

Appendix D: Test Results of Band 12 for eMTC operation

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

Test Result

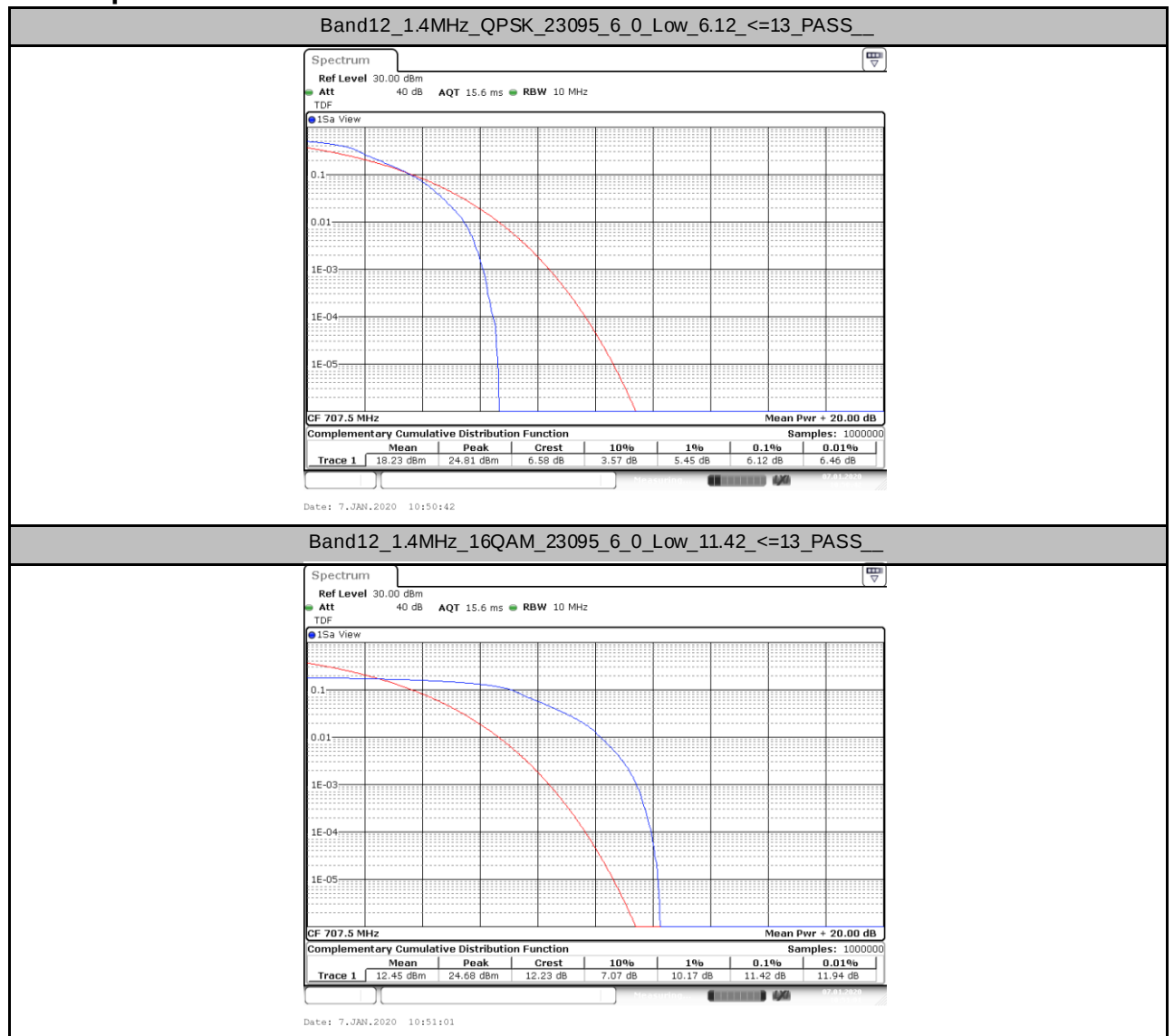
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result (dBm)	ERP		Limit (watts)	Verdict
								dBm	Watts		
Band12	1.4MHz	QPSK	23017	1	0	Low	22.87	22.86	0.193	3	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	22.78	22.77	0.189	3	PASS
Band12	1.4MHz	QPSK	23173	1	5	Low	22.72	22.71	0.187	3	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	20.76	20.75	0.119	3	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	20.6	20.59	0.115	3	PASS
Band12	1.4MHz	QPSK	23173	6	0	Low	20.61	20.6	0.115	3	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	22.06	22.05	0.160	3	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	21.91	21.9	0.155	3	PASS
Band12	1.4MHz	16QAM	23173	1	5	Low	21.85	21.84	0.153	3	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	20.78	20.77	0.119	3	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	20.6	20.59	0.115	3	PASS
Band12	1.4MHz	16QAM	23173	6	0	Low	20.62	20.61	0.115	3	PASS
Band12	3MHz	QPSK	23025	1	0	Low	22.95	22.94	0.197	3	PASS
Band12	3MHz	QPSK	23095	1	0	Low	22.78	22.77	0.189	3	PASS
Band12	3MHz	QPSK	23165	1	5	High	22.72	22.71	0.187	3	PASS
Band12	3MHz	QPSK	23025	6	0	Low	20.75	20.74	0.119	3	PASS
Band12	3MHz	QPSK	23095	6	0	Low	20.57	20.56	0.114	3	PASS
Band12	3MHz	QPSK	23165	6	0	High	20.59	20.58	0.114	3	PASS
Band12	3MHz	16QAM	23025	1	0	Low	22.07	22.06	0.161	3	PASS
Band12	3MHz	16QAM	23095	1	0	Low	21.88	21.87	0.154	3	PASS
Band12	3MHz	16QAM	23165	1	5	High	21.84	21.83	0.152	3	PASS
Band12	3MHz	16QAM	23025	6	0	Low	20.74	20.73	0.118	3	PASS
Band12	3MHz	16QAM	23095	6	0	Low	20.61	20.6	0.115	3	PASS
Band12	3MHz	16QAM	23165	6	0	High	20.58	20.57	0.114	3	PASS
Band12	5MHz	QPSK	23035	1	0	Low	22.85	22.84	0.192	3	PASS
Band12	5MHz	QPSK	23095	1	0	Low	22.75	22.74	0.188	3	PASS
Band12	5MHz	QPSK	23155	1	5	High	22.67	22.66	0.185	3	PASS
Band12	5MHz	QPSK	23155	3	3	High	21.66	21.65	0.146	3	PASS
Band12	5MHz	QPSK	23035	6	0	Low	21.78	21.77	0.150	3	PASS
Band12	5MHz	QPSK	23095	6	0	Low	21.54	21.53	0.142	3	PASS
Band12	5MHz	16QAM	23035	1	0	Low	22.98	22.97	0.198	3	PASS
Band12	5MHz	16QAM	23095	1	0	Low	22.89	22.88	0.194	3	PASS
Band12	5MHz	16QAM	23155	1	5	High	22.8	22.79	0.190	3	PASS
Band12	5MHz	16QAM	23155	3	3	High	21.8	21.79	0.151	3	PASS
Band12	5MHz	16QAM	23035	6	0	Low	21.78	21.77	0.150	3	PASS
Band12	5MHz	16QAM	23095	6	0	Low	21.54	21.53	0.142	3	PASS
Band12	10MHz	QPSK	23060	1	0	Low	22.79	22.78	0.190	3	PASS
Band12	10MHz	QPSK	23095	1	0	Low	22.74	22.73	0.187	3	PASS
Band12	10MHz	QPSK	23130	1	5	High	22.65	22.64	0.184	3	PASS
Band12	10MHz	QPSK	23060	5	0	Low	21.8	21.79	0.151	3	PASS
Band12	10MHz	QPSK	23095	5	0	Low	21.65	21.64	0.146	3	PASS
Band12	10MHz	QPSK	23130	5	1	High	21.61	21.6	0.145	3	PASS
Band12	10MHz	16QAM	23060	1	0	Low	22.94	22.93	0.196	3	PASS
Band12	10MHz	16QAM	23095	1	0	Low	22.87	22.86	0.193	3	PASS
Band12	10MHz	16QAM	23130	1	5	High	22.78	22.77	0.189	3	PASS
Band12	10MHz	16QAM	23060	5	0	Low	21.9	21.89	0.155	3	PASS
Band12	10MHz	16QAM	23095	5	0	Low	21.75	21.74	0.149	3	PASS
Band12	10MHz	16QAM	23130	5	1	High	21.79	21.78	0.151	3	PASS

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

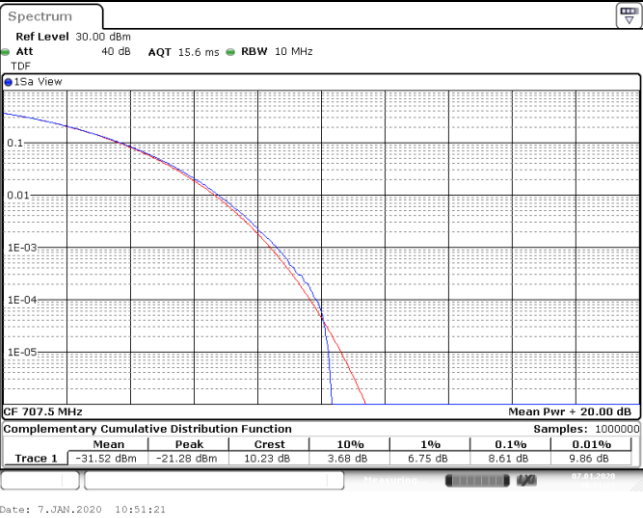
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23095	6	0	Low	6.12	<=13	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	11.42	<=13	PASS
Band12	3MHz	QPSK	23095	6	0	Low	8.61	<=13	PASS
Band12	3MHz	16QAM	23095	6	0	Low	10.99	<=13	PASS
Band12	5MHz	QPSK	23095	6	0	Low	8.29	<=13	PASS
Band12	5MHz	16QAM	23095	6	0	Low	8.58	<=13	PASS
Band12	10MHz	QPSK	23095	6	0	Low	8.35	<=13	PASS
Band12	10MHz	16QAM	23095	6	0	Low	10.26	<=13	PASS

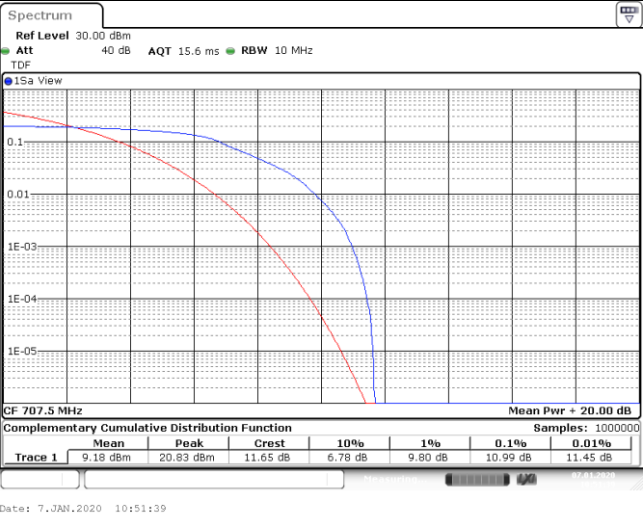
Test Graphs



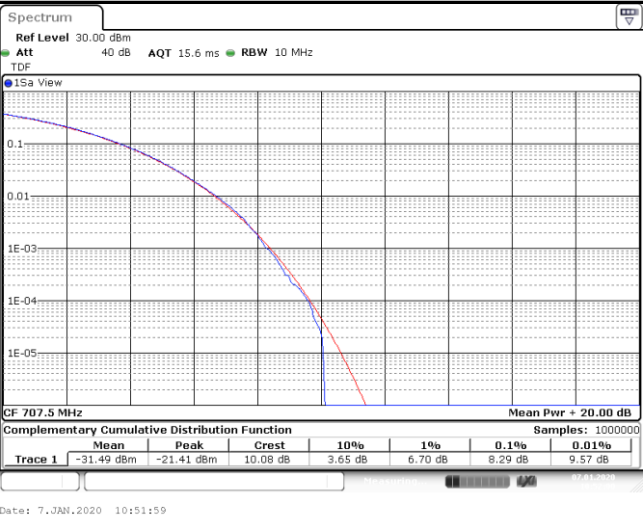
Band12_3MHz_QPSK_23095_6_0_Low_8.61_<=13_PASS_



