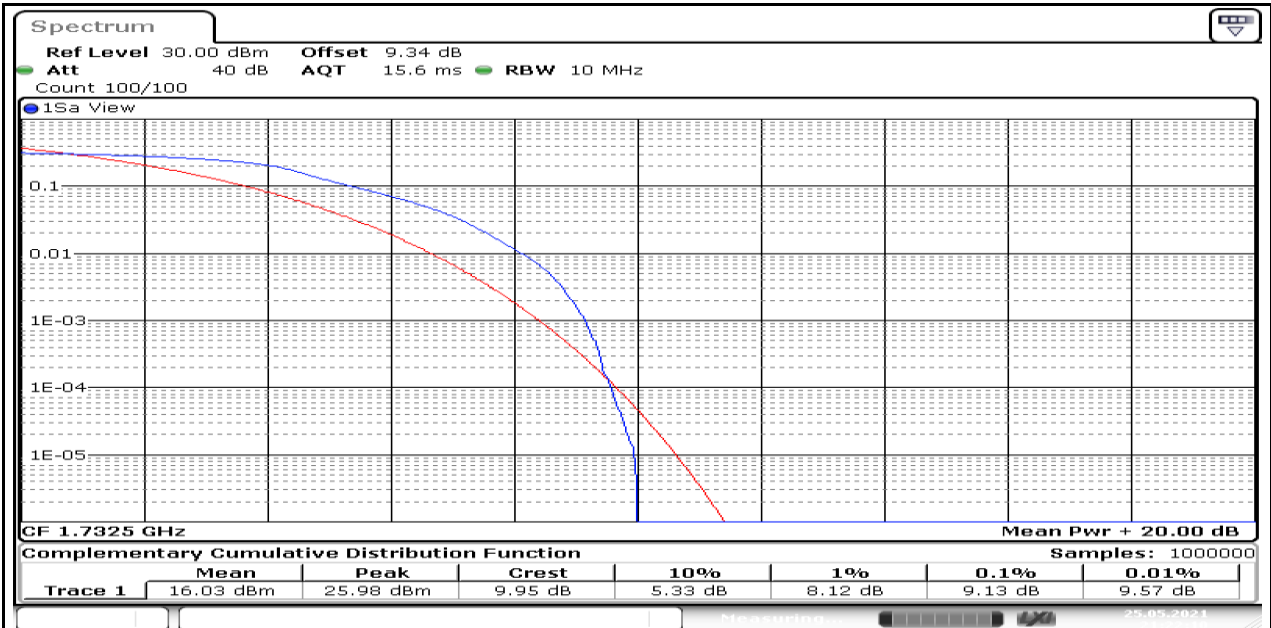
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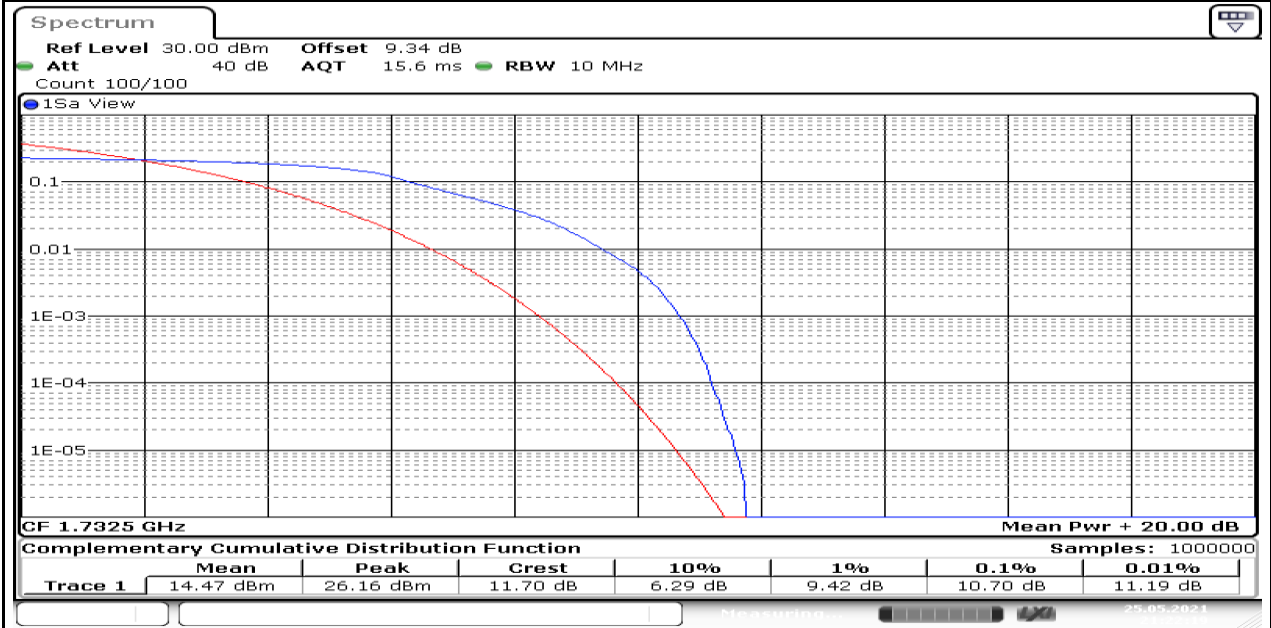
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Band4-10MHz-QPSK-20175-6-0-Low-9.13-<=13-PASS



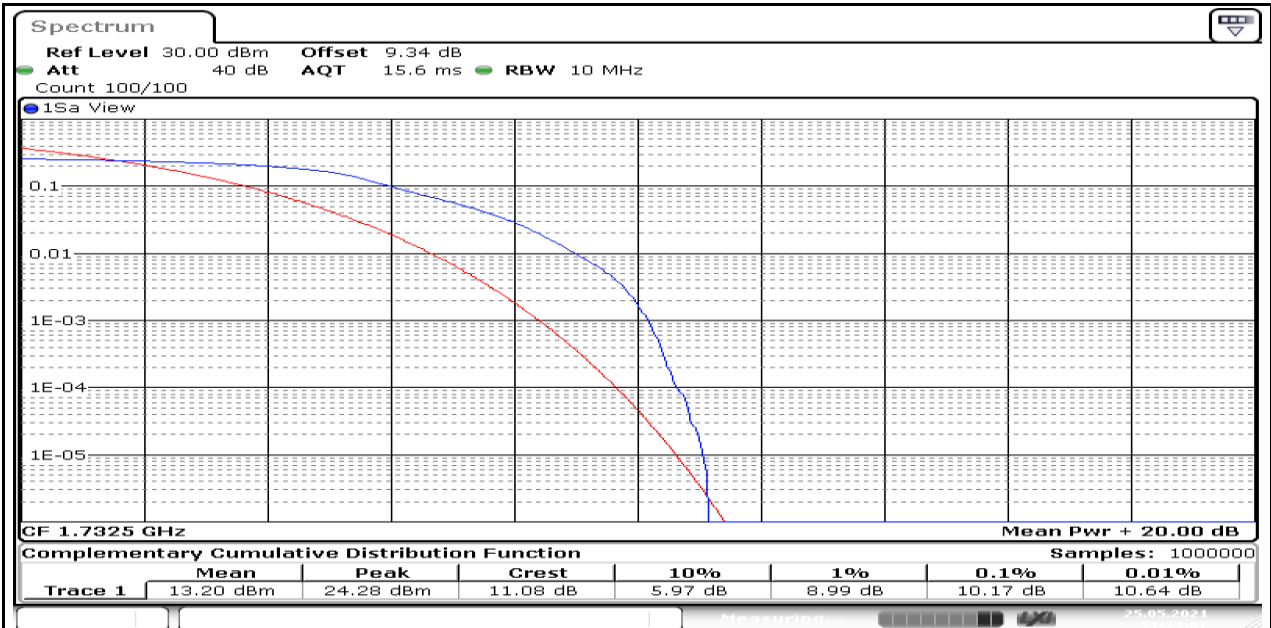
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Band4-10MHz-16QAM-20175-6-0-Low-10.70-<=13-PASS

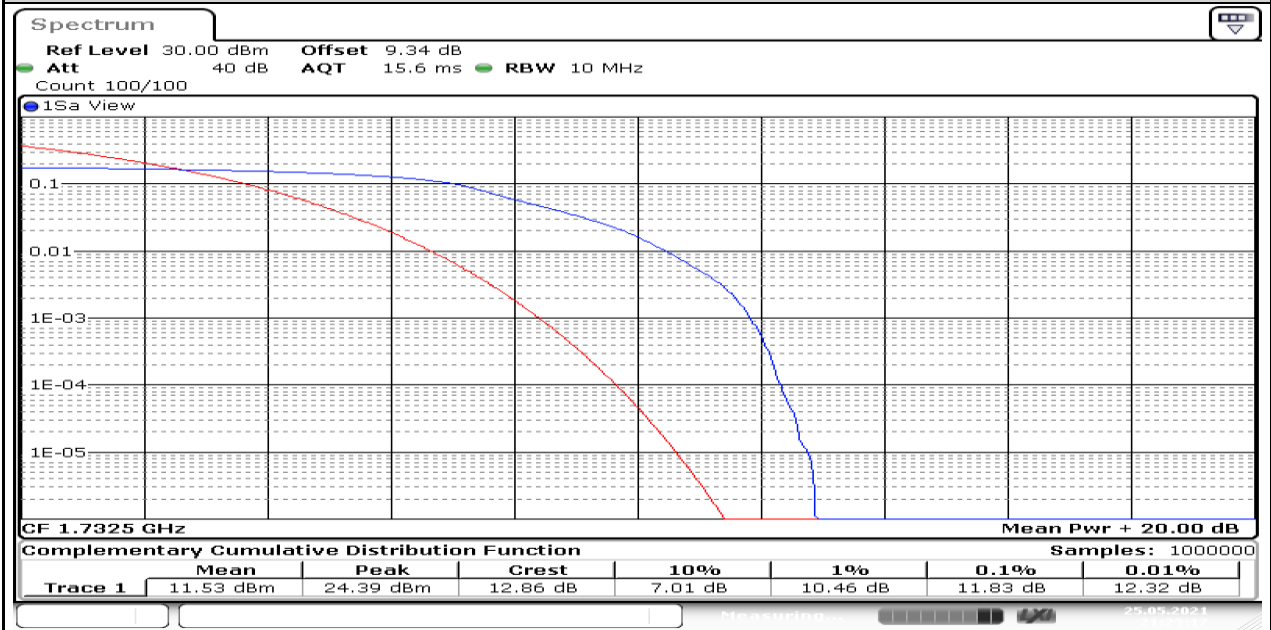


Date: 25.MAY.2021 21:22:19

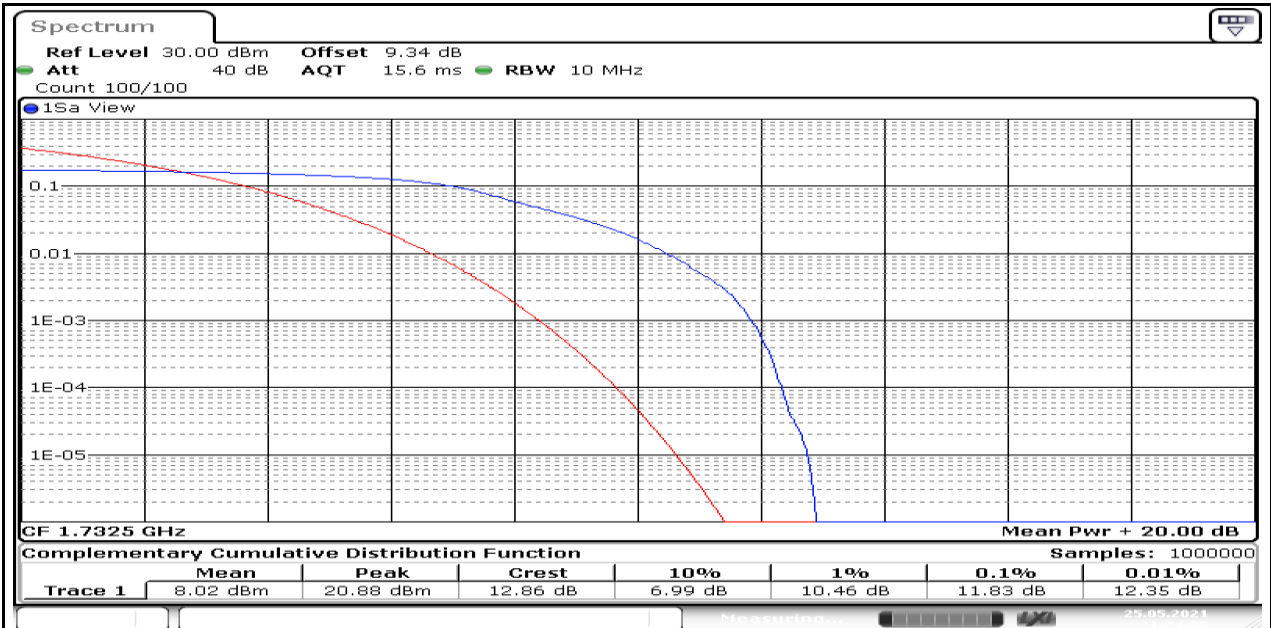
Band4-15MHz-QPSK-20175-6-0-Low-10.17-<=13-PASS



Band4-15MHz-16QAM-20175-6-0-Low-11.83-<=13-PASS

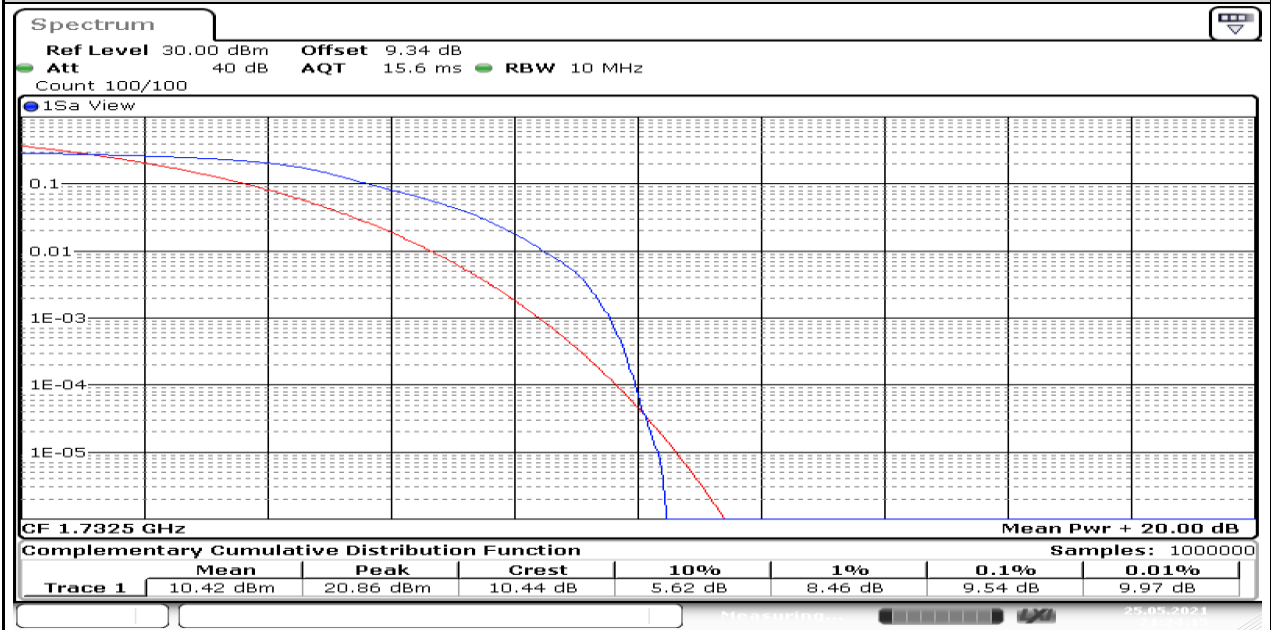


Band4-20MHz-QPSK-20175-6-0-Low-11.83-<=13-PASS



Date: 25.MAY.2021 21:24:05

Band4-20MHz-16QAM-20175-6-0-Low-9.54-<=13-PASS



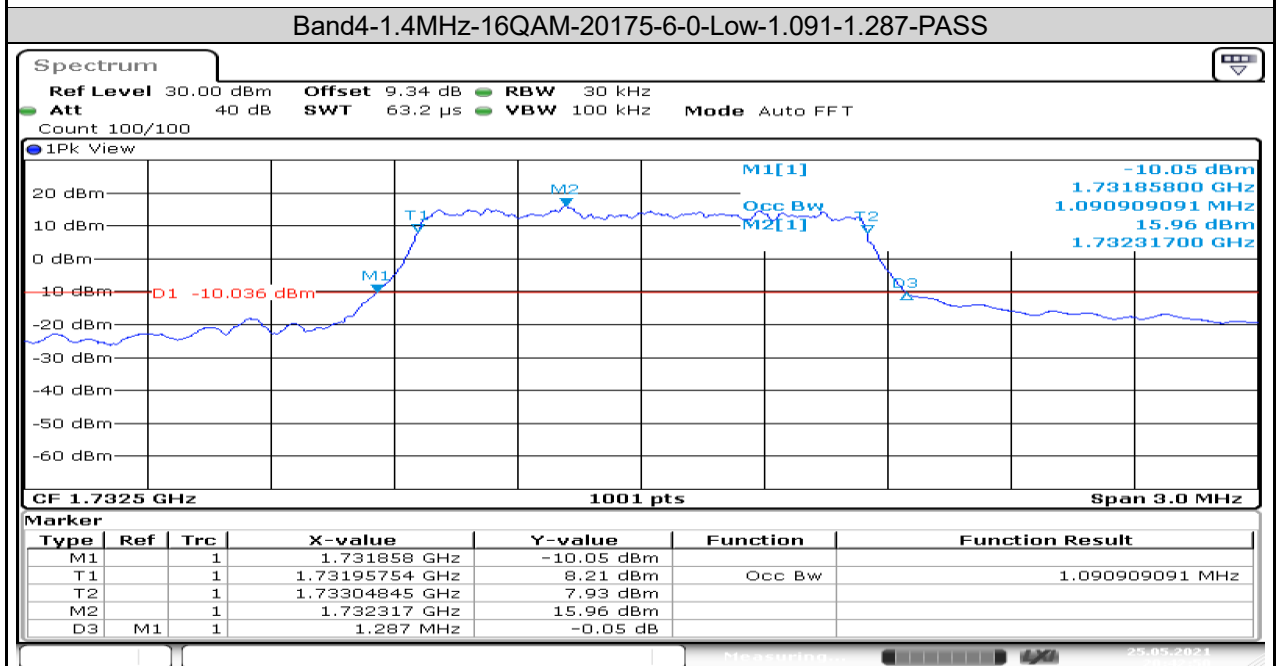
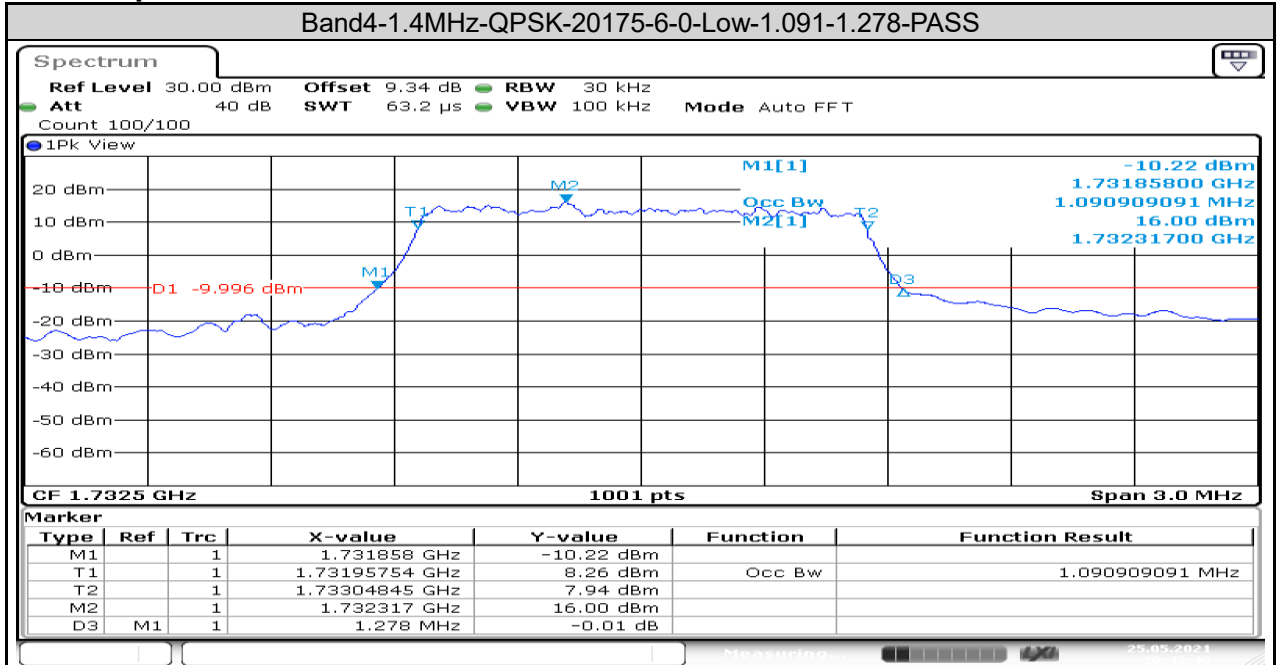
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APPENDIX B.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH FOR M1

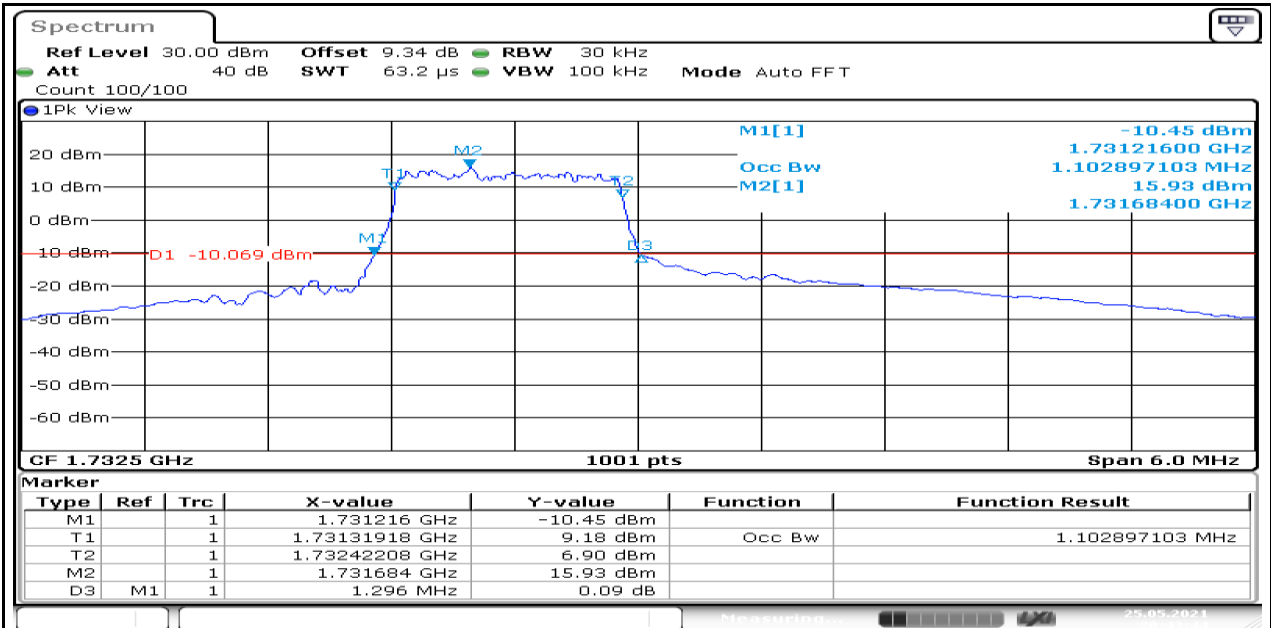
Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	20175	QPSK	6	0	Low	1.091	1.278	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	1.091	1.287	PASS
Band4	3MHz	20175	QPSK	6	0	Low	1.103	1.296	PASS
Band4	3MHz	20175	16QAM	6	0	Low	1.097	1.296	PASS
Band4	5MHz	20175	QPSK	6	0	Low	1.109	1.320	PASS
Band4	5MHz	20175	16QAM	6	0	Low	1.109	1.330	PASS
Band4	10MHz	20175	QPSK	6	0	Low	1.119	1.320	PASS
Band4	10MHz	20175	16QAM	6	0	Low	1.119	1.320	PASS
Band4	15MHz	20175	QPSK	6	0	Low	1.139	1.380	PASS
Band4	15MHz	20175	16QAM	6	0	Low	1.139	1.380	PASS
Band4	20MHz	20175	QPSK	6	0	Low	1.119	1.400	PASS
Band4	20MHz	20175	16QAM	6	0	Low	1.119	1.400	PASS

