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Appendix for LTE Band 12

Applicant: AIR-U Co., Ltd.

**Address: Yamaki 2nd BLDG, 8F, 3-4-2, Nishishinbashi, Minato-ku,
Tokyo, Japan**

Product Name: 4G Wireless Data Terminal

Model: CAW23A301

FCC ID: 2ATHM-CAW23A301

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1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.17	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.03	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.07	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.10	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.14	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.14	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.05	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.18	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.12	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.17	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.14	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.29	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.35	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.10	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.05	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.21	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.17	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.00	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.30	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.91	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.03	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	24.06	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	24.13	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	24.13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.03	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.56	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.16	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	24.15	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	24.24	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	24.28	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.31	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.99	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	24.27	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	24.16	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.99	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.45	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.15	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.36	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.23	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.32	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.37	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.17	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.22	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.17	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.33	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.24	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.06	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.61	PASS
Band12	3MHz	QPSK	23095	8RB#7	24.17	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.40	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.11	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.21	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.01	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.37	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.44	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.23	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.39	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.35	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.92	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.30	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.31	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.93	PASS
Band12	3MHz	16QAM	23025	8RB#7	23.16	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.14	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.58	PASS

Band12	3MHz	16QAM	23095	1RB#8	23.90	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.22	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.61	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.60	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.66	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.23	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.52	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.42	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.29	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.45	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.45	PASS
Band12	3MHz	16QAM	23165	8RB#7	23.24	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.51	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.38	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.40	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.12	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.28	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.27	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.22	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.35	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.02	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.13	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.21	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.20	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.19	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.44	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.30	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.33	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.48	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.03	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.49	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.45	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.23	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.33	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.34	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.46	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.00	PASS
Band12	5MHz	16QAM	23035	12RB#0	23.27	PASS

Band12	5MHz	16QAM	23035	12RB#6	23.27	PASS
Band12	5MHz	16QAM	23035	12RB#13	23.21	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.33	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.41	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.69	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.04	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.19	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.19	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.32	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.58	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.31	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.42	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.08	PASS
Band12	5MHz	16QAM	23155	12RB#0	23.45	PASS
Band12	5MHz	16QAM	23155	12RB#6	23.45	PASS
Band12	5MHz	16QAM	23155	12RB#13	23.25	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.47	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.88	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.20	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.04	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.11	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.12	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.15	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.22	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.16	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.21	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.33	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.23	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.24	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.37	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.25	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.02	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.34	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.86	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.31	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.28	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.35	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.28	PASS

Band12	10MHz	16QAM	23060	1RB#0	22.62	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.05	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.15	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.12	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.12	PASS
Band12	10MHz	16QAM	23060	25RB#25	23.13	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.07	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.72	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.57	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.32	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.24	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.24	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.36	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.48	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.14	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.45	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.04	PASS
Band12	10MHz	16QAM	23130	25RB#0	23.28	PASS
Band12	10MHz	16QAM	23130	25RB#12	23.28	PASS
Band12	10MHz	16QAM	23130	25RB#25	23.35	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.48	PASS

1.2. Appendix B: Peak-to-Average Ratio(CCDF)

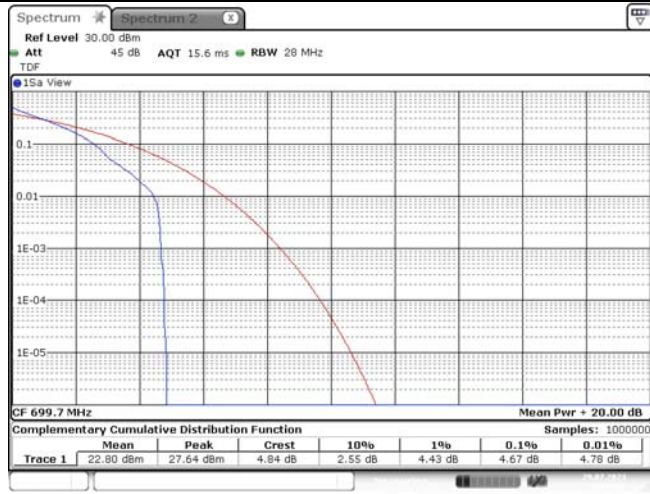
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.67	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.19	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.61	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.10	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.61	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.07	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.77	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.00	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.68	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.94	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.62	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.88	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.70	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.25	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.61	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.13	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.93	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.77	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.06	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.48	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.97	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.97	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.97	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.64	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.28	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.58	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.16	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.81	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.22	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.57	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.48	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.91	13	PASS

Band12	5MHz	16QAM	23155	1RB#0	5.59	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.94	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.64	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.13	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.72	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.07	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.52	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.19	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.80	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.94	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.88	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	5.97	13	PASS

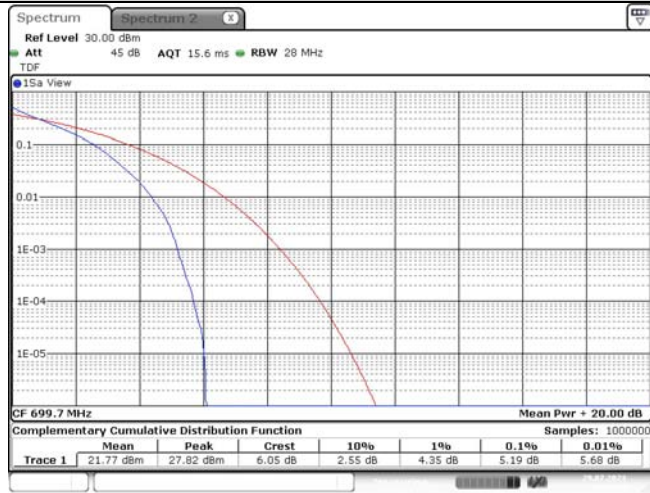
Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



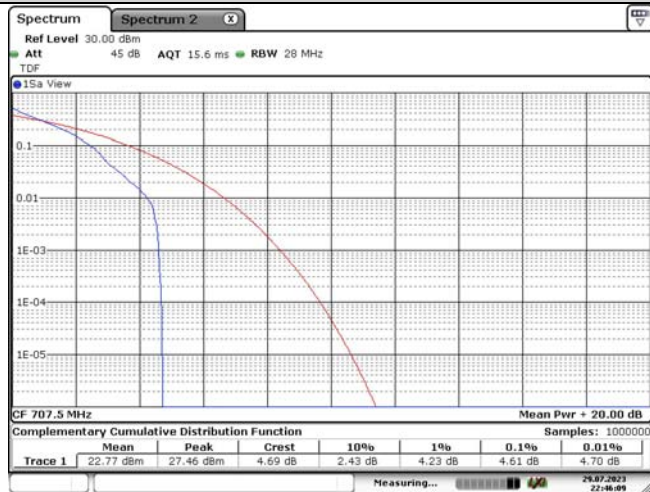
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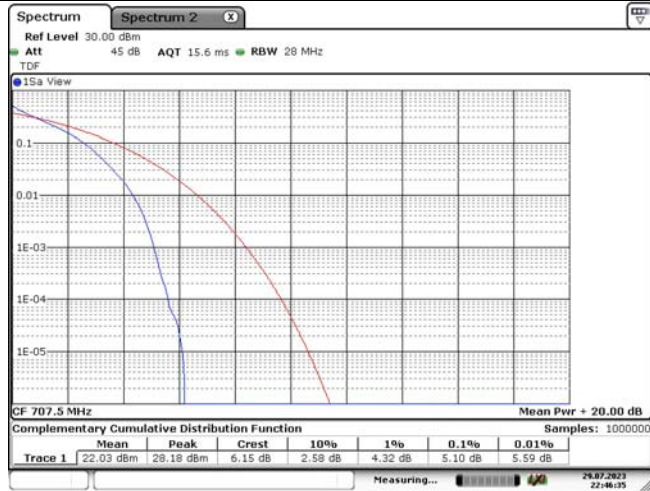
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Date: 29.JUL.2023 22:46:09

Band12-1.4MHz-QPSK-23095-6RB#0



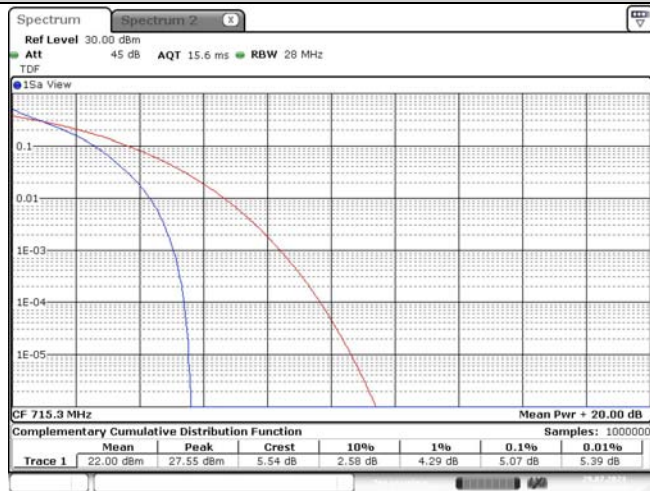
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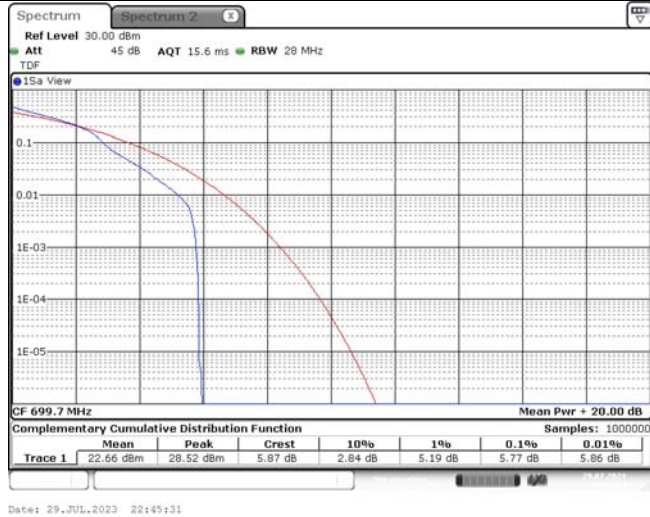
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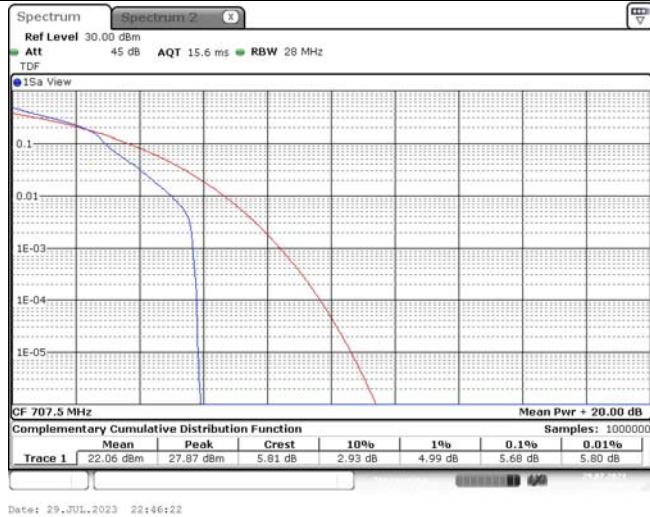
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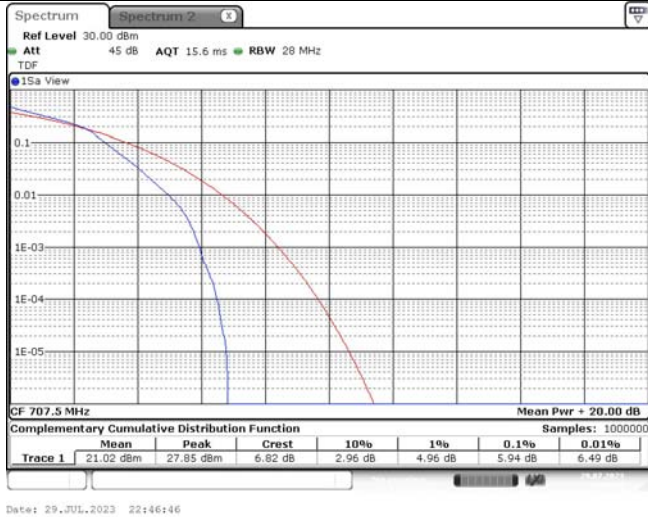
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Band12-1.4MHz-16QAM-23095-1RB#0