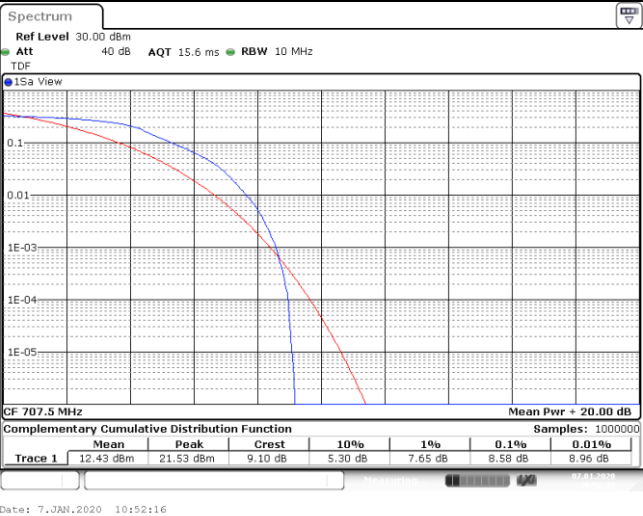
Band12_3MHz_16QAM_23095_6_0_Low_10.99_<=13_PASS_



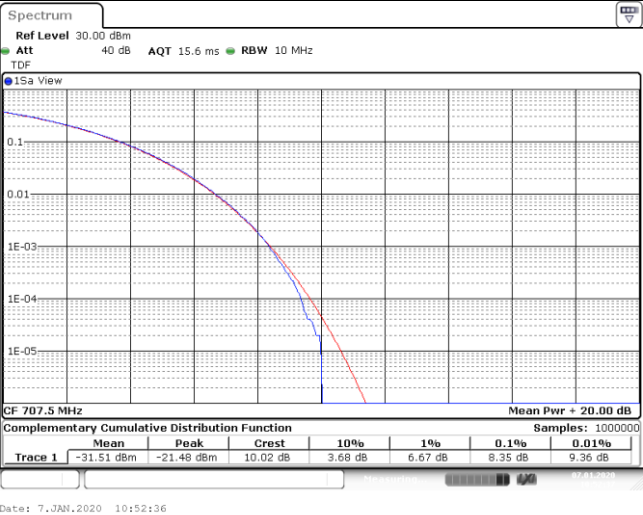
Band12_5MHz_QPSK_23095_6_0_Low_8.29_<=13_PASS_



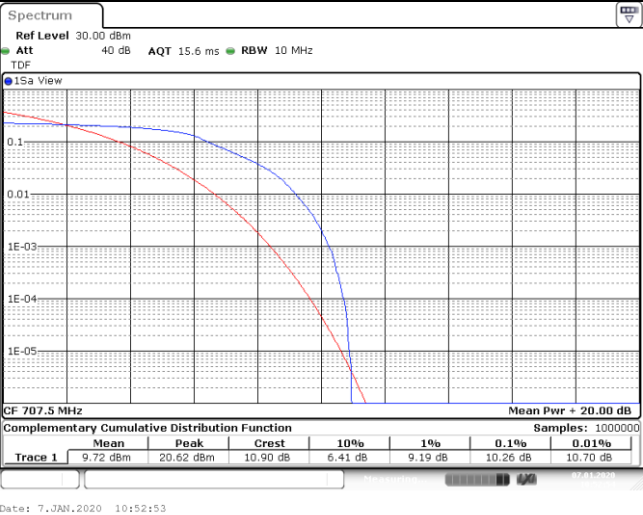
Band12_5MHz_16QAM_23095_6_0_Low_8.58_<=13_PASS__



Band12_10MHz_QPSK_23095_6_0_Low_8.35_<=13_PASS__



Band12_10MHz_16QAM_23095_6_0_Low_10.26_<=13_PASS__

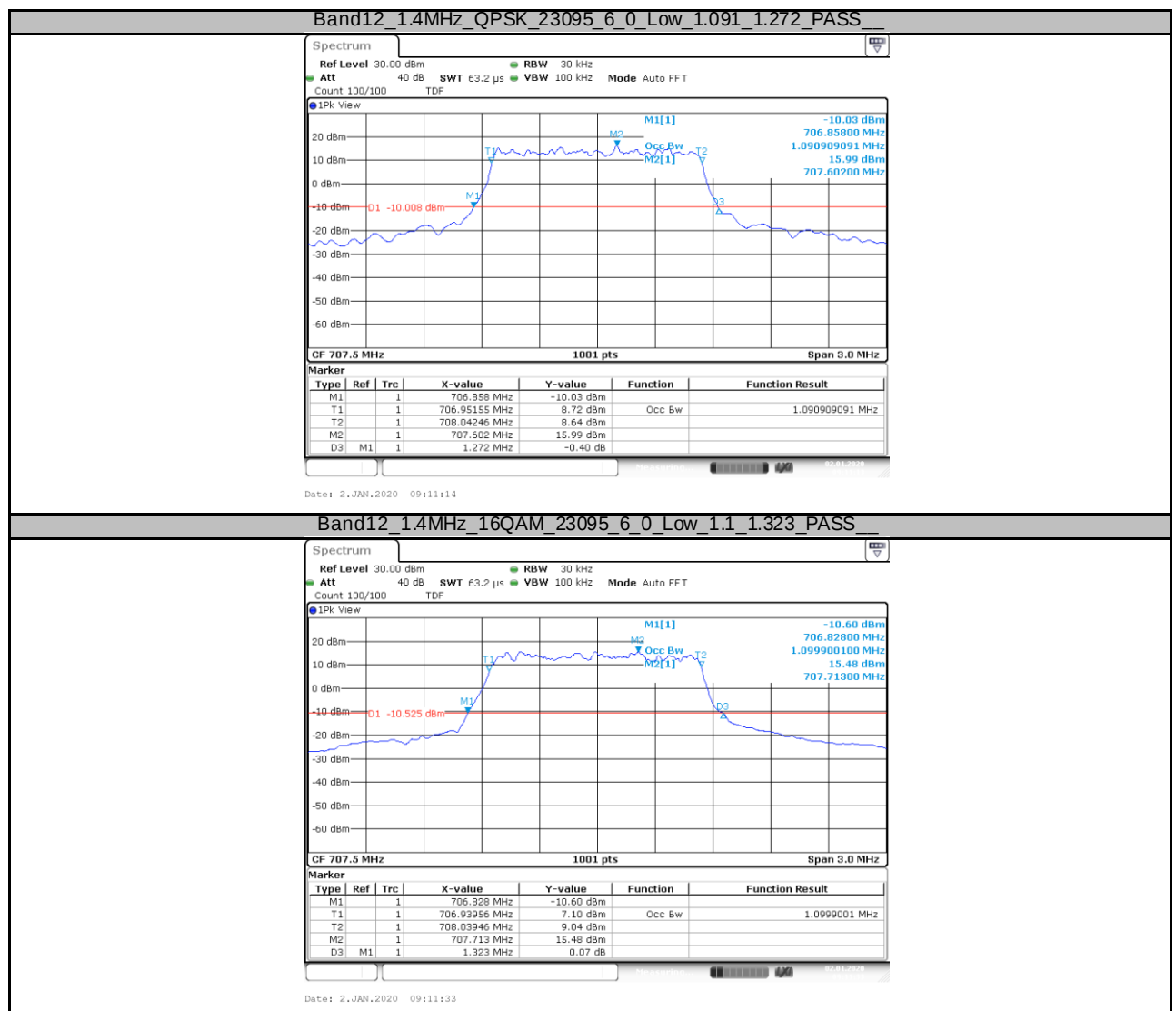


Appendix D.3: 26dB Bandwidth and Occupied Bandwidth for M1

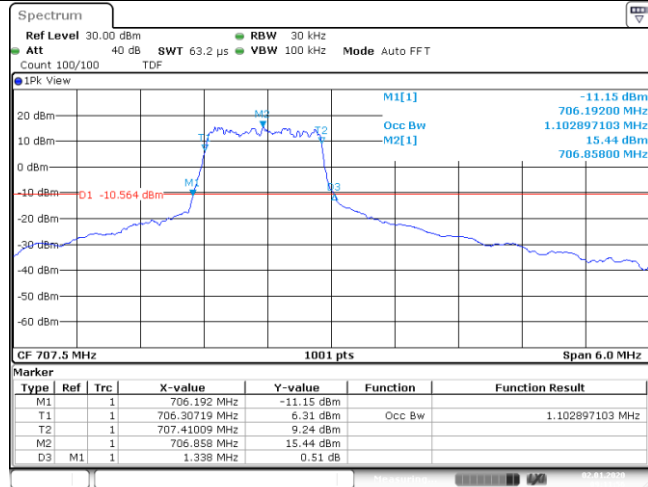
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23095	6	0	Low	1.091	1.272	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	1.1	1.323	PASS
Band12	3MHz	QPSK	23095	6	0	Low	1.103	1.338	PASS
Band12	3MHz	16QAM	23095	6	0	Low	1.103	1.332	PASS
Band12	5MHz	QPSK	23095	6	0	Low	1.099	1.340	PASS
Band12	5MHz	16QAM	23095	6	0	Low	1.099	1.350	PASS
Band12	10MHz	QPSK	23095	6	0	Low	1.099	1.320	PASS
Band12	10MHz	16QAM	23095	6	0	Low	1.099	1.320	PASS

Test Graphs

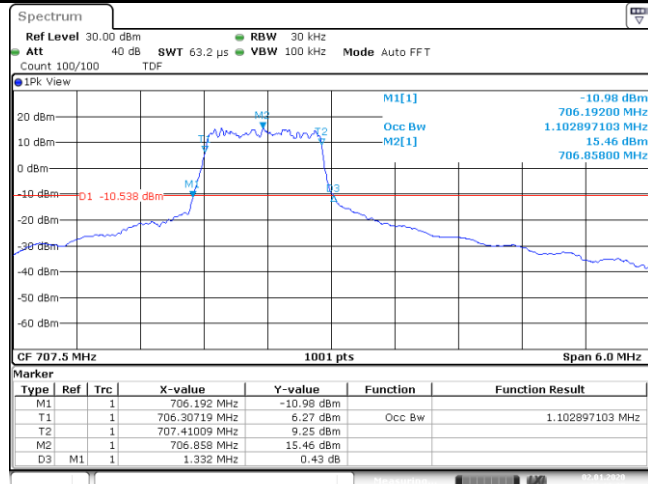


Band12_3MHz_QPSK_23095_6_0_Low_1.103_1.338_PASS



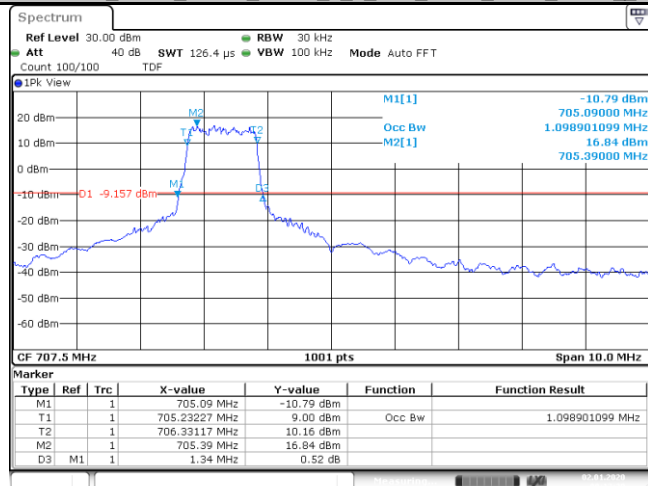
Date: 2.JAN.2020 09:11:57

Band12_3MHz_16QAM_23095_6_0_Low_1.103_1.332_PASS



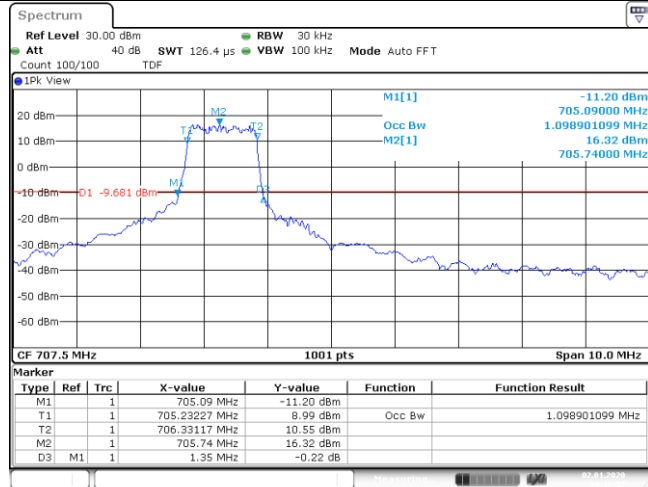
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Band12_5MHz_QPSK_23095_6_0_Low_1.099_1.340_PASS