Test Graphs

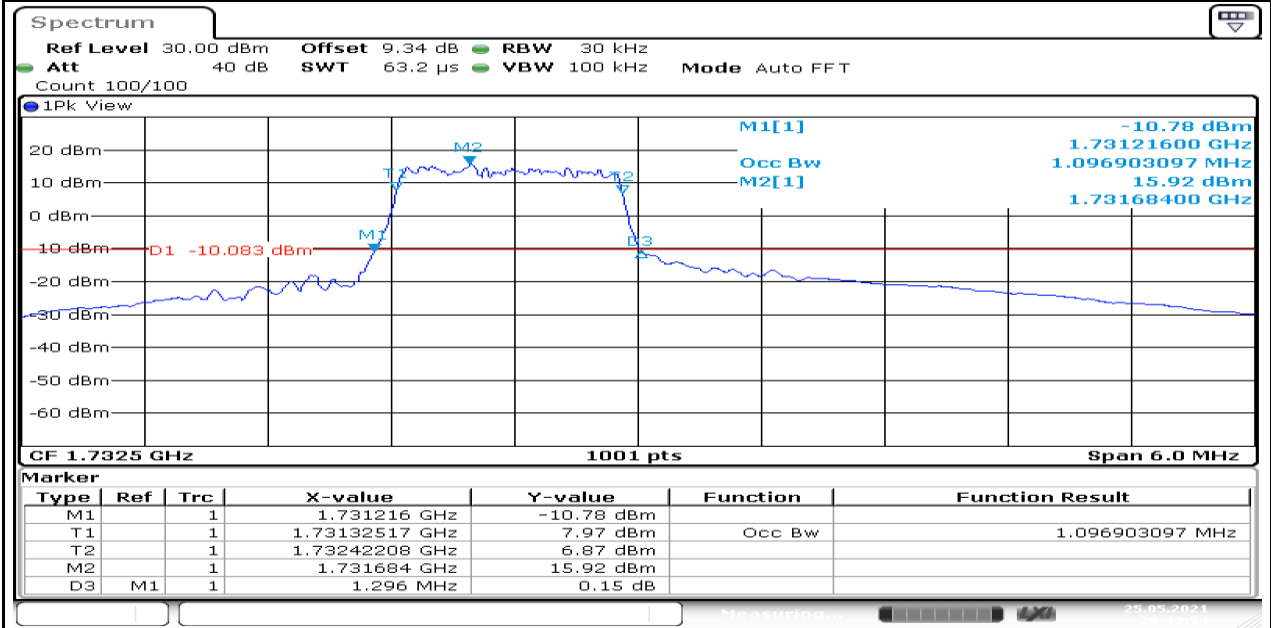


Band4-3MHz-QPSK-20175-6-0-Low-1.103-1.296-PASS



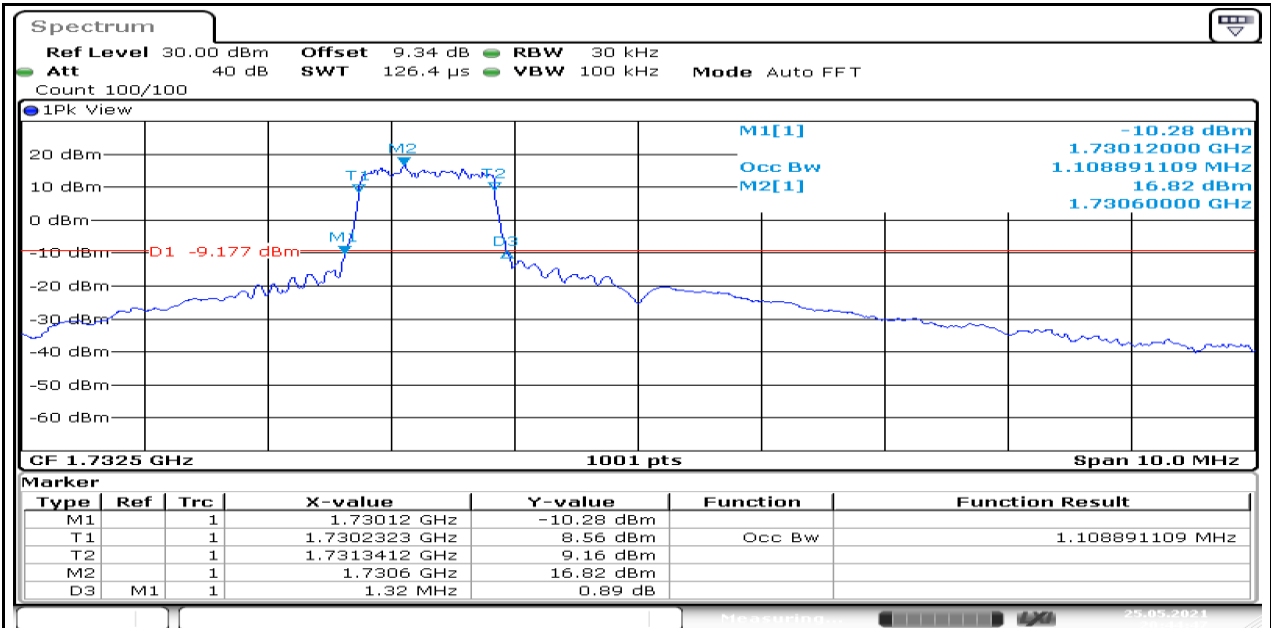
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Band4-3MHz-16QAM-20175-6-0-Low-1.097-1.296-PASS



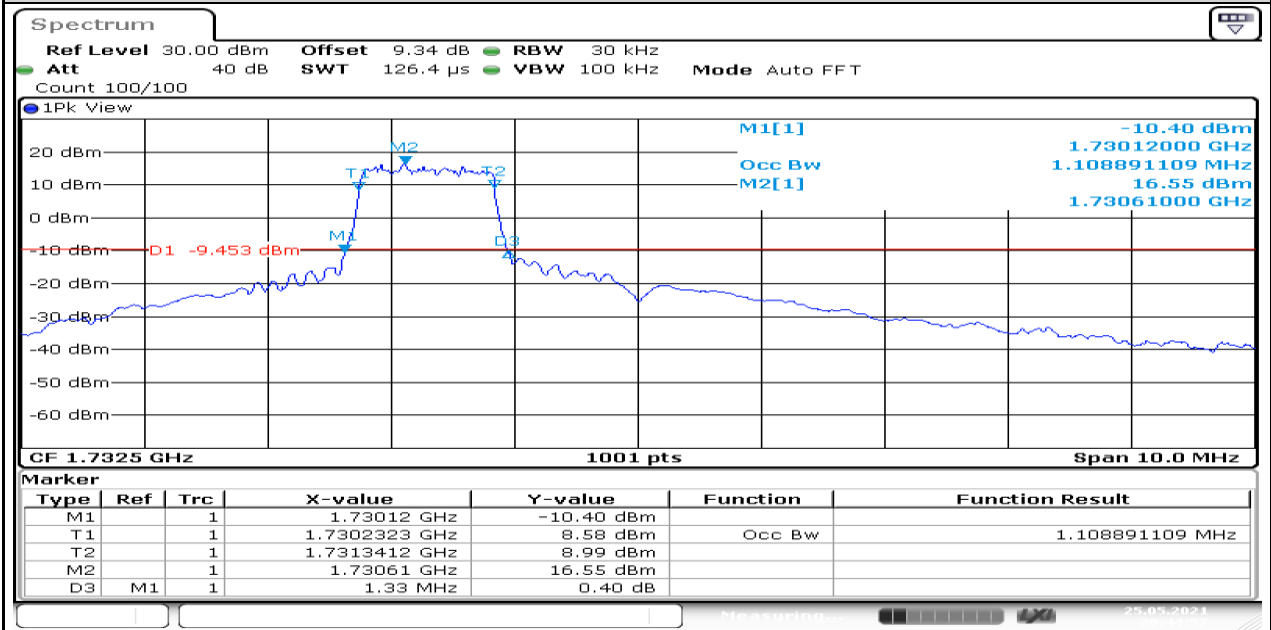
Date: 25.MAY.2021 20:43:54

Band4-5MHz-QPSK-20175-6-0-Low-1.109-1.320-PASS



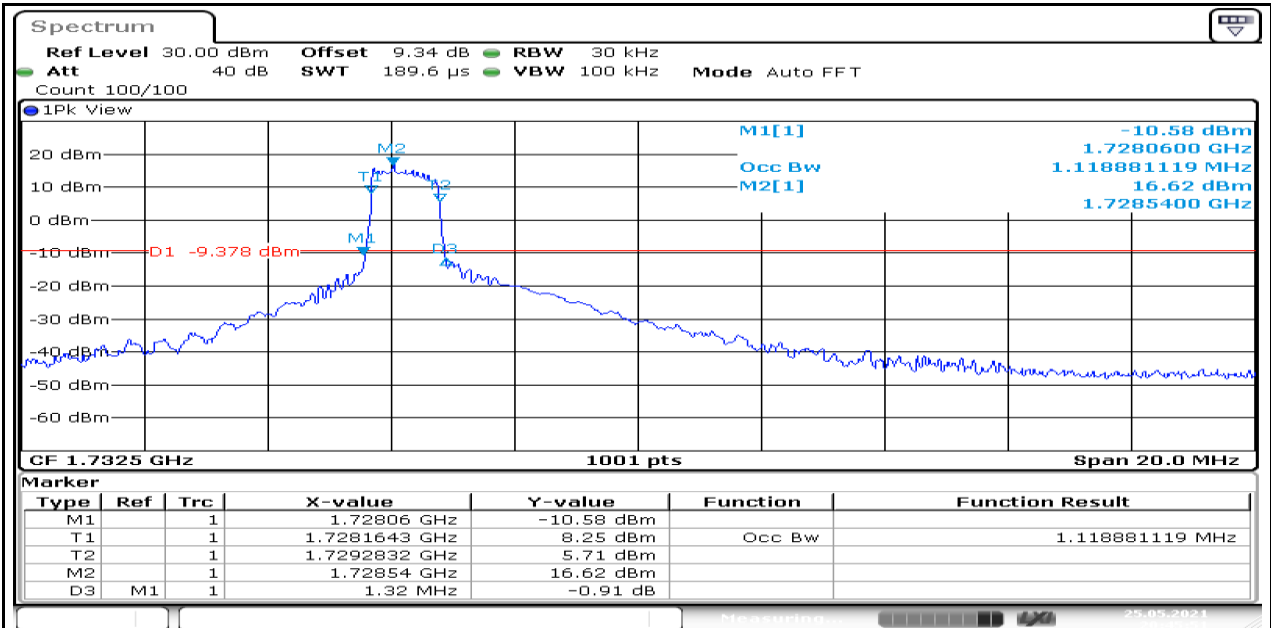
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Band4-5MHz-16QAM-20175-6-0-Low-1.109-1.330-PASS



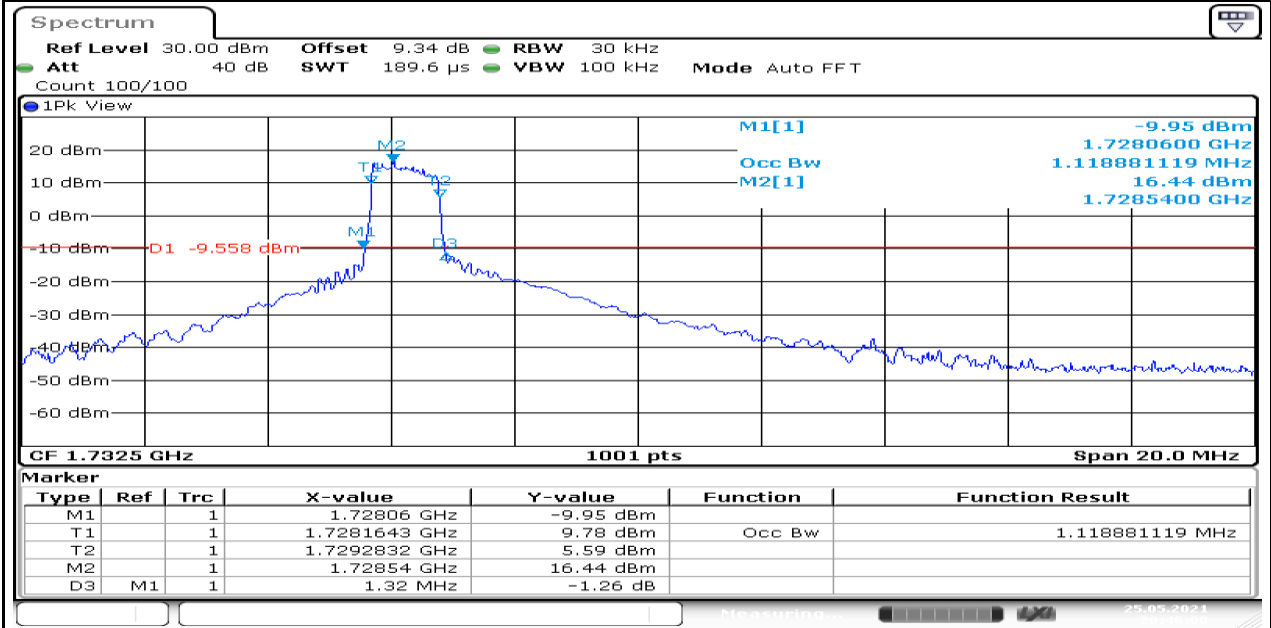
Date: 25.MAY.2021 20:44:57

Band4-10MHz-QPSK-20175-6-0-Low-1.119-1.320-PASS



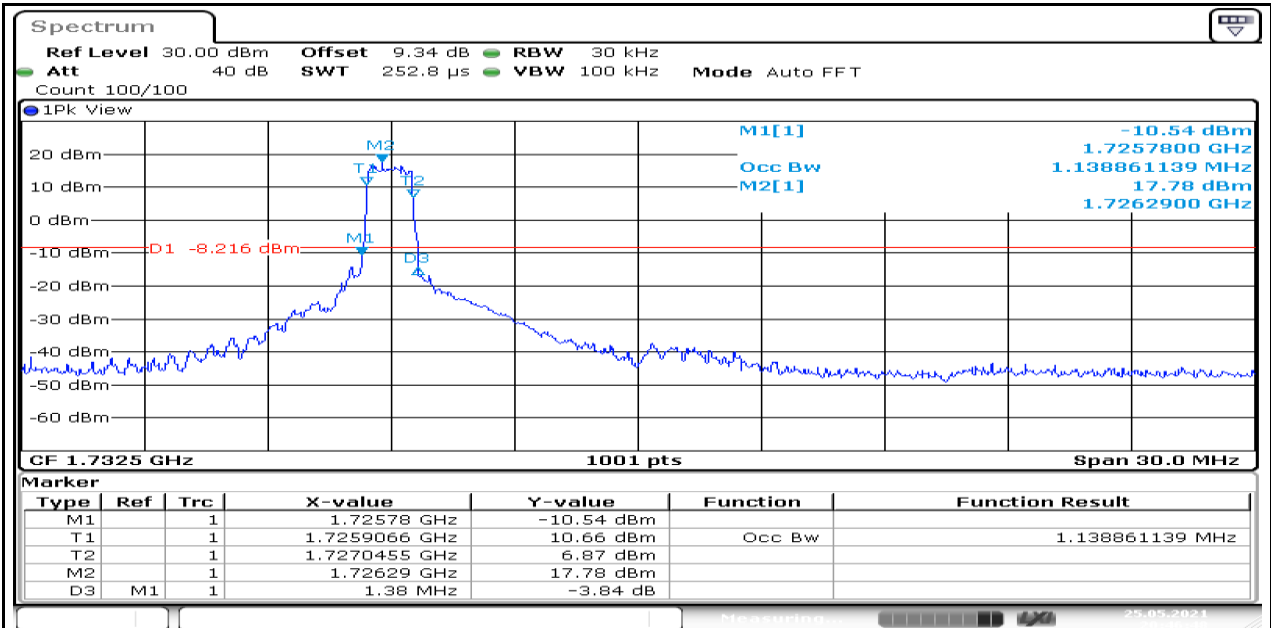
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Band4-10MHz-16QAM-20175-6-0-Low-1.119-1.320-PASS



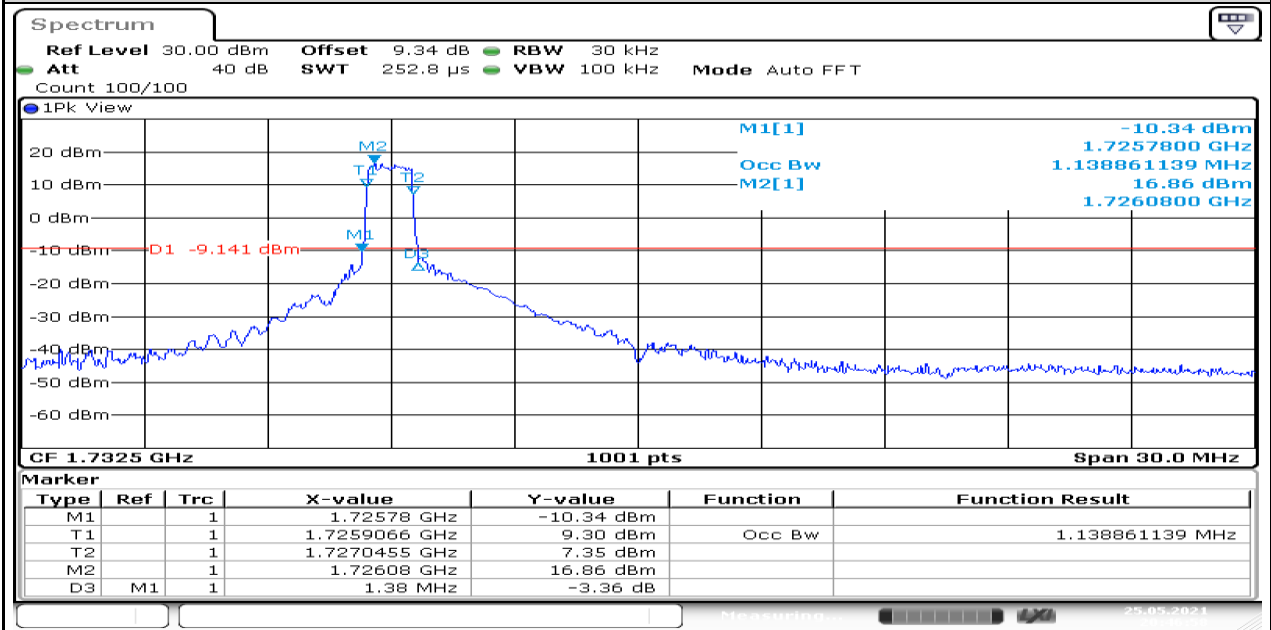
Date: 25.MAY.2021 20:46:00

Band4-15MHz-QPSK-20175-6-0-Low-1.139-1.380-PASS



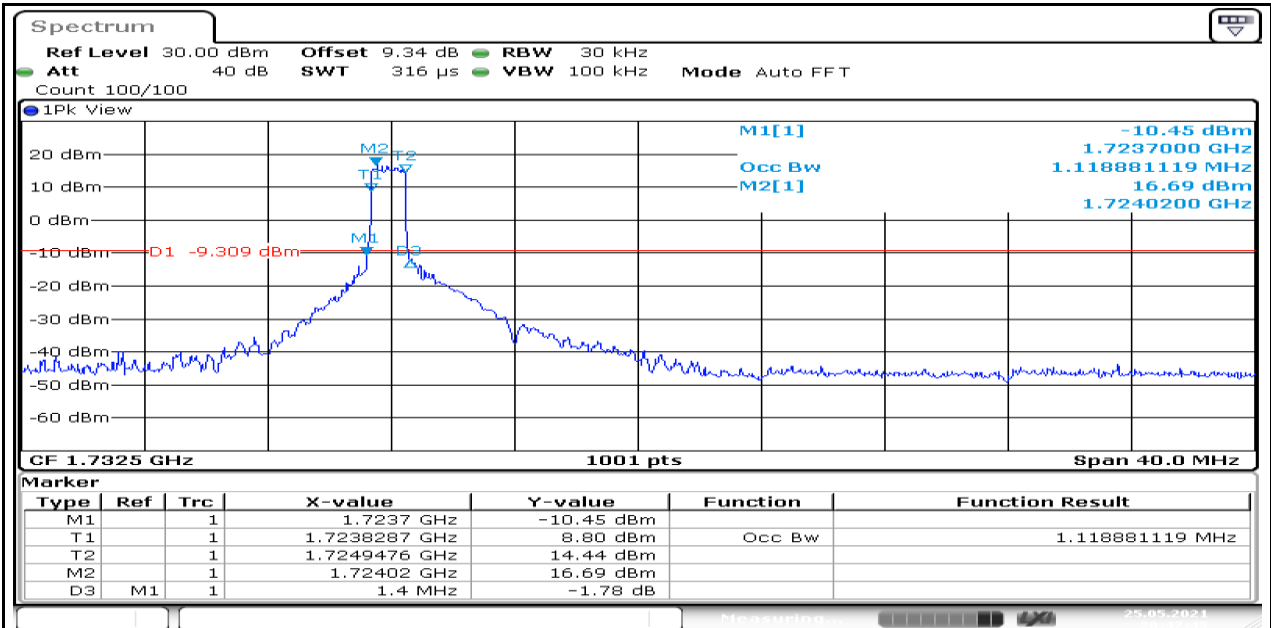
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Band4-15MHz-16QAM-20175-6-0-Low-1.139-1.380-PASS