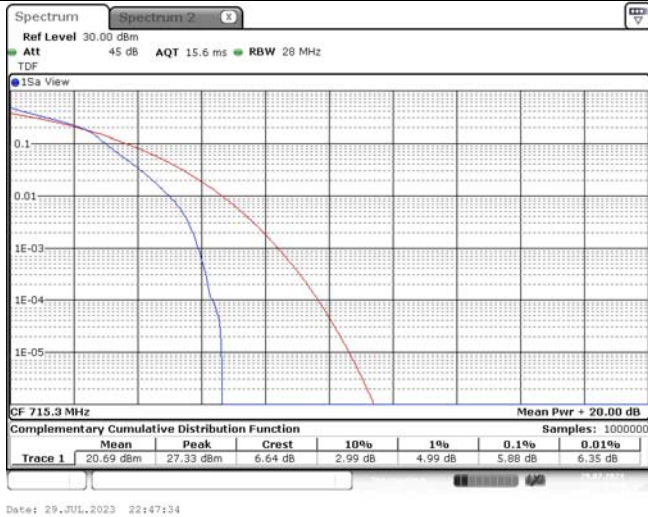
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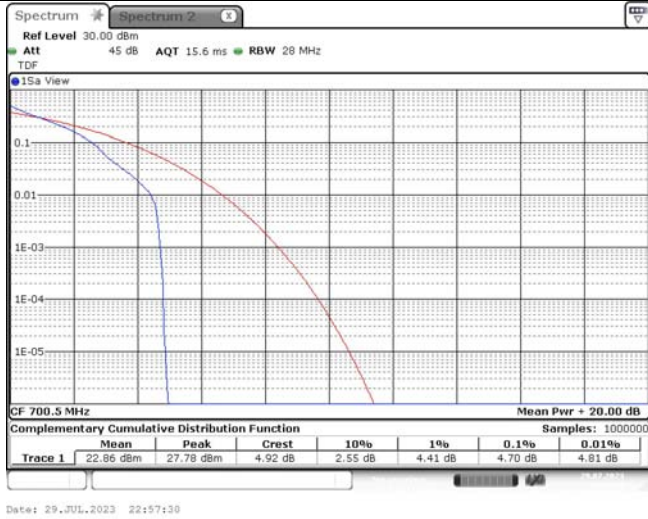
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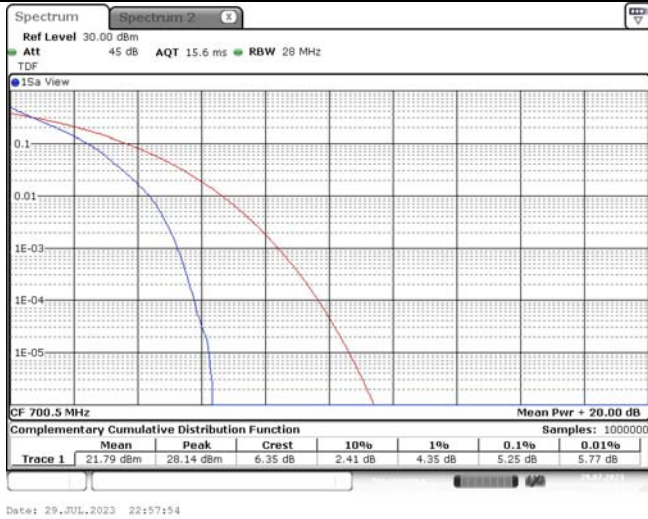
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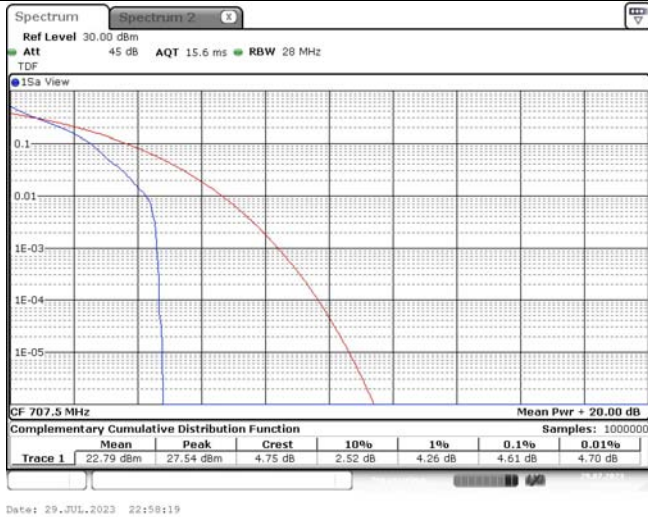
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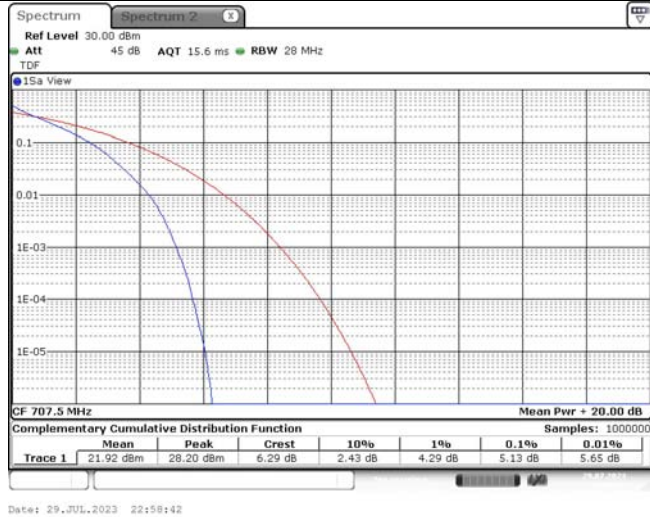
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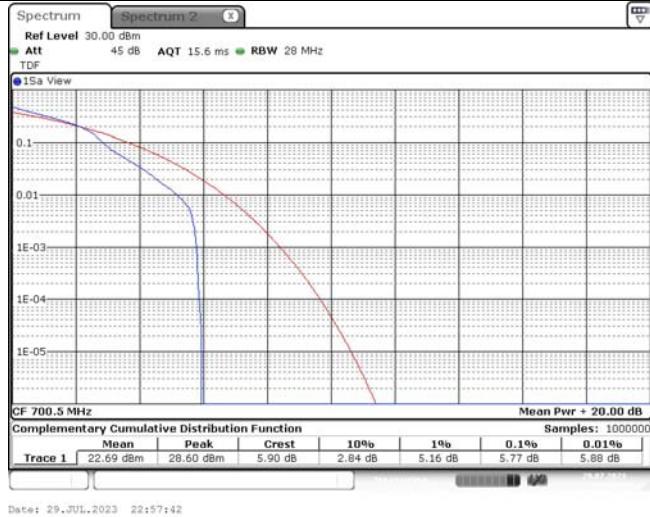
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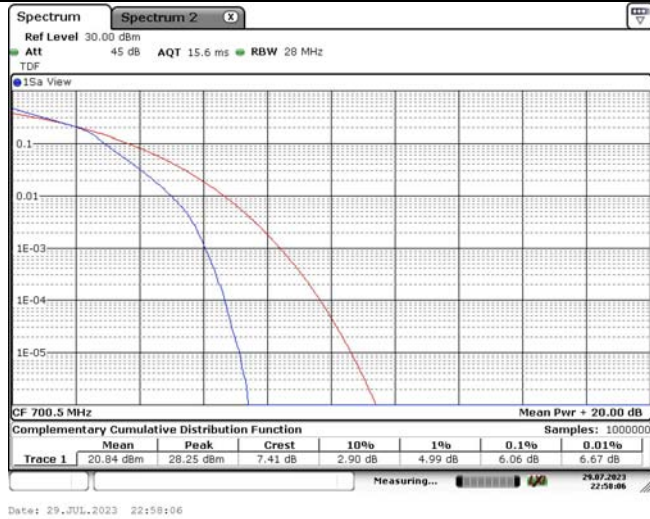
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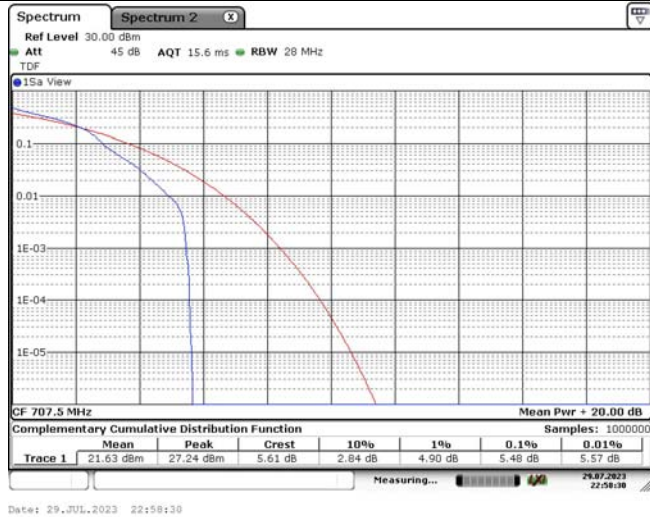
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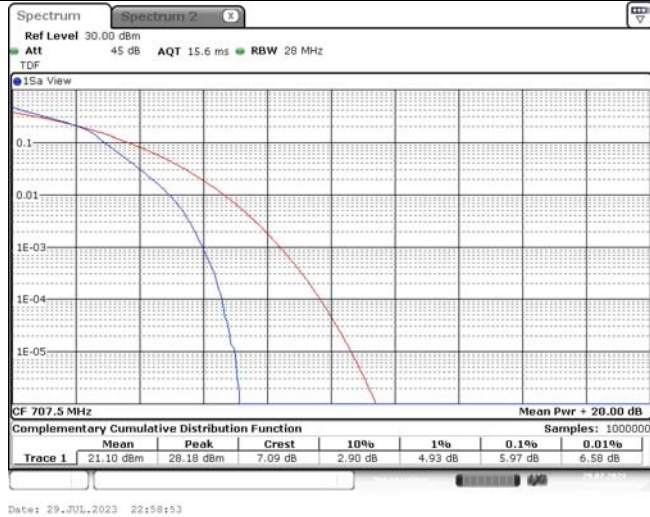
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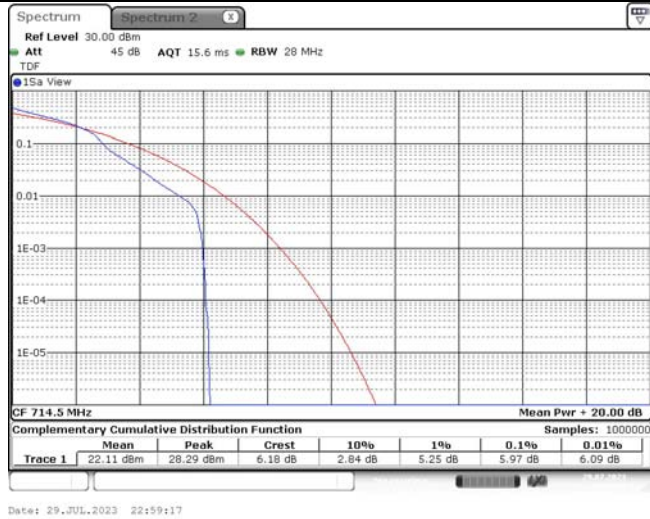
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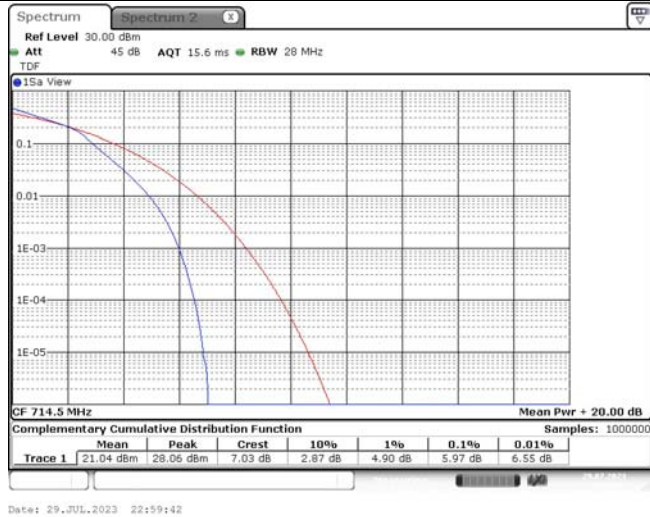
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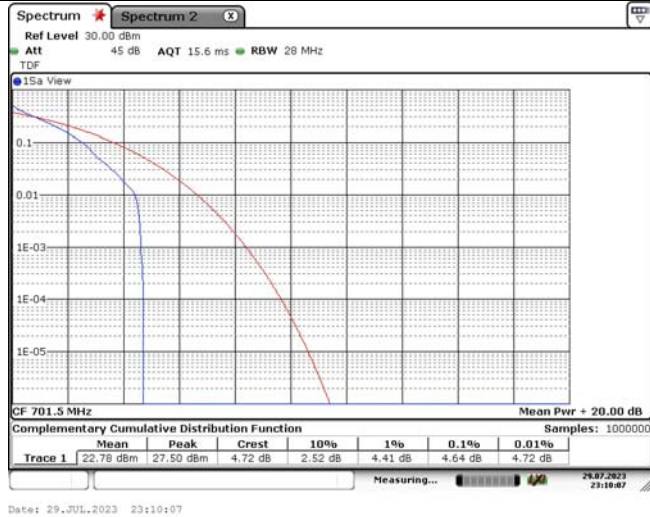
Band12-3MHz-16QAM-23165-1RB#0



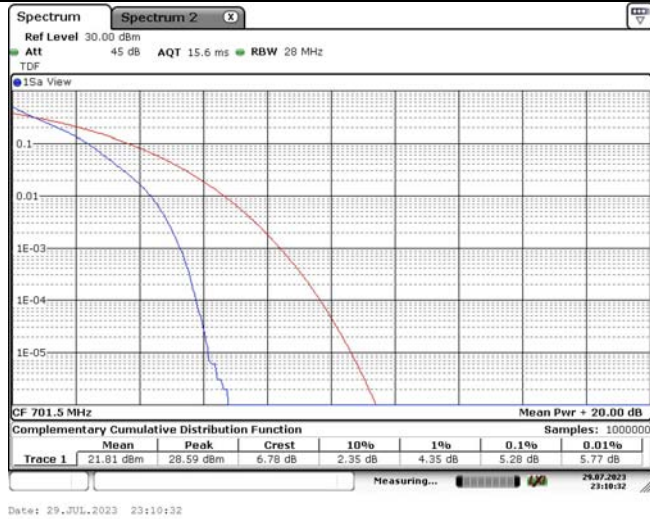
Band12-3MHz-16QAM-23165-15RB#0



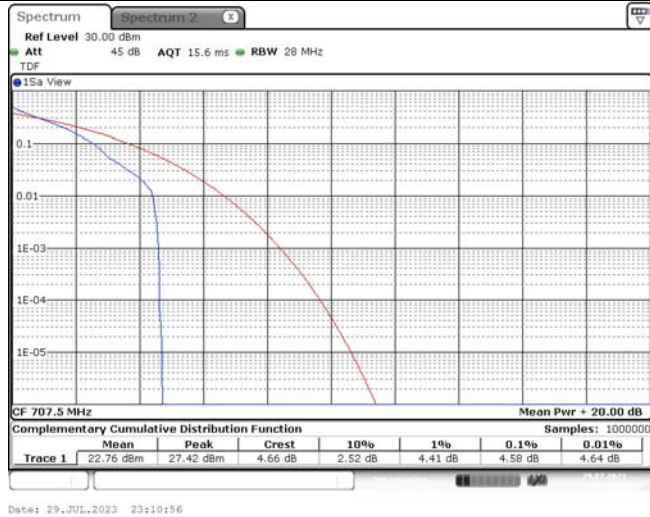
Band12-5MHz-QPSK-23035-1RB#0



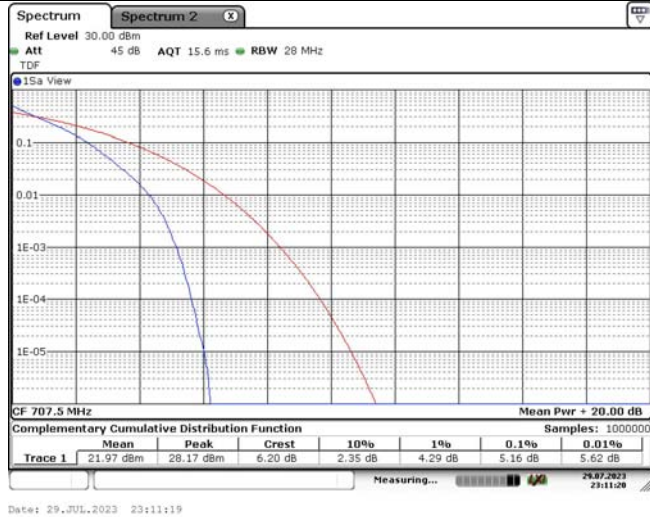
Band12-5MHz-QPSK-23035-25RB#0



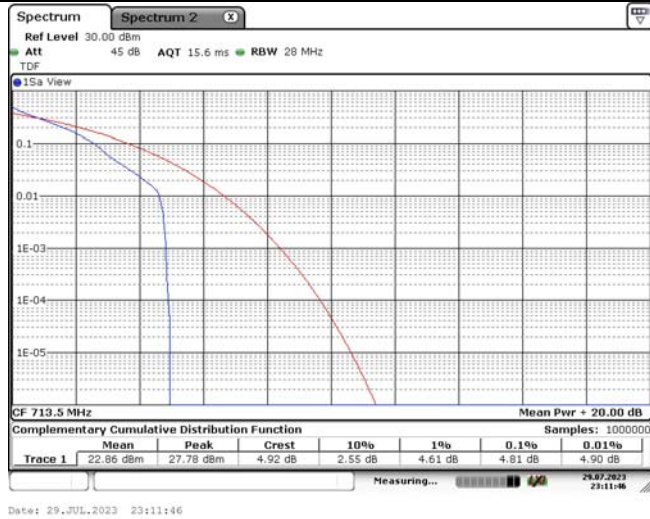
Band12-5MHz-QPSK-23095-1RB#0



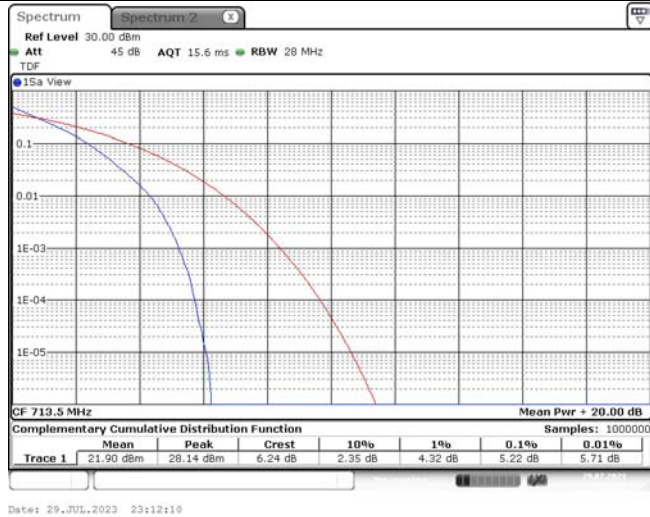
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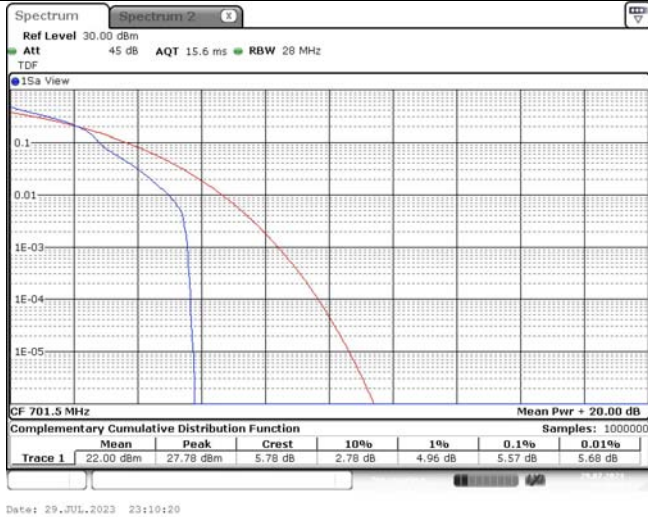
Band12-5MHz-QPSK-23155-1RB#0