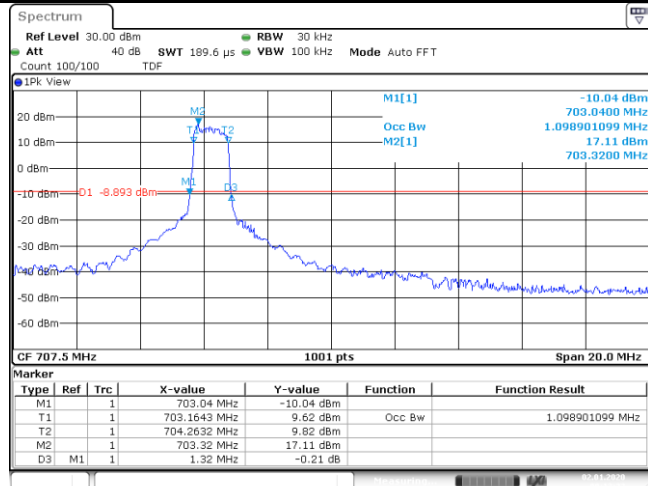
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Band12_5MHz_16QAM_23095_6_0_Low_1.099_1.350_PASS



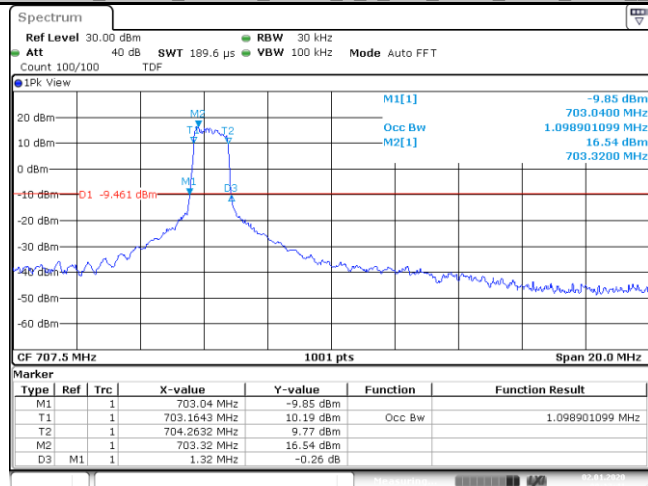
Date: 2.JAN.2020 09:12:58

Band12_10MHz_QPSK_23095_6_0_Low_1.099_1.320_PASS



Date: 2.JAN.2020 09:13:23

Band12_10MHz_16QAM_23095_6_0_Low_1.099_1.320_PASS



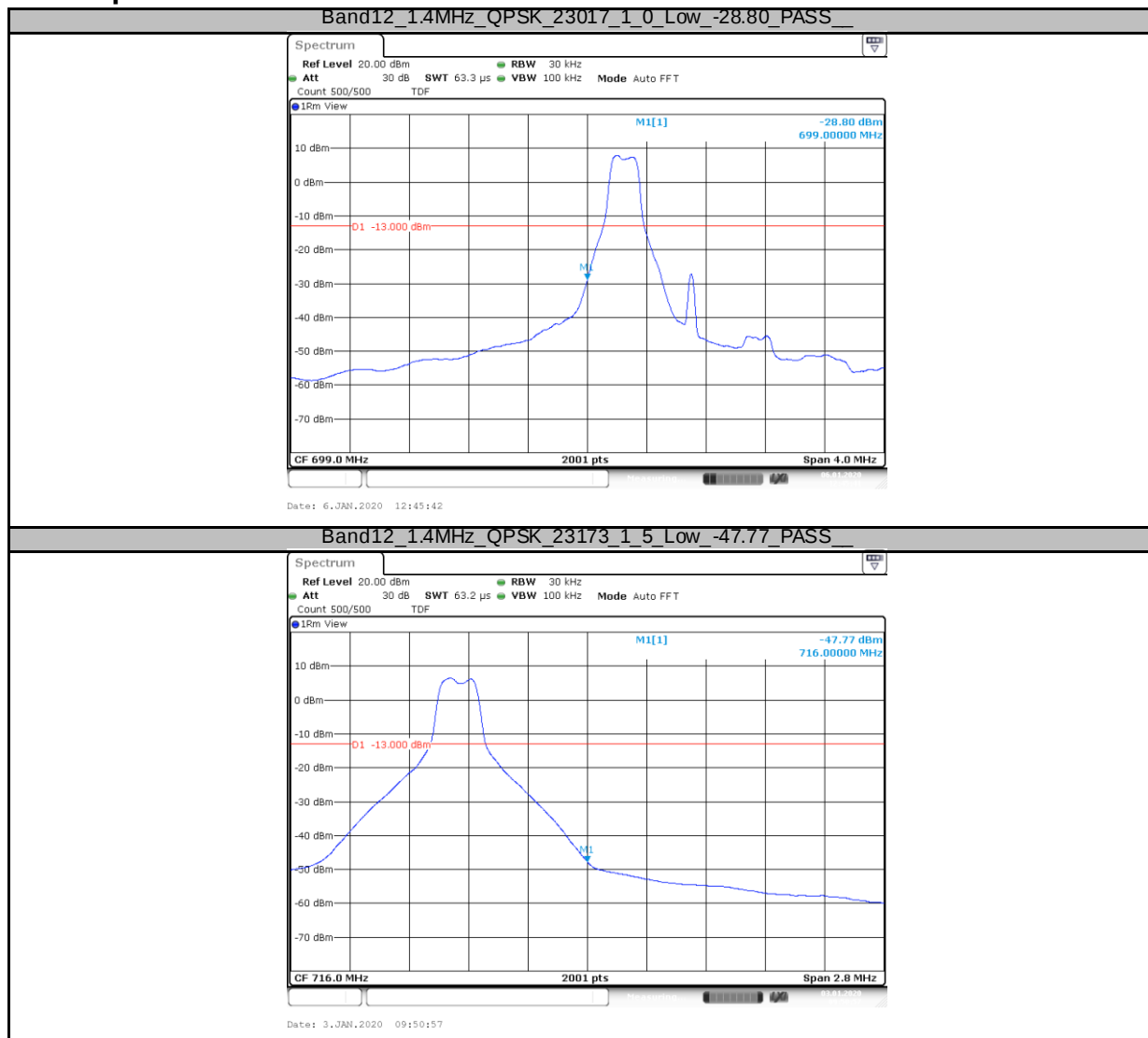
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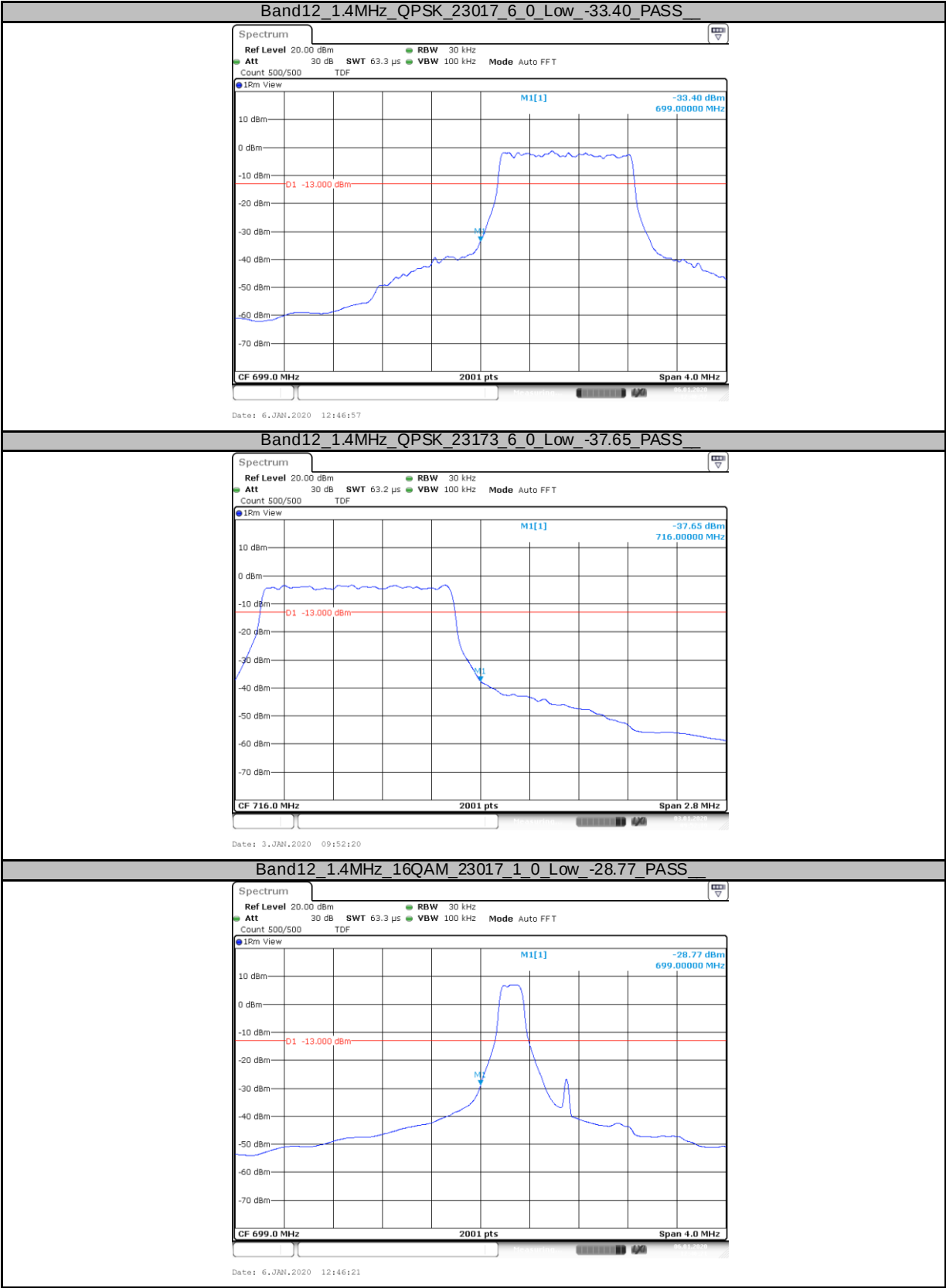
Appendix D.4: Band Edge for M1