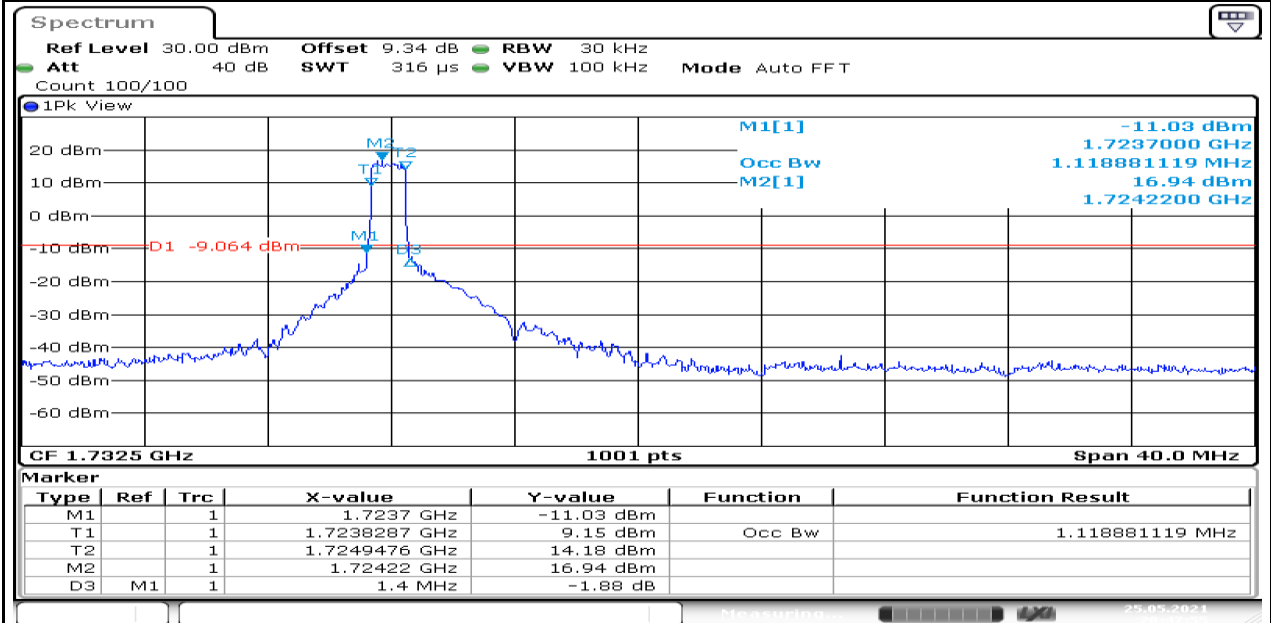
Date: 25.MAY.2021 20:46:58

Band4-20MHz-QPSK-20175-6-0-Low-1.119-1.400-PASS



Date: 25.MAY.2021 20:47:45

Band4-20MHz-16QAM-20175-6-0-Low-1.119-1.400-PASS



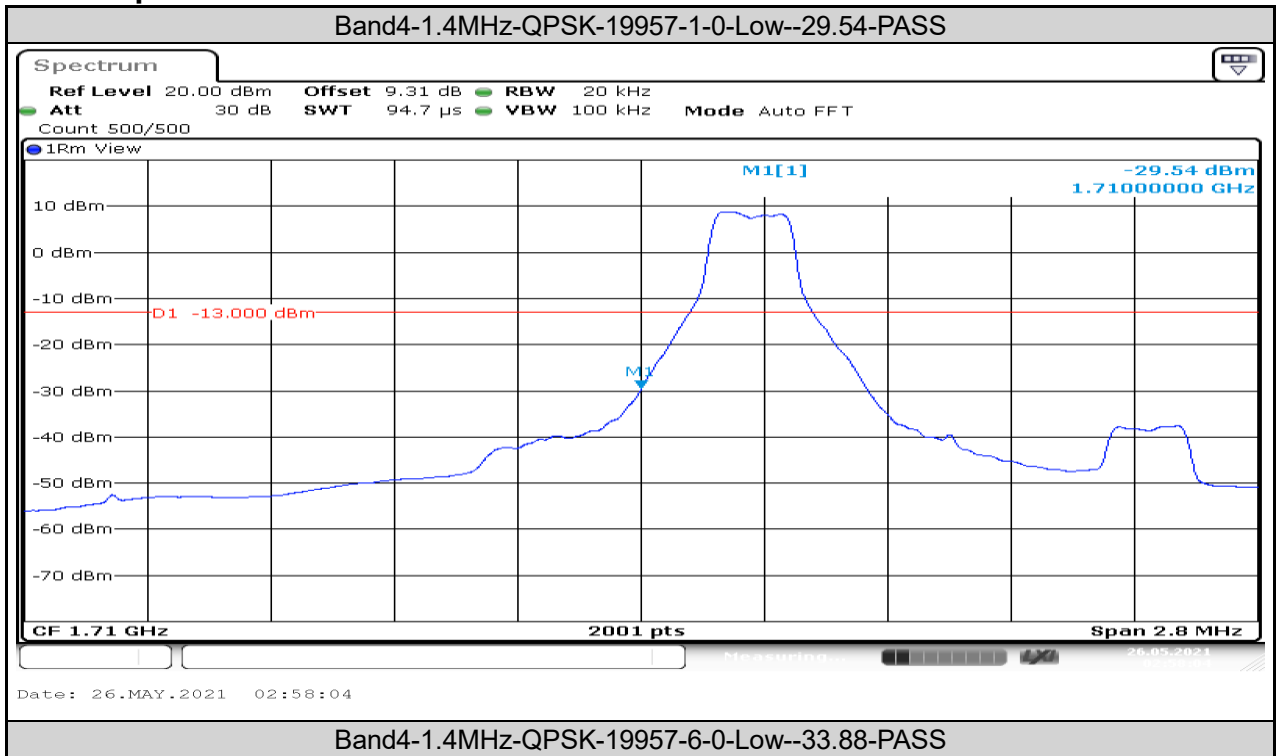
Date: 25.MAY.2021 20:47:55

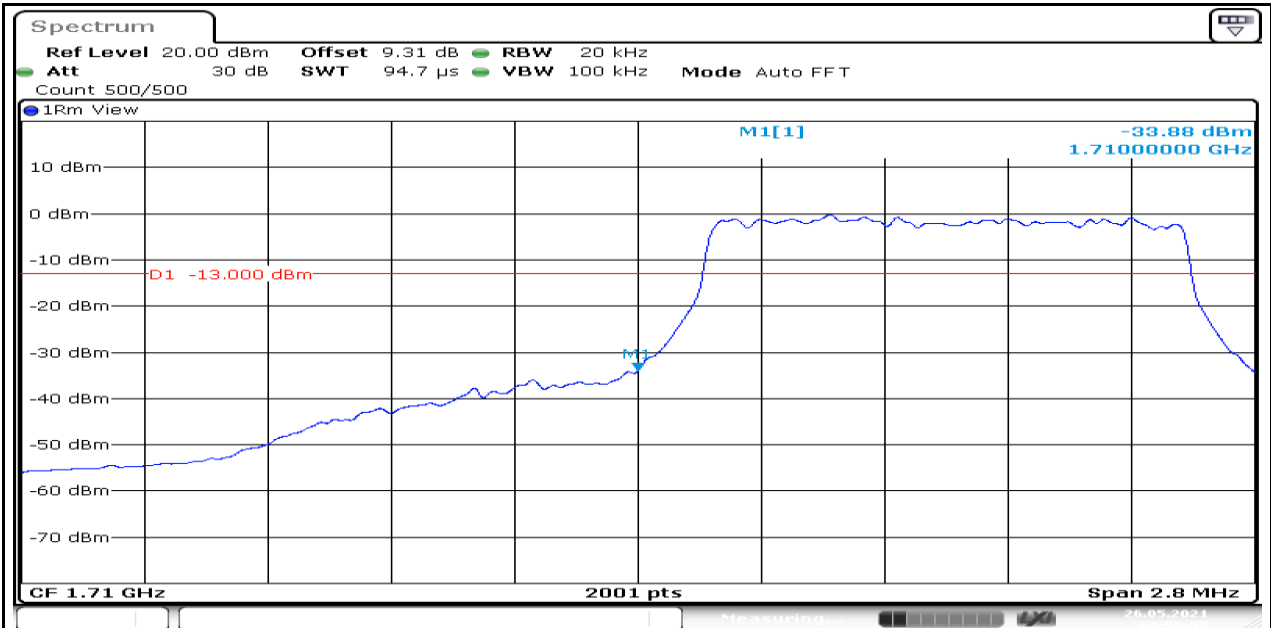
APPENDIX B.4: BAND EDGE FOR M1

Test Result

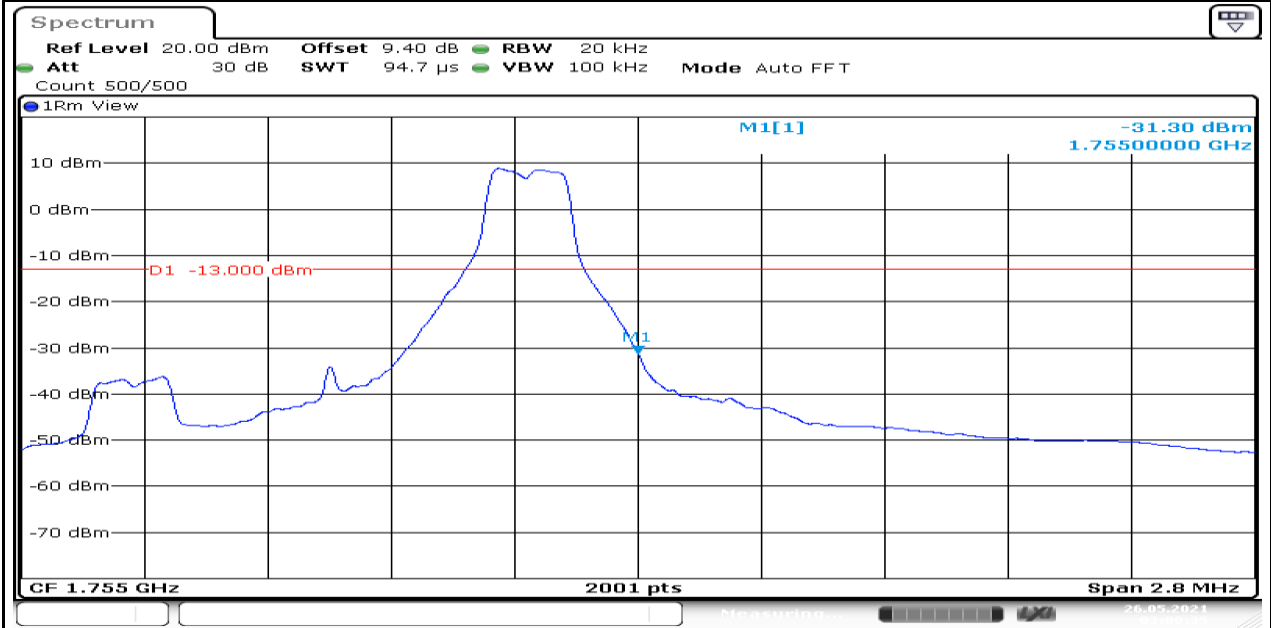
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	-29.54	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	-33.88	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	-31.30	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	-33.72	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	-30.38	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	-34.32	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	-30.59	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	-35.84	PASS

Test Graphs

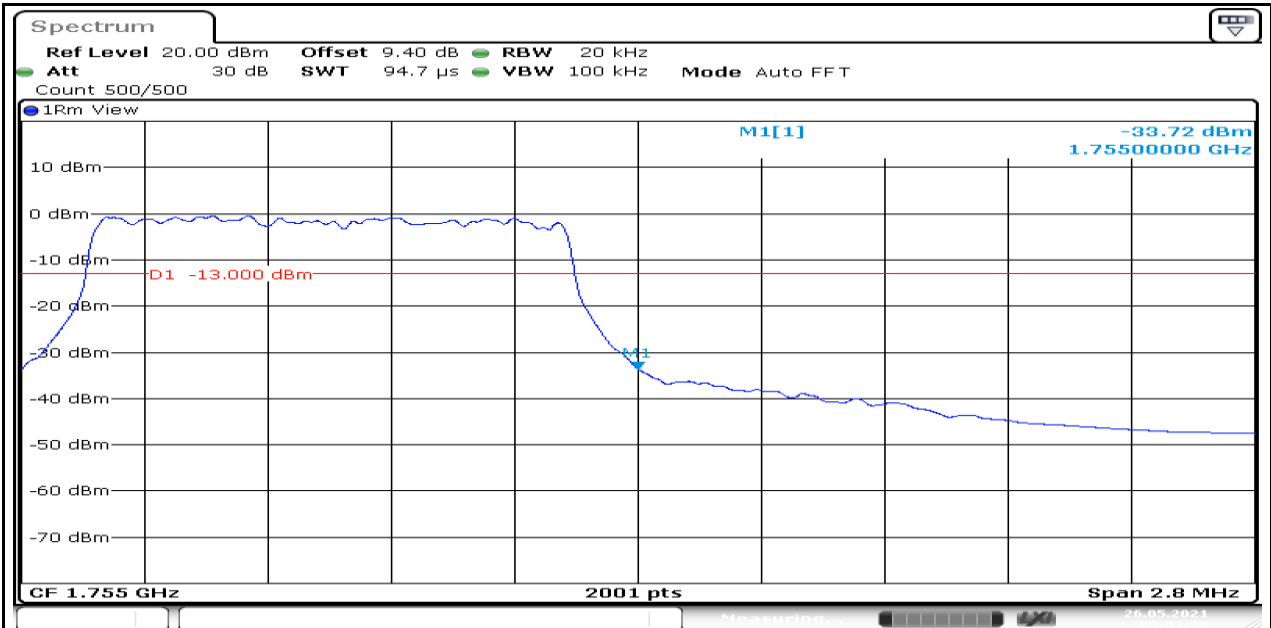




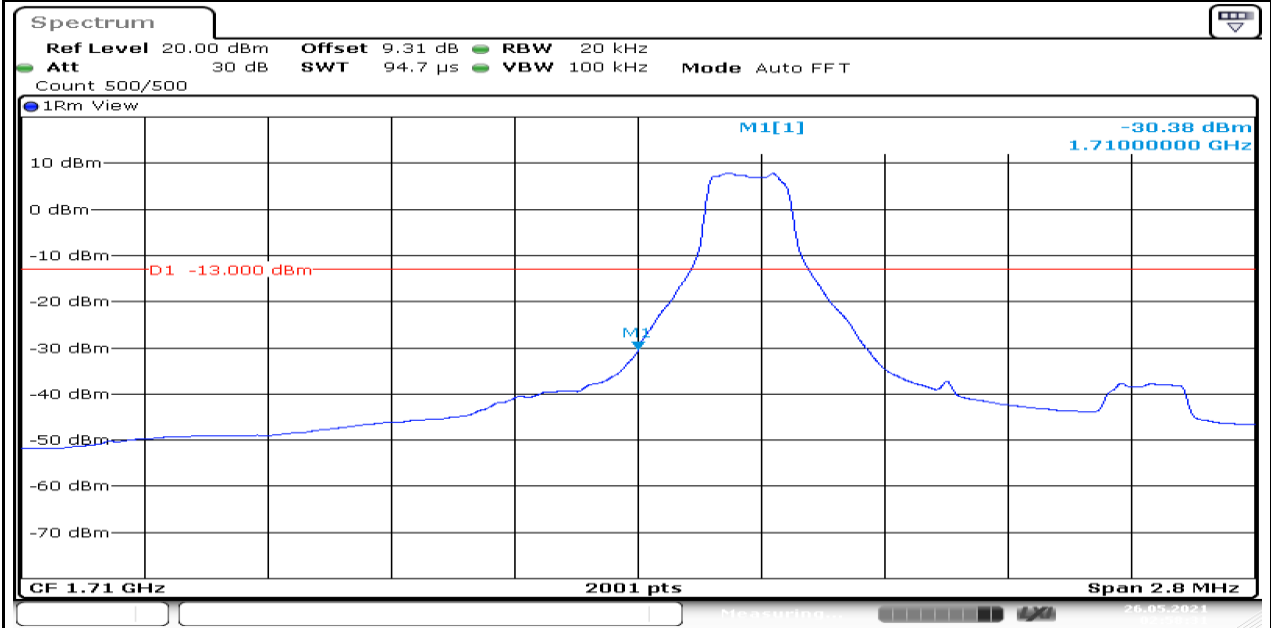
Band4-1.4MHz-QPSK-20393-1-5-Low--31.30-PASS



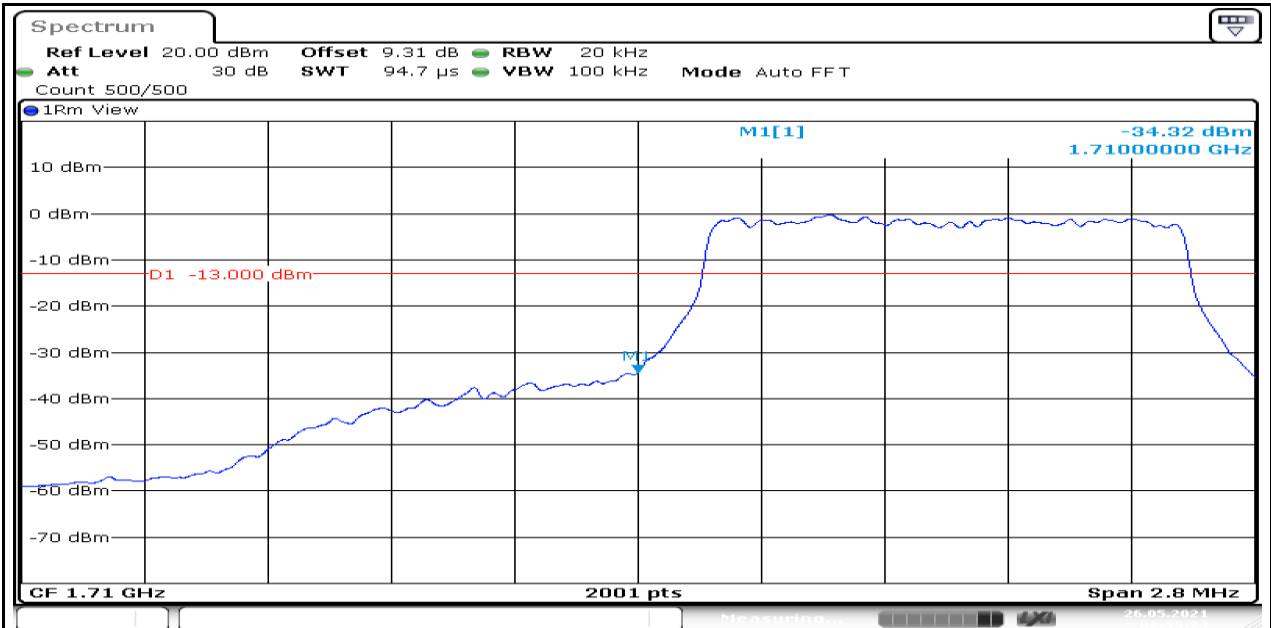
Band4-1.4MHz-QPSK-20393-6-0-Low--33.72-PASS



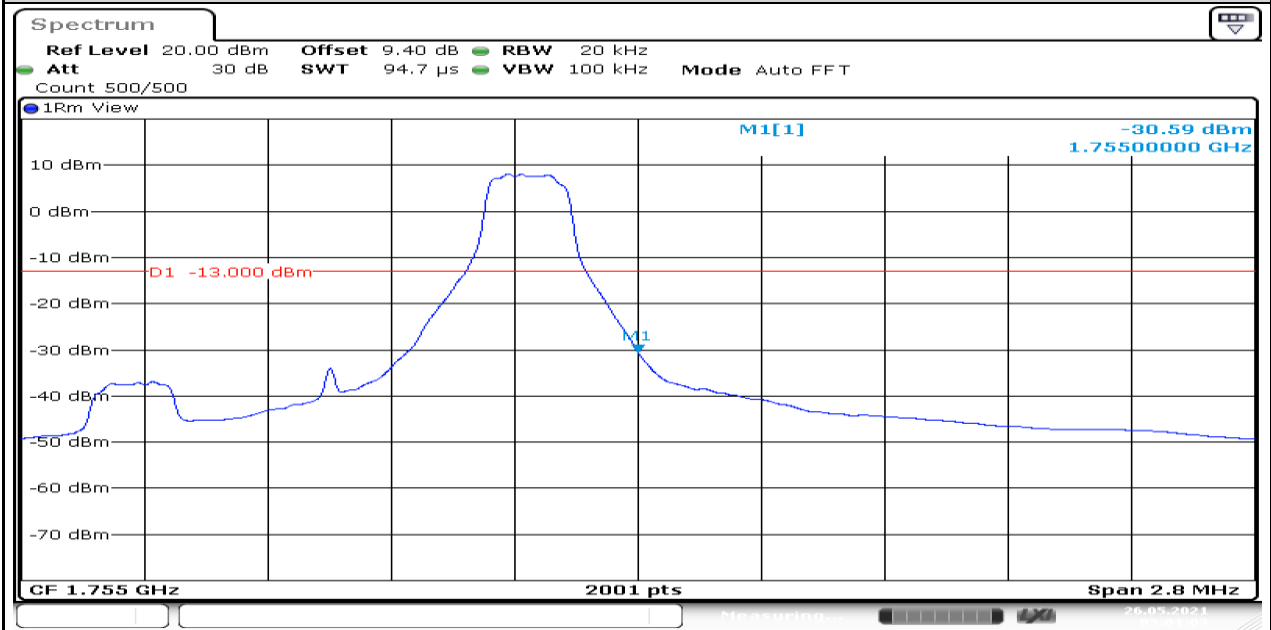
Band4-1.4MHz-16QAM-19957-1-0-Low--30.38-PASS



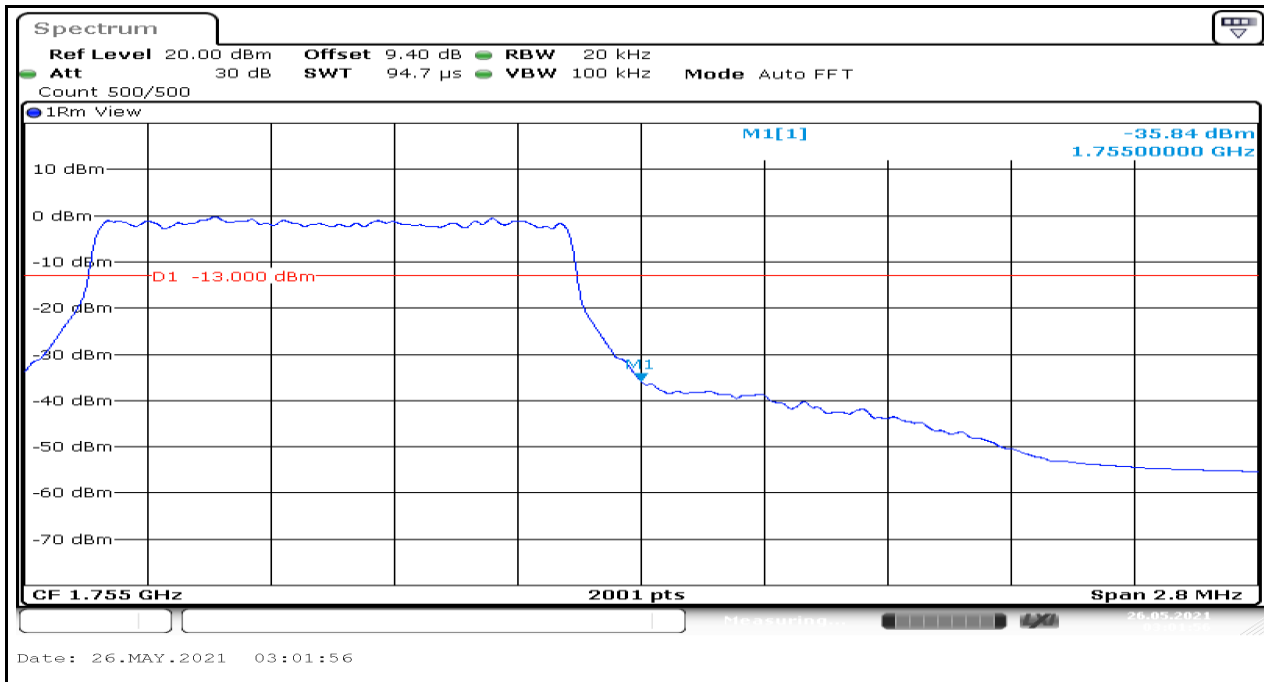
Band4-1.4MHz-16QAM-19957-6-0-Low--34.32-PASS



Band4-1.4MHz-16QAM-20393-1-5-Low--30.59-PASS



Band4-1.4MHz-16QAM-20393-6-0-Low--35.84-PASS



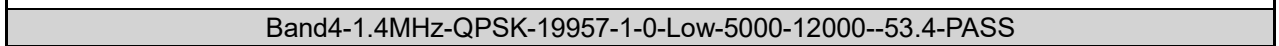
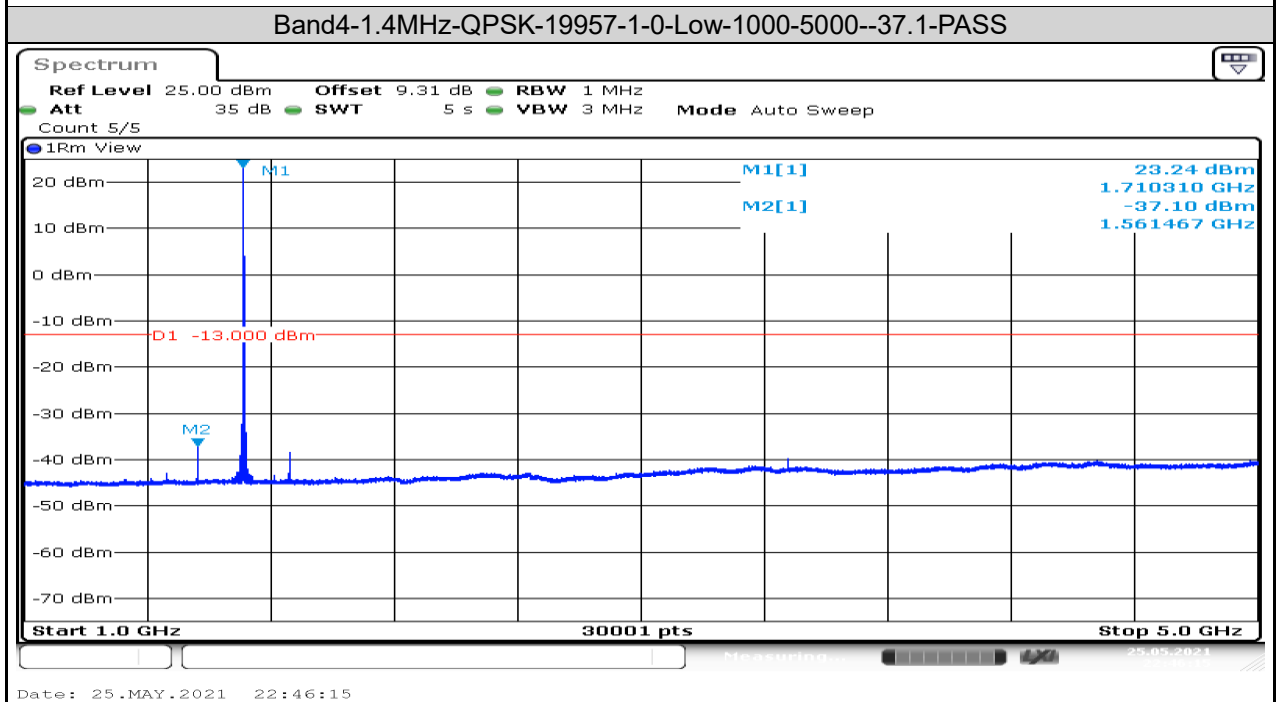
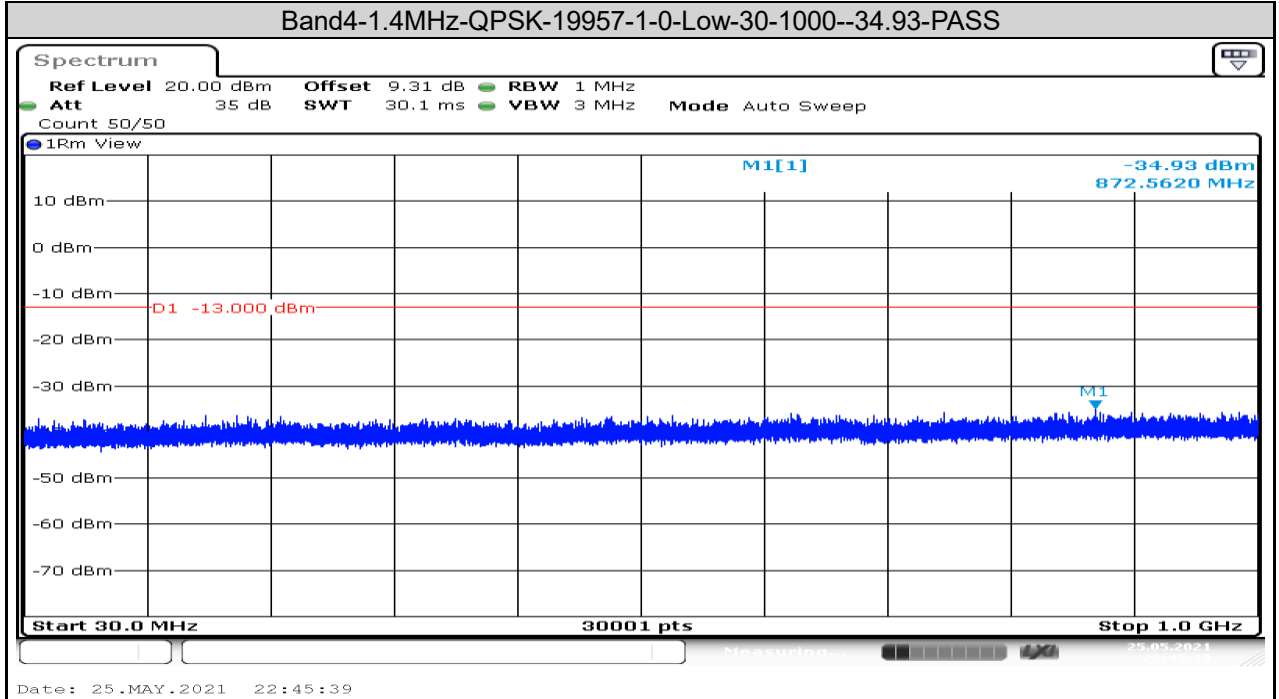
APPENDIX B.5: CONDUCTED SPURIOUS EMISSION FOR M1