Band12-5MHz-QPSK-23155-25RB#0



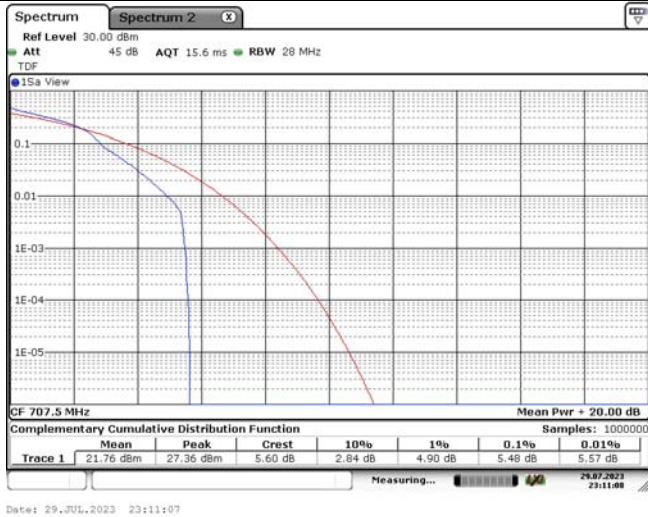
Band12-5MHz-16QAM-23035-1RB#0



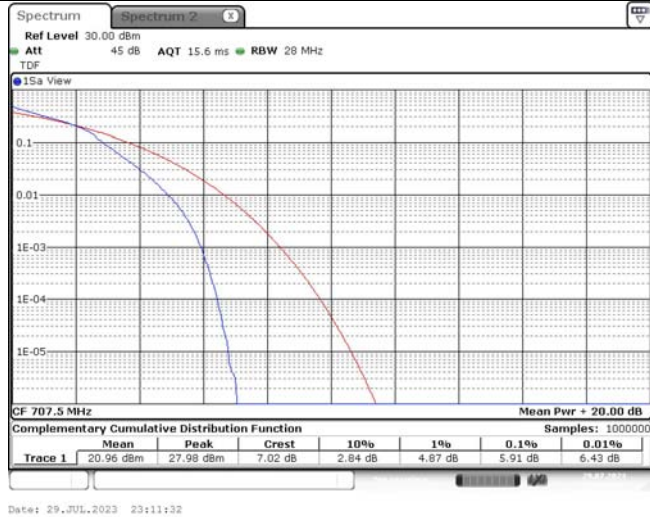
Band12-5MHz-16QAM-23035-25RB#0



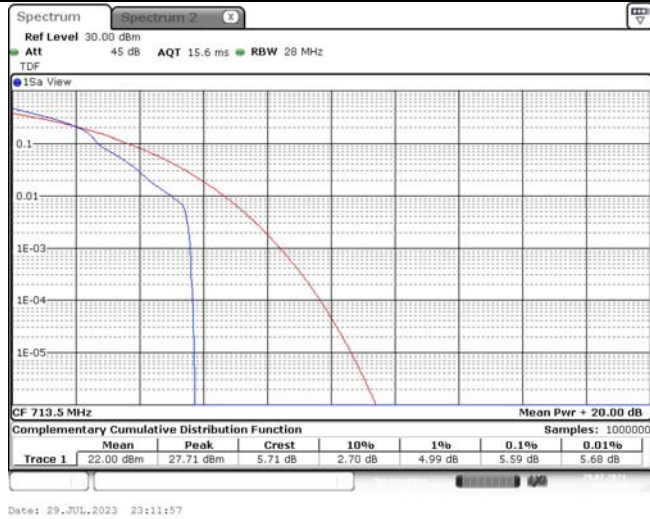
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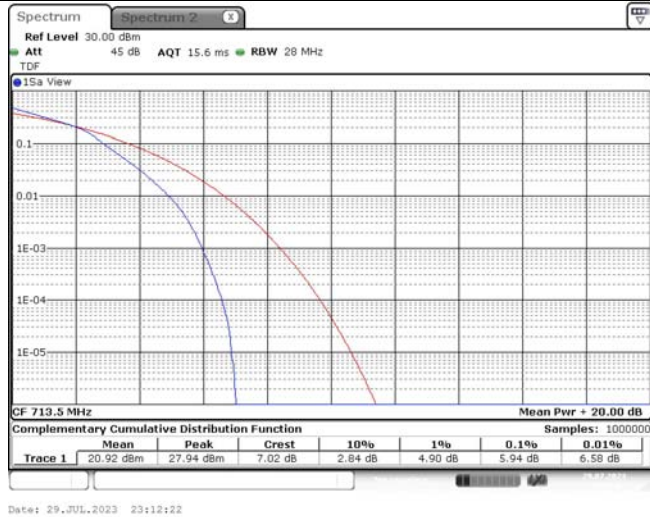
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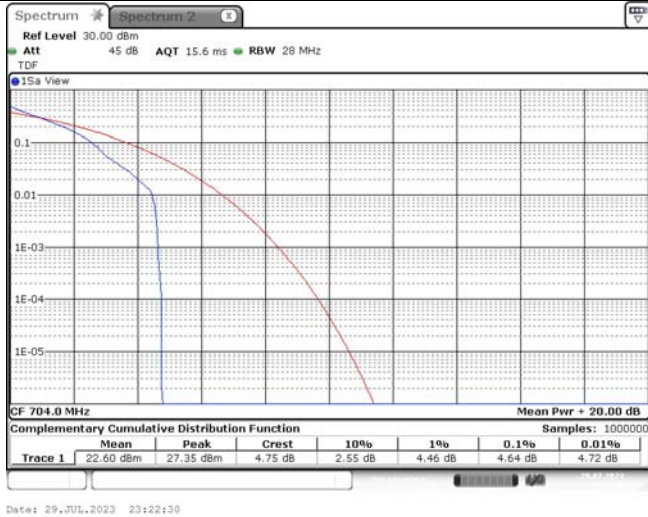
Band12-5MHz-16QAM-23155-1RB#0



Band12-5MHz-16QAM-23155-25RB#0



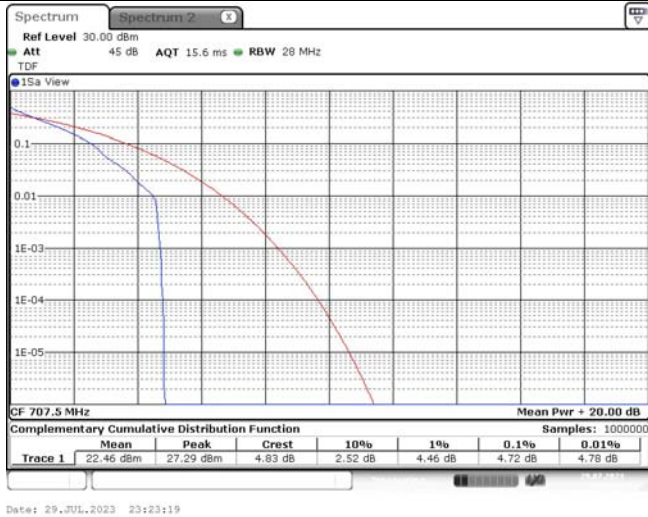
Band12-10MHz-QPSK-23060-1RB#0



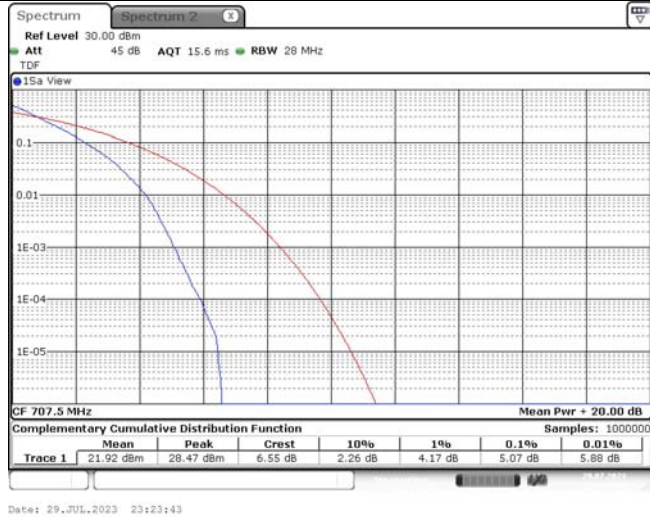
Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-1RB#0



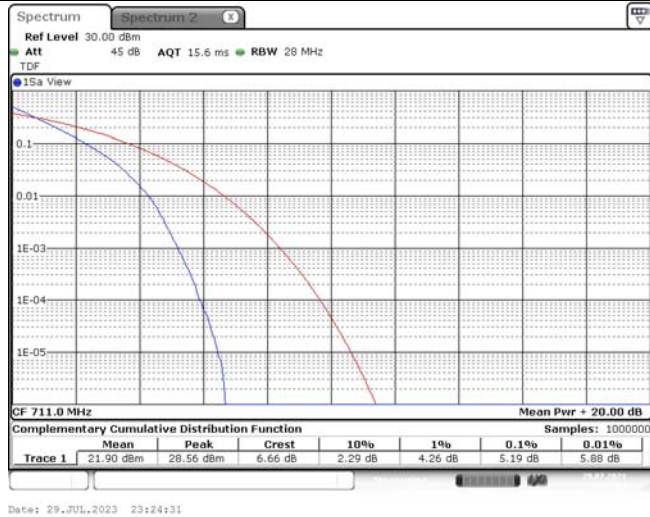
Band12-10MHz-QPSK-23095-50RB#0



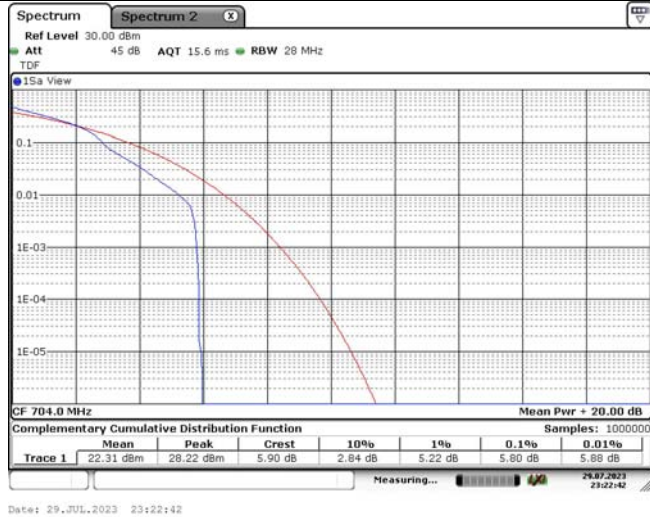
Band12-10MHz-QPSK-23130-1RB#0



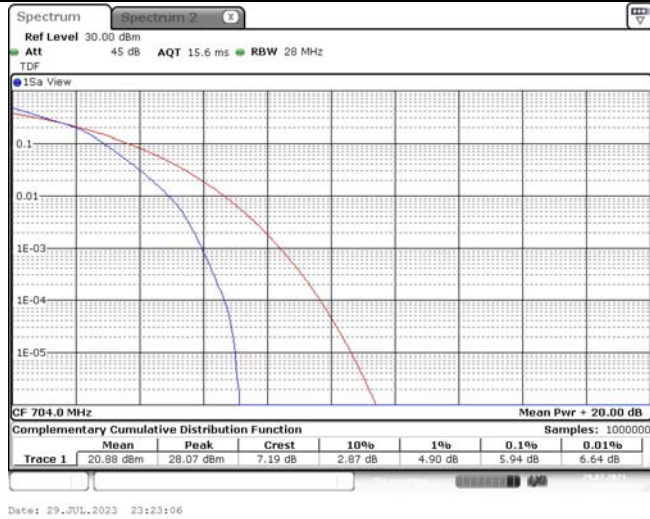
Band12-10MHz-QPSK-23130-50RB#0



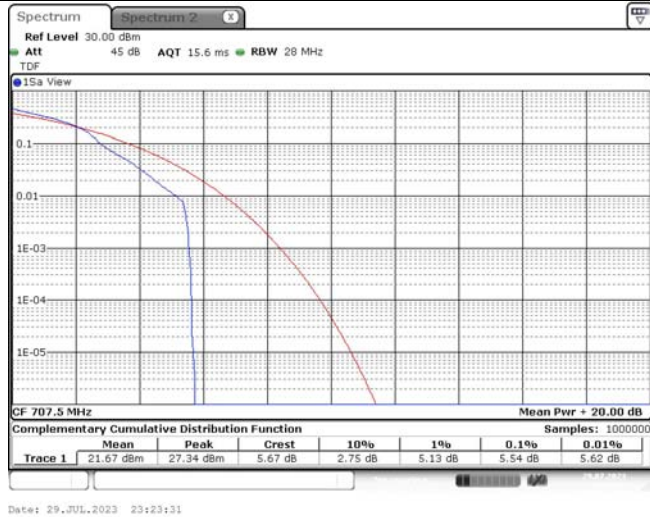
Band12-10MHz-16QAM-23060-1RB#0



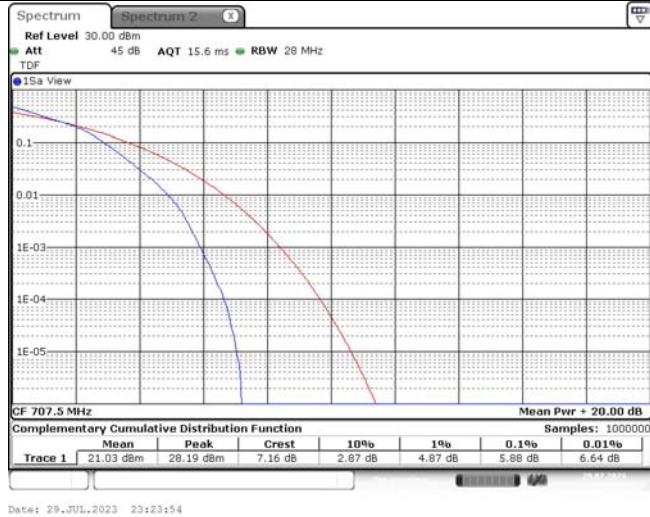
Band12-10MHz-16QAM-23060-50RB#0



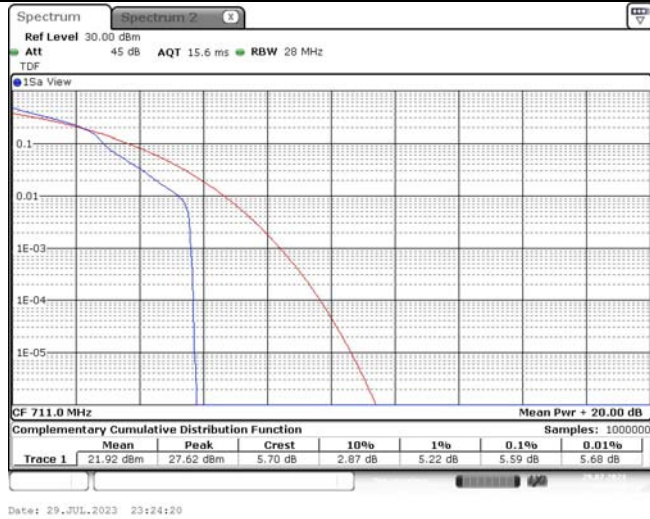
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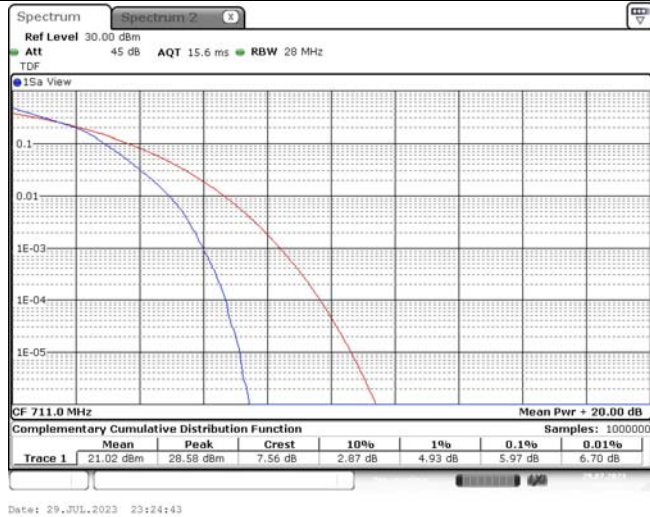
Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-50RB#0



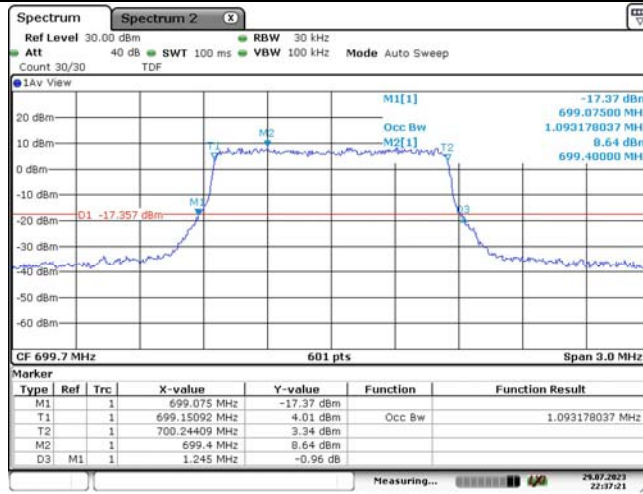
1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.093	1.245	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.240	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.088	1.230	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.240	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.088	1.210	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.250	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.705	2.860	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.696	2.880	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.705	2.890	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.686	2.850	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.696	2.880	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.696	2.860	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.496	4.790	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.496	4.780	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.496	4.790	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.505	4.780	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.496	4.790	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.505	4.780	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.952	9.533	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.952	9.533	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.985	9.533	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.952	9.533	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.918	9.533	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.985	9.533	PASS

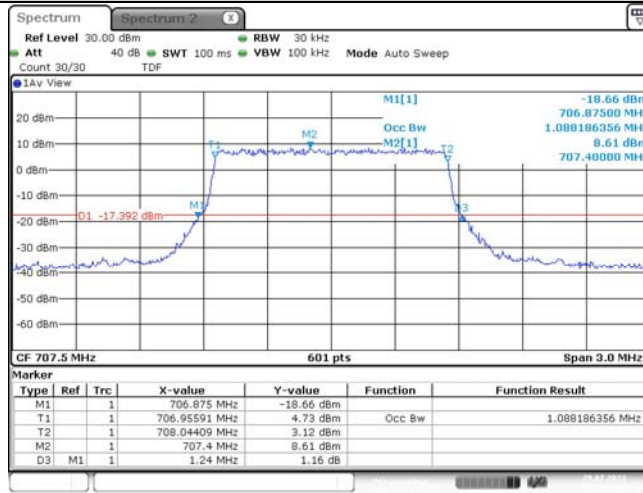
Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0-1.093