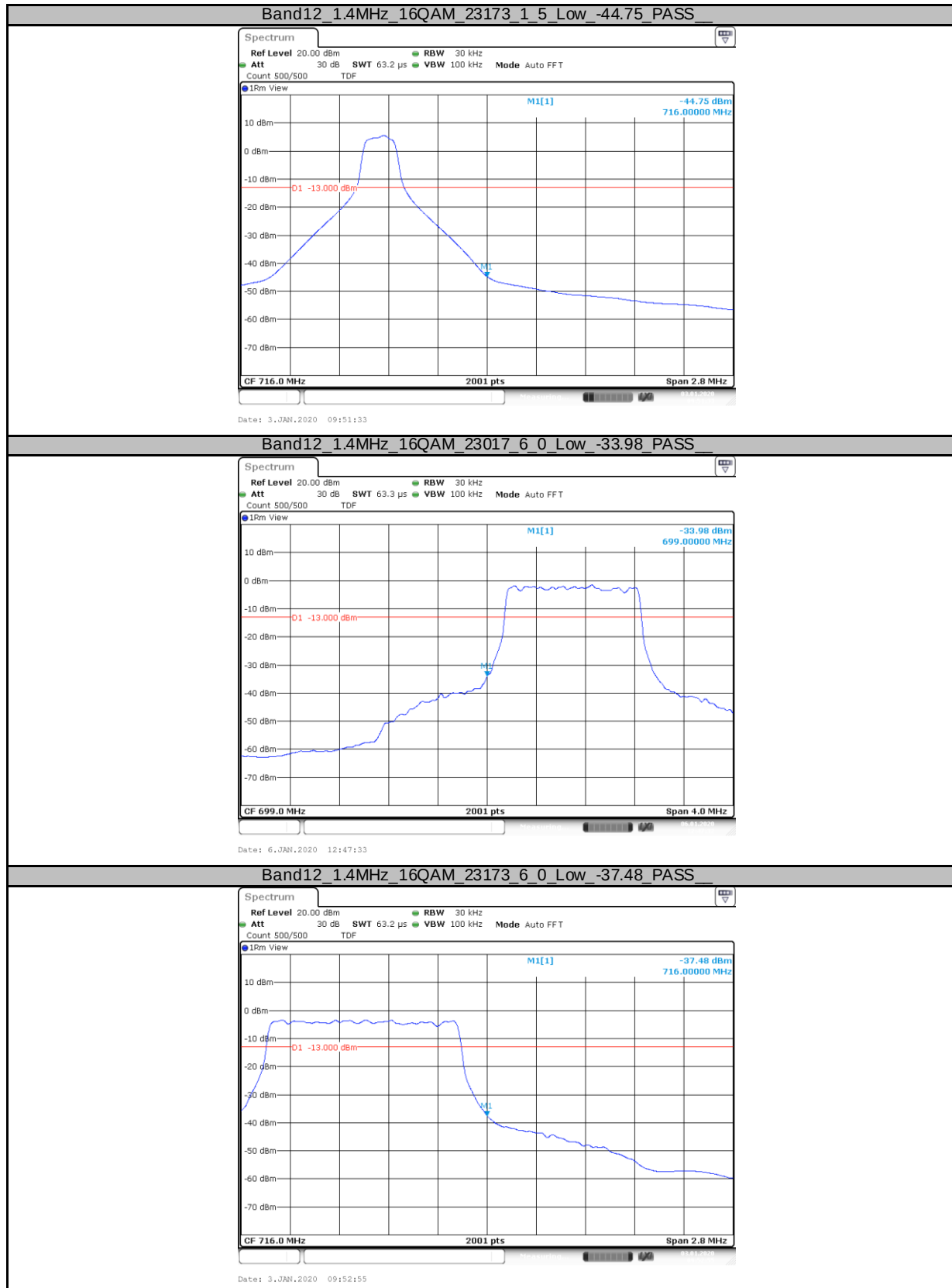
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1	0	Low	-28.80	PASS
Band12	1.4MHz	QPSK	23173	1	5	Low	-47.77	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	-33.40	PASS
Band12	1.4MHz	QPSK	23173	6	0	Low	-37.65	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	-28.77	PASS
Band12	1.4MHz	16QAM	23173	1	5	Low	-44.75	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	-33.98	PASS
Band12	1.4MHz	16QAM	23173	6	0	Low	-37.48	PASS

Test Graphs







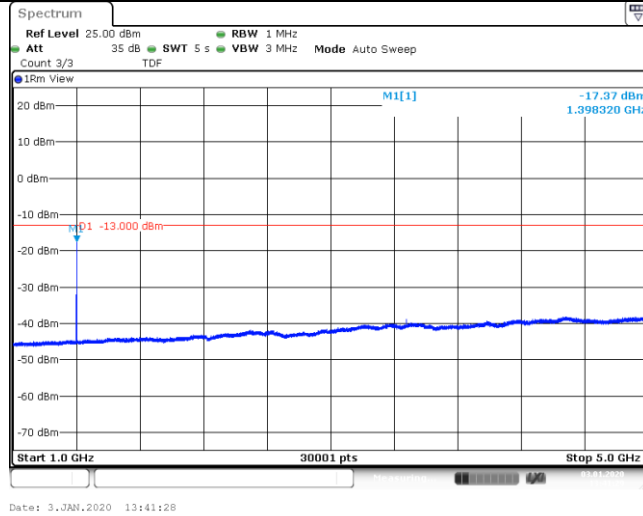
Appendix D.5: Conducted Spurious Emission for M1

Test Result

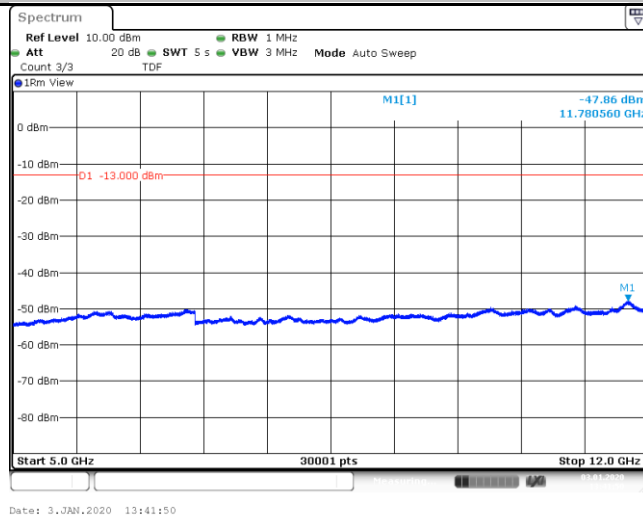
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1	0	Low	1000	5000	-17.37	PASS
Band12	1.4MHz	QPSK	23017	1	0	Low	5000	12000	-47.86	PASS
Band12	1.4MHz	QPSK	23017	1	0	Low	12000	26500	-41.73	PASS
Band12	1.4MHz	QPSK	23017	1	0	Low	30	1000	-35.65	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	5000	12000	-47.78	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	1000	5000	-38.06	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	30	1000	-35.78	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	12000	26500	-41.68	PASS
Band12	1.4MHz	QPSK	23173	1	5	Low	5000	12000	-47.78	PASS
Band12	1.4MHz	QPSK	23173	1	5	Low	1000	5000	-26.6	PASS
Band12	1.4MHz	QPSK	23173	1	5	Low	12000	26500	-41.65	PASS
Band12	1.4MHz	QPSK	23173	1	5	Low	30	1000	-35.46	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	5000	12000	-47.73	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	12000	26500	-41.67	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	1000	5000	-25.41	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	30	1000	-35.96	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	30	1000	-35.9	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	5000	12000	-47.76	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	1000	5000	-30.69	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	12000	26500	-41.63	PASS
Band12	1.4MHz	QPSK	23173	6	0	Low	30	1000	-35.4	PASS
Band12	1.4MHz	QPSK	23173	6	0	Low	1000	5000	-32.7	PASS
Band12	1.4MHz	QPSK	23173	6	0	Low	5000	12000	-47.62	PASS
Band12	1.4MHz	QPSK	23173	6	0	Low	12000	26500	-41.63	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	30	1000	-35.64	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	1000	5000	-18.03	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	12000	26500	-41.65	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	5000	12000	-47.68	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	1000	5000	-22.8	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	12000	26500	-41.52	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	30	1000	-36.01	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	5000	12000	-47.62	PASS
Band12	1.4MHz	16QAM	23173	1	5	Low	12000	26500	-41.3	PASS
Band12	1.4MHz	16QAM	23173	1	5	Low	5000	12000	-47.8	PASS
Band12	1.4MHz	16QAM	23173	1	5	Low	1000	5000	-27.07	PASS
Band12	1.4MHz	16QAM	23173	1	5	Low	30	1000	-36.18	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	12000	26500	-41.54	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	5000	12000	-47.7	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	1000	5000	-25.05	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	30	1000	-36.22	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	1000	5000	-29.14	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	5000	12000	-47.52	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	30	1000	-35.37	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	12000	26500	-41.73	PASS
Band12	1.4MHz	16QAM	23173	6	0	Low	12000	26500	-41.7	PASS
Band12	1.4MHz	16QAM	23173	6	0	Low	30	1000	-35.08	PASS
Band12	1.4MHz	16QAM	23173	6	0	Low	1000	5000	-32.77	PASS
Band12	1.4MHz	16QAM	23173	6	0	Low	5000	12000	-47.59	PASS

Test Graphs

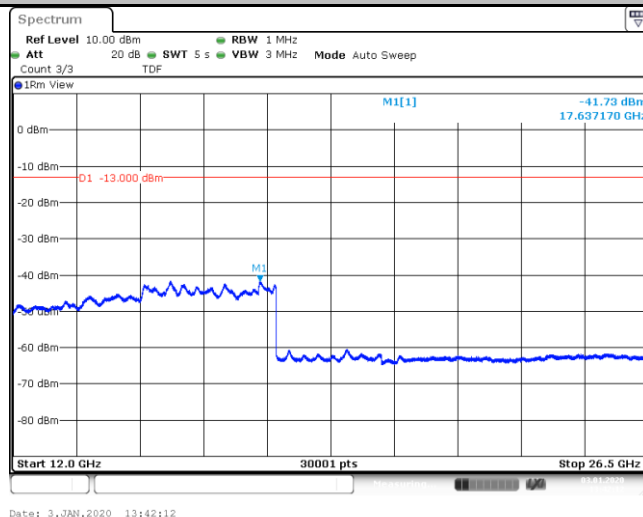
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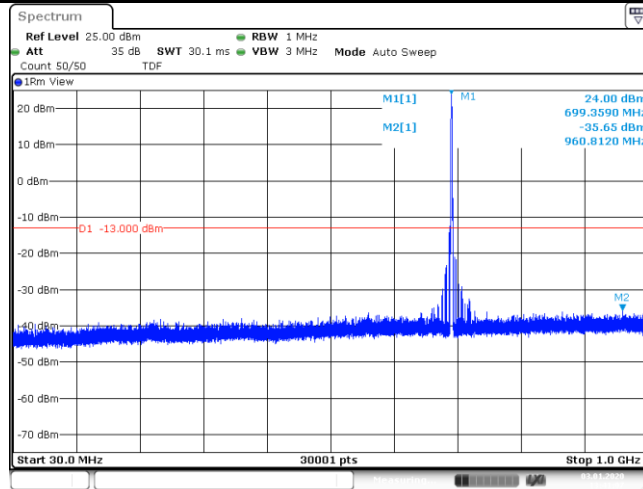
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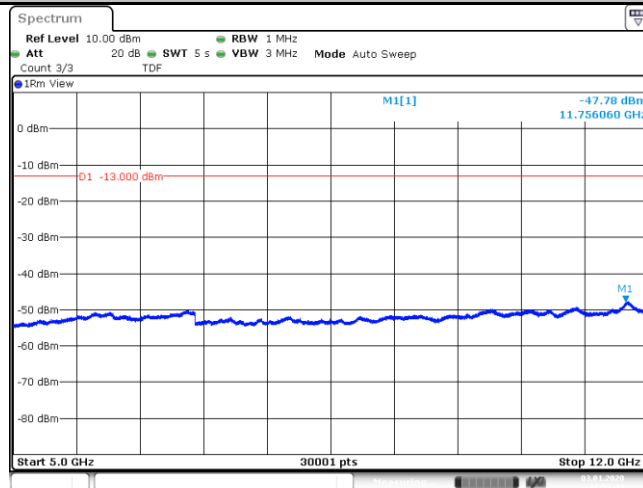
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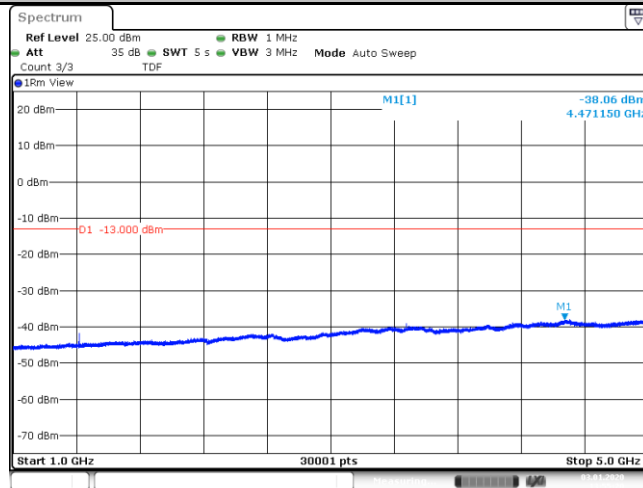
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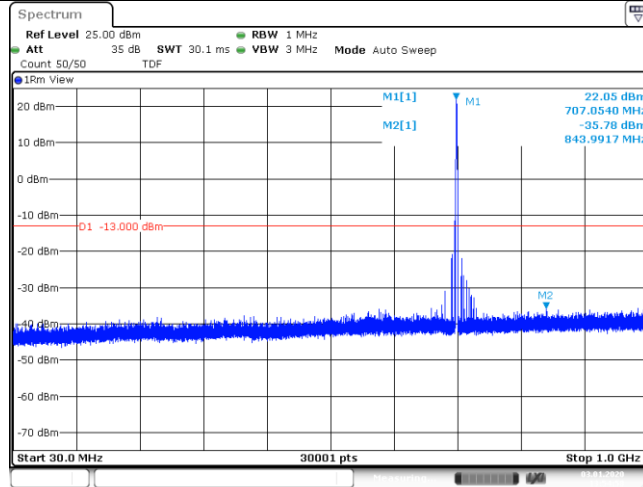
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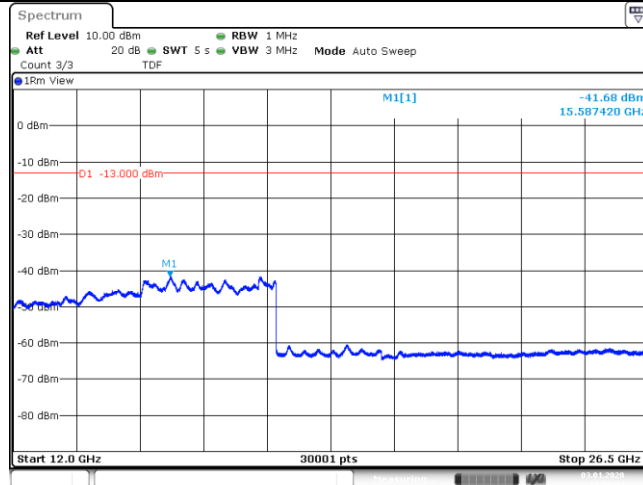
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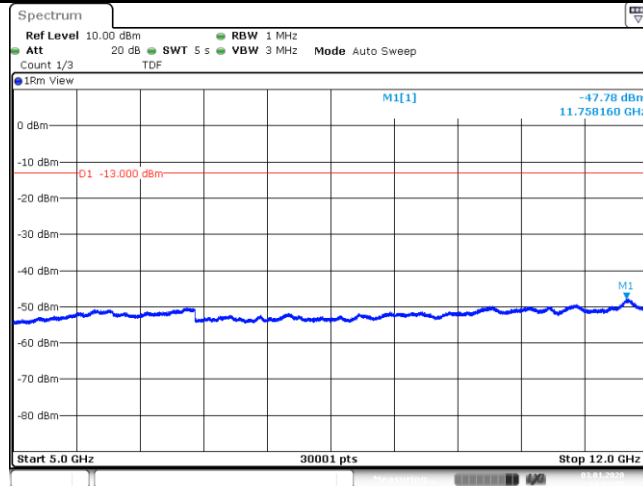
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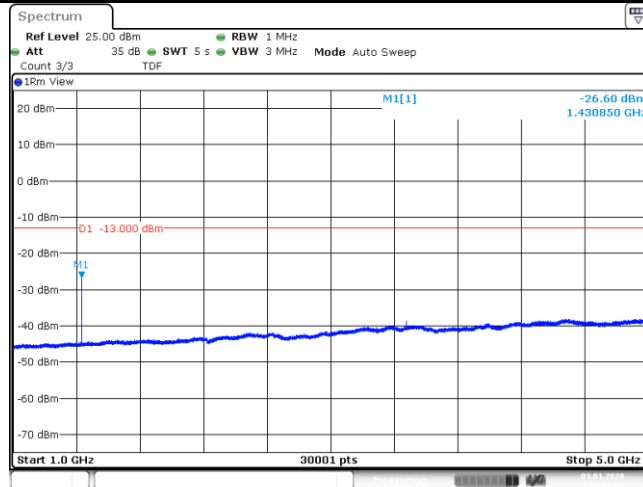
Band12_1.4MHz_QPSK_23095_1_0_Low_12000_26500_-41.68_PASS__