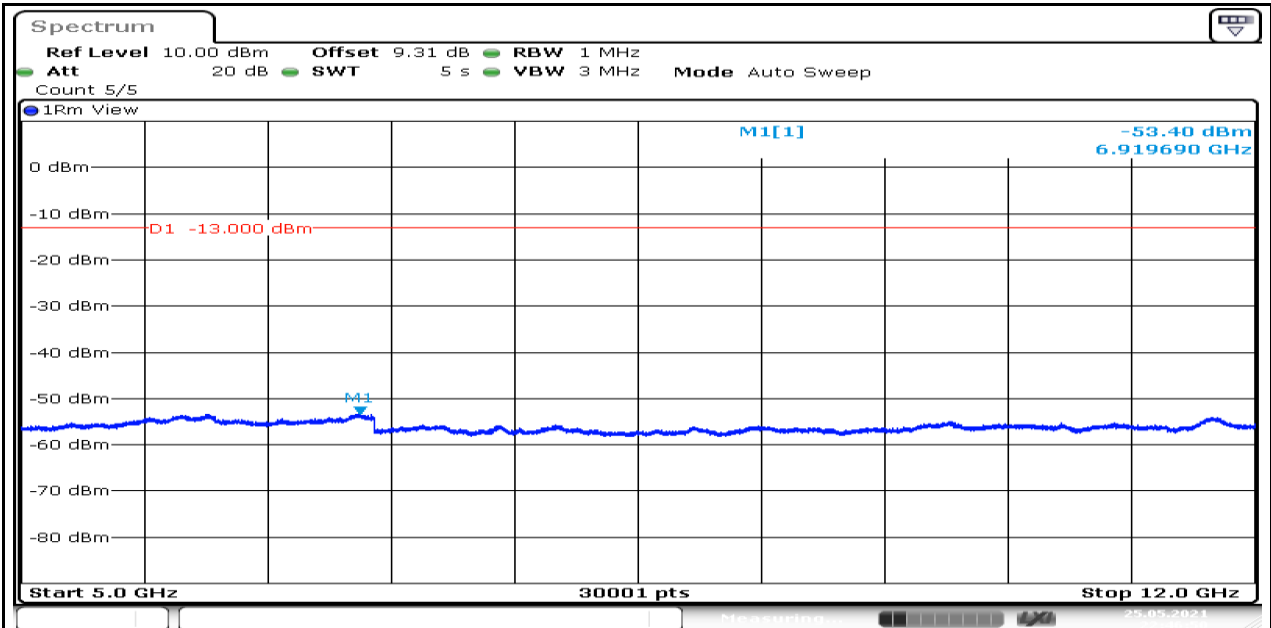
Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	30	1000	-34.93	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	1000	5000	-37.1	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	5000	12000	-53.4	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	12000	26500	-49.28	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	30	1000	-34.75	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	1000	5000	-39.06	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	5000	12000	-53.32	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	12000	26500	-49.27	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	30	1000	-35.31	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	1000	5000	-36.89	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	5000	12000	-53.15	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	12000	26500	-49.26	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	30	1000	-35.02	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	1000	5000	-39.3	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	5000	12000	-53.33	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	12000	26500	-49.14	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	30	1000	-33.9	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	1000	5000	-36.12	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	5000	12000	-53.23	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	12000	26500	-49.19	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	30	1000	-35.56	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	1000	5000	-38.49	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	5000	12000	-53.17	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	12000	26500	-49.27	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	30	1000	-34.96	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	1000	5000	-36.86	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	5000	12000	-53.33	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	12000	26500	-49.32	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	30	1000	-35.5	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	1000	5000	-39.43	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	5000	12000	-53.3	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	12000	26500	-49.38	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	30	1000	-35.62	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	1000	5000	-36.9	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	5000	12000	-53.36	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	12000	26500	-49.34	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	30	1000	-35.01	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	1000	5000	-38.91	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	5000	12000	-53.23	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	12000	26500	-49.26	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	30	1000	-34.42	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	1000	5000	-36.09	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	5000	12000	-53.21	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	12000	26500	-49.06	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	30	1000	-35.11	PASS

Band4	1.4MHz	20393	16QAM	6	0	Low	1000	5000	-38.17	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	5000	12000	-53.25	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	12000	26500	-49.12	PASS

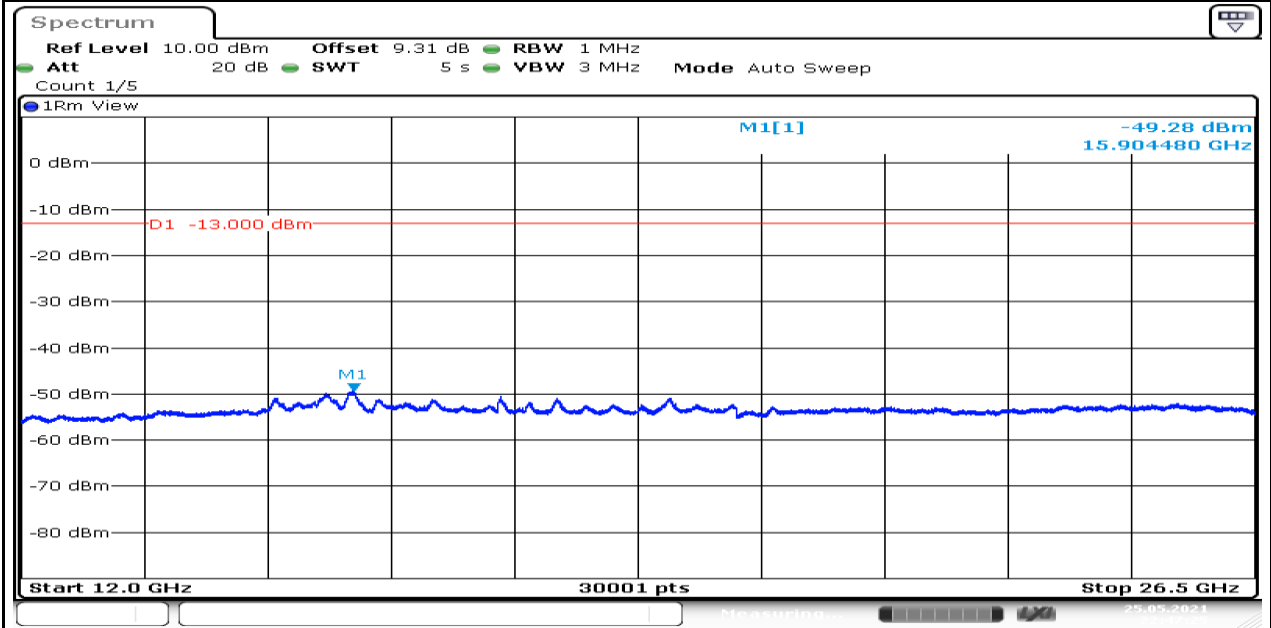
Test Graphs





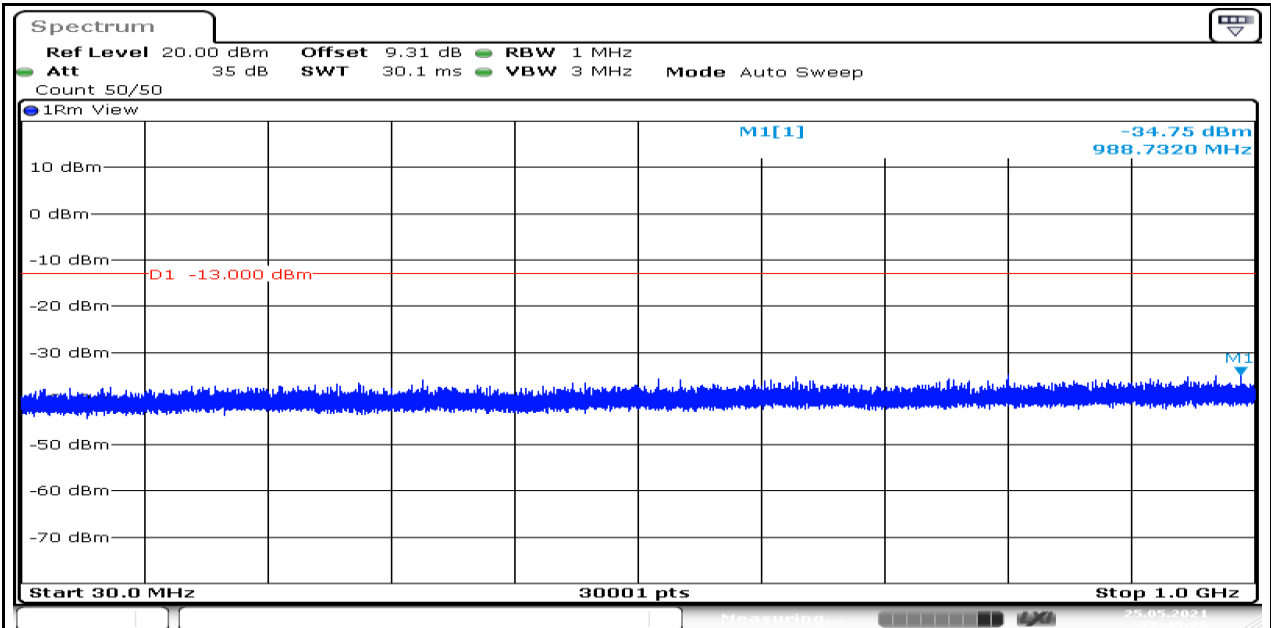
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Band4-1.4MHz-QPSK-19957-1-0-Low-12000-26500--49.28-PASS

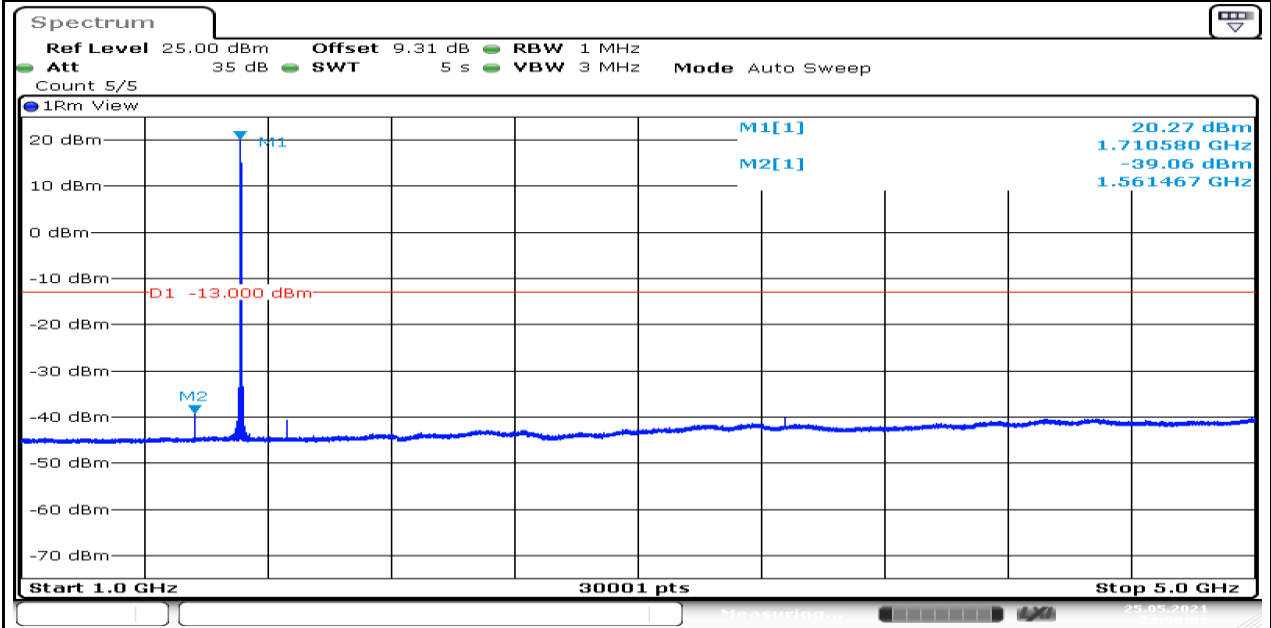


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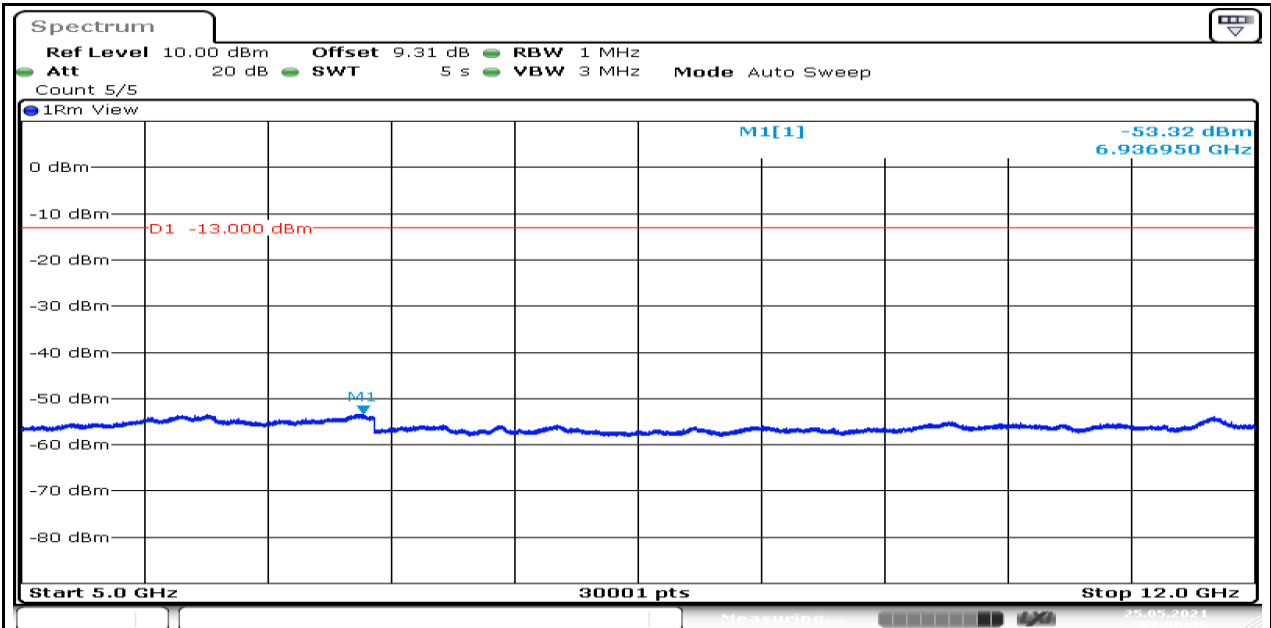
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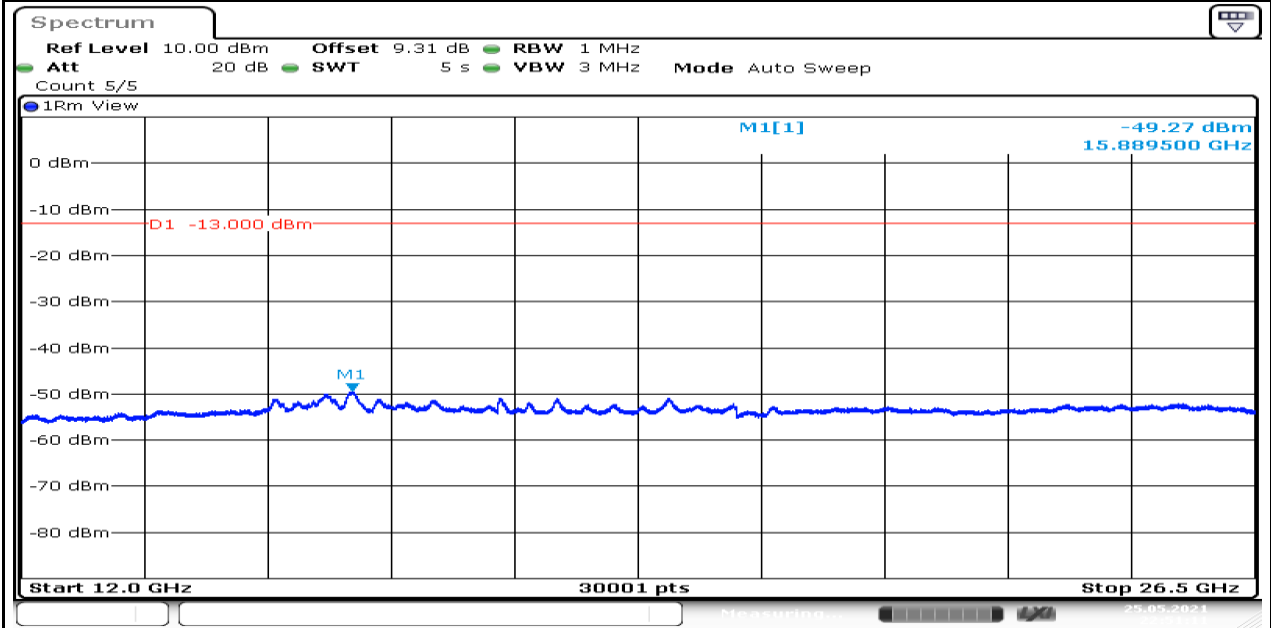
Band4-1.4MHz-QPSK-19957-6-0-Low-1000-5000--39.06-PASS



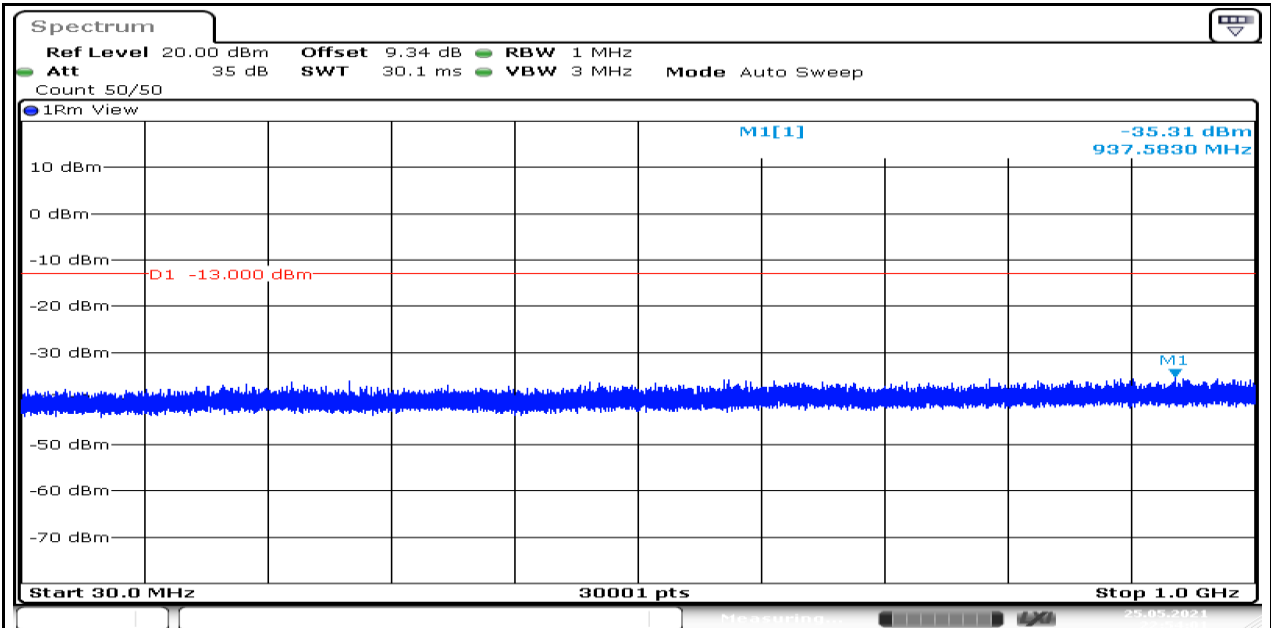
Band4-1.4MHz-QPSK-19957-6-0-Low-5000-12000--53.32-PASS



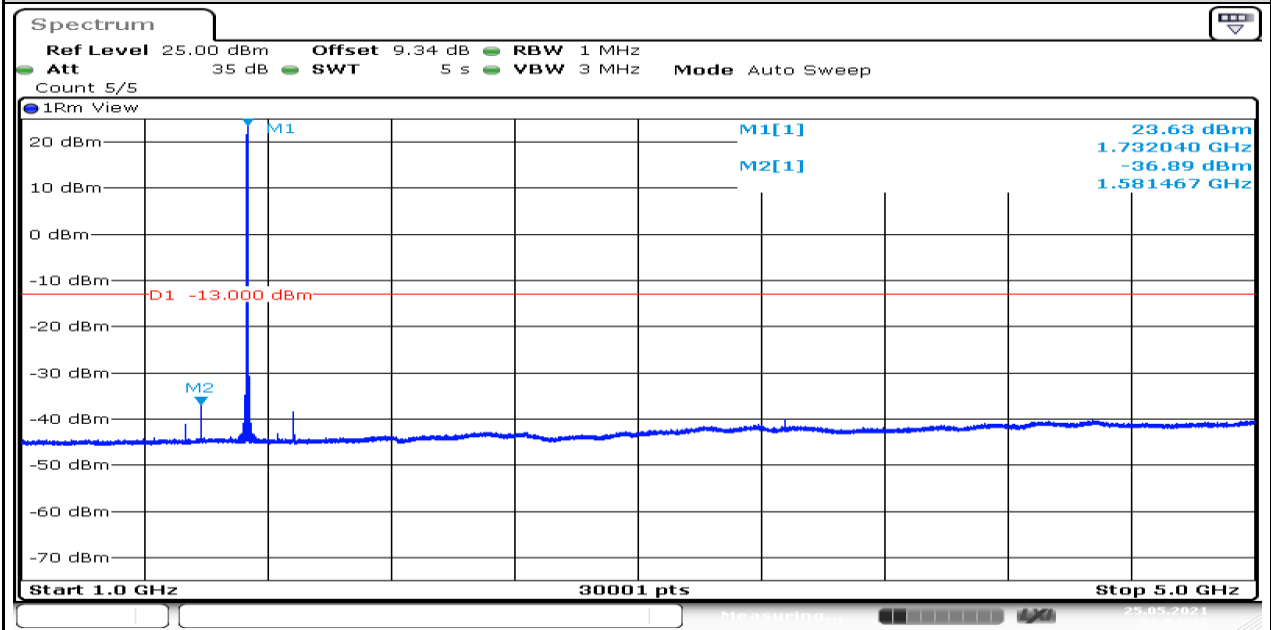
Band4-1.4MHz-QPSK-19957-6-0-Low-12000-26500--49.27-PASS



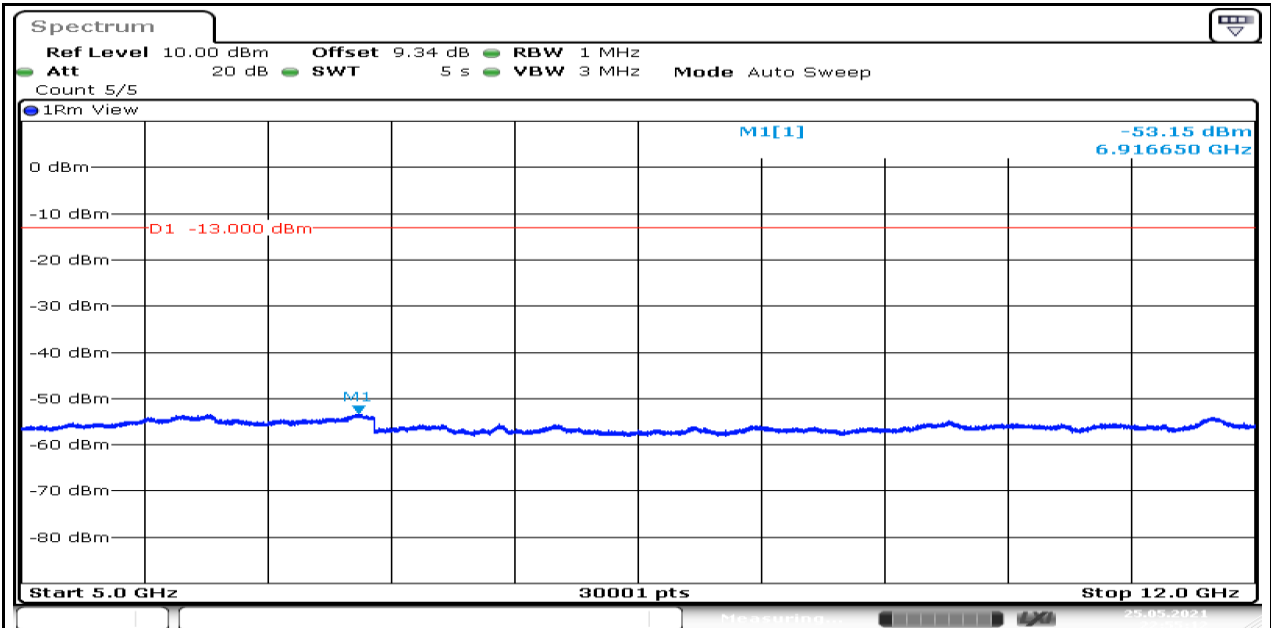
Band4-1.4MHz-QPSK-20175-1-0-Low-30-1000--35.31-PASS