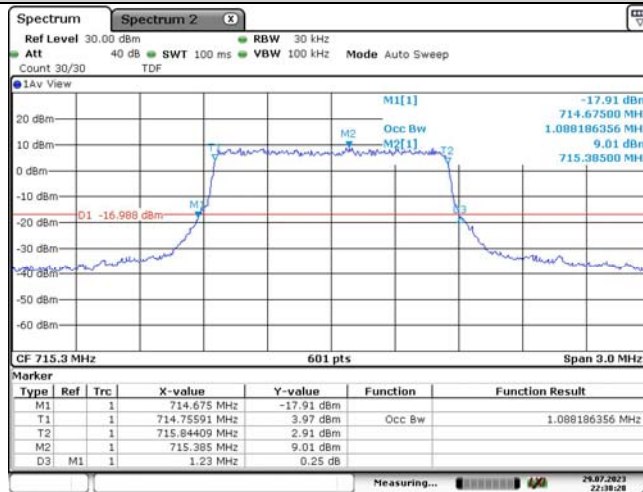
Date: 29.JUL.2023 22:37:20

Band12-1.4MHz-QPSK-23095-6RB#0-1.088



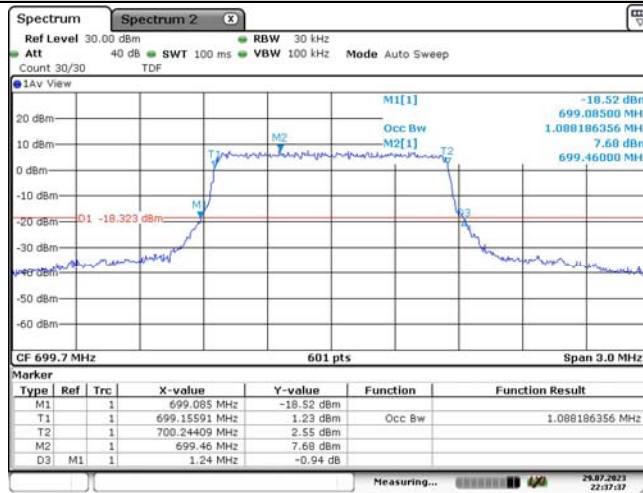
Date: 29.JUL.2023 22:37:54

Band12-1.4MHz-QPSK-23173-6RB#0-1.088



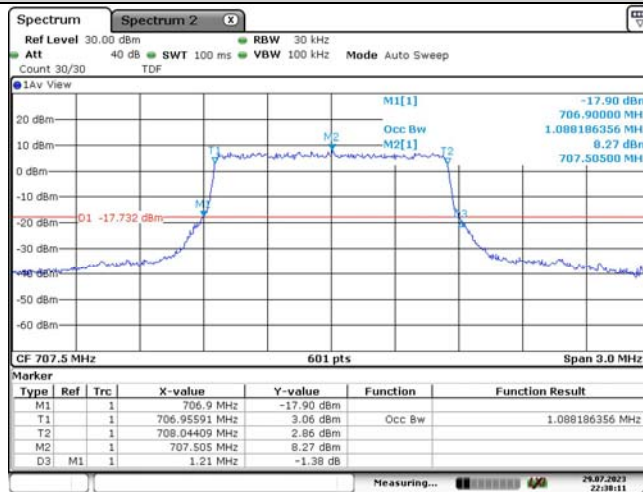
Date: 29.JUL.2023 22:38:28

Band12-1.4MHz-16QAM-23017-6RB#0-1.088



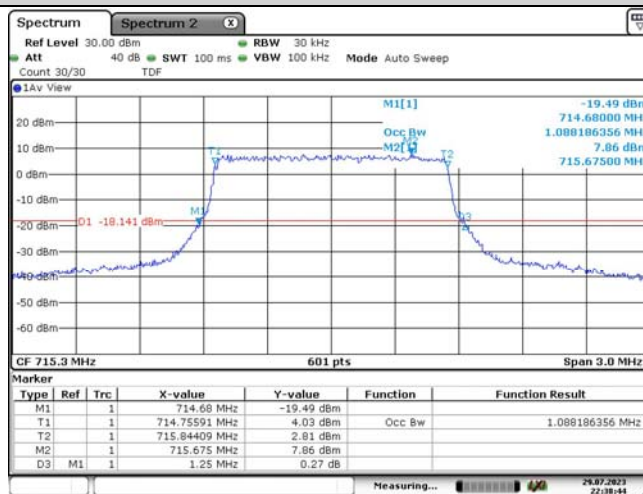
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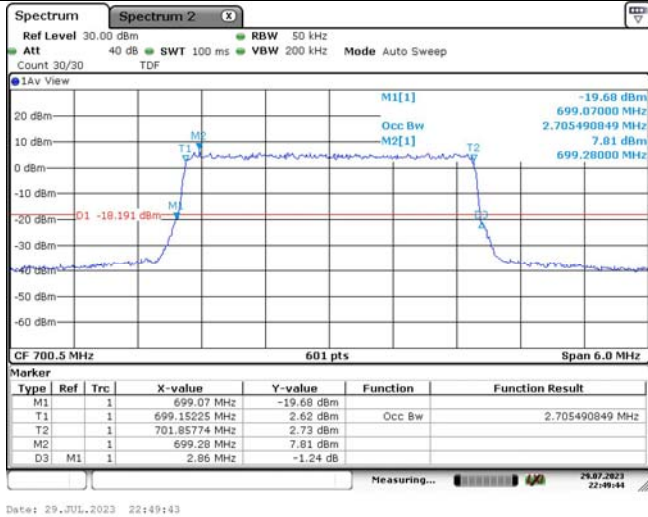
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Band12-1.4MHz-16QAM-23173-6RB#0-1.088

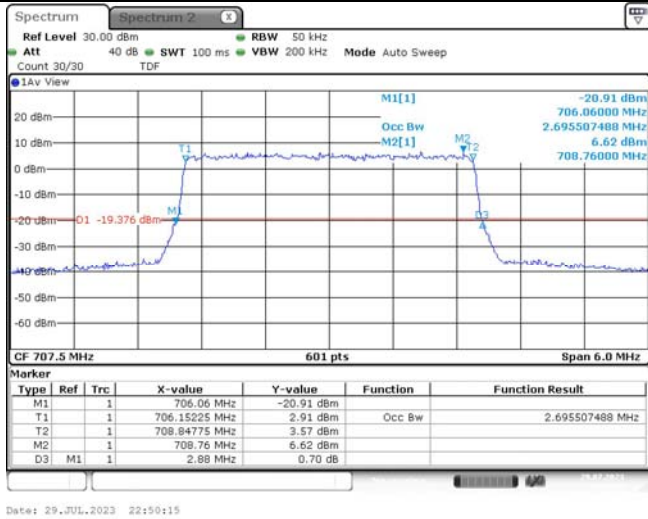


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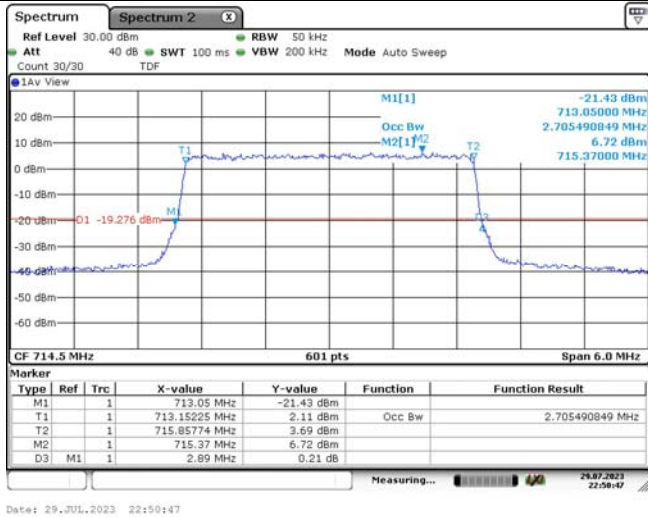
Band12-3MHz-QPSK-23025-15RB#0-2.705



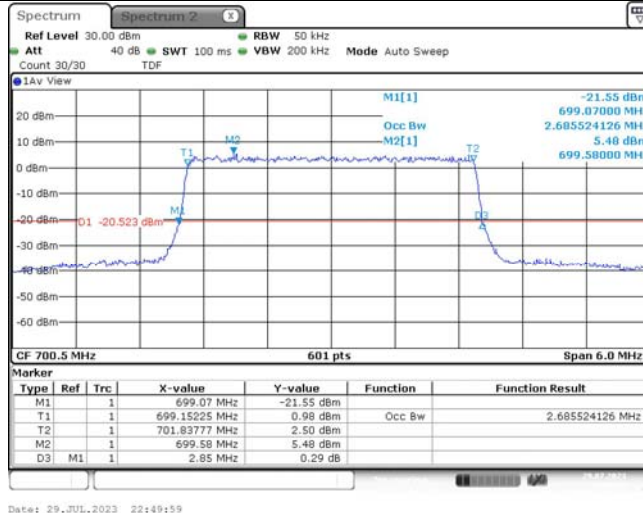
Band12-3MHz-QPSK-23095-15RB#0-2.696



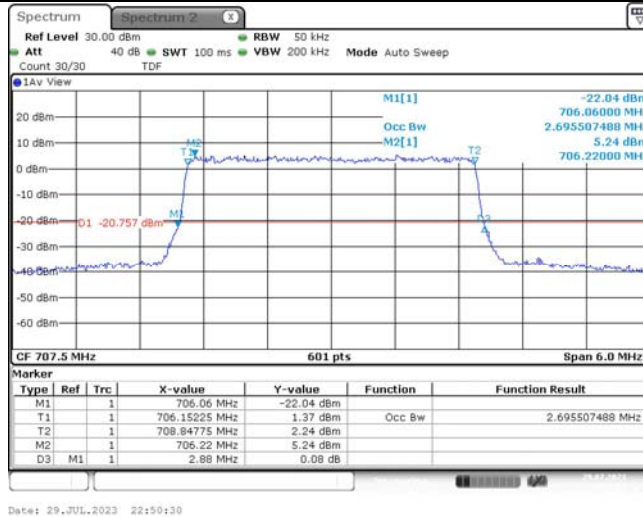
Band12-3MHz-QPSK-23165-15RB#0-2.705



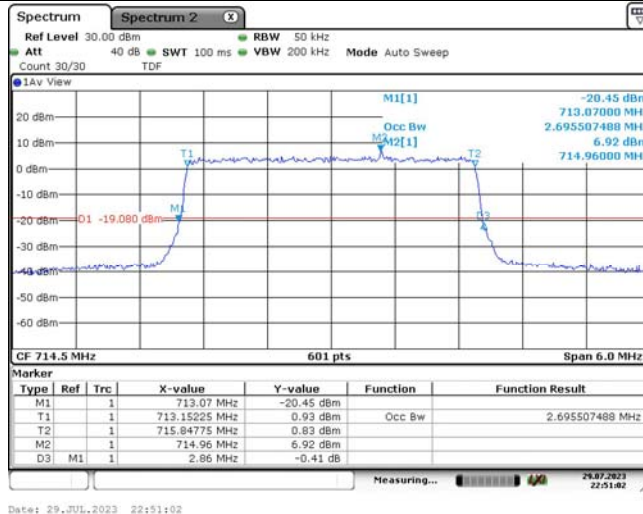
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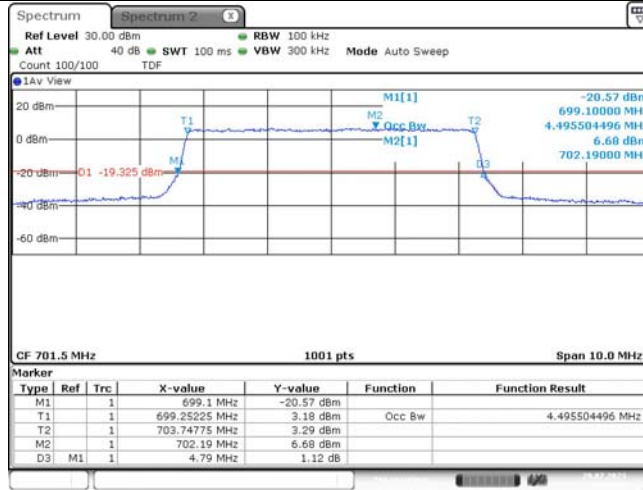
Band12-3MHz-16QAM-23095-15RB#0-2.696



Band12-3MHz-16QAM-23165-15RB#0-2.696

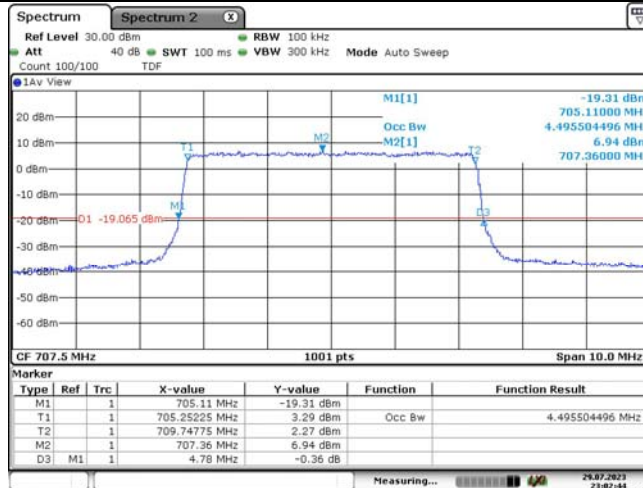


Band12-5MHz-QPSK-23035-25RB#0-4.496



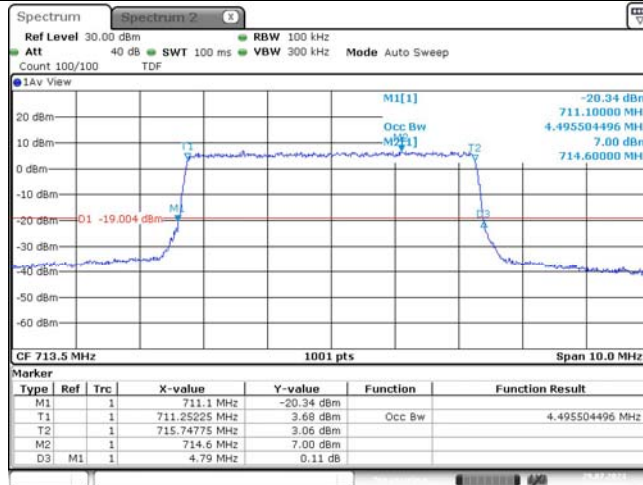
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Band12-5MHz-QPSK-23095-25RB#0-4.496