Band12_1.4MHz_QPSK_23173_1_5_Low_5000_12000_-47.78_PASS__

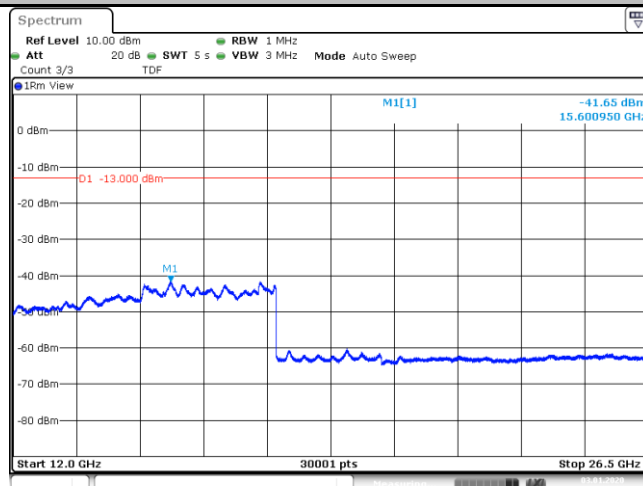


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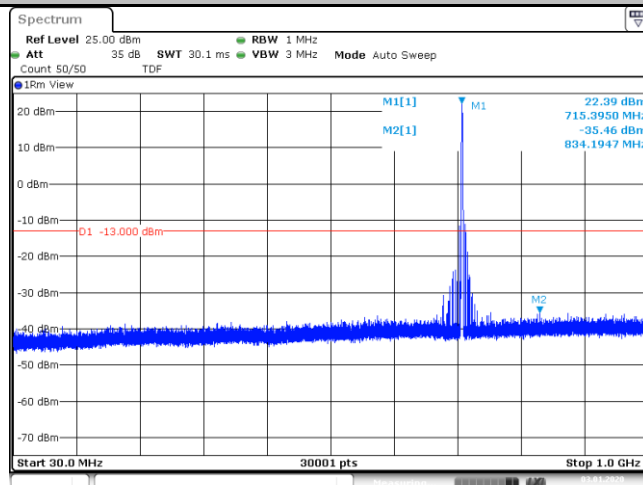
Date: 3.JAN.2020 14:02:20

Band12_1.4MHz_QPSK_23173_1_5_Low_12000_26500_-41.65_PASS_



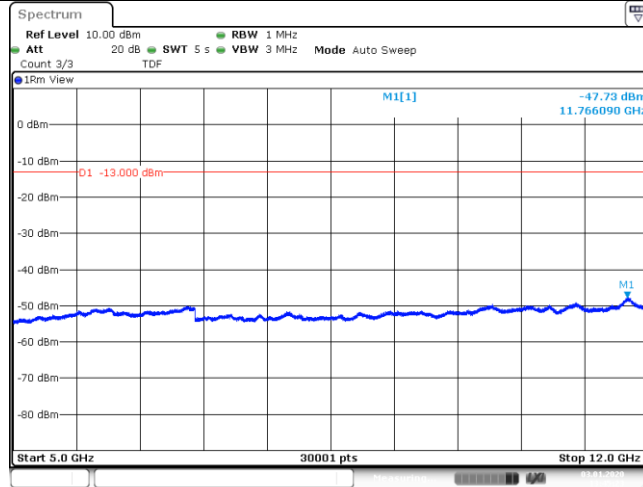
Date: 3.JAN.2020 14:03:04

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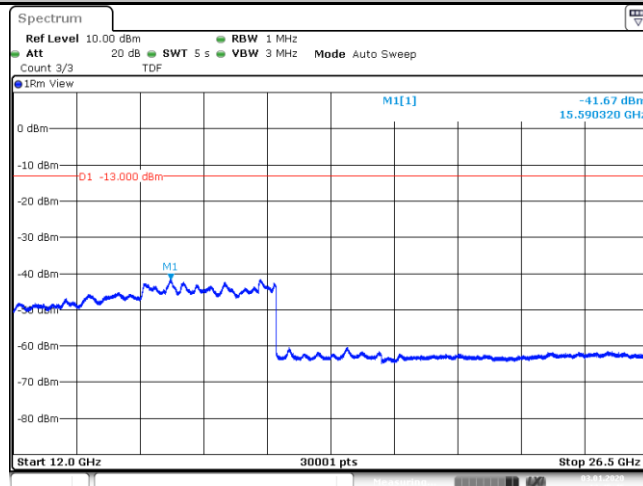
Date: 3.JAN.2020 14:01:58

Band12_1.4MHz_QPSK_23017_6_0_Low_5000_12000_-47.73_PASS__



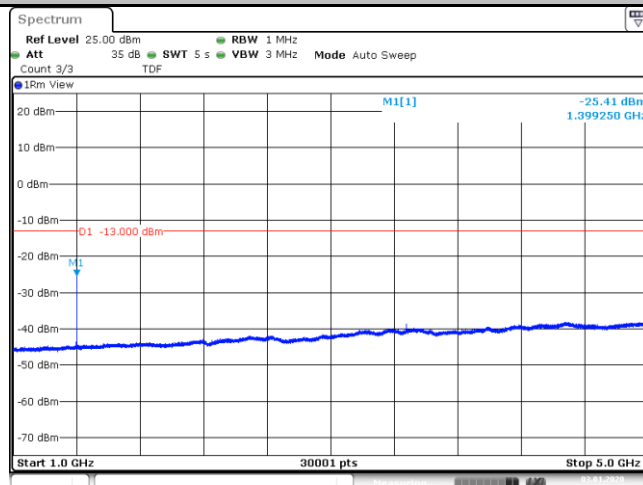
Date: 3.JAN.2020 13:45:23

Band12_1.4MHz_QPSK_23017_6_0_Low_12000_26500_-41.67_PASS__



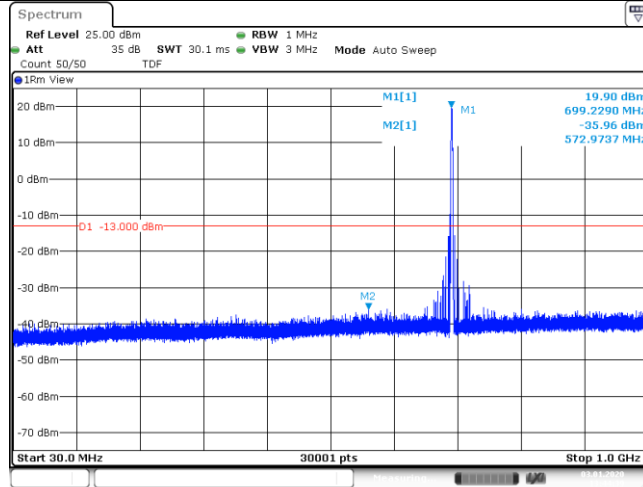
Date: 3.JAN.2020 13:45:45

Band12_1.4MHz_QPSK_23017_6_0_Low_1000_5000_-25.41_PASS__

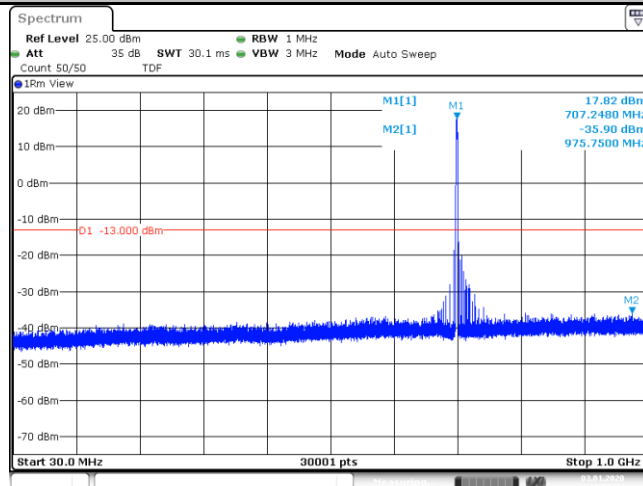


Date: 3.JAN.2020 13:45:01

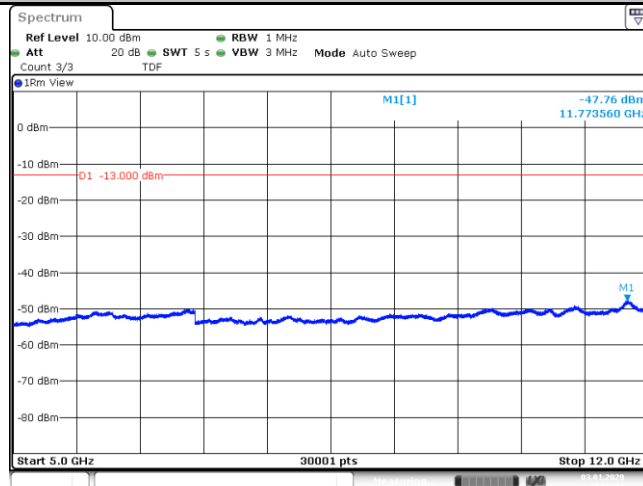
Band12_1.4MHz_QPSK_23017_6_0_Low_30_1000_-35.96_PASS__