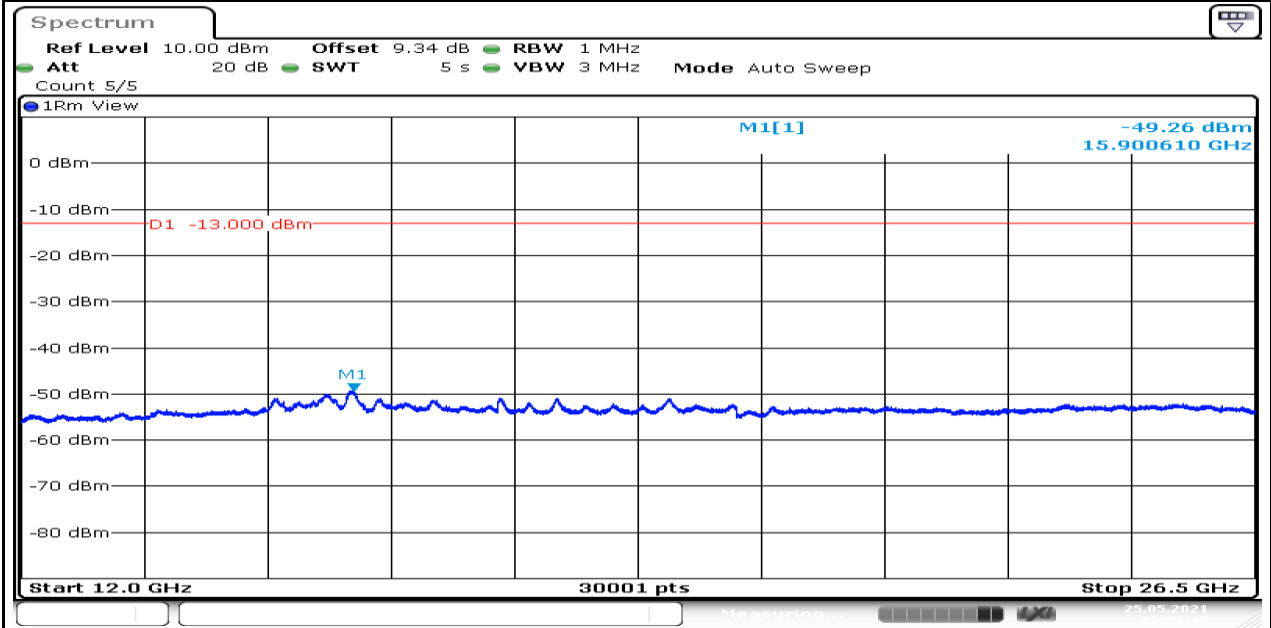
Band4-1.4MHz-QPSK-20175-1-0-Low-1000-5000--36.89-PASS



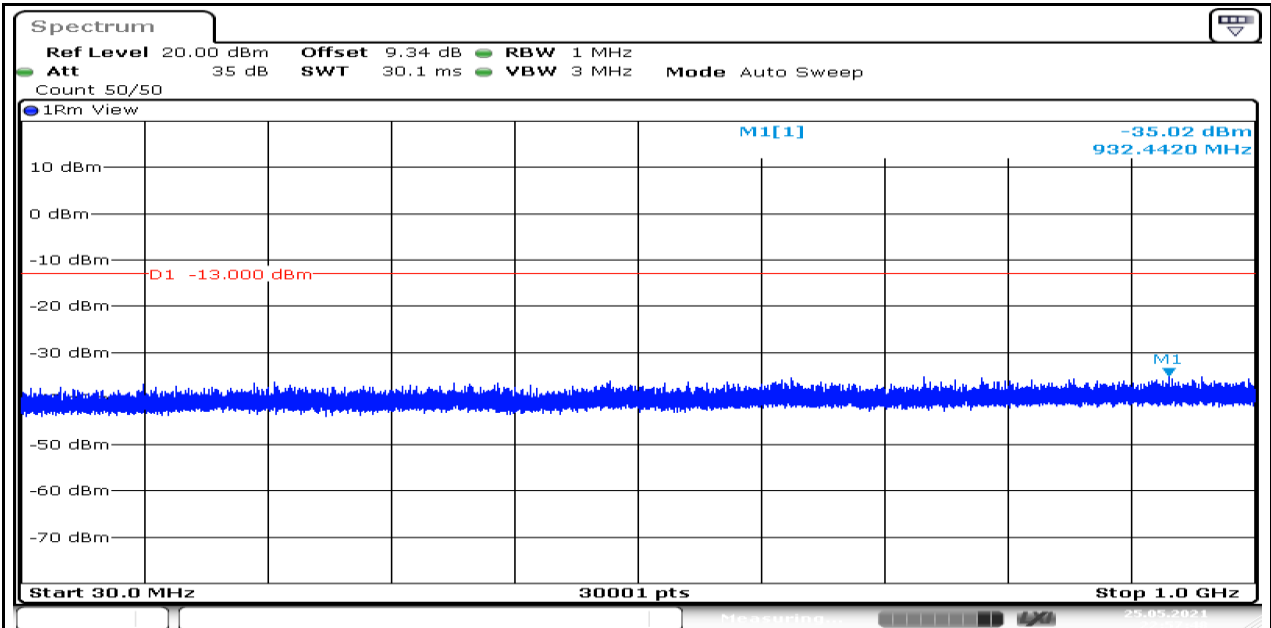
Band4-1.4MHz-QPSK-20175-1-0-Low-5000-12000--53.15-PASS



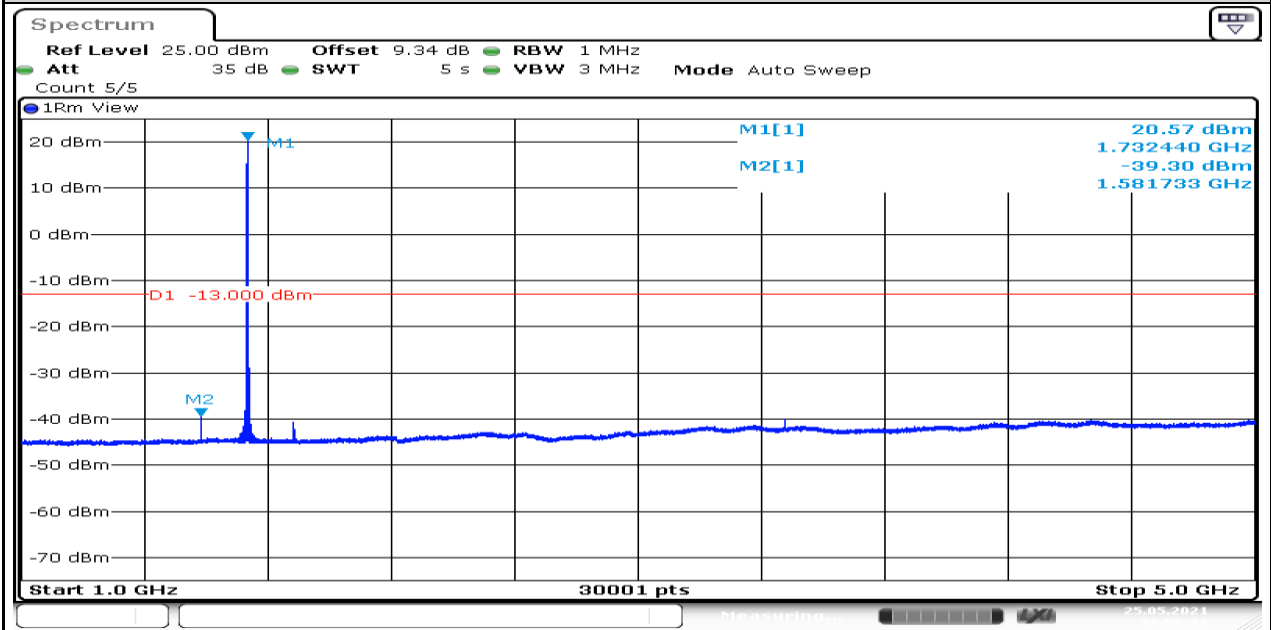
Band4-1.4MHz-QPSK-20175-1-0-Low-12000-26500--49.26-PASS



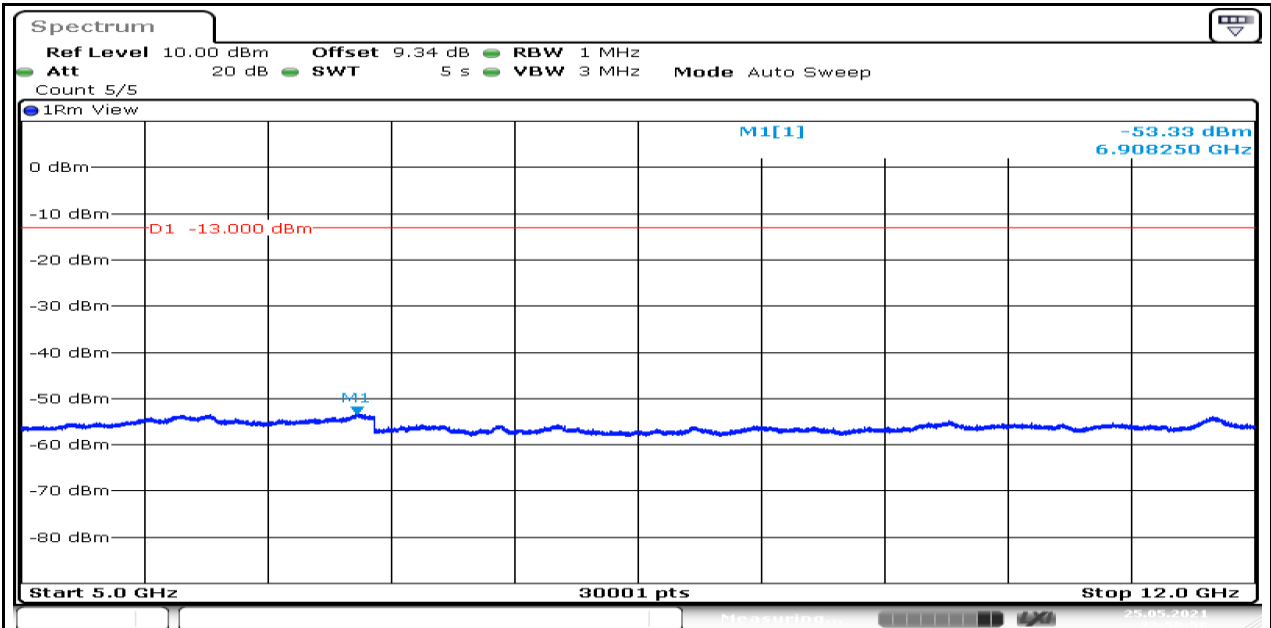
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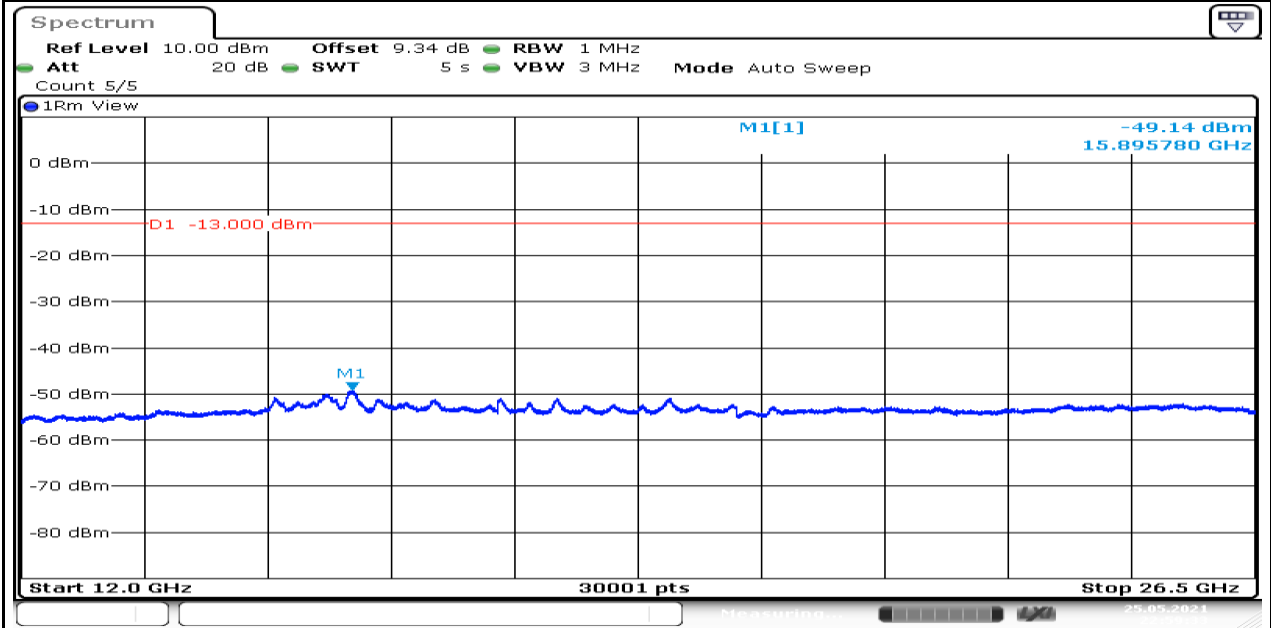
Band4-1.4MHz-QPSK-20175-6-0-Low-1000-5000--39.3-PASS



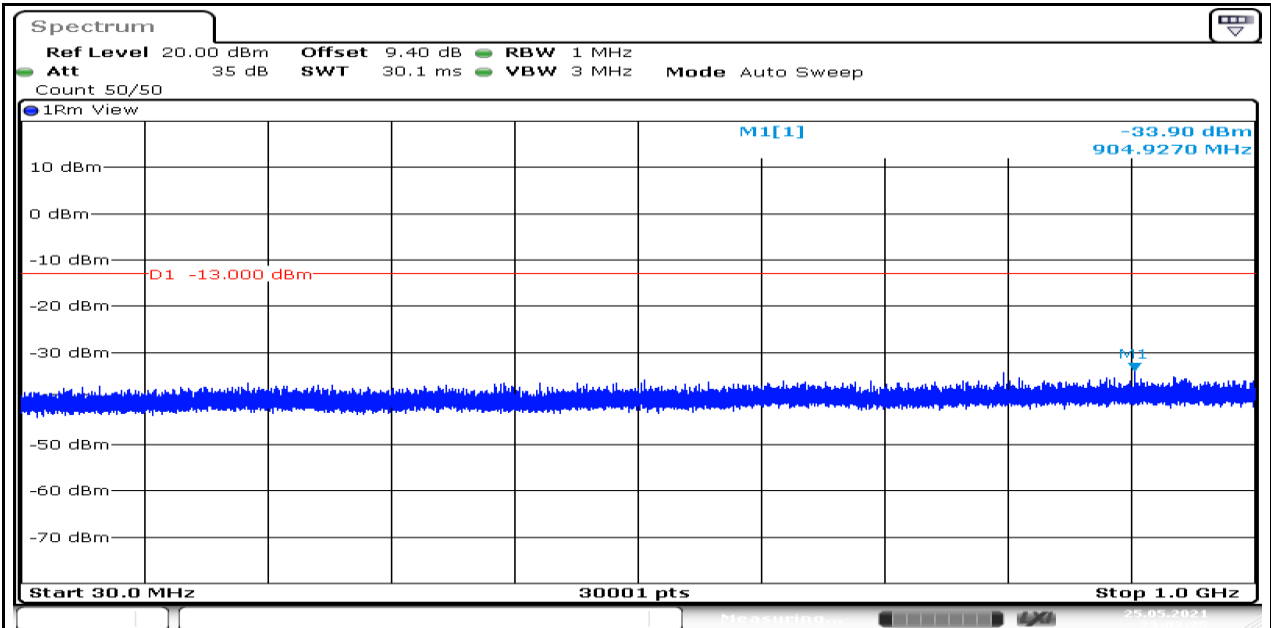
Band4-1.4MHz-QPSK-20175-6-0-Low-5000-12000--53.33-PASS



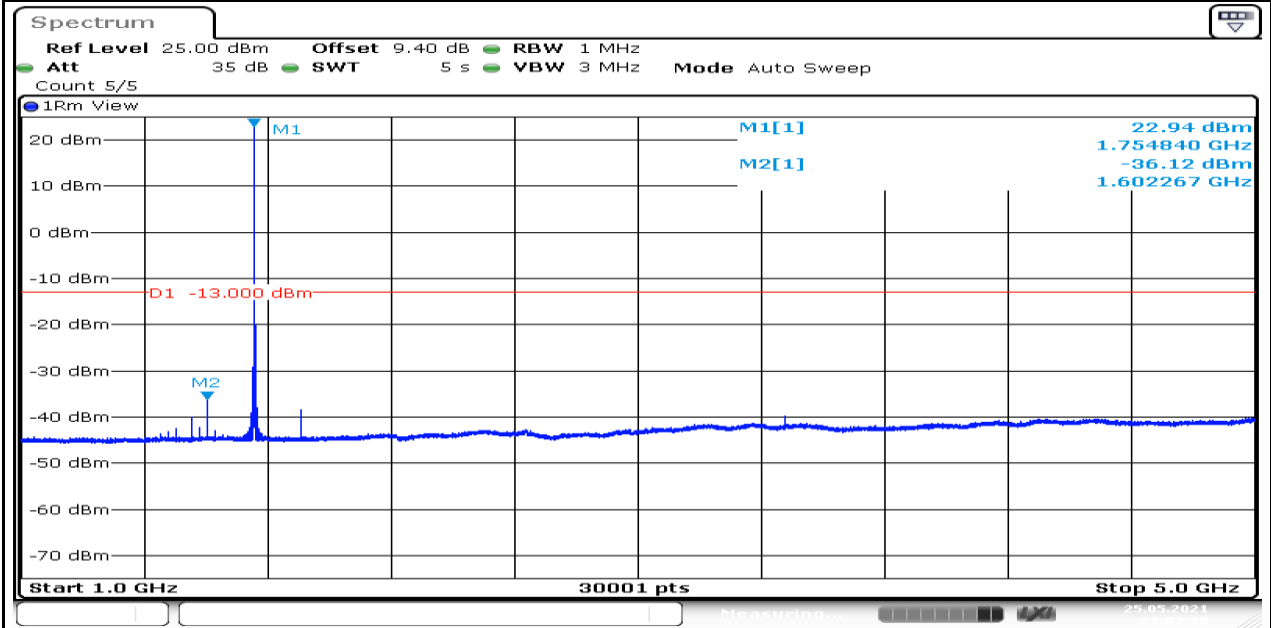
Band4-1.4MHz-QPSK-20175-6-0-Low-12000-26500--49.14-PASS



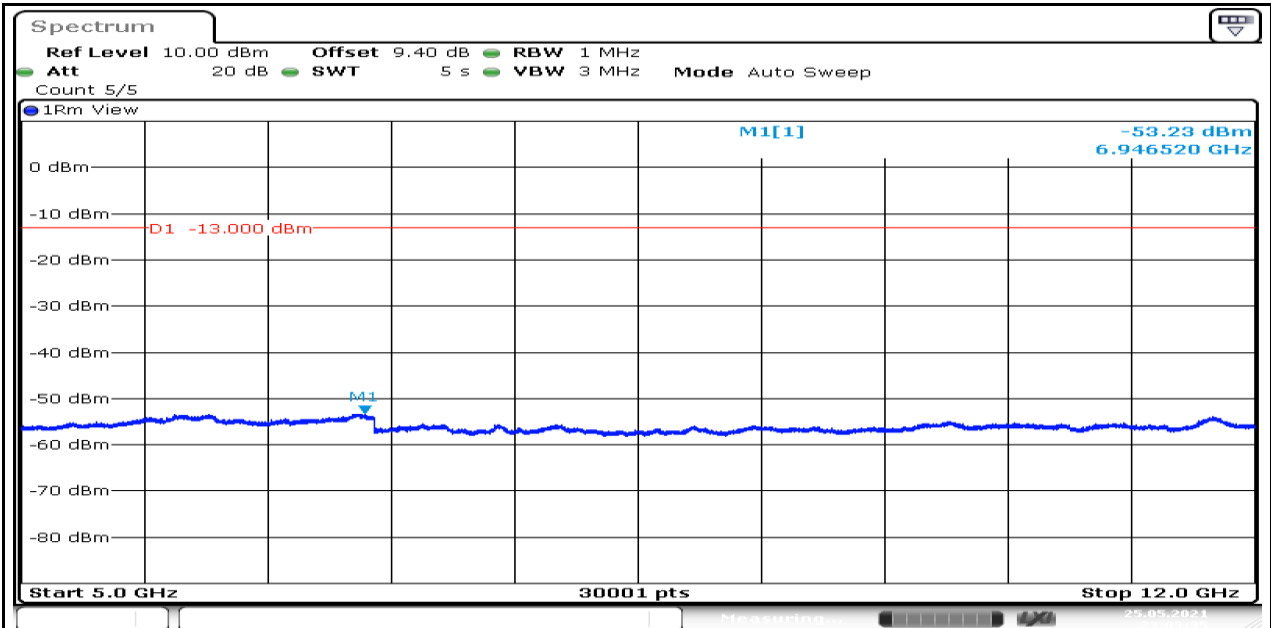
Band4-1.4MHz-QPSK-20393-1-5-Low-30-1000--33.9-PASS



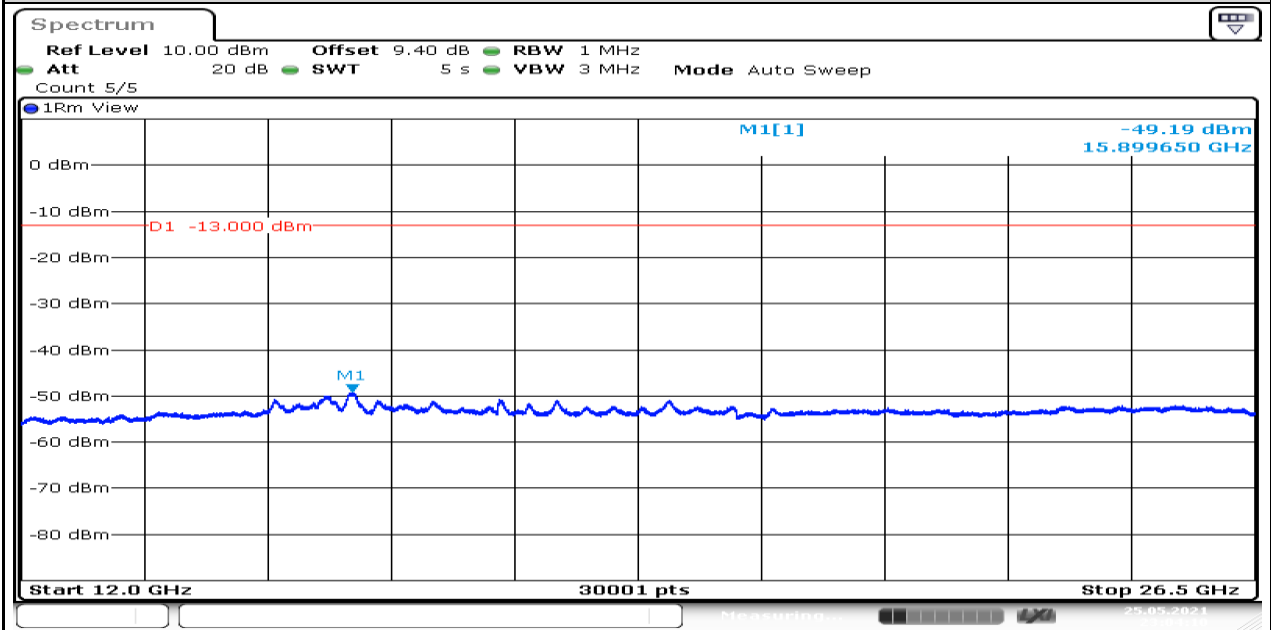
Band4-1.4MHz-QPSK-20393-1-5-Low-1000-5000--36.12-PASS