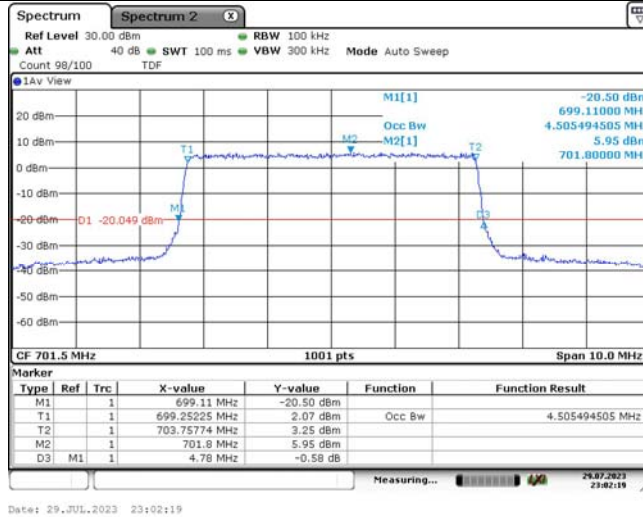
Date: 29.JUL.2023 23:02:43

Band12-5MHz-QPSK-23155-25RB#0-4.496

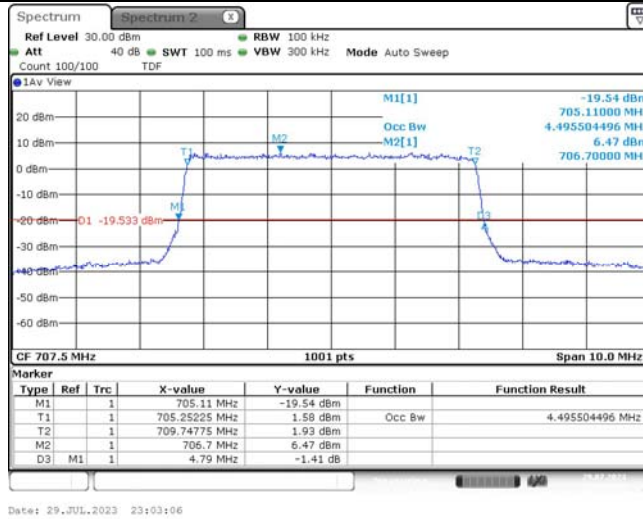


Date: 29.JUL.2023 23:03:30

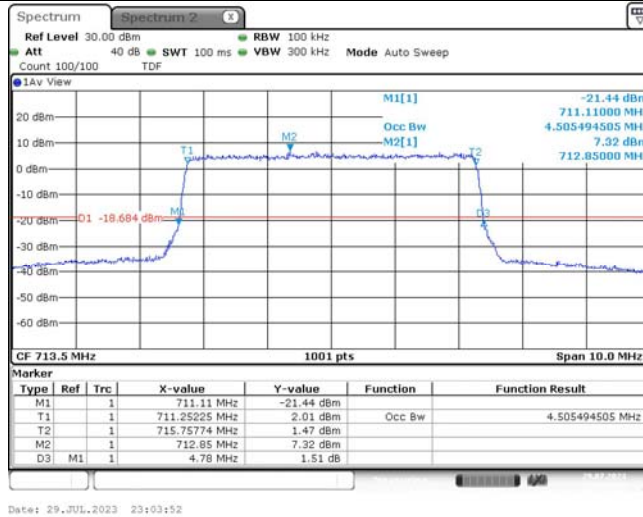
Band12-5MHz-16QAM-23035-25RB#0-4.505



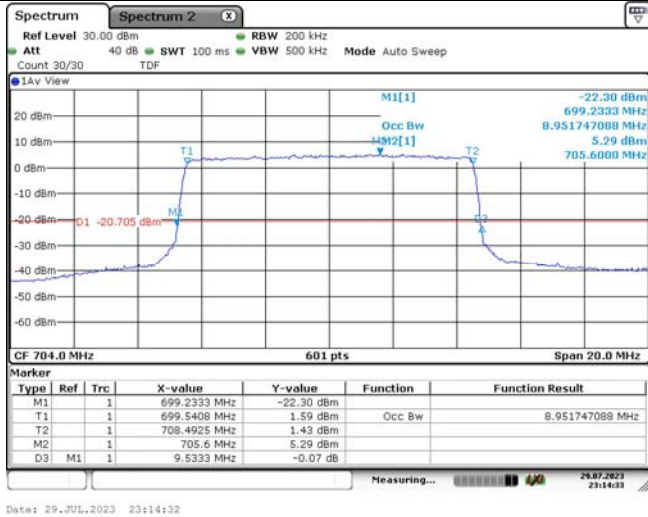
Band12-5MHz-16QAM-23095-25RB#0-4.496



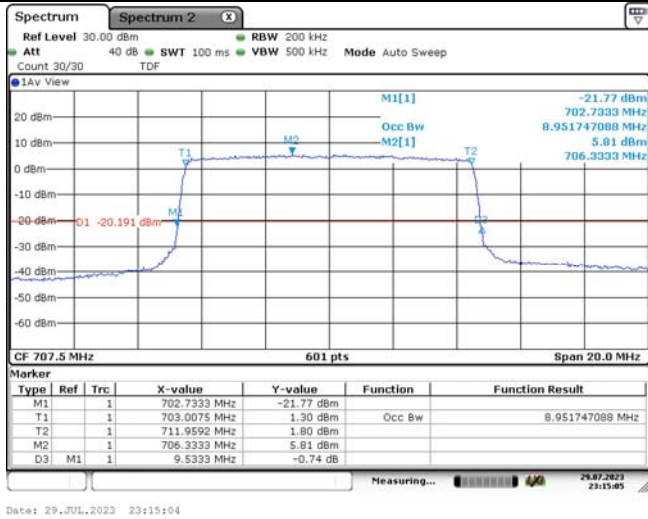
Band12-5MHz-16QAM-23155-25RB#0-4.505



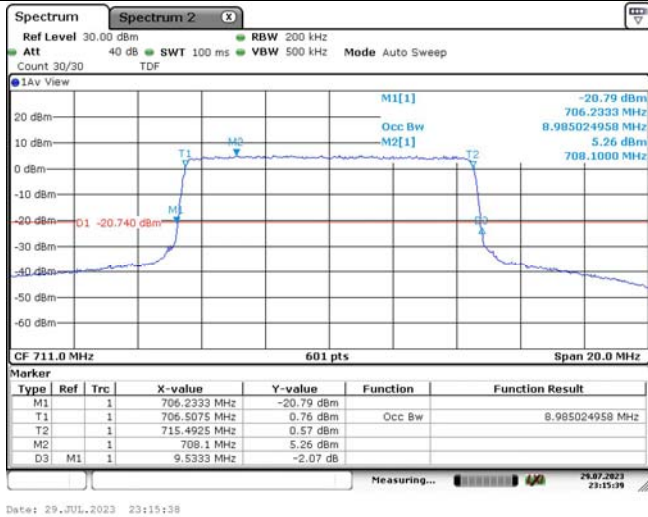
Band12-10MHz-QPSK-23060-50RB#0-8.952



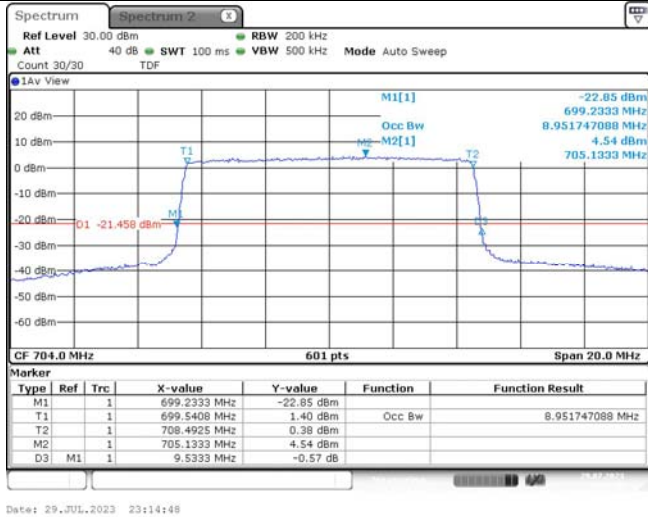
Band12-10MHz-QPSK-23095-50RB#0-8.952



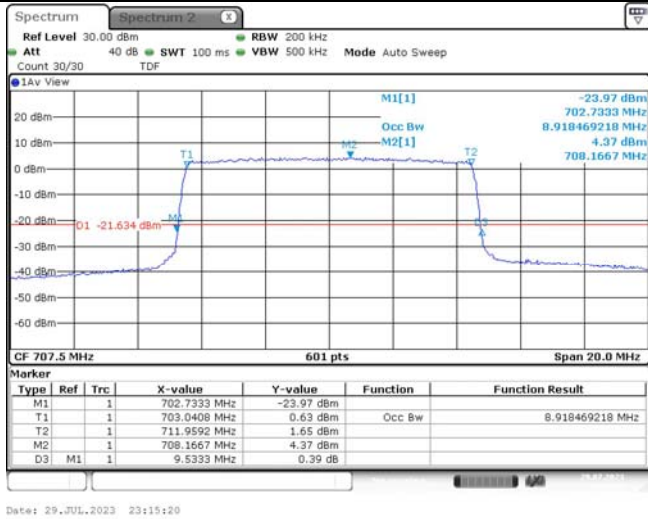
Band12-10MHz-QPSK-23130-50RB#0-8.985



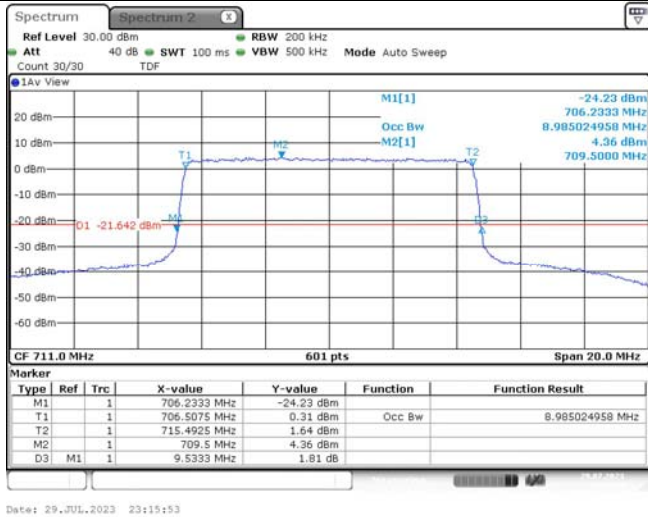
Band12-10MHz-16QAM-23060-50RB#0-8.952



Band12-10MHz-16QAM-23095-50RB#0-8.918



Band12-10MHz-16QAM-23130-50RB#0-8.985



1.4. Appendix D: Band Edge

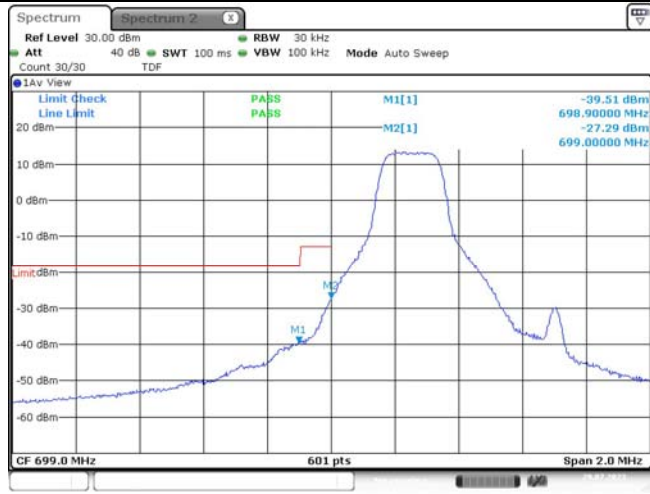
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-39.51,-27.29	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-49.00,-54.21	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-37.62,-31.19	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-54.10,-43.49	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-27.27,-35.30	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-30.90,-35.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-39.83,-27.05	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-48.96,-54.24	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-37.25,-32.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-55.36,-45.15	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-27.39,-36.50	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-32.80,-36.22	PASS
Band12	3MHz	QPSK	23025	1RB#0	-37.89,-24.79	PASS
Band12	3MHz	QPSK	23025	1RB#14	-47.21,-54.91	PASS
Band12	3MHz	QPSK	23025	15RB#0	-37.75,-30.57	PASS
Band12	3MHz	QPSK	23165	1RB#0	-54.30,-47.11	PASS
Band12	3MHz	QPSK	23165	1RB#14	-23.85,-38.73	PASS
Band12	3MHz	QPSK	23165	15RB#0	-30.47,-37.00	PASS
Band12	3MHz	16QAM	23025	1RB#0	-38.55,-24.53	PASS
Band12	3MHz	16QAM	23025	1RB#14	-48.21,-55.45	PASS
Band12	3MHz	16QAM	23025	15RB#0	-37.89,-32.11	PASS
Band12	3MHz	16QAM	23165	1RB#0	-55.03,-47.73	PASS
Band12	3MHz	16QAM	23165	1RB#14	-26.46,-39.78	PASS
Band12	3MHz	16QAM	23165	15RB#0	-32.49,-37.89	PASS
Band12	5MHz	QPSK	23035	1RB#0	-26.39	PASS
Band12	5MHz	QPSK	23035	1RB#24	-54.86	PASS
Band12	5MHz	QPSK	23035	25RB#0	-31.51	PASS
Band12	5MHz	QPSK	23155	1RB#0	-54.06	PASS
Band12	5MHz	QPSK	23155	1RB#24	-26.52	PASS
Band12	5MHz	QPSK	23155	25RB#0	-32.23	PASS
Band12	5MHz	16QAM	23035	1RB#0	-28.06	PASS
Band12	5MHz	16QAM	23035	1RB#24	-54.96	PASS
Band12	5MHz	16QAM	23035	25RB#0	-32.47	PASS

Band12	5MHz	16QAM	23155	1RB#0	-54.74	PASS
Band12	5MHz	16QAM	23155	1RB#24	-27.98	PASS
Band12	5MHz	16QAM	23155	25RB#0	-32.36	PASS
Band12	10MHz	QPSK	23060	1RB#0	-39.53,-34.41	PASS
Band12	10MHz	QPSK	23060	1RB#49	-52.16,-51.58	PASS
Band12	10MHz	QPSK	23060	50RB#0	-35.12,-33.75	PASS
Band12	10MHz	QPSK	23130	1RB#0	-51.56,-52.12	PASS
Band12	10MHz	QPSK	23130	1RB#49	-35.04,-40.31	PASS
Band12	10MHz	QPSK	23130	50RB#0	-33.72,-34.89	PASS
Band12	10MHz	16QAM	23060	1RB#0	-40.17,-35.01	PASS
Band12	10MHz	16QAM	23060	1RB#49	-52.32,-51.70	PASS
Band12	10MHz	16QAM	23060	50RB#0	-36.42,-35.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	-51.67,-52.33	PASS
Band12	10MHz	16QAM	23130	1RB#49	-35.94,-41.21	PASS
Band12	10MHz	16QAM	23130	50RB#0	-34.60,-35.50	PASS

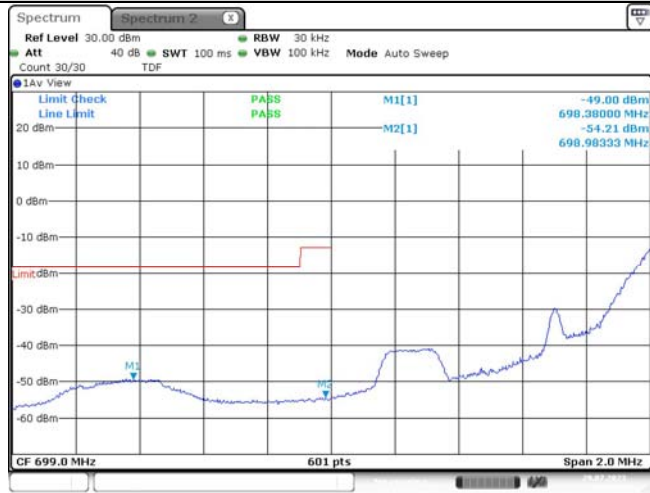
Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