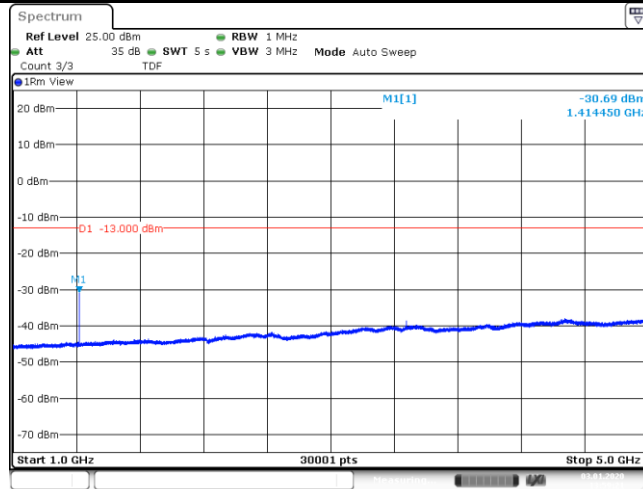
Band12_1.4MHz_QPSK_23095_6_0_Low_30_1000_-35.9_PASS__



Band12_1.4MHz_QPSK_23095_6_0_Low_5000_12000_-47.76_PASS__

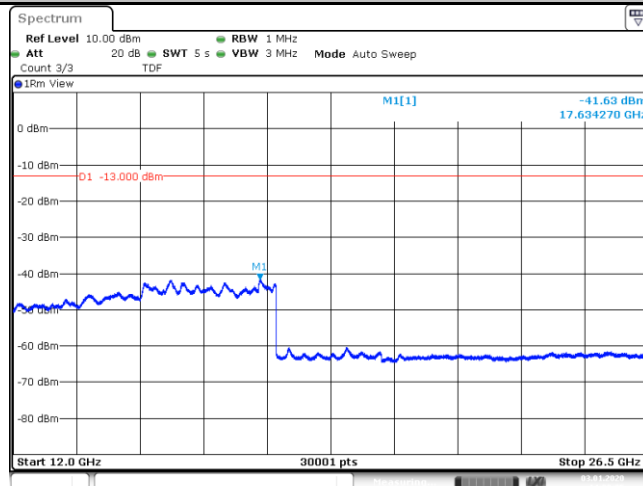


Band12_1.4MHz_QPSK_23095_6_0_Low_1000_5000_-30.69_PASS__



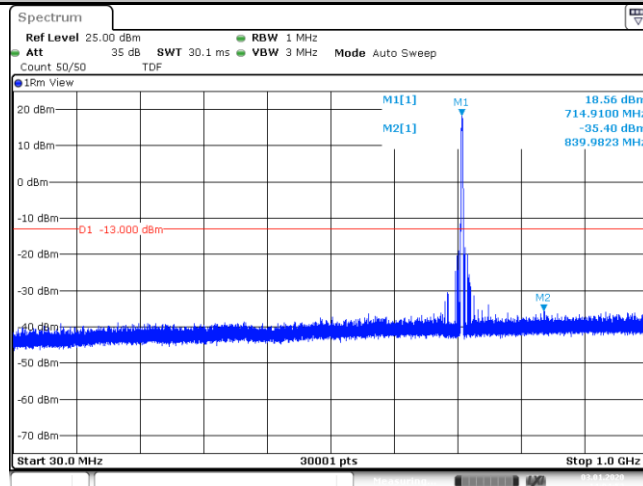
Date: 3.JAN.2020 13:59:21

Band12_1.4MHz_QPSK_23095_6_0_Low_12000_26500_-41.63_PASS__



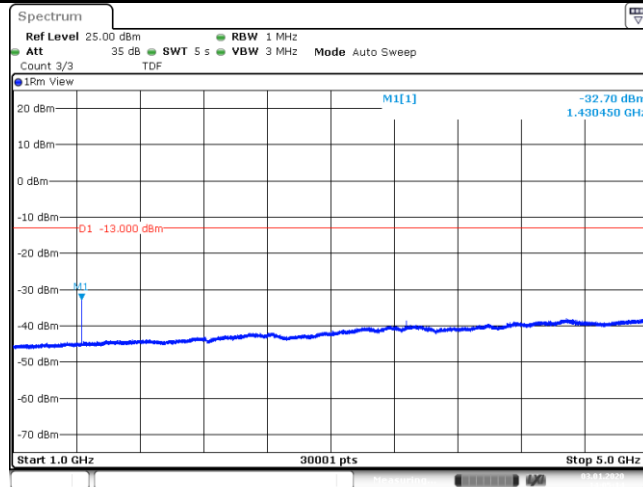
Date: 3.JAN.2020 14:00:05

Band12_1.4MHz_QPSK_23173_6_0_Low_30_1000_-35.4_PASS__



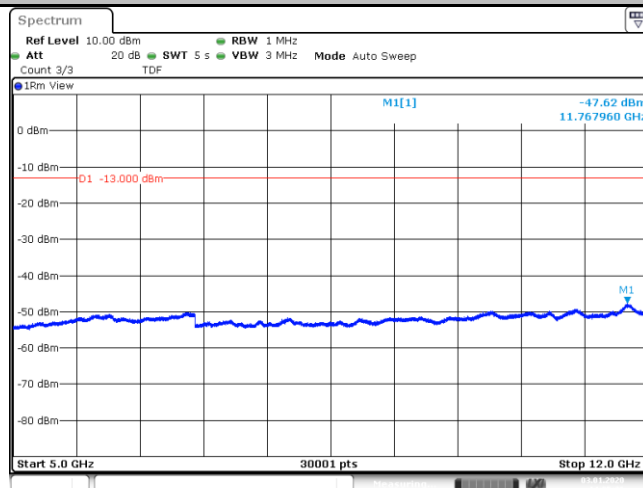
Date: 3.JAN.2020 14:04:52

Band12_1.4MHz_QPSK_23173_6_0_Low_1000_5000_-32.7_PASS__



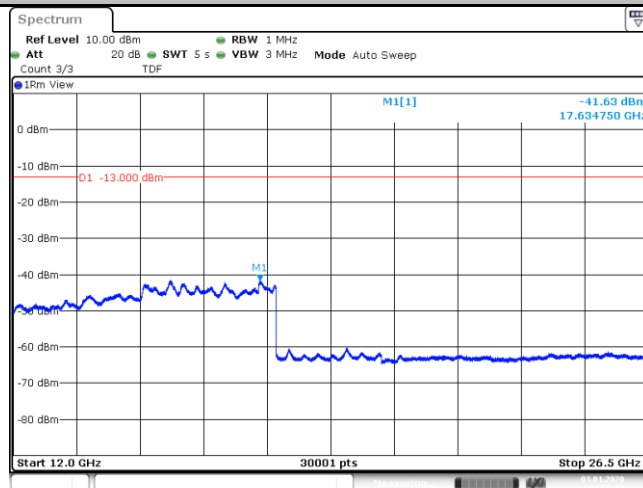
Date: 3.JAN.2020 14:05:14

Band12_1.4MHz_QPSK_23173_6_0_Low_5000_12000_-47.62_PASS__



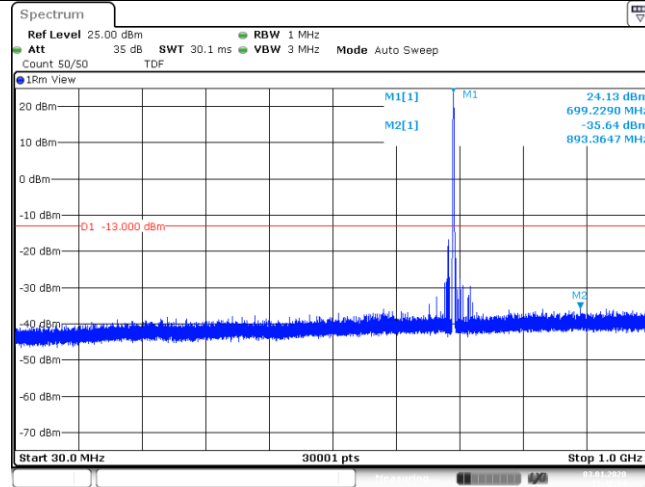
Date: 3.JAN.2020 14:05:16

Band12_1.4MHz_QPSK_23173_6_0_Low_12000_26500_-41.63_PASS__



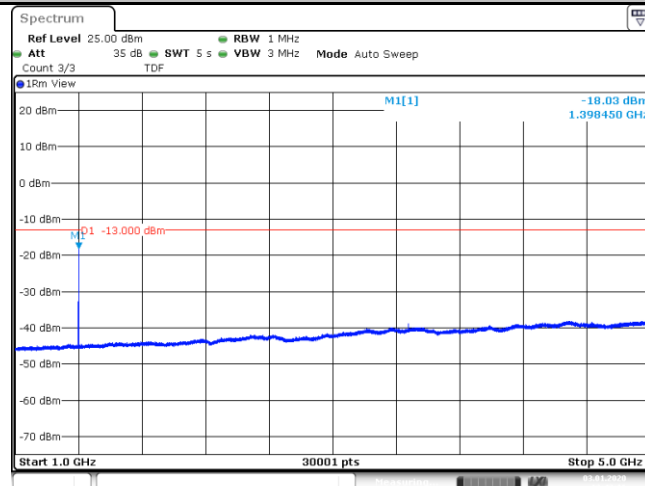
Date: 3.JAN.2020 14:05:18