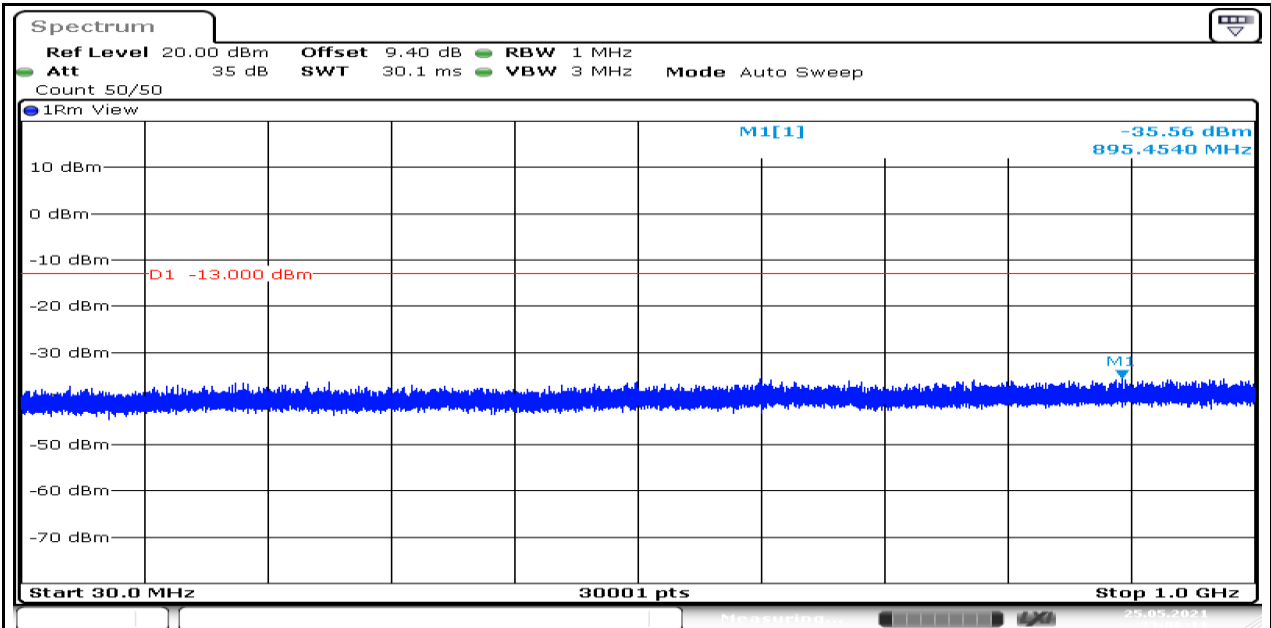
Band4-1.4MHz-QPSK-20393-1-5-Low-5000-12000--53.23-PASS



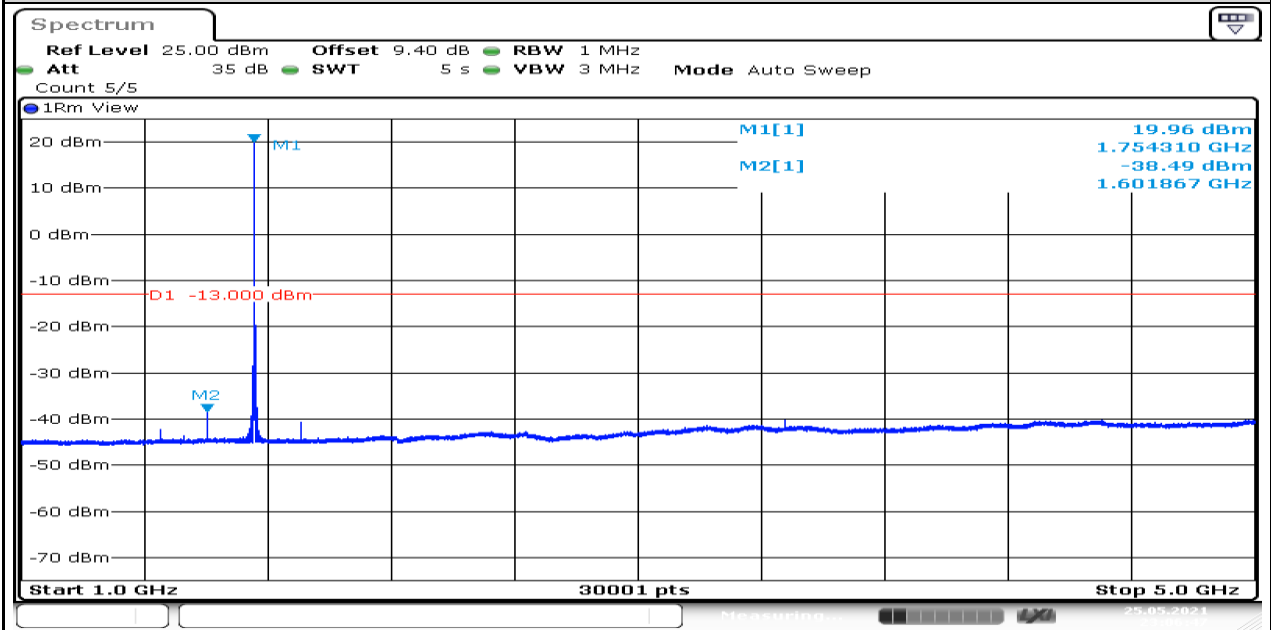
Band4-1.4MHz-QPSK-20393-1-5-Low-12000-26500--49.19-PASS



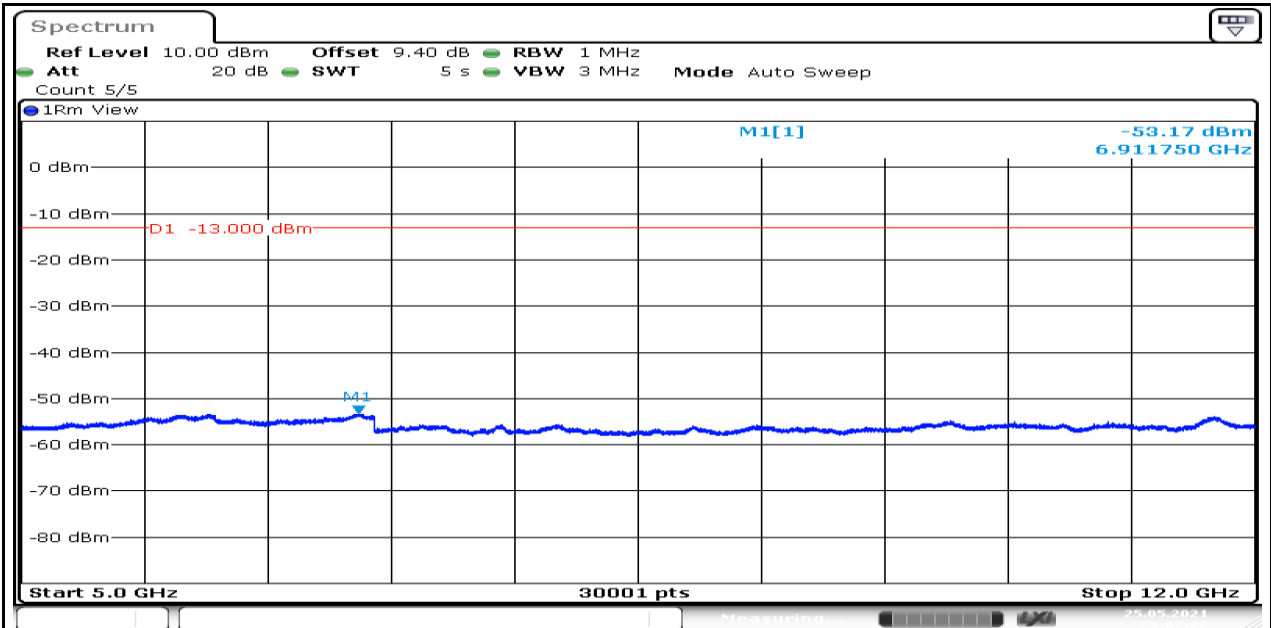
Band4-1.4MHz-QPSK-20393-6-0-Low-30-1000--35.56-PASS



Band4-1.4MHz-QPSK-20393-6-0-Low-1000-5000--38.49-PASS

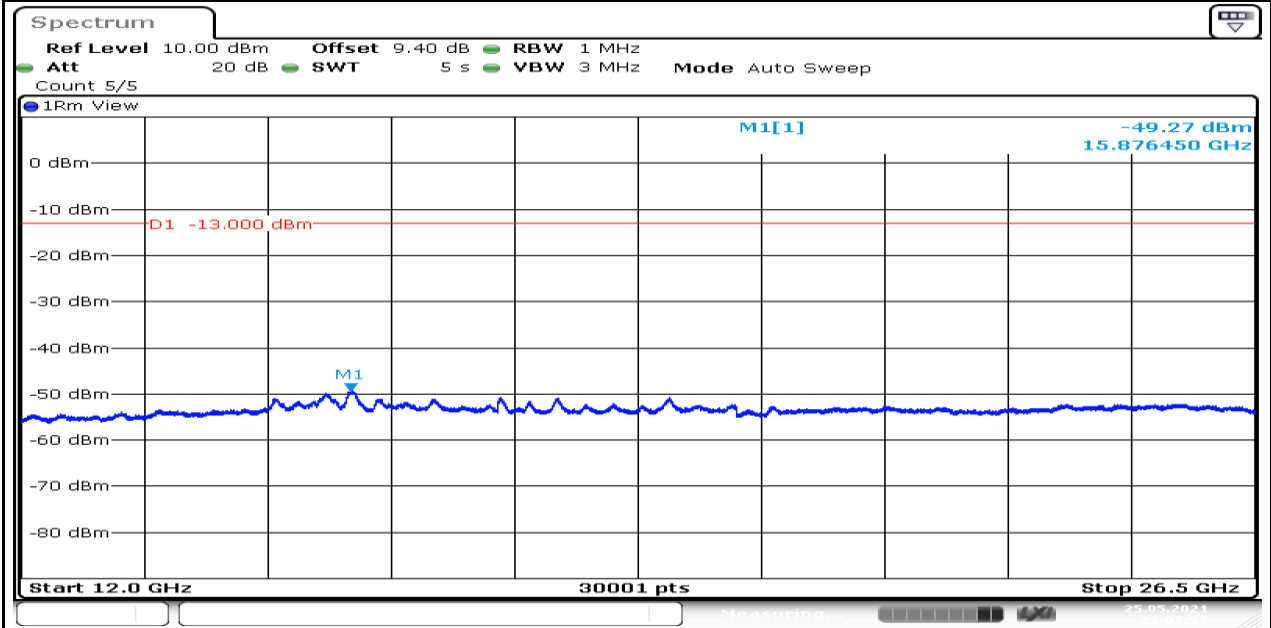


Band4-1.4MHz-QPSK-20393-6-0-Low-5000-12000--53.17-PASS



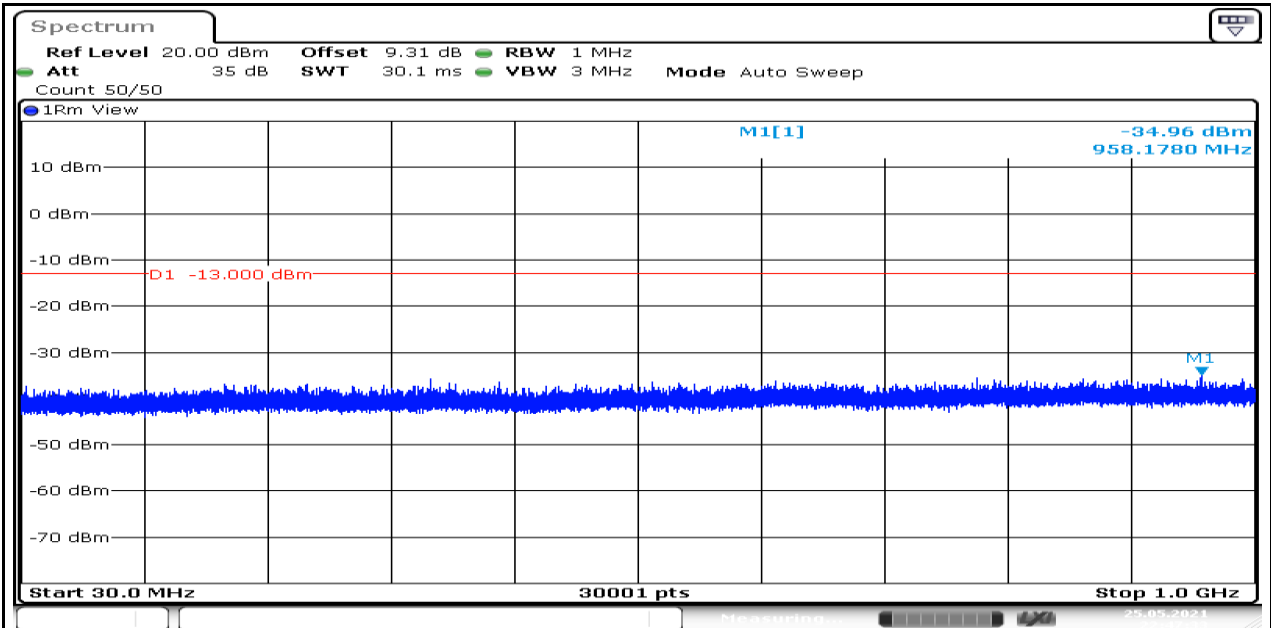
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Band4-1.4MHz-QPSK-20393-6-0-Low-12000-26500--49.27-PASS

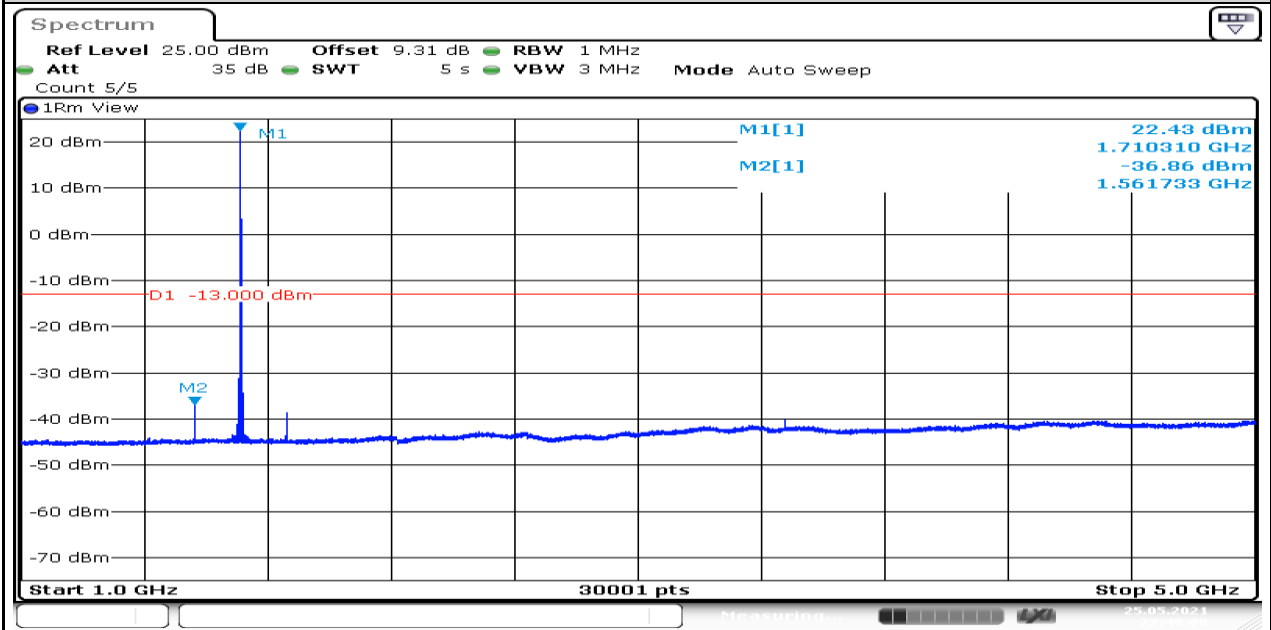


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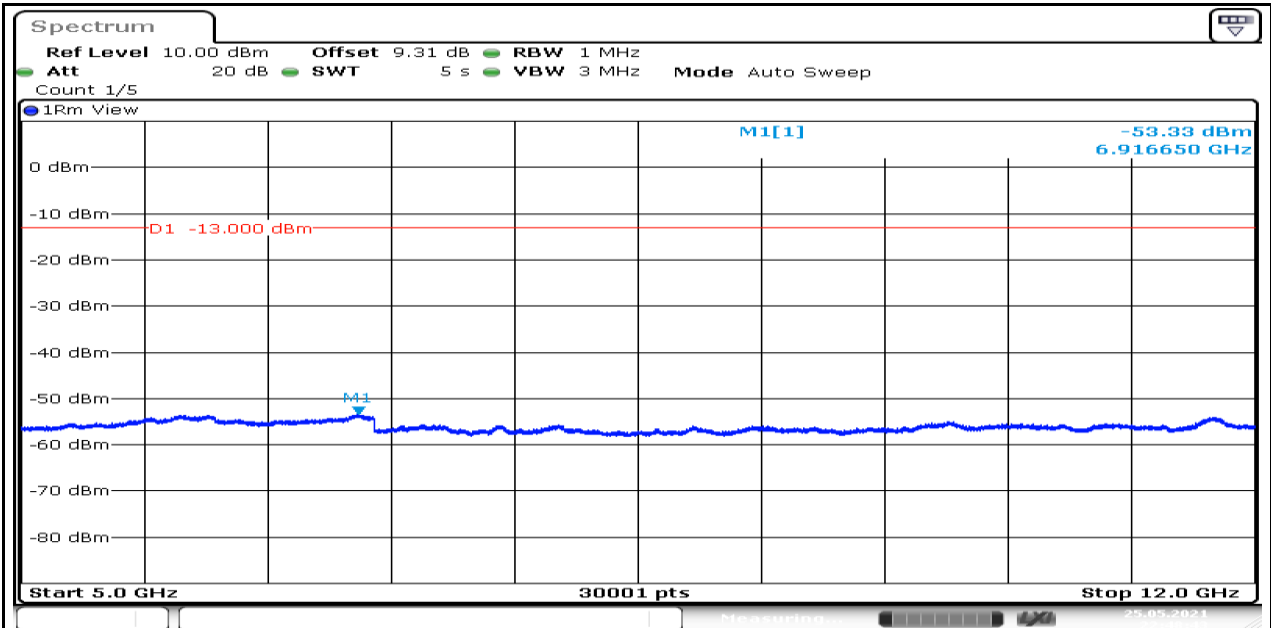
Band4-1.4MHz-16QAM-19957-1-0-Low-30-1000--34.96-PASS



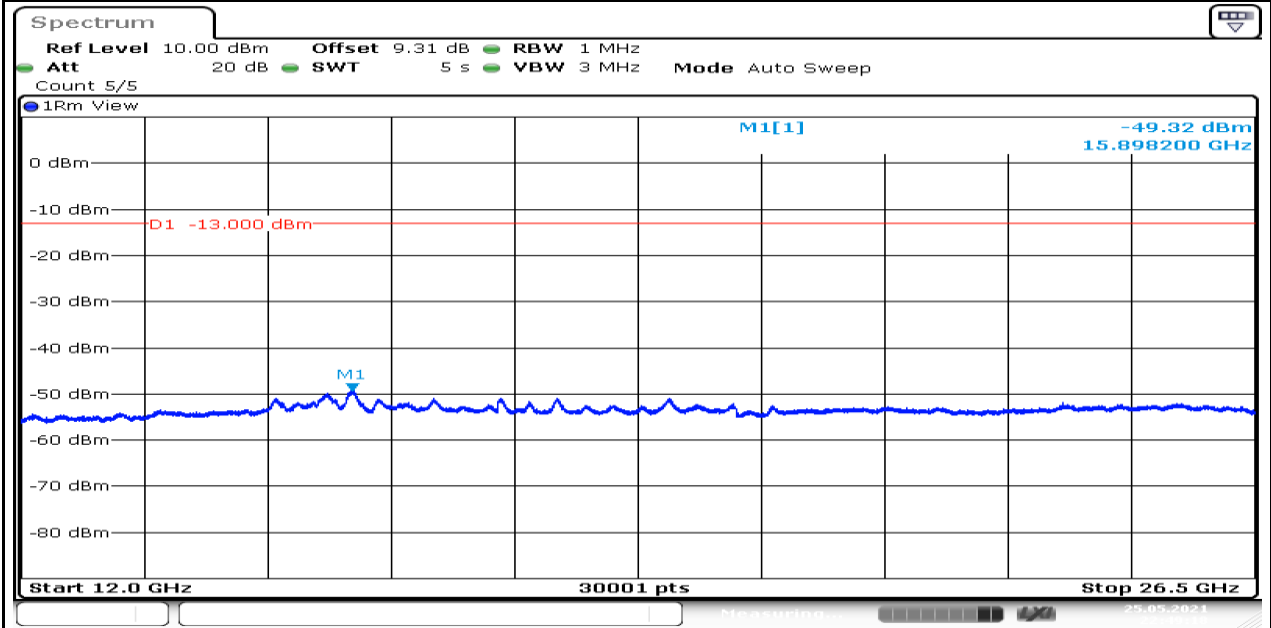
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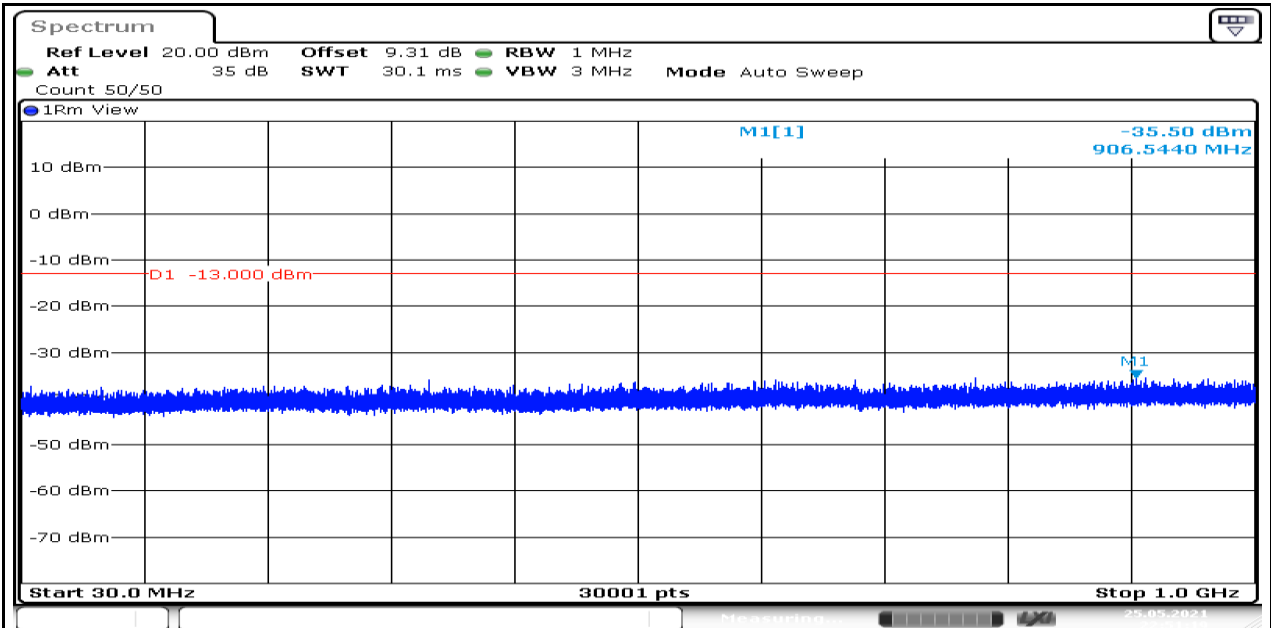
Band4-1.4MHz-16QAM-19957-1-0-Low-5000-12000--53.33-PASS



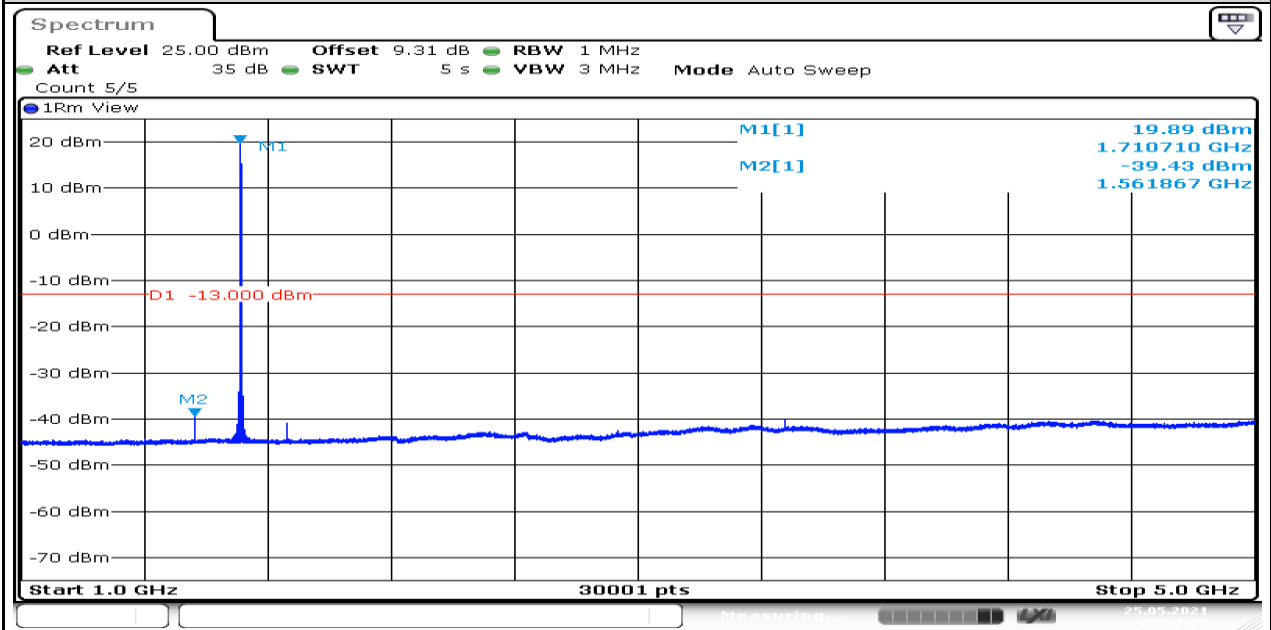
Band4-1.4MHz-16QAM-19957-1-0-Low-12000-26500--49.32-PASS