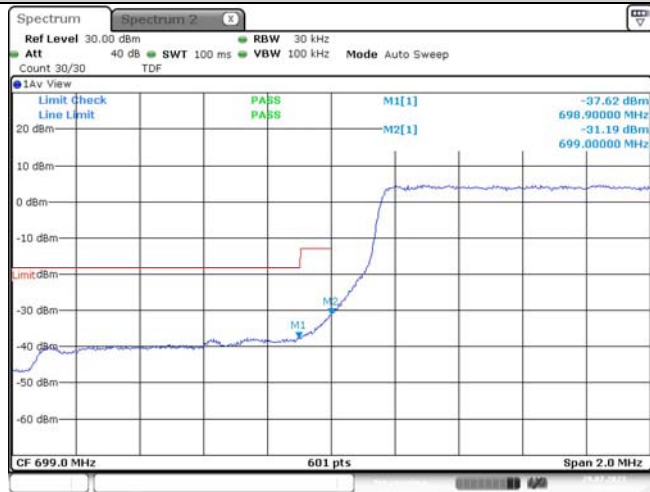
Date: 29.JUL.2023 22:39:07

Band12-1.4MHz-QPSK-23017-1RB#5



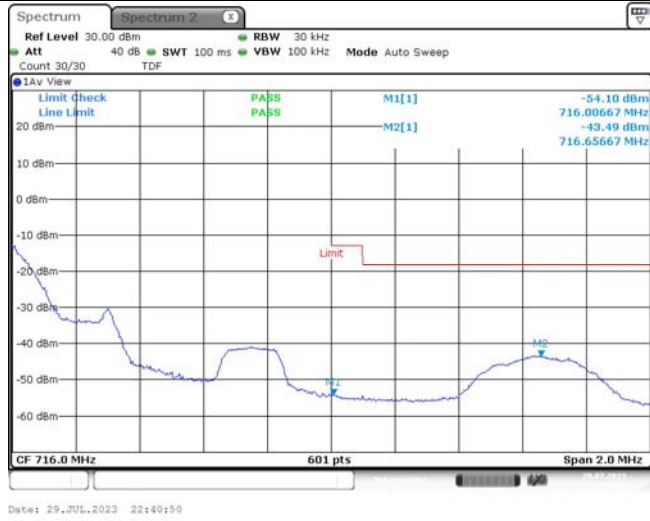
Date: 29.JUL.2023 22:39:38

Band12-1.4MHz-QPSK-23017-6RB#0

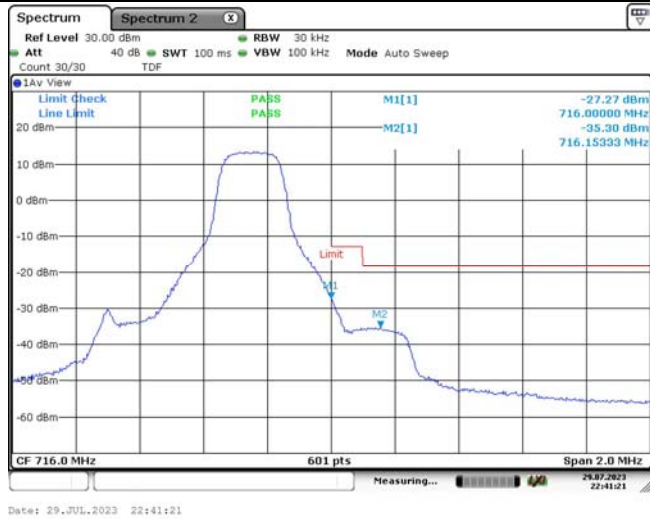


Date: 29.JUL.2023 22:40:08

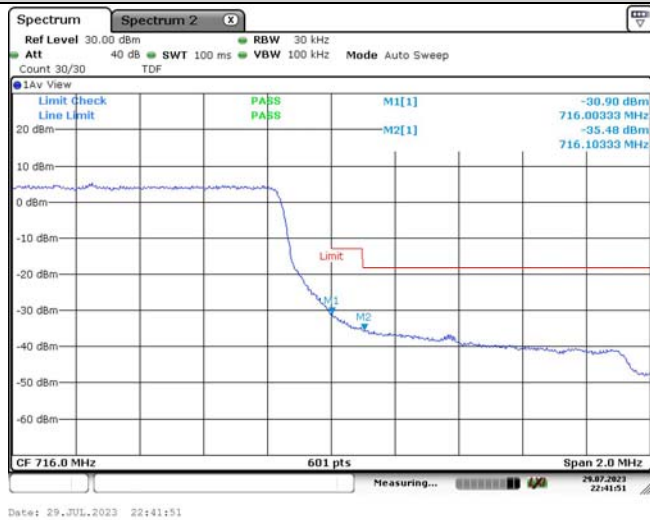
Band12-1.4MHz-QPSK-23173-1RB#0



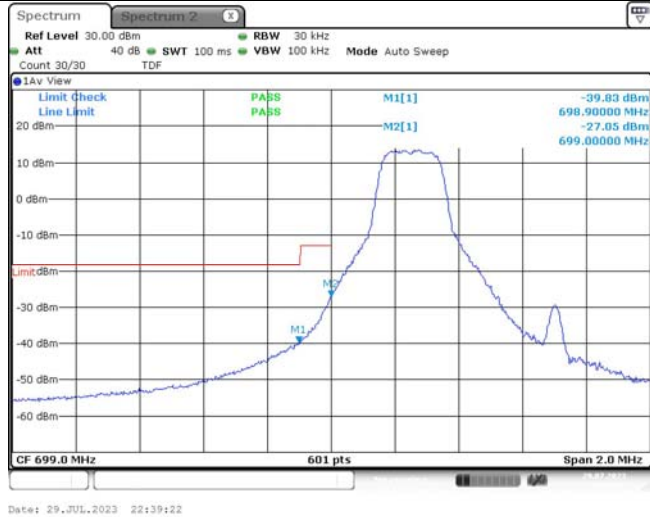
Band12-1.4MHz-QPSK-23173-1RB#5



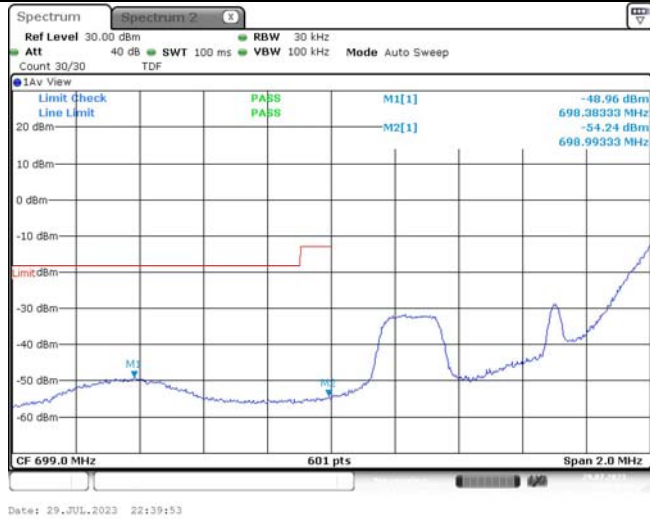
Band12-1.4MHz-QPSK-23173-6RB#0



Band12-1.4MHz-16QAM-23017-1RB#0



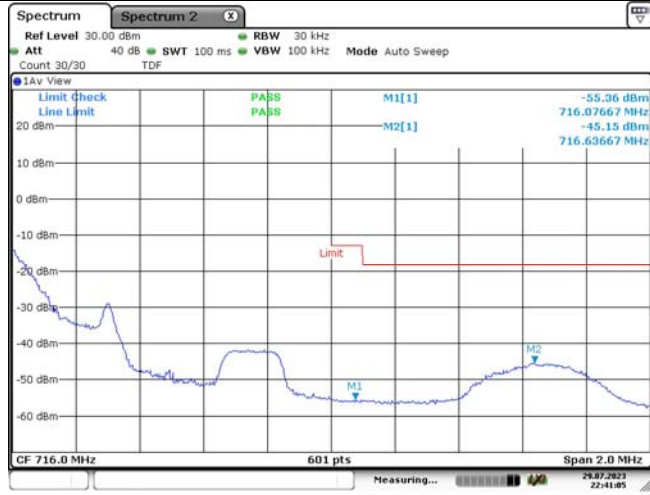
Band12-1.4MHz-16QAM-23017-1RB#5



Band12-1.4MHz-16QAM-23017-6RB#0

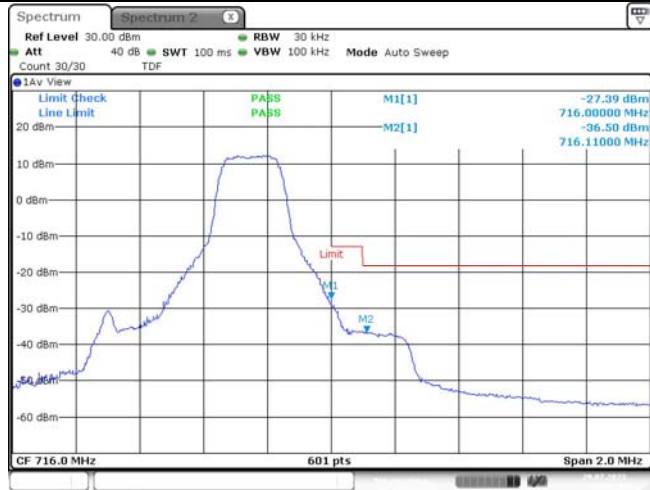


Band12-1.4MHz-16QAM-23173-1RB#0



Date: 29.JUL.2023 22:41:05

Band12-1.4MHz-16QAM-23173-1RB#5



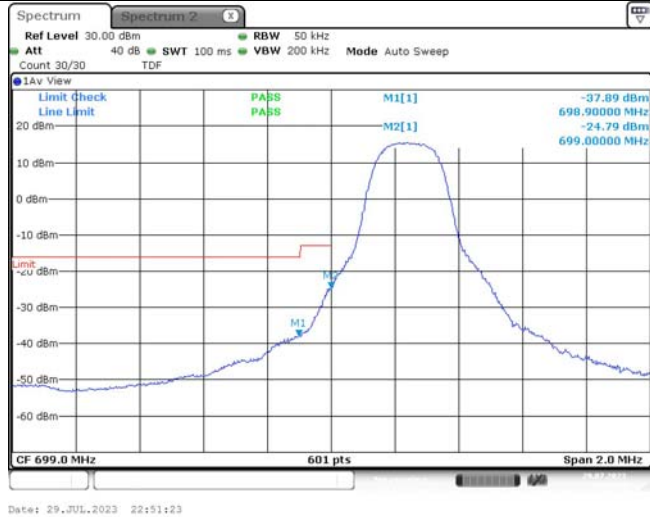
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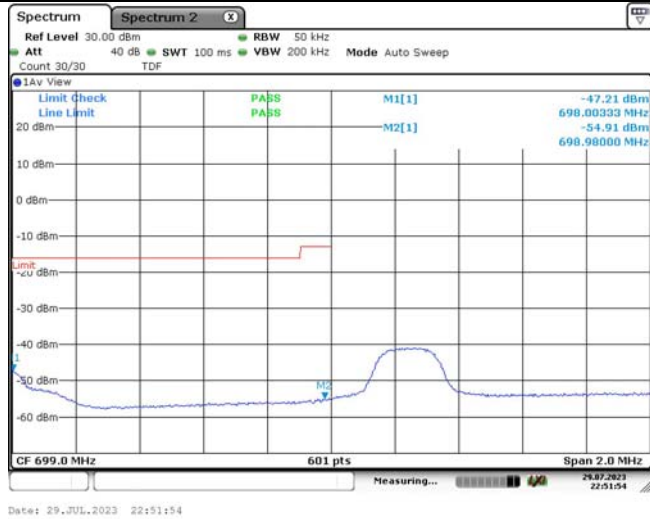


Date: 29.JUL.2023 22:42:05

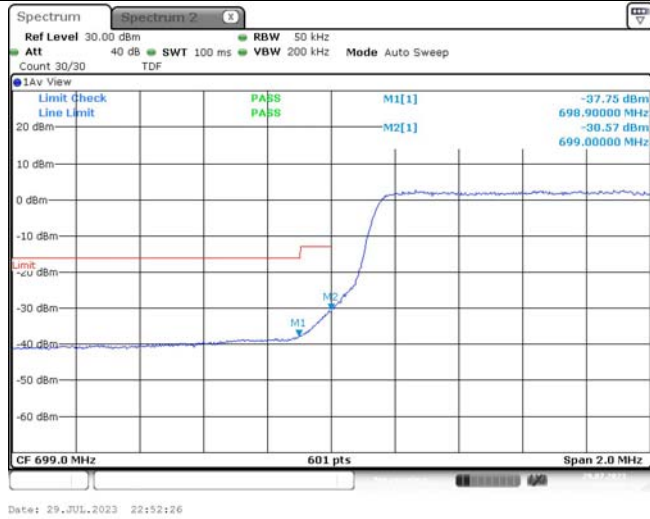
Band12-3MHz-QPSK-23025-1RB#0



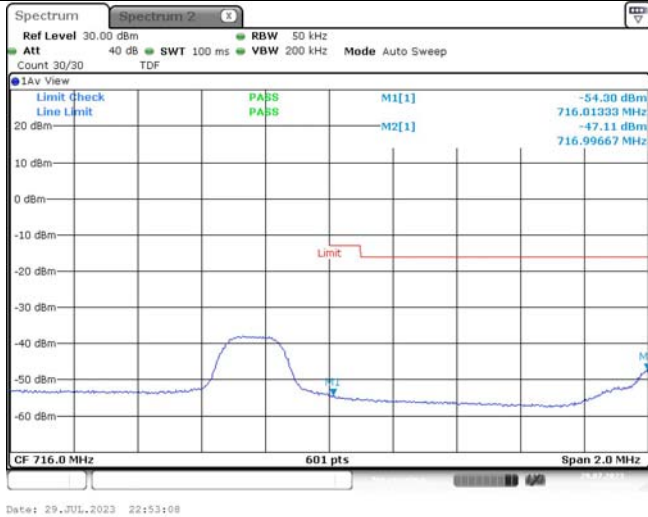
Band12-3MHz-QPSK-23025-1RB#14



Band12-3MHz-QPSK-23025-15RB#0



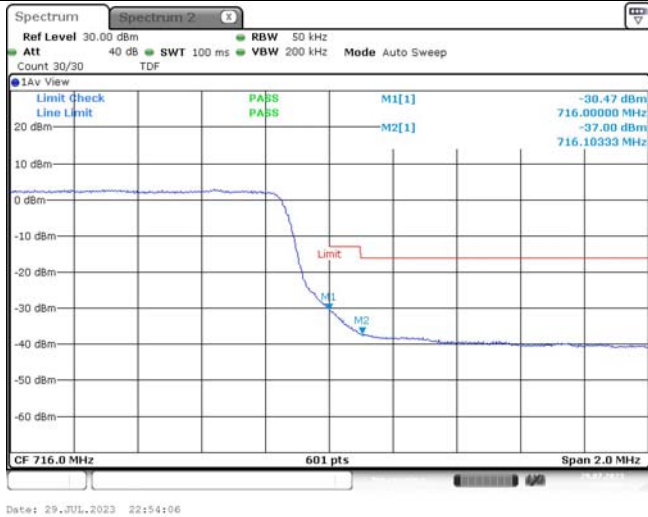
Band12-3MHz-QPSK-23165-1RB#0



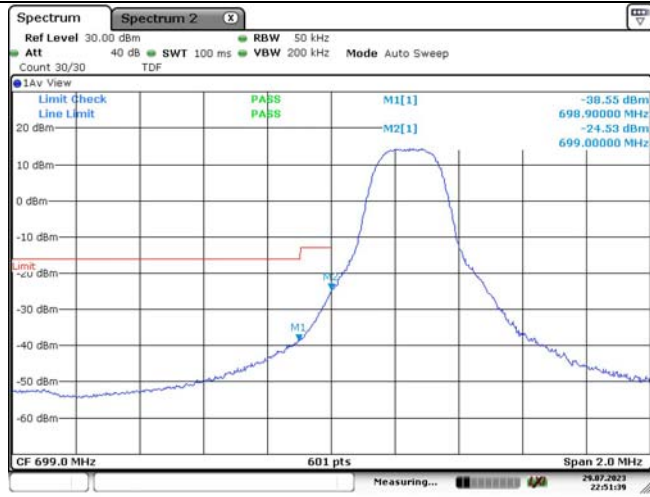
Band12-3MHz-QPSK-23165-1RB#14



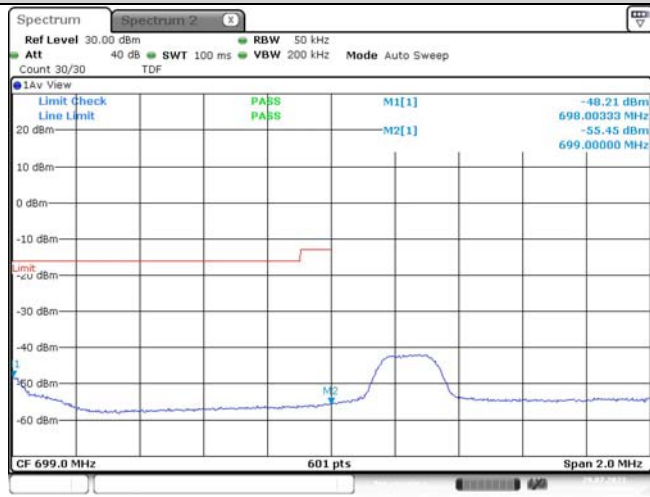
Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-1RB#0



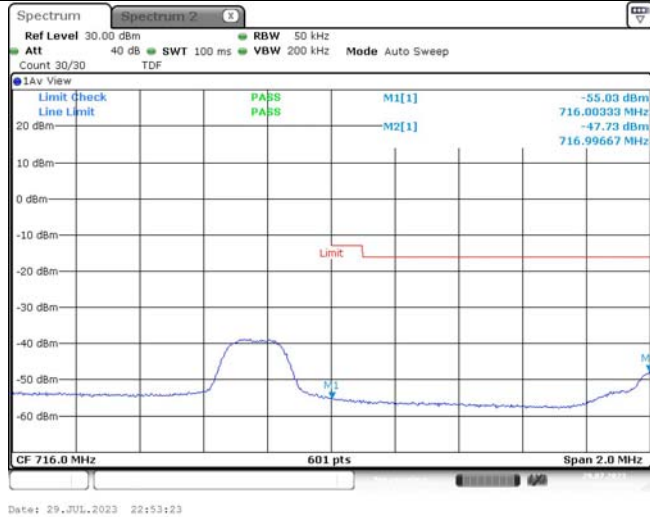
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Band12-3MHz-16QAM-23025-15RB#0



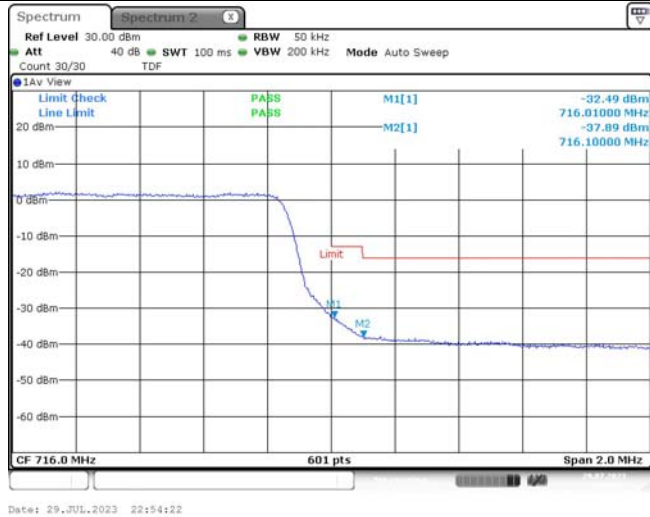
Band12-3MHz-16QAM-23165-1RB#0



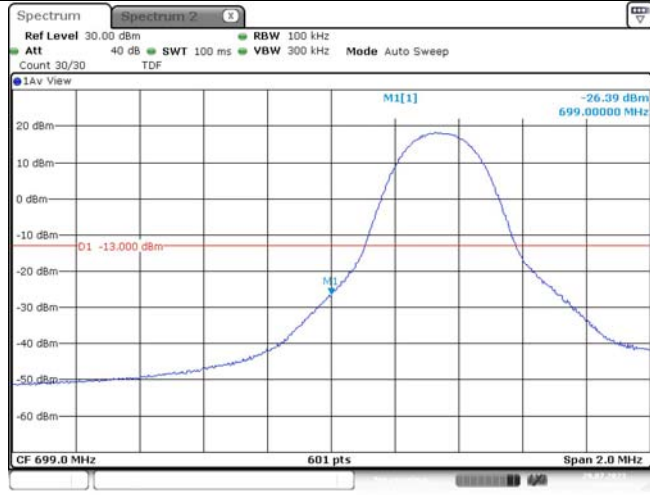
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Band12-3MHz-16QAM-23165-15RB#0