Band12_1.4MHz_16QAM_23017_1_0_Low_30_1000_-35.64_PASS__



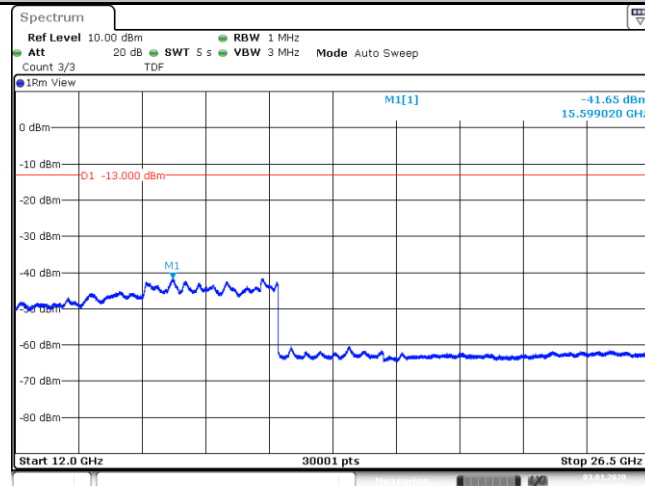
Date: 3.JAN.2020 13:42:54

Band12_1.4MHz_16QAM_23017_1_0_Low_1000_5000_-18.03_PASS__



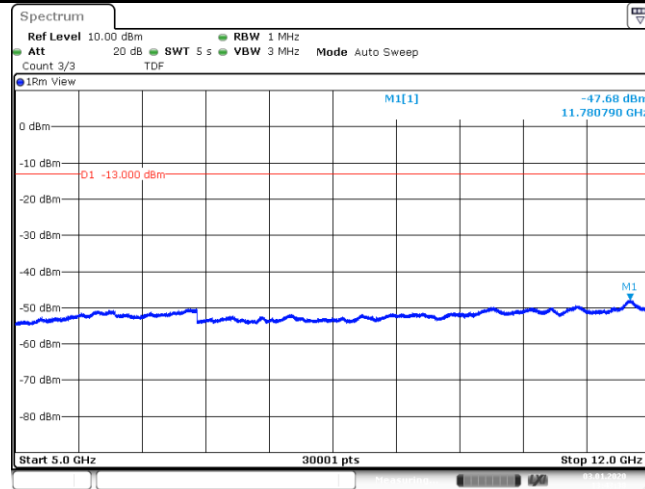
Date: 3.JAN.2020 13:43:16

Band12_1.4MHz_16QAM_23017_1_0_Low_12000_26500_-41.65_PASS__



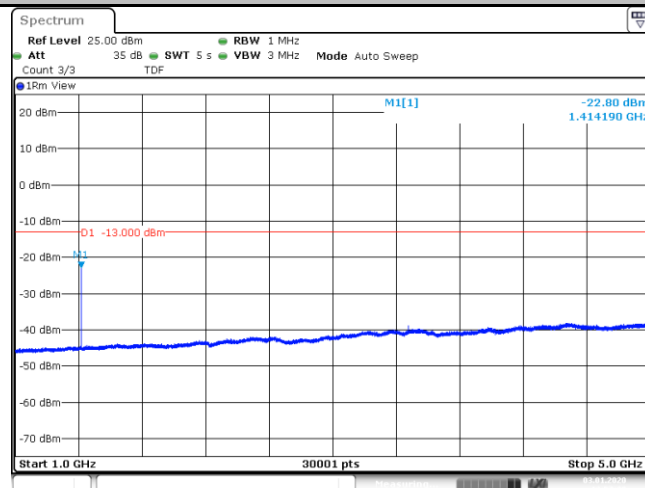
Date: 3.JAN.2020 13:44:00

Band12_1.4MHz_16QAM_23017_1_0_Low_5000_12000_-47.68_PASS__



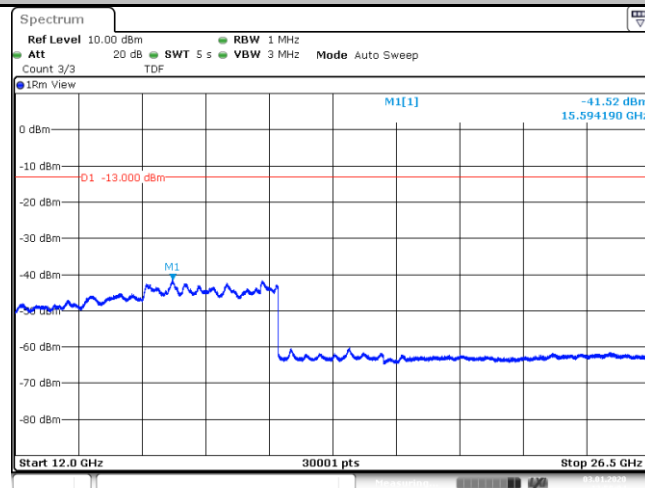
Date: 3.JAN.2020 13:43:38

Band12_1.4MHz_16QAM_23095_1_0_Low_1000_5000_-22.8_PASS__



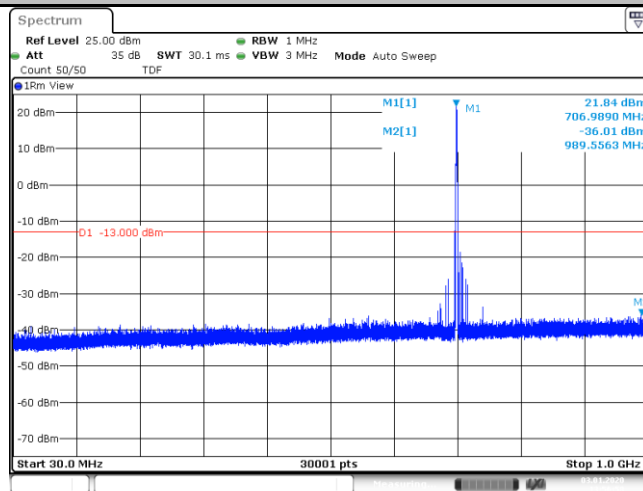
Date: 3.JAN.2020 13:57:20

Band12_1.4MHz_16QAM_23095_1_0_Low_12000_26500_-41.52_PASS__

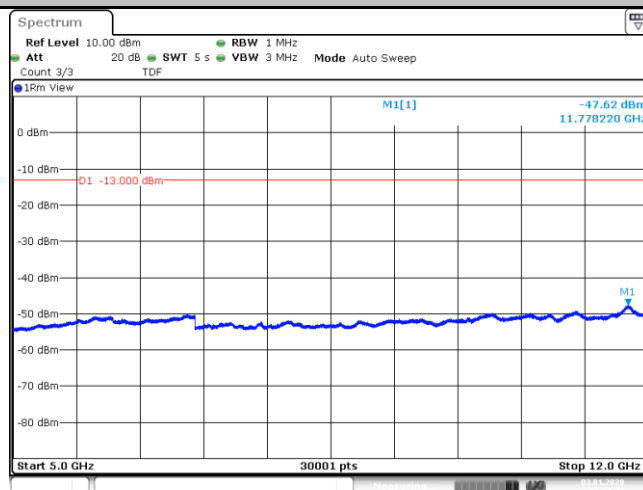


Date: 3.JAN.2020 13:58:04

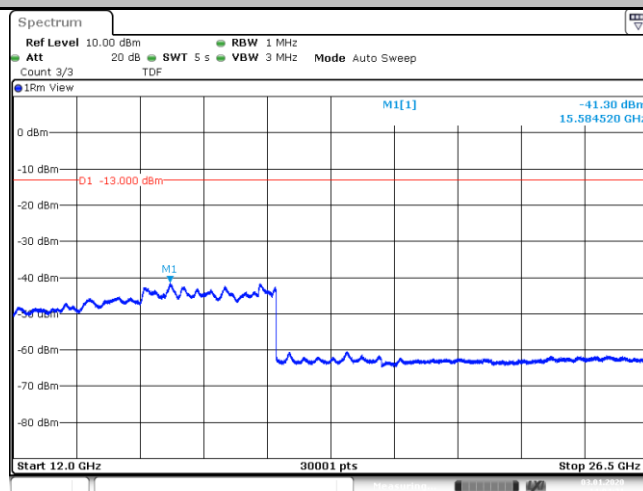
Band12_1.4MHz_16QAM_23095_1_0_Low_30_1000_-36.01_PASS__



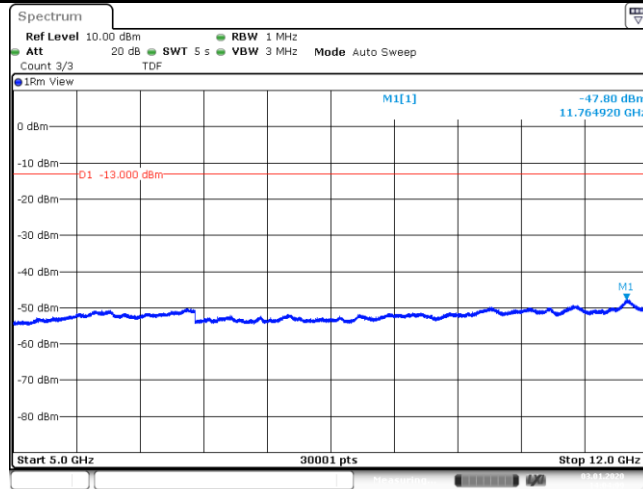
Band12_1.4MHz_16QAM_23095_1_0_Low_5000_12000_-47.62_PASS__