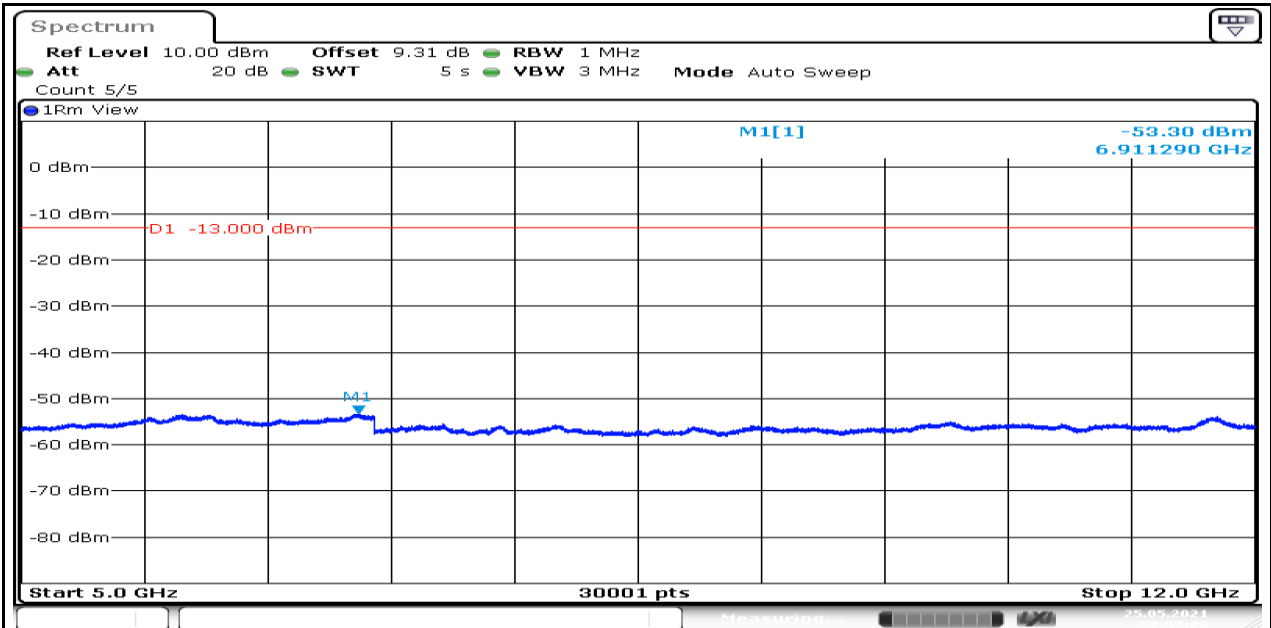
Band4-1.4MHz-16QAM-19957-6-0-Low-30-1000--35.5-PASS



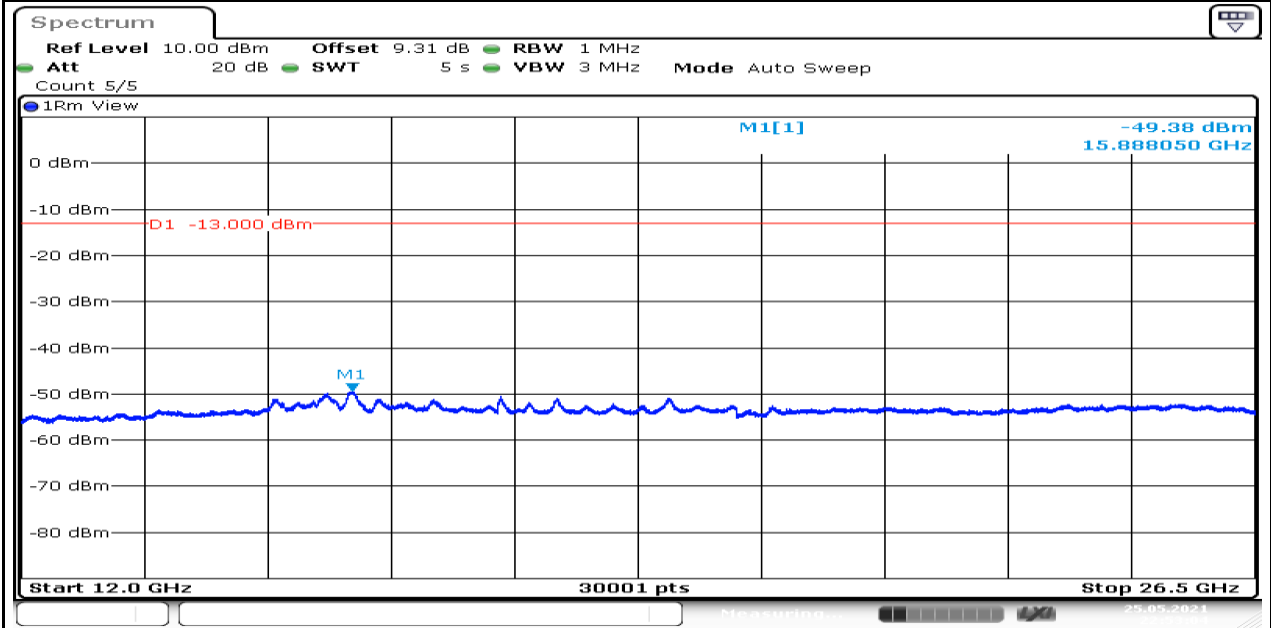
Band4-1.4MHz-16QAM-19957-6-0-Low-1000-5000--39.43-PASS



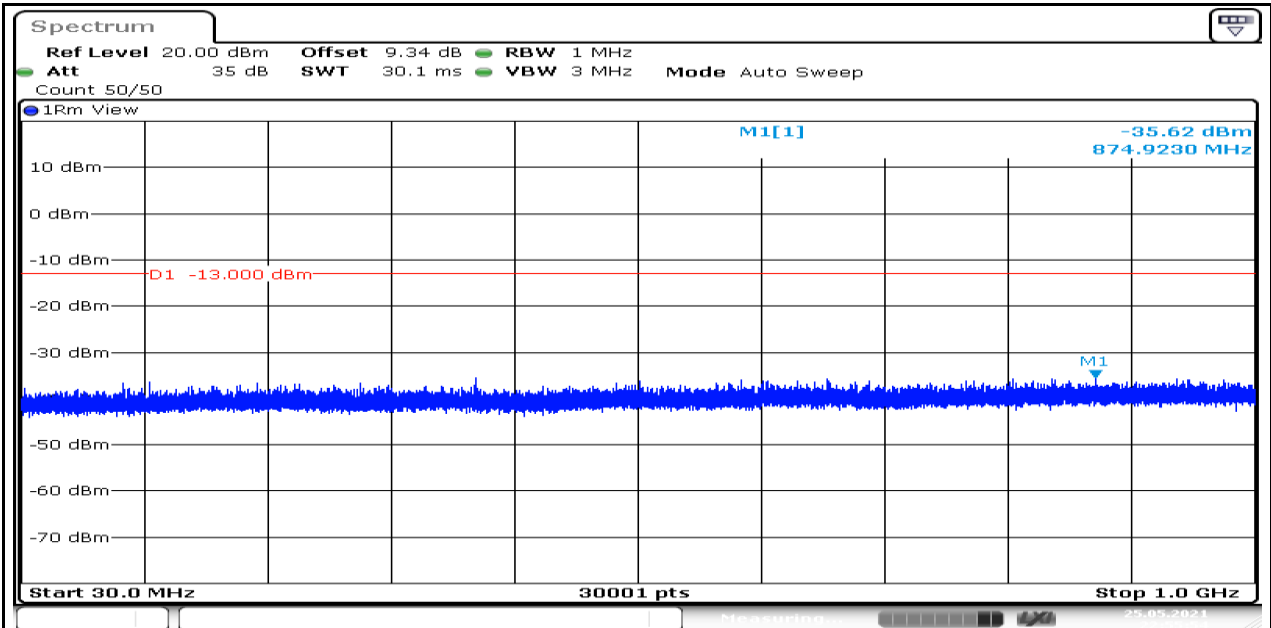
Band4-1.4MHz-16QAM-19957-6-0-Low-5000-12000--53.3-PASS



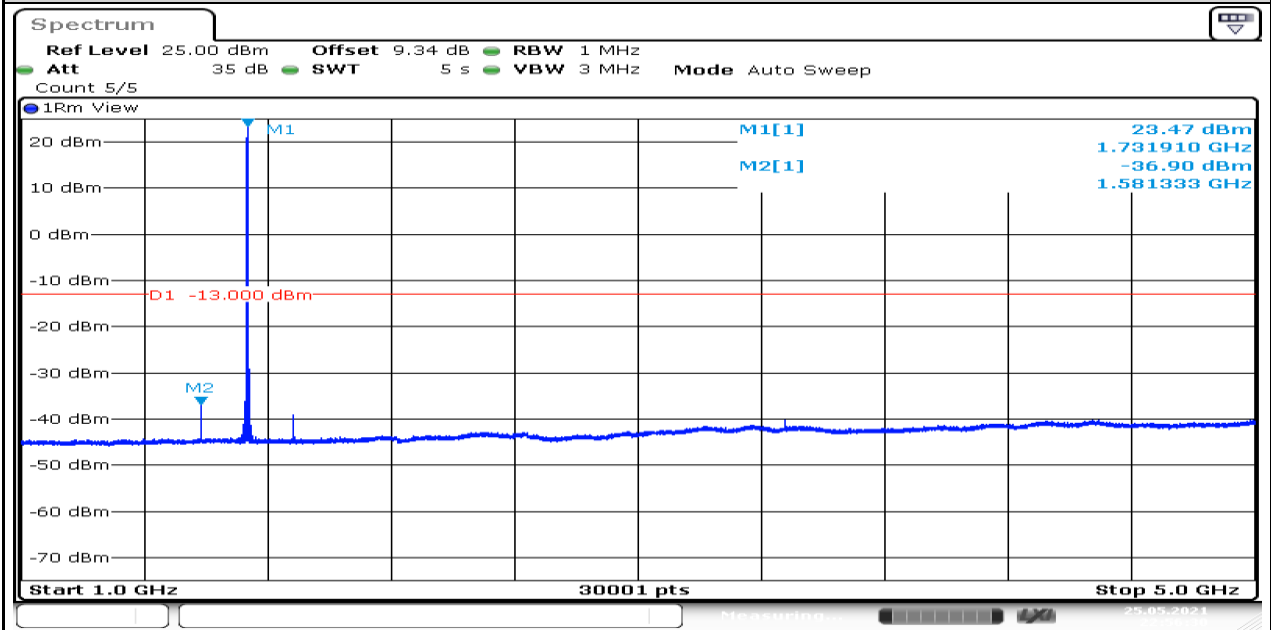
Band4-1.4MHz-16QAM-19957-6-0-Low-12000-26500--49.38-PASS



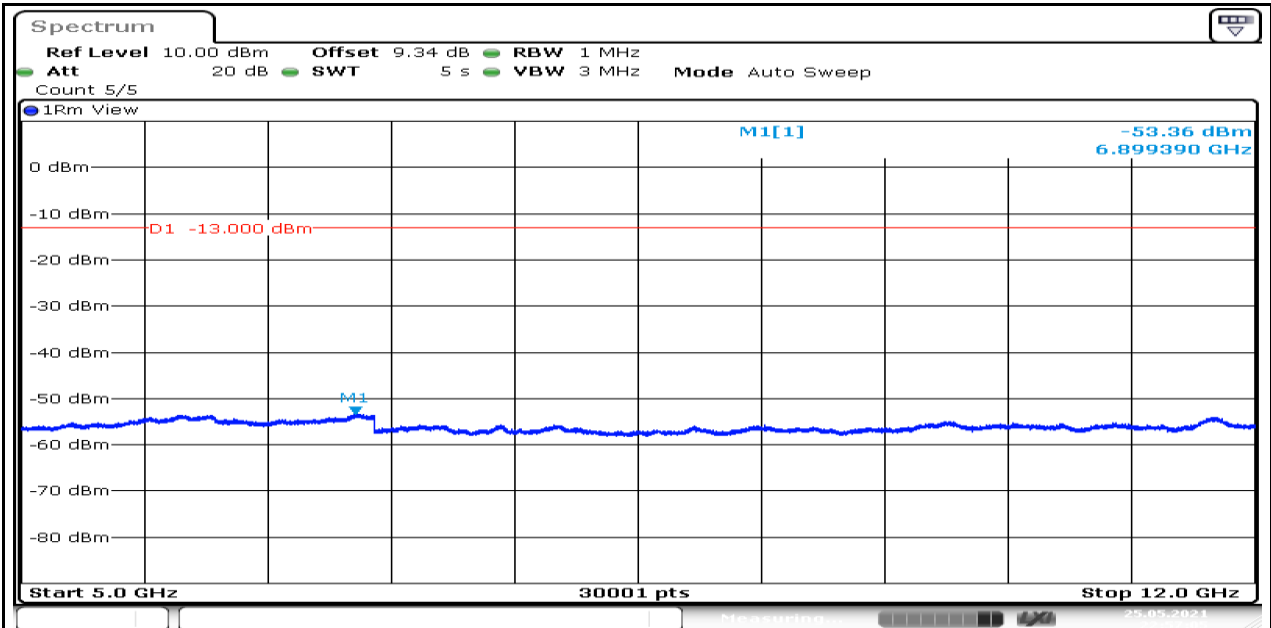
Band4-1.4MHz-16QAM-20175-1-0-Low-30-1000--35.62-PASS



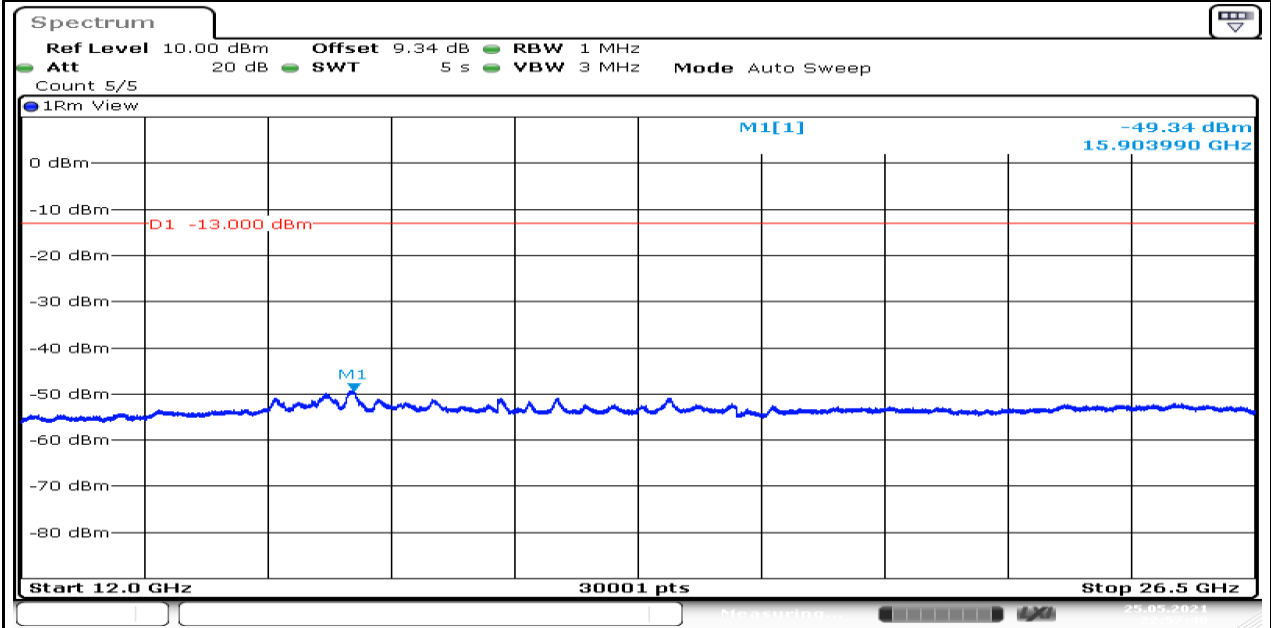
Band4-1.4MHz-16QAM-20175-1-0-Low-1000-5000--36.9-PASS



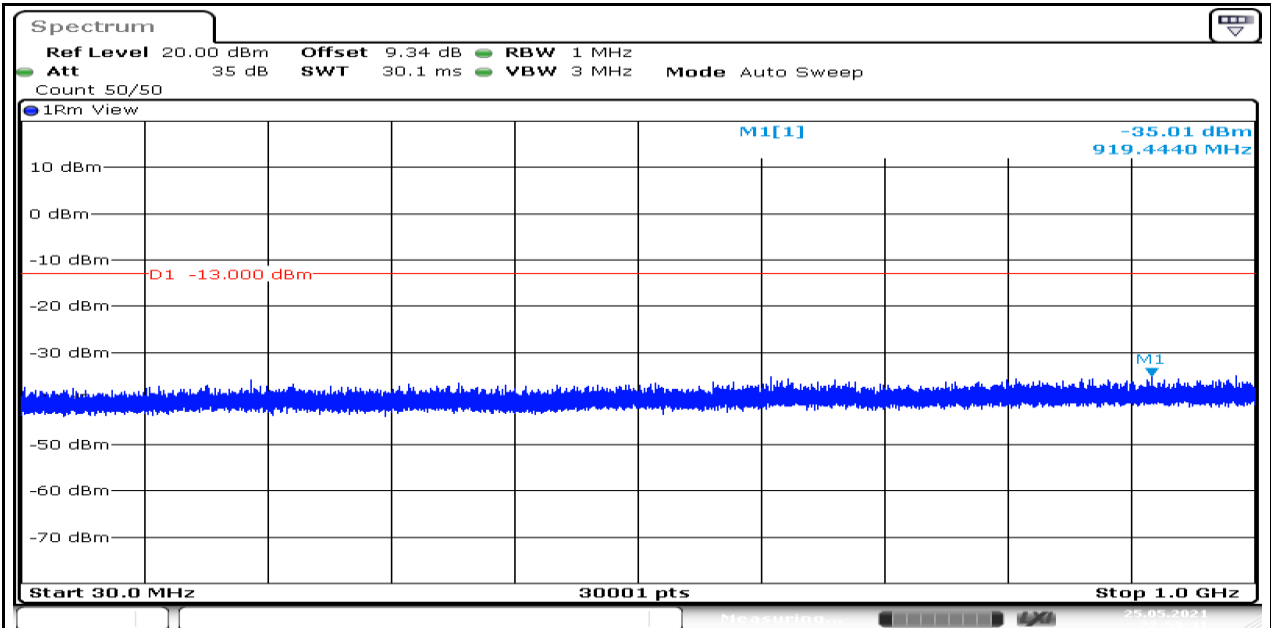
Band4-1.4MHz-16QAM-20175-1-0-Low-5000-12000--53.36-PASS



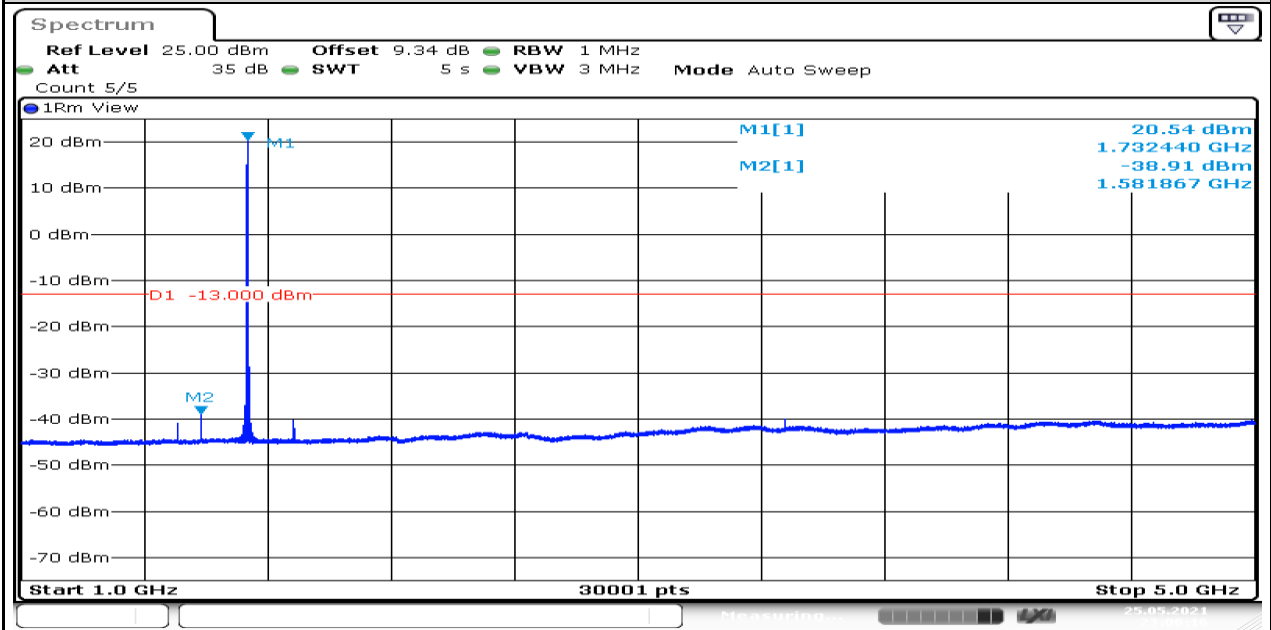
Band4-1.4MHz-16QAM-20175-1-0-Low-12000-26500--49.34-PASS



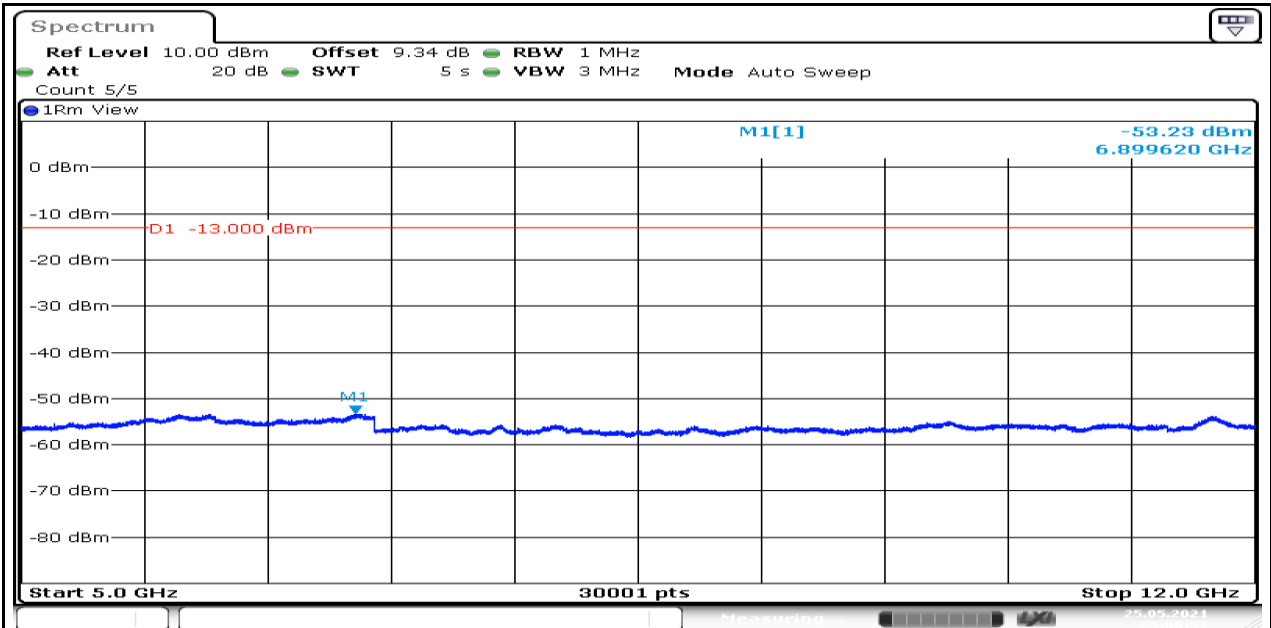
Band4-1.4MHz-16QAM-20175-6-0-Low-30-1000--35.01-PASS