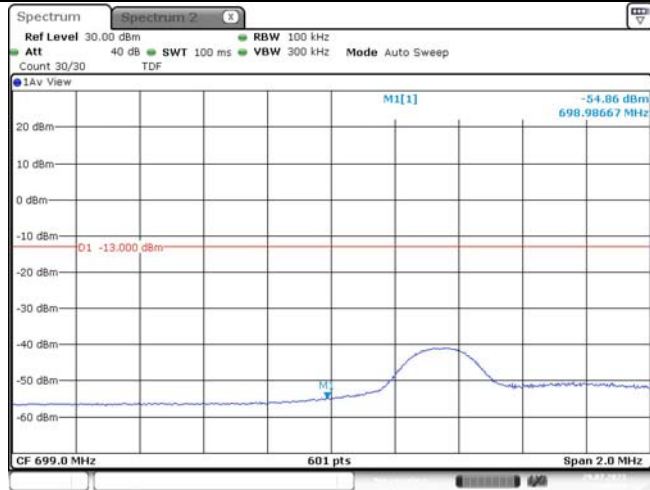


Band12-5MHz-QPSK-23035-1RB#0



Date: 29.JUL.2023 23:04:13

Band12-5MHz-QPSK-23035-1RB#24



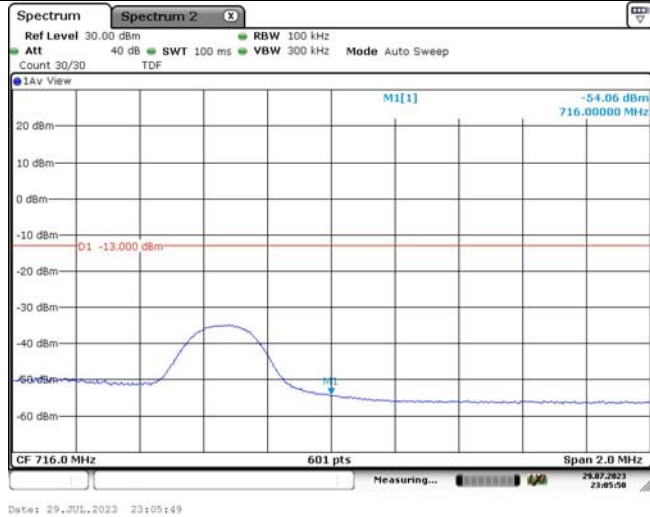
Date: 29.JUL.2023 23:04:40

Band12-5MHz-QPSK-23035-25RB#0



Date: 29.JUL.2023 23:05:09

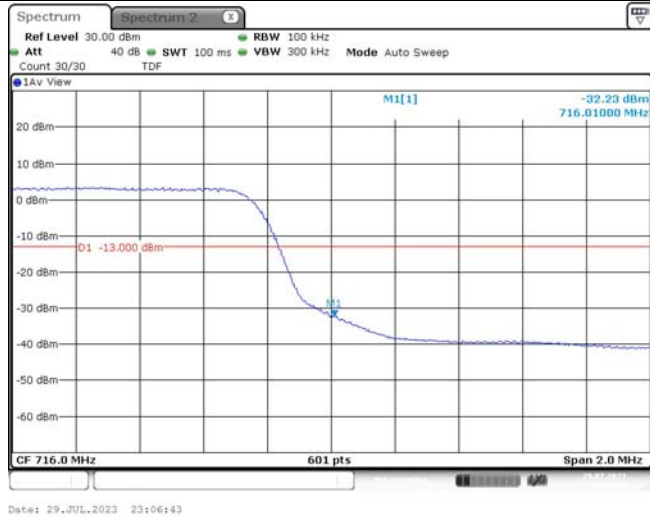
Band12-5MHz-QPSK-23155-1RB#0



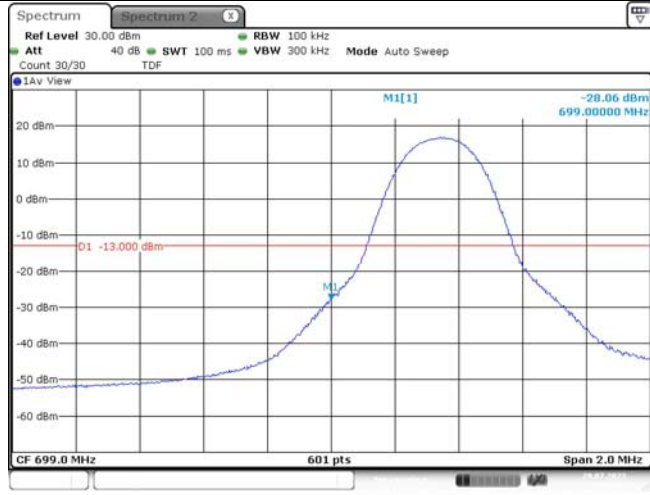
Band12-5MHz-QPSK-23155-1RB#24



Band12-5MHz-QPSK-23155-25RB#0

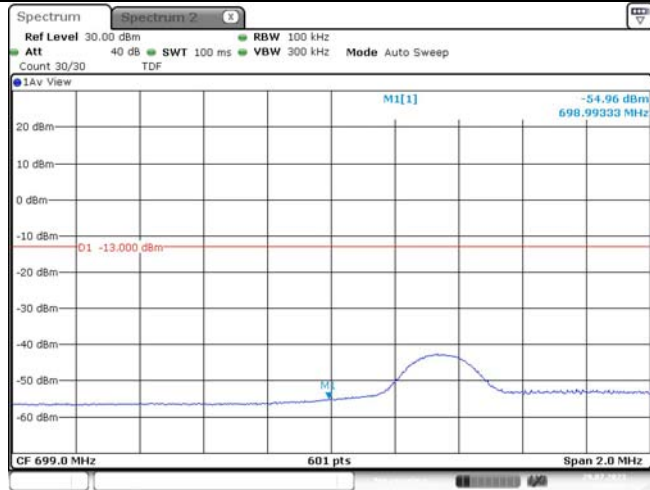


Band12-5MHz-16QAM-23035-1RB#0



Date: 29.JUL.2023 23:04:26

Band12-5MHz-16QAM-23035-1RB#24



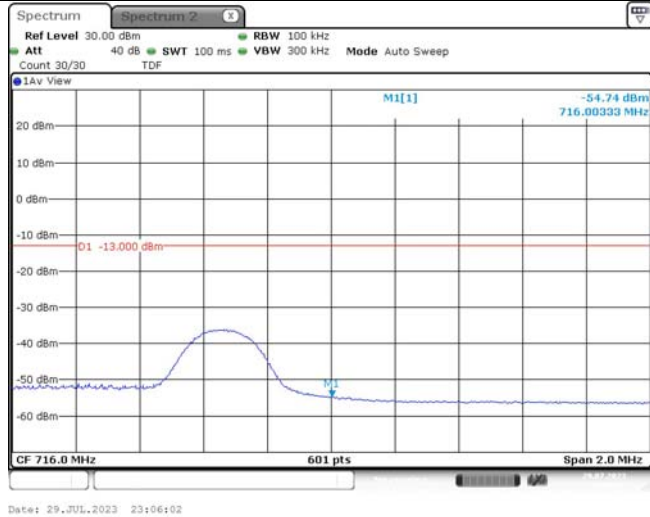
Date: 29.JUL.2023 23:04:55

Band12-5MHz-16QAM-23035-25RB#0



Date: 29.JUL.2023 23:05:23

Band12-5MHz-16QAM-23155-1RB#0



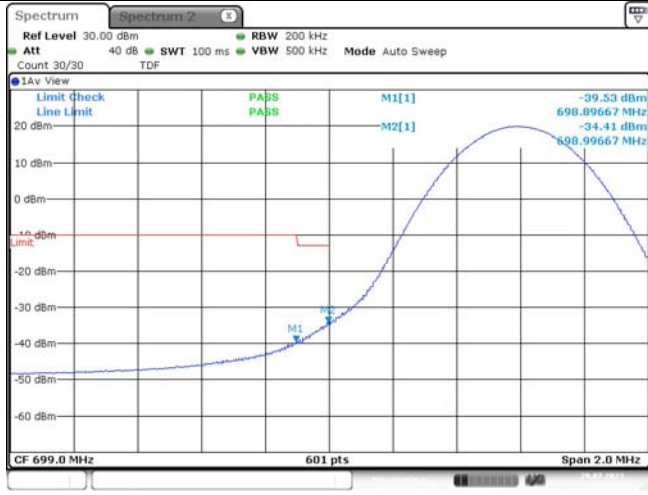
Band12-5MHz-16QAM-23155-1RB#24



Band12-5MHz-16QAM-23155-25RB#0



Band12-10MHz-QPSK-23060-1RB#0



Date: 29.JUL.2023 23:16:15

Band12-10MHz-QPSK-23060-1RB#49



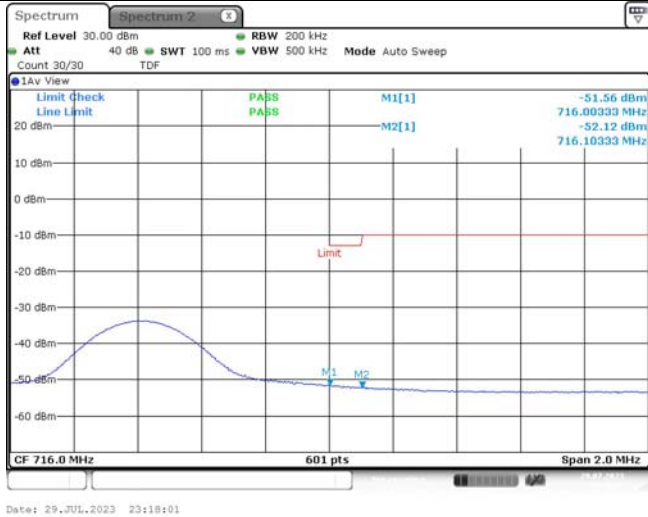
Date: 29.JUL.2023 23:16:47

Band12-10MHz-QPSK-23060-50RB#0



Date: 29.JUL.2023 23:17:18

Band12-10MHz-QPSK-23130-1RB#0



Band12-10MHz-QPSK-23130-1RB#49



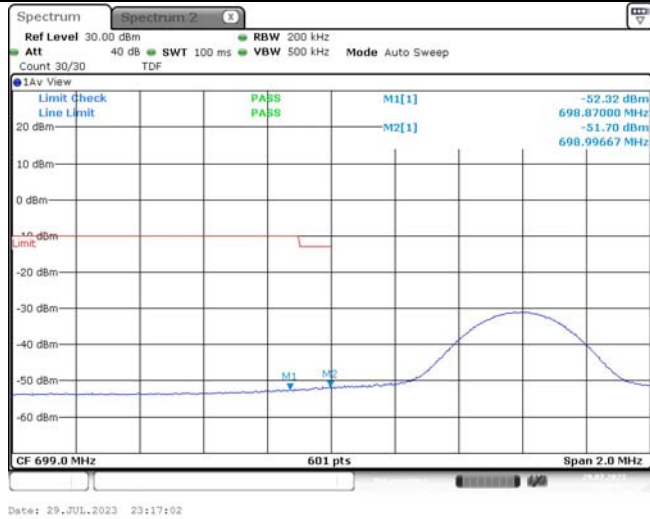
Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-1RB#0



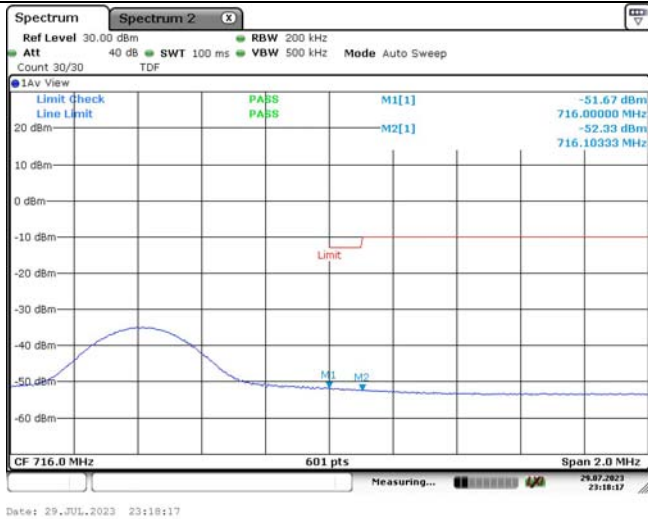
Band12-10MHz-16QAM-23060-1RB#49



Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#49



Band12-10MHz-16QAM-23130-50RB#0



1.5. Appendix E: Conducted Spurious Emission

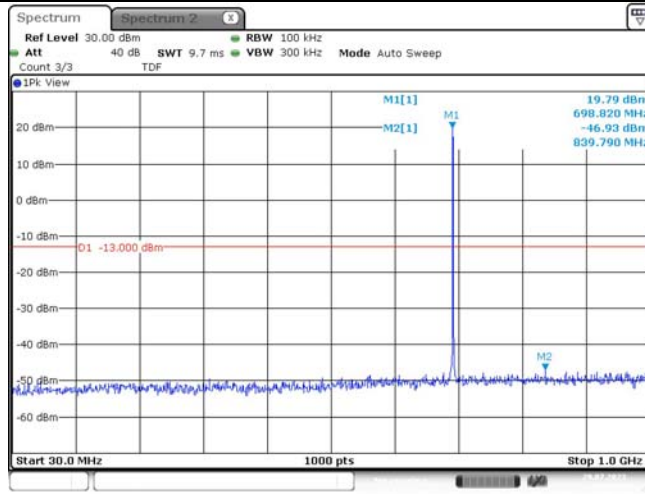
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-46.93	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-27.92	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-47.61	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-27.67	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-47.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-27.15	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-47.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-27.25	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-47.3	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-27.17	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-45.91	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-27.91	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-47.43	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-27.63	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-47.14	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-28.33	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-47.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-28.25	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-47.47	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-27.58	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-47.09	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-28.11	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-46.95	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-27.16	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-47.24	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-27.78	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-47.38	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-26.16	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-46.97	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-27.76	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-28.19	PASS

Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.99	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-27.66	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-46.81	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-27.69	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-47.23	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-27.25	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-47.15	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-28.12	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-47.38	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-28.06	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-47.55	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-28.5	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.71	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-28.2	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-27.11	PASS

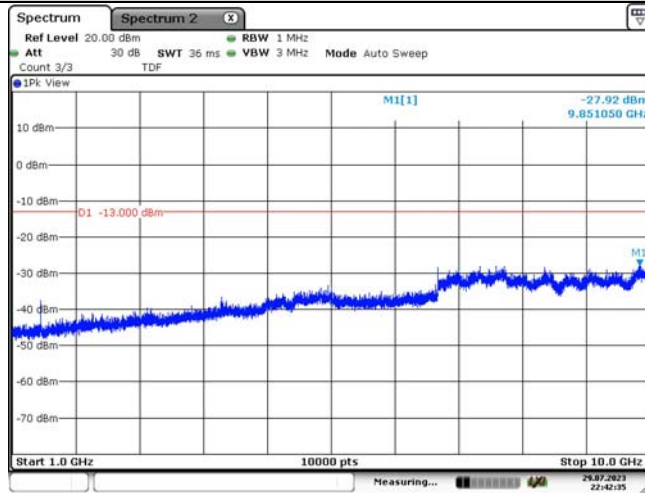
Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