Band12_1.4MHz_16QAM_23173_1_5_Low_12000_26500_-41.3_PASS__

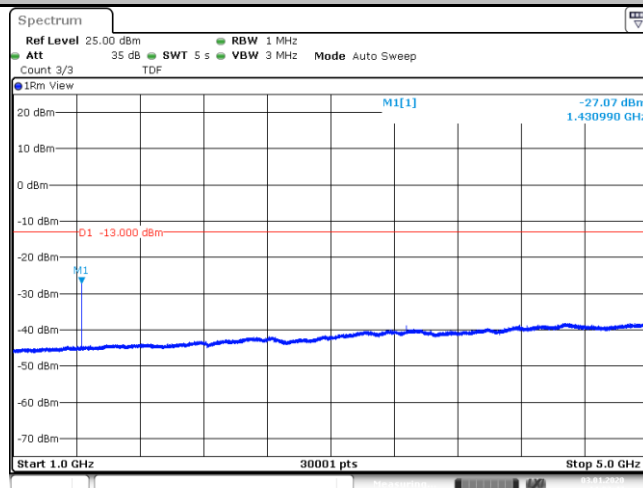


Band12_1.4MHz_16QAM_23173_1_5_Low_5000_12000_-47.8_PASS_



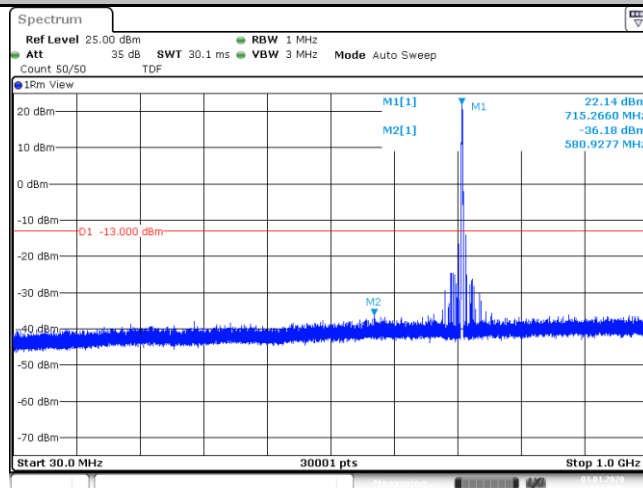
Date: 3.JAN.2020 14:04:09

Band12_1.4MHz_16QAM_23173_1_5_Low_1000_5000_-27.07_PASS_



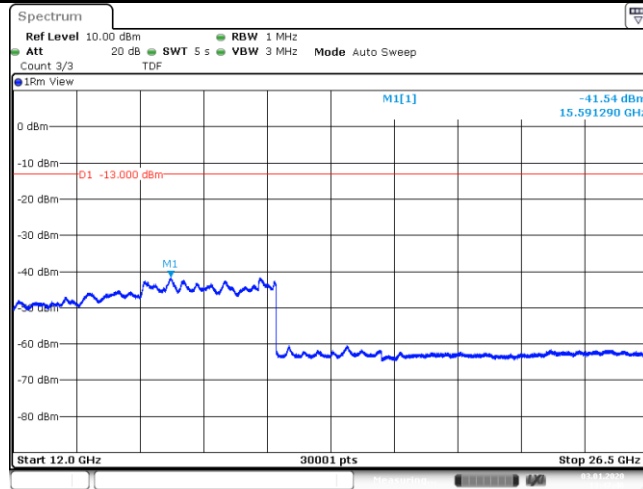
Date: 3.JAN.2020 14:03:47

Band12_1.4MHz_16QAM_23173_1_5_Low_30_1000_-36.18_PASS_



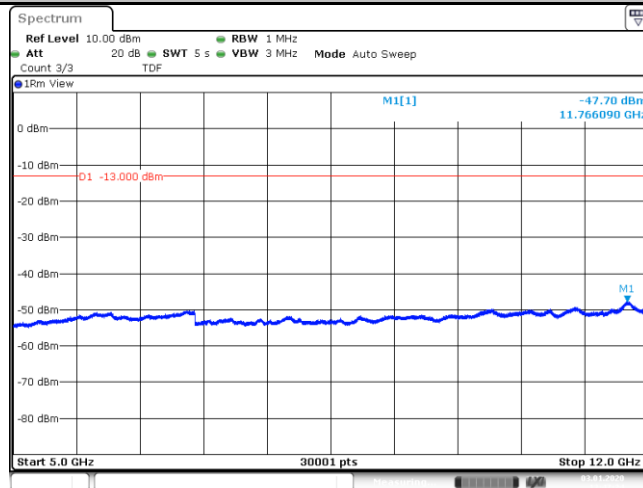
Date: 3.JAN.2020 14:03:25

Band12_1.4MHz_16QAM_23017_6_0_Low_12000_26500_-41.54_PASS_



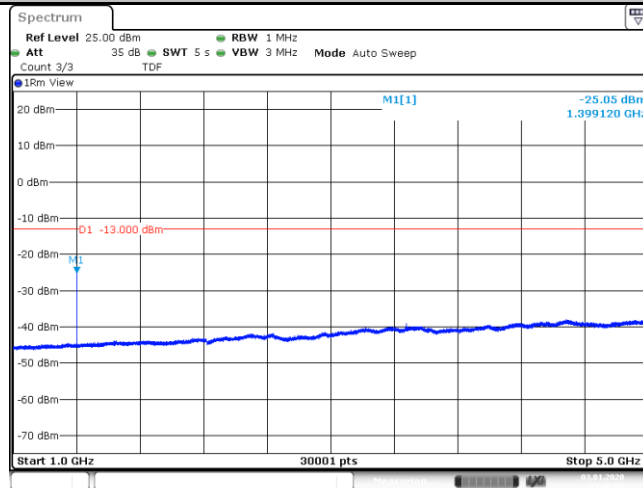
Date: 3.JAN.2020 13:47:46

Band12_1.4MHz_16QAM_23017_6_0_Low_5000_12000_-47.70_PASS_



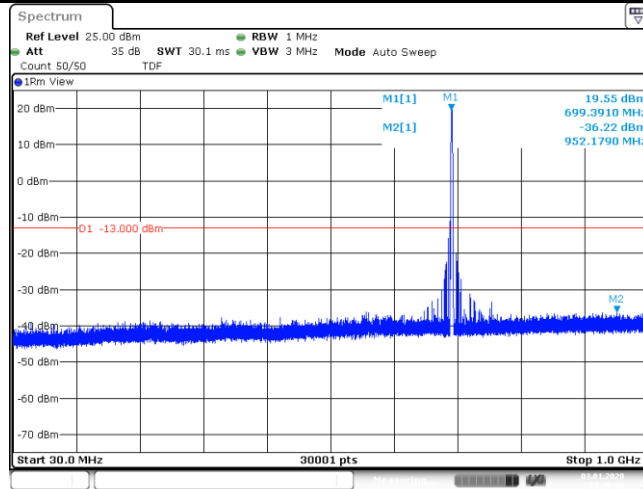
Date: 3.JAN.2020 13:47:24

Band12_1.4MHz_16QAM_23017_6_0_Low_1000_5000_-25.05_PASS_



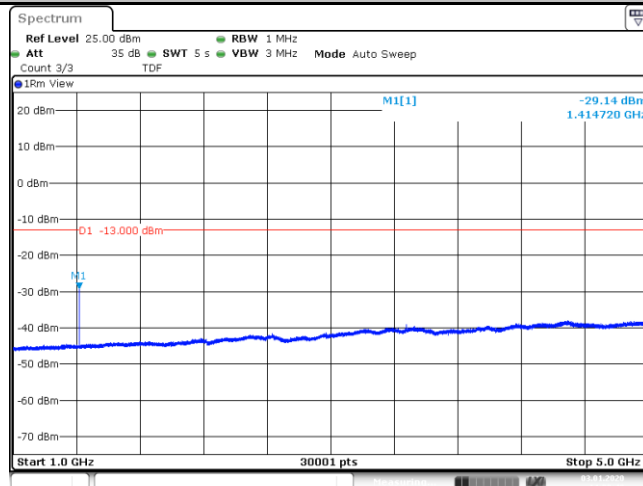
Date: 3.JAN.2020 13:47:02

Band12_1.4MHz_16QAM_23017_6_0_Low_30_1000_-36.22_PASS_



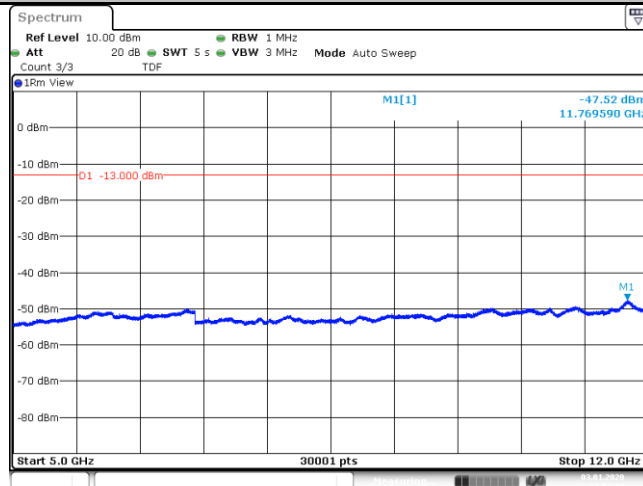
Date: 3.JAN.2020 13:46:40

Band12_1.4MHz_16QAM_23095_6_0_Low_1000_5000_-29.14_PASS_



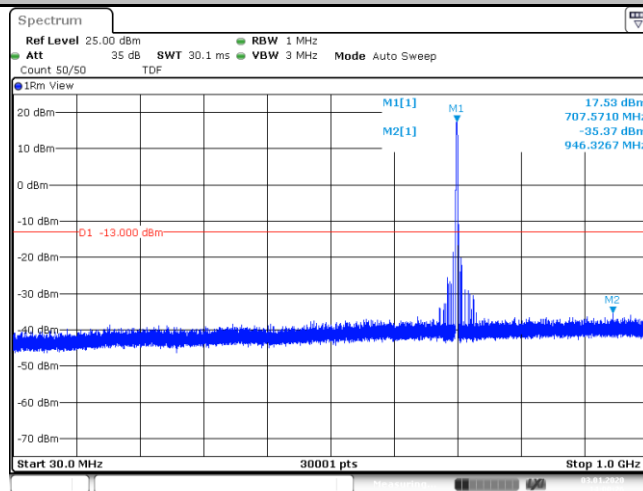
Date: 3.JAN.2020 14:00:48

Band12_1.4MHz_16QAM_23095_6_0_Low_5000_12000_-47.52_PASS_



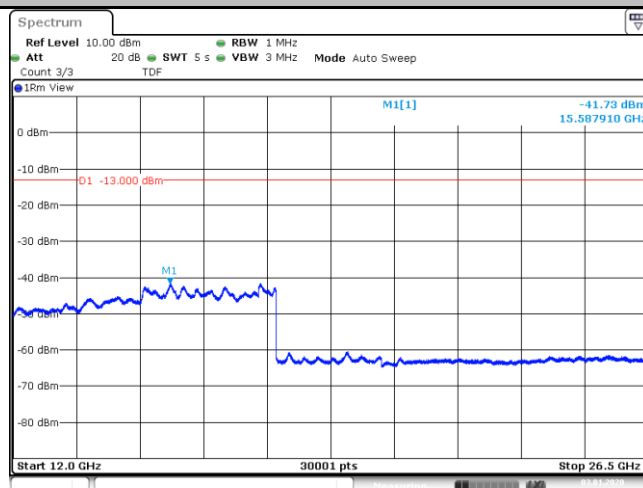
Date: 3.JAN.2020 14:01:10

Band12_1.4MHz_16QAM_23095_6_0_Low_30_1000_-35.37_PASS__



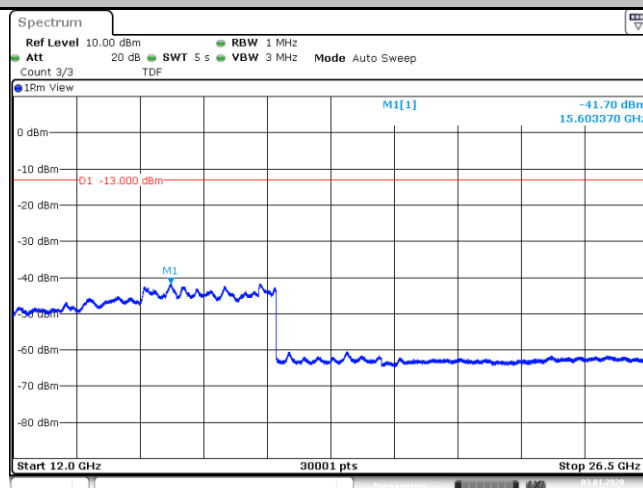
Date: 3.JAN.2020 14:00:26

Band12_1.4MHz_16QAM_23095_6_0_Low_12000_26500_-41.73_PASS__



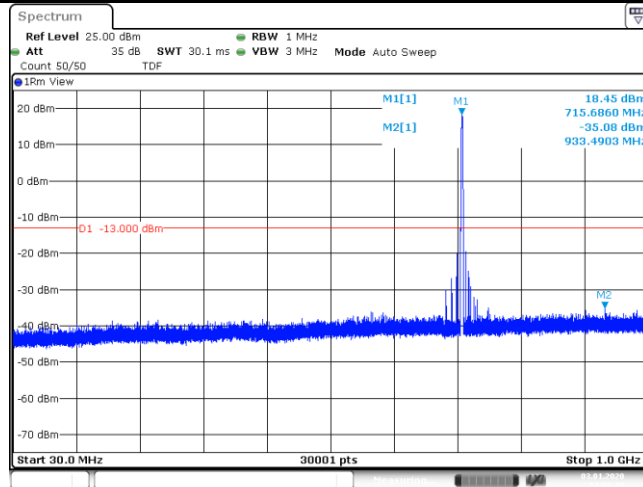
Date: 3.JAN.2020 14:01:32

Band12_1.4MHz_16QAM_23173_6_0_Low_12000_26500_-41.7_PASS__

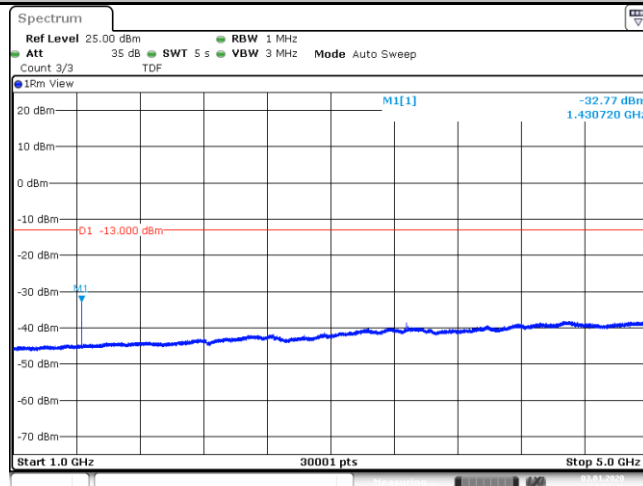


Date: 3.JAN.2020 14:07:25

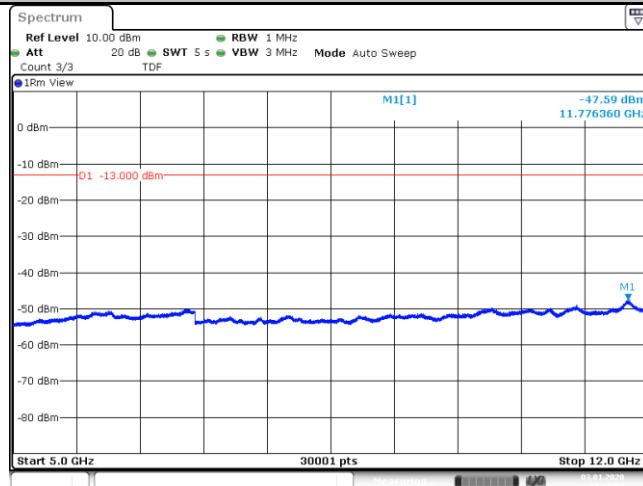
Band12_1.4MHz_16QAM_23173_6_0_Low_30_1000_-35.08_PASS__



Band12_1.4MHz_16QAM_23173_6_0_Low_1000_5000_-32.77_PASS__



Band12_1.4MHz_16QAM_23173_6_0_Low_5000_12000_-47.59_PASS__



Appendix D.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
Band12	1.4MHz	QPSK	23095	1	0	Low	HV	NT	-9.00	-0.012721	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	LV	NT	-9.24	-0.013060	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	NT	-8.98	-0.012693	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	HV	NT	-8.91	-0.012594	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	LV	NT	-7.30	-0.010318	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	NT	-8.61	-0.012170	±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
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	85	-6.27	-0.008862	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	-30	-7.95	-0.011237	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	-20	-10.89	-0.015392	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	-10	-7.57	-0.010700	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	0	-8.63	-0.012198	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	10	-9.51	-0.013442	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	20	-7.75	-0.010954	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	30	-7.18	-0.010148	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	40	-8.60	-0.012155	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	50	-9.04	-0.012777	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	60	-8.35	-0.011802	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	70	-6.91	-0.009767	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	-40	-8.68	-0.012269	±2.5	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	NV	80	-6.78	-0.009583	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	85	-5.69	-0.008042	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	-30	-8.35	-0.011802	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	-20	-6.79	-0.009597	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	-10	-6.77	-0.009569	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	0	-7.00	-0.009894	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	10	-7.60	-0.010742	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	20	-7.77	-0.010982	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	30	-6.98	-0.009866	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	40	-5.81	-0.008212	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	50	-9.66	-0.013654	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	60	-6.57	-0.009286	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	70	-6.87	-0.009710	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	80	-7.22	-0.010205	±2.5	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	NV	-40	-8.24	-0.011647	±2.5	PASS