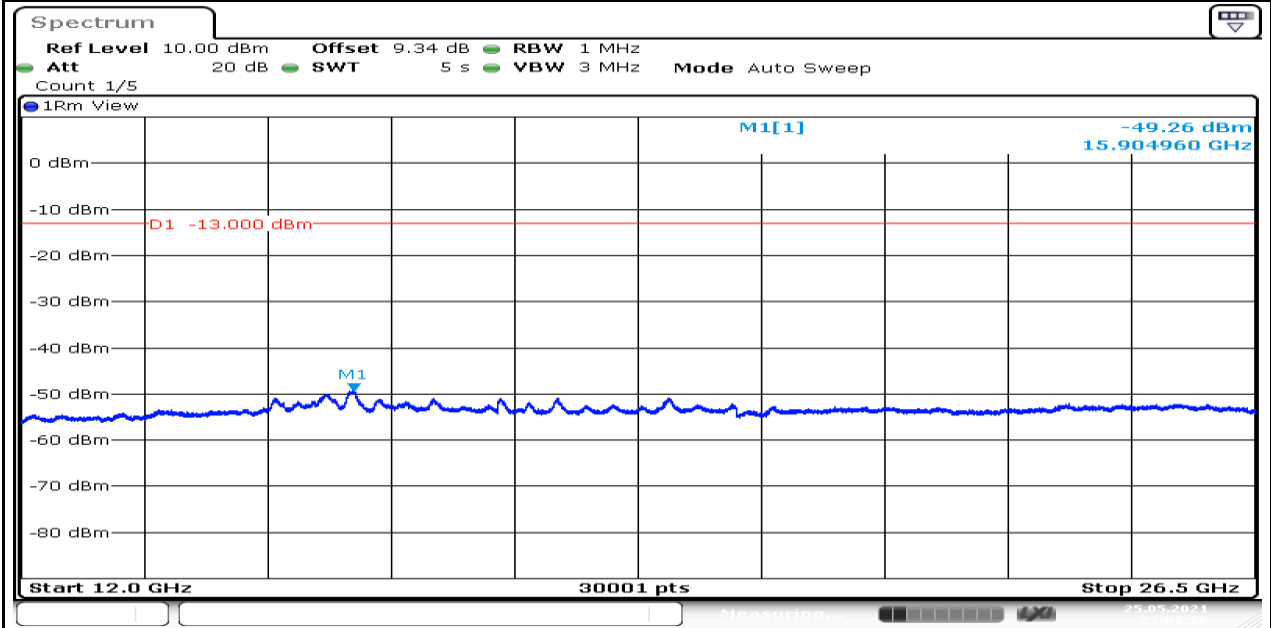
Band4-1.4MHz-16QAM-20175-6-0-Low-1000-5000--38.91-PASS



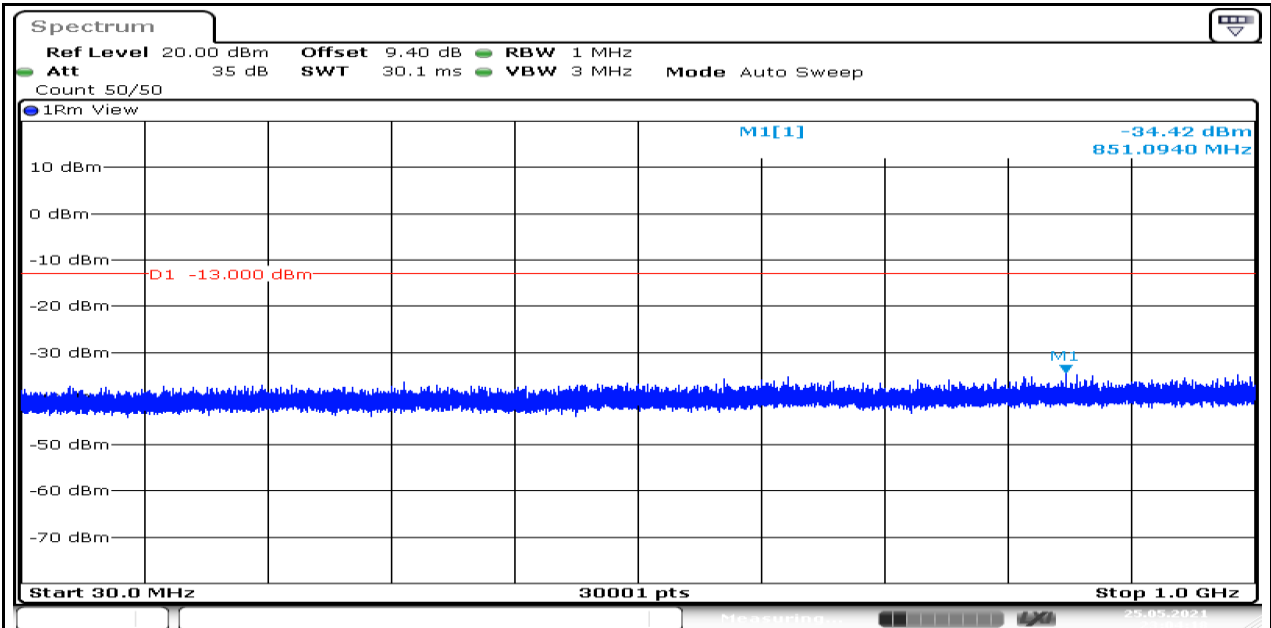
Band4-1.4MHz-16QAM-20175-6-0-Low-5000-12000--53.23-PASS



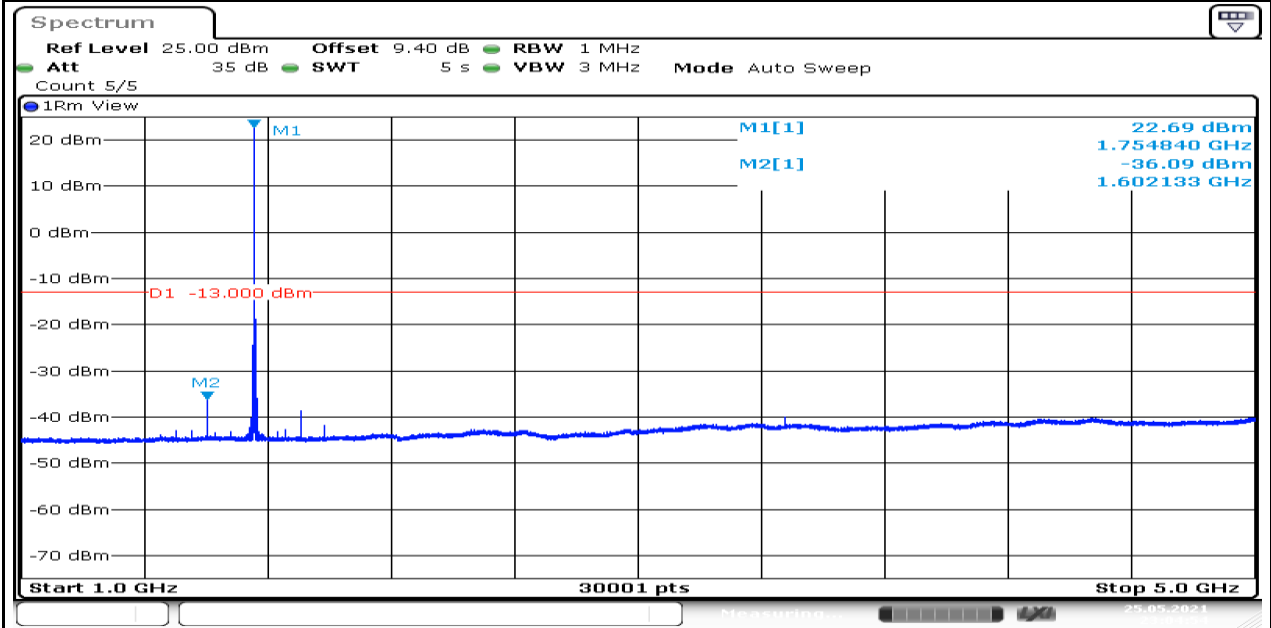
Band4-1.4MHz-16QAM-20175-6-0-Low-12000-26500--49.26-PASS



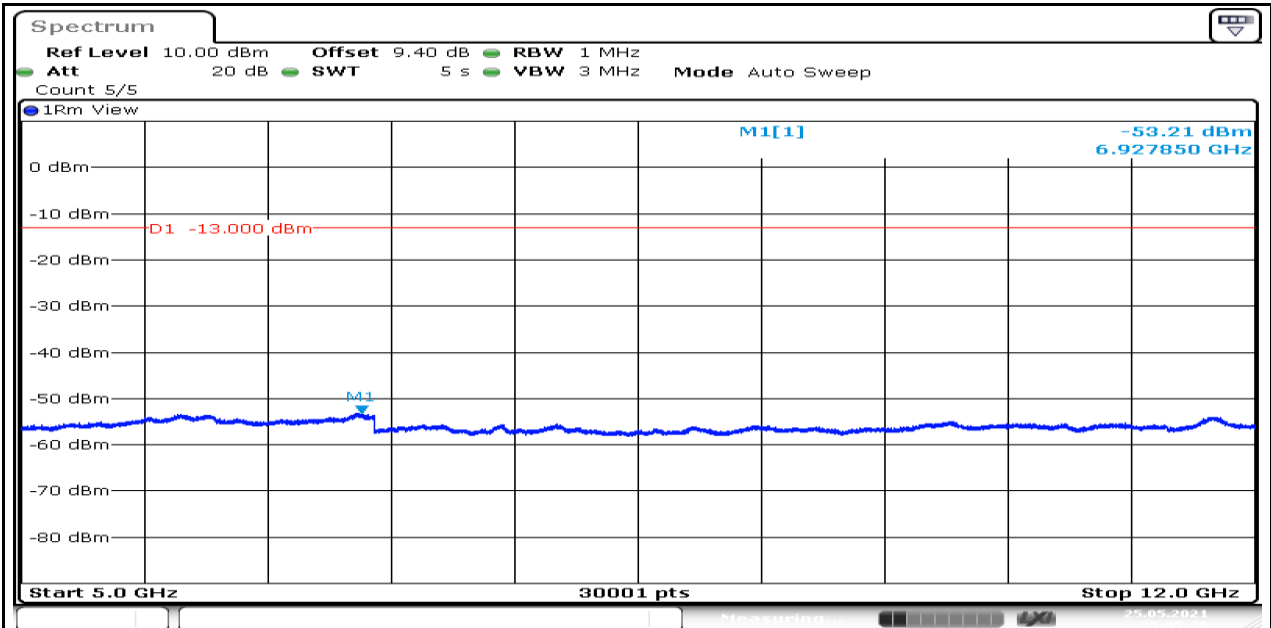
Band4-1.4MHz-16QAM-20393-1-5-Low-30-1000--34.42-PASS



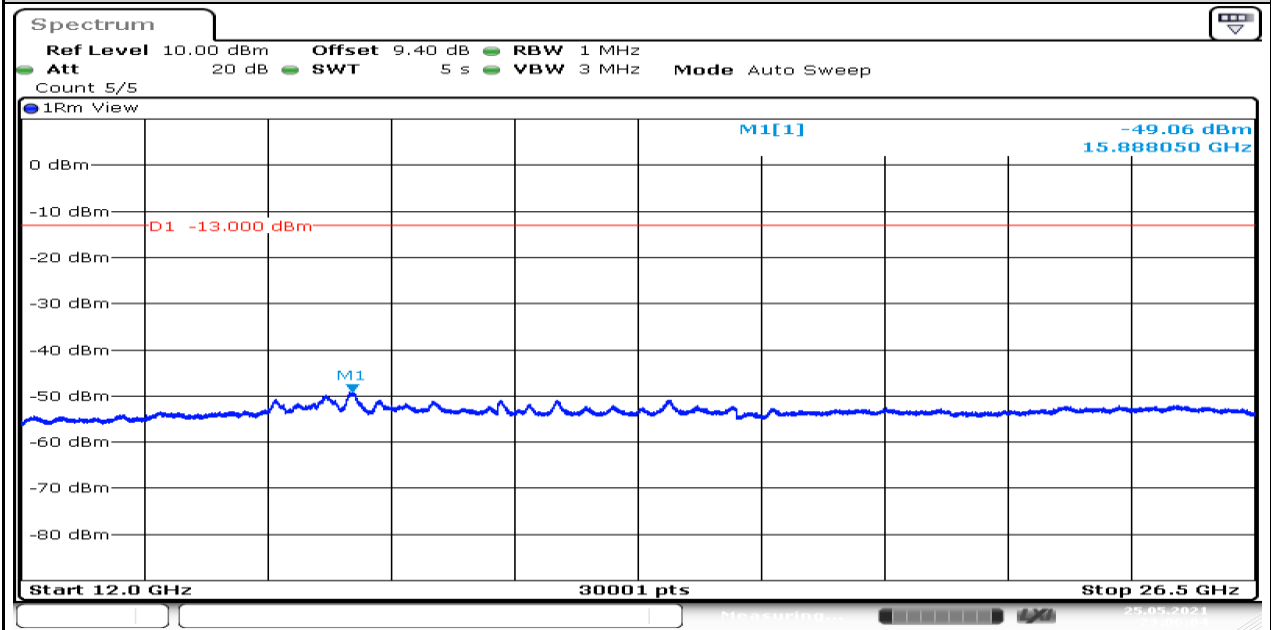
Band4-1.4MHz-16QAM-20393-1-5-Low-1000-5000--36.09-PASS



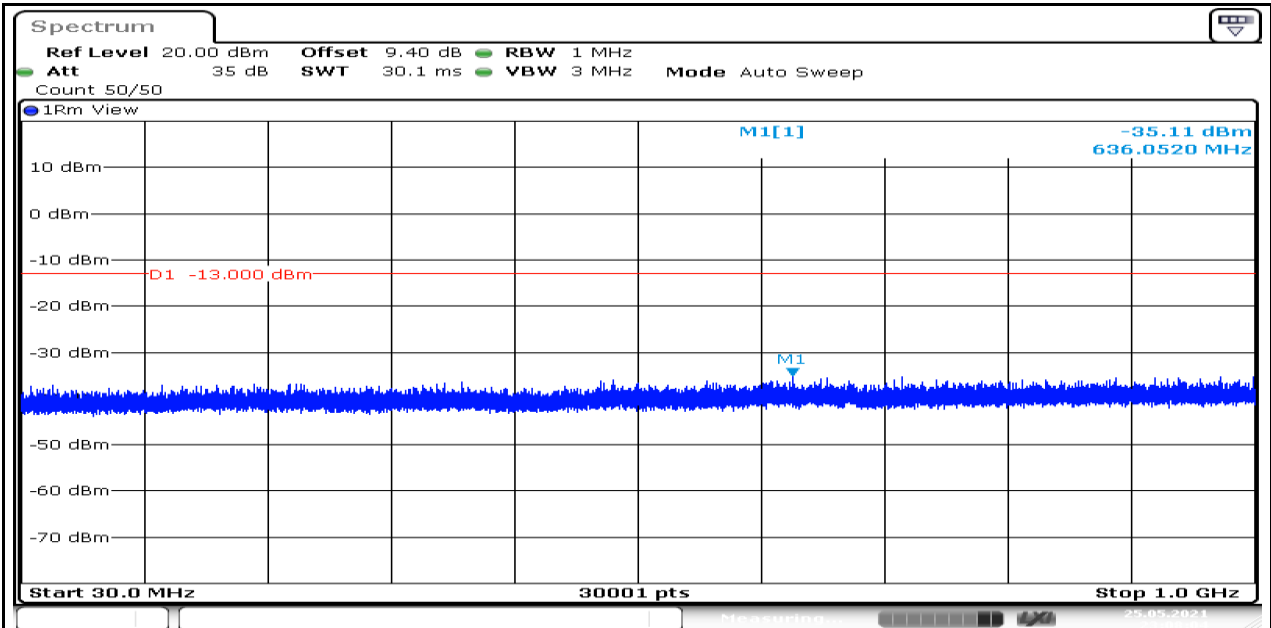
Band4-1.4MHz-16QAM-20393-1-5-Low-5000-12000--53.21-PASS



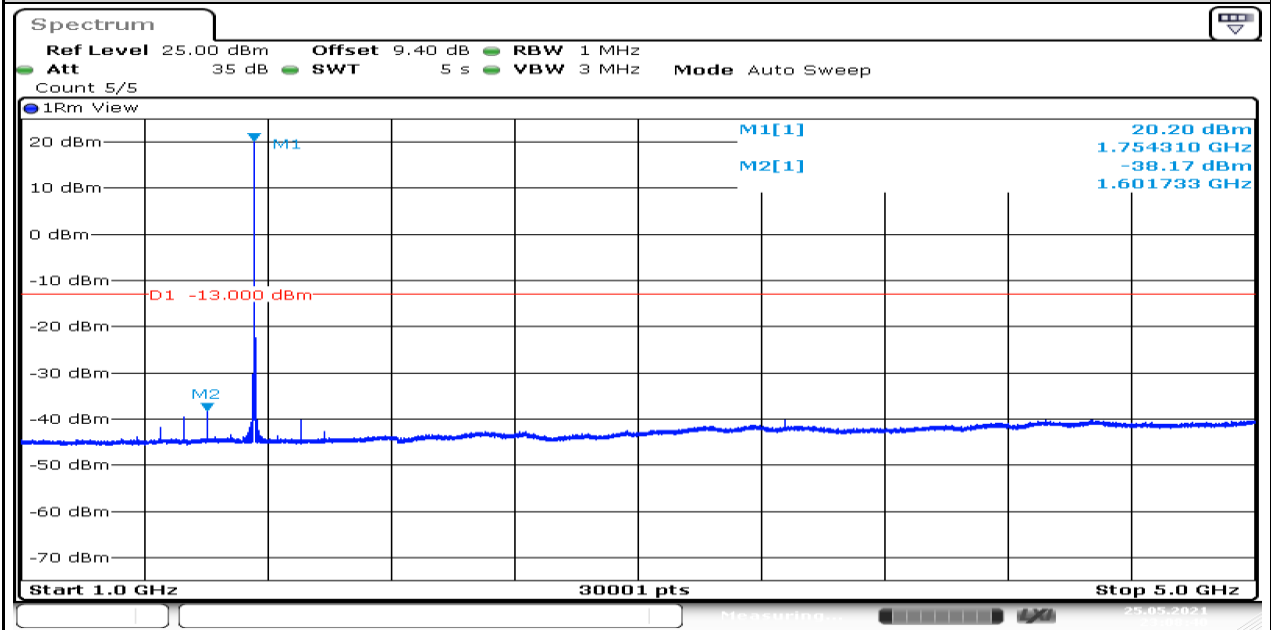
Band4-1.4MHz-16QAM-20393-1-5-Low-12000-26500--49.06-PASS



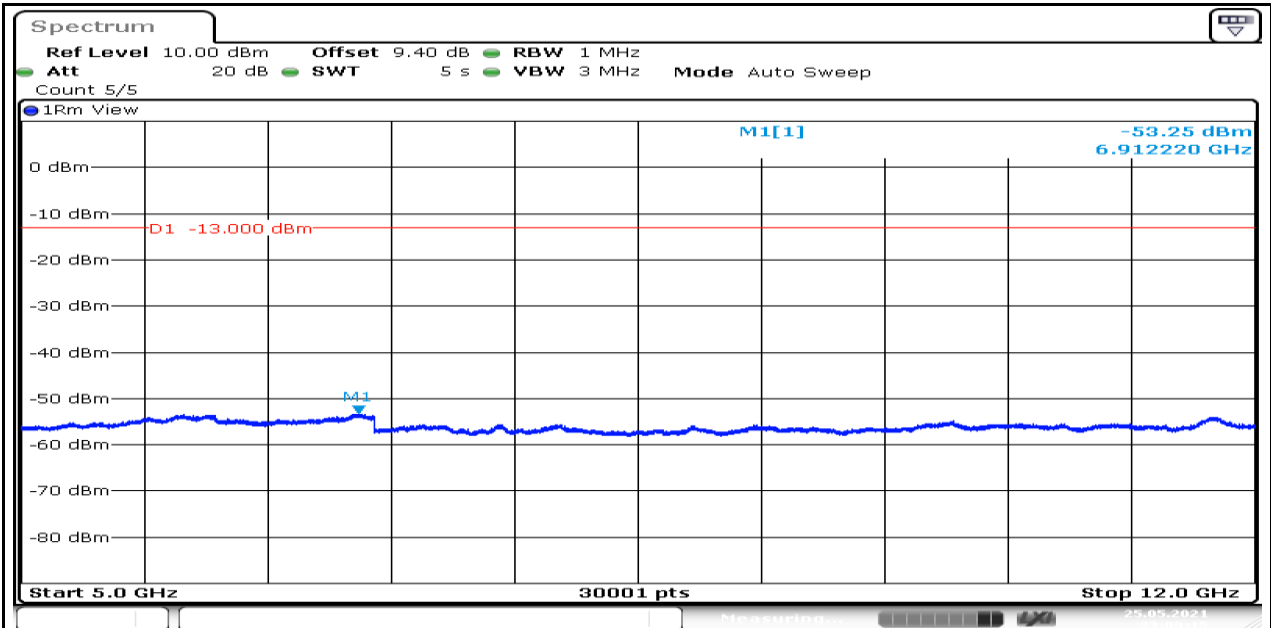
Band4-1.4MHz-16QAM-20393-6-0-Low-30-1000--35.11-PASS



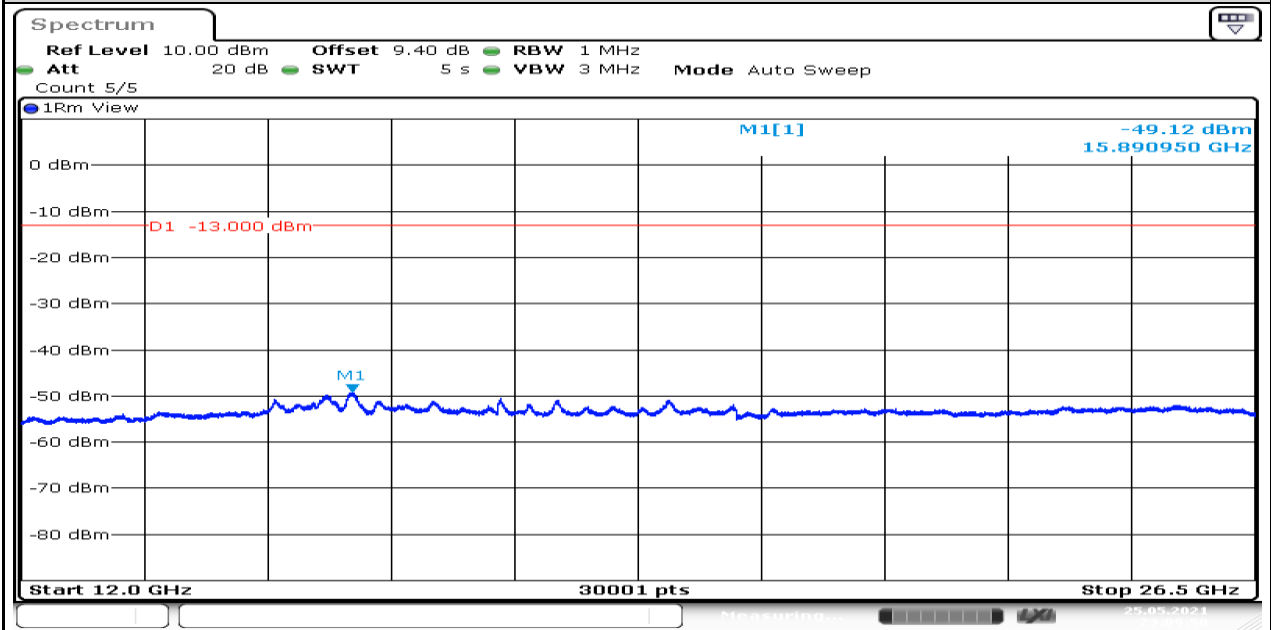
Band4-1.4MHz-16QAM-20393-6-0-Low-1000-5000--38.17-PASS



Band4-1.4MHz-16QAM-20393-6-0-Low-5000-12000--53.25-PASS



Band4-1.4MHz-16QAM-20393-6-0-Low-12000-26500--49.12-PASS



APPENDIX B.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
Band4	1.4MHz	20175	QPSK	1	0	Low	HV	NT	6.81	0.003931	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	LV	NT	6.77	0.003908	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	NT	6.52	0.003763	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	HV	NT	7.81	0.004508	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	LV	NT	8.63	0.004981	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	NT	5.71	0.003296	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	85	-5.05	-0.002915	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	-30	4.86	0.002805	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	-20	6.05	0.003492	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	-10	7.07	0.004081	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	0	7.71	0.004450	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	10	7.34	0.004237	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	20	7.31	0.004219	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	30	7.48	0.004317	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	40	6.41	0.003700	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	50	8.74	0.005045	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	60	-7.12	-0.004110	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	70	5.69	0.003284	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	-40	6.47	0.003734	±2.5	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	NV	80	5.42	0.003128	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	85	6.59	0.003804	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	-30	6.84	0.003948	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	-20	8.68	0.005010	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	-10	7.90	0.004560	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	0	7.85	0.004531	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	10	6.37	0.003677	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	20	6.32	0.003648	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	30	7.67	0.004427	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	40	7.87	0.004543	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	50	6.07	0.003504	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	60	8.73	0.005039	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	70	4.95	0.002857	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	80	6.51	0.003758	±2.5	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	NV	-40	7.41	0.004277	±2.5	PASS