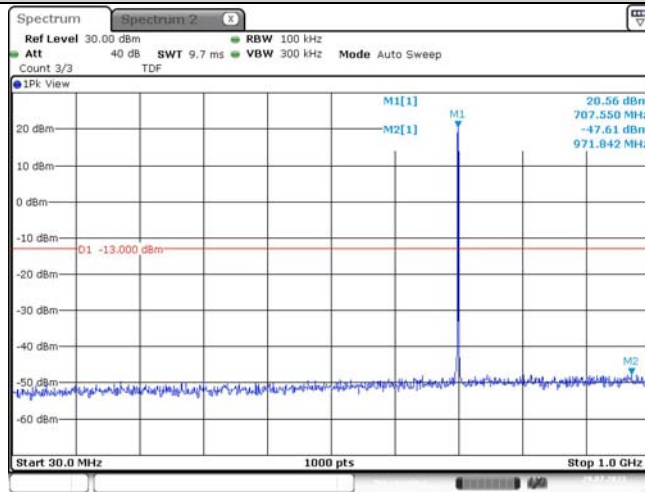
Date: 29.JUL.2023 22:42:23

Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



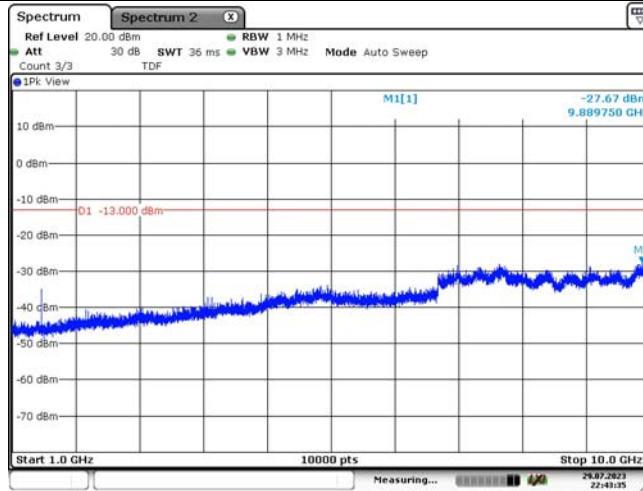
Date: 29.JUL.2023 22:42:35

Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



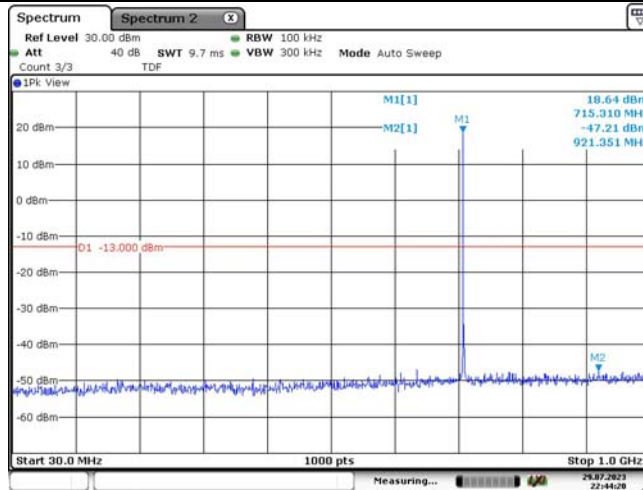
Date: 29.JUL.2023 22:43:21

Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



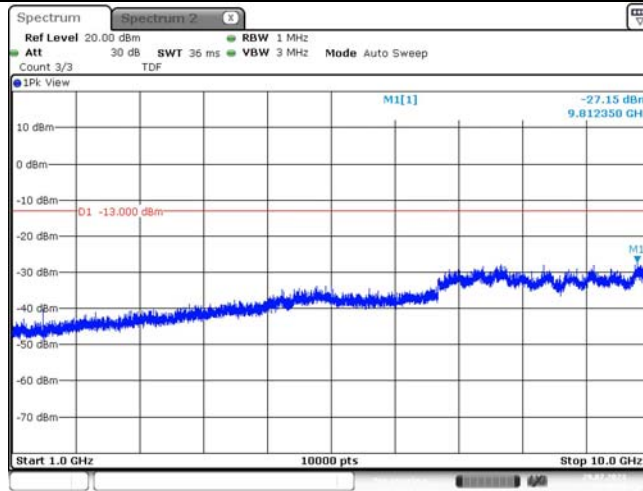
Date: 29.JUL.2023 22:43:35

Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



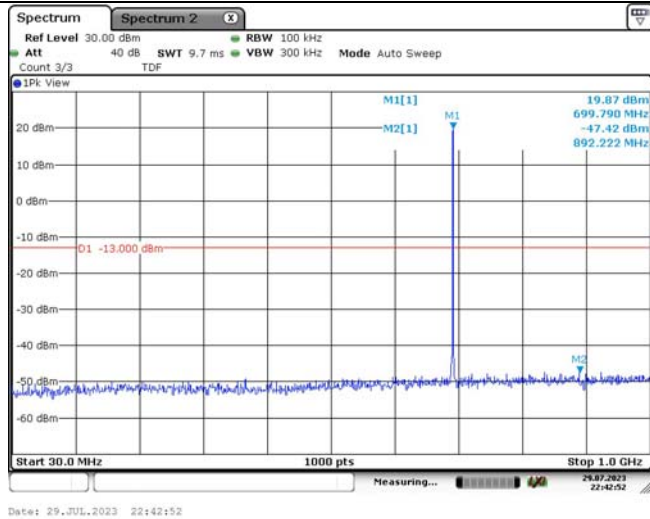
Date: 29.JUL.2023 22:44:28

Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz

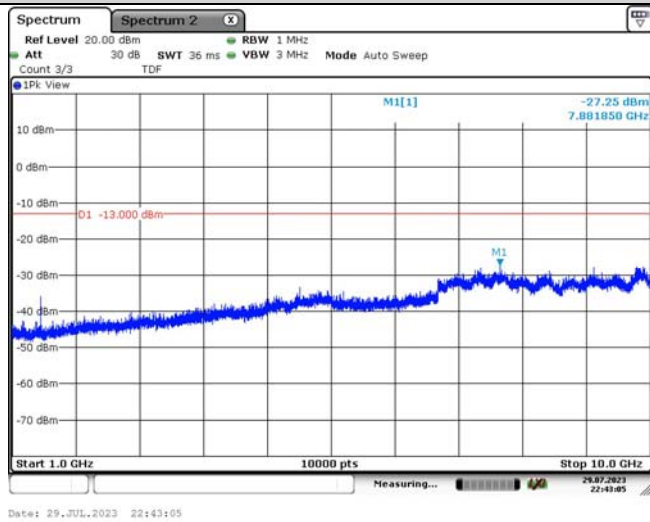


Date: 29.JUL.2023 22:44:33

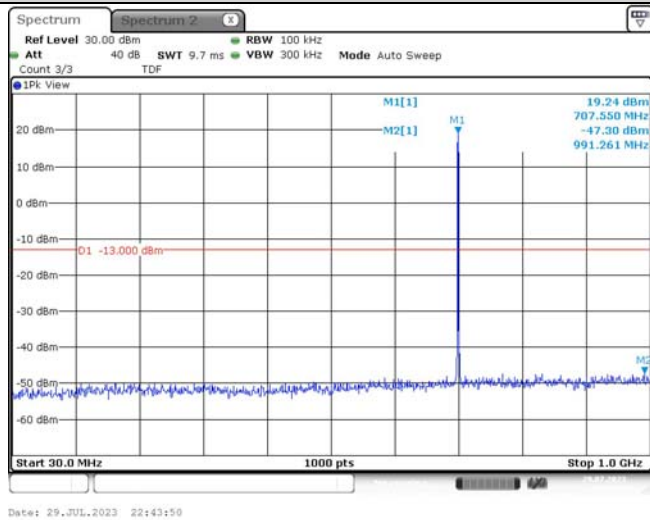
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



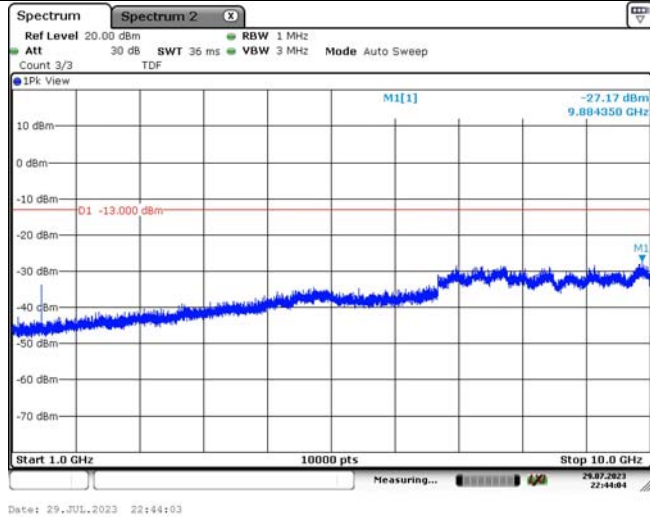
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



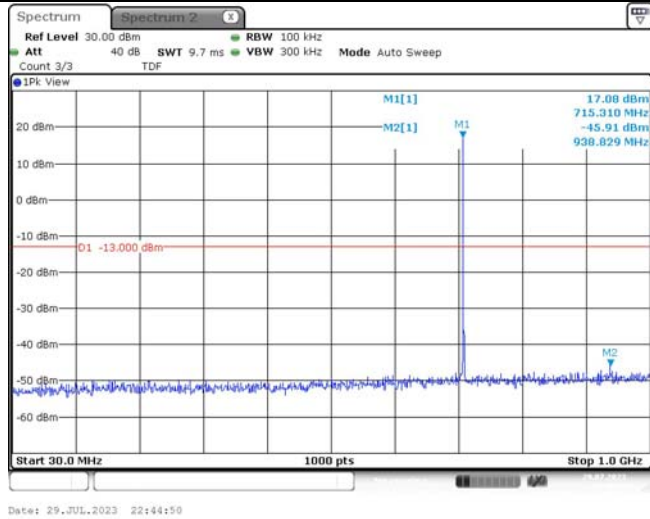
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



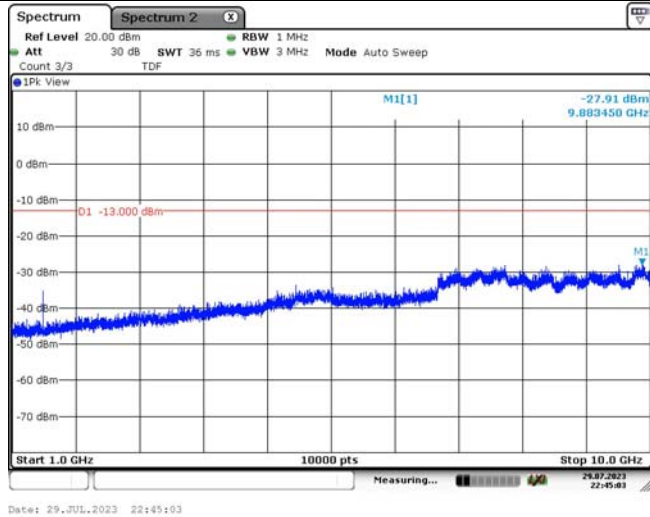
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



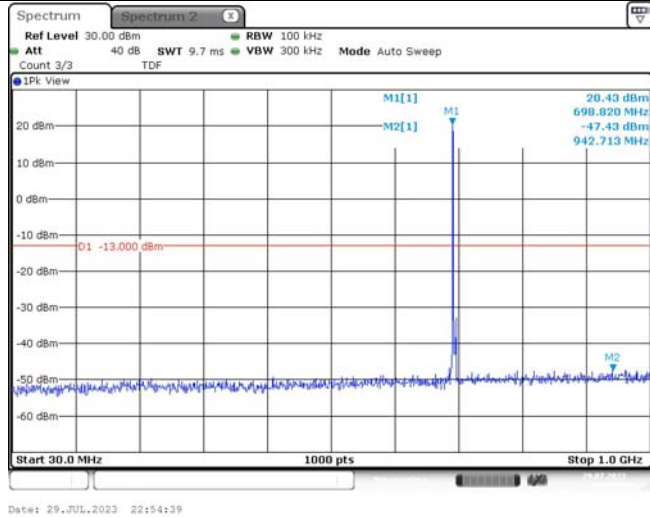
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



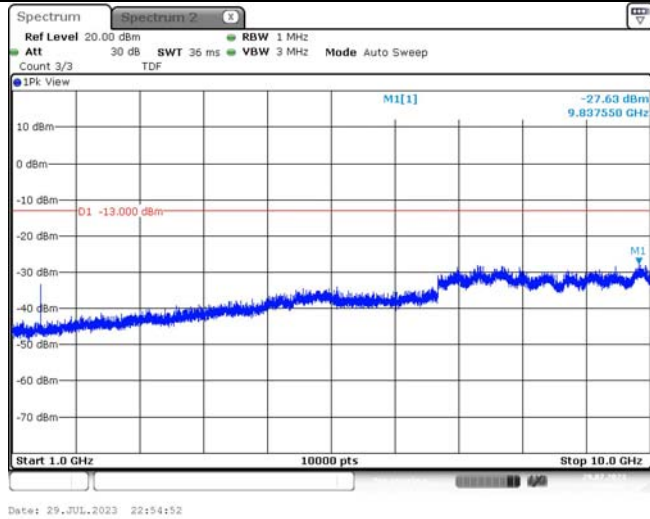
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



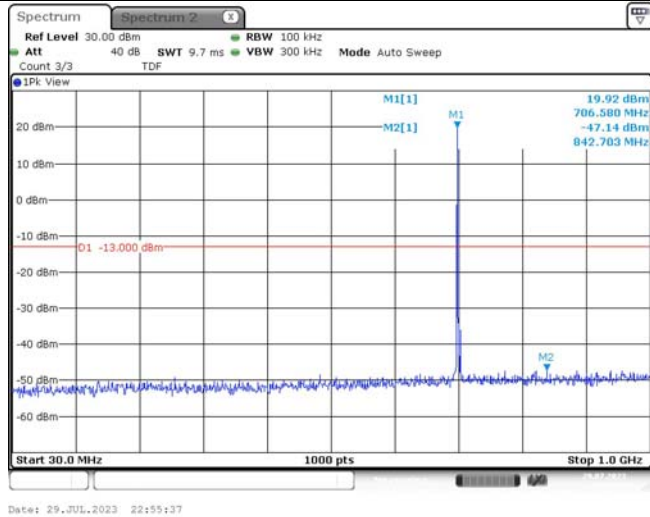
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



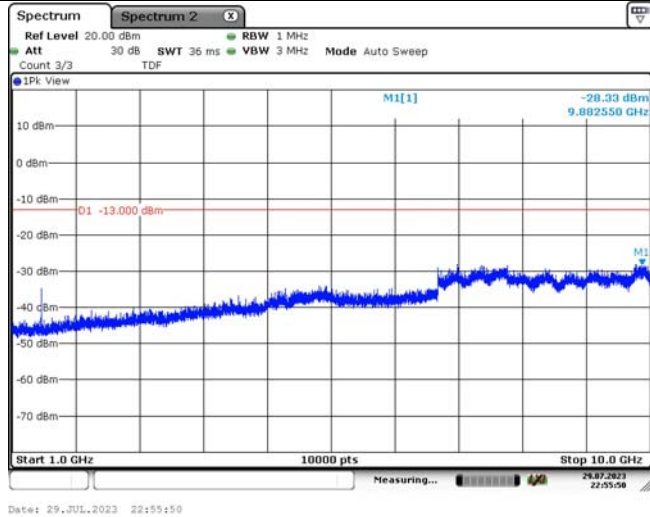
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



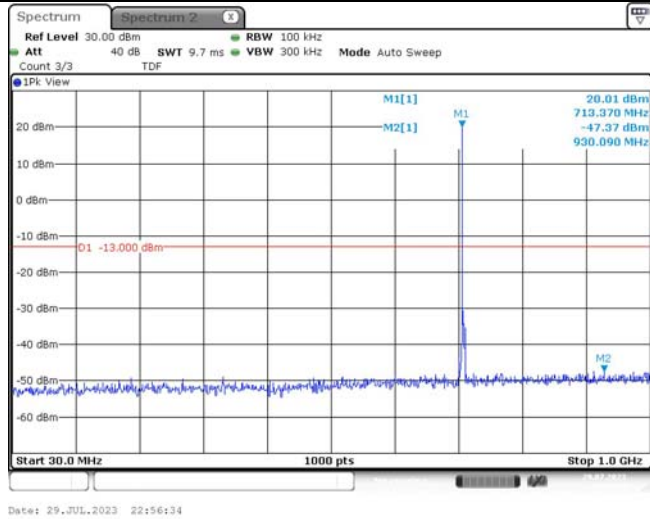
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



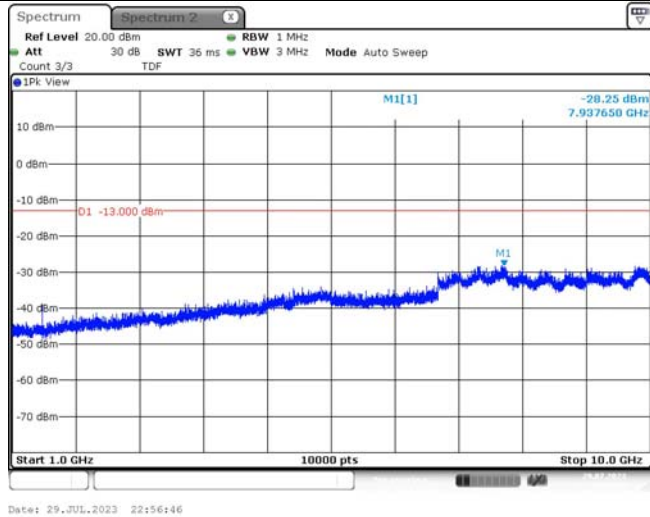
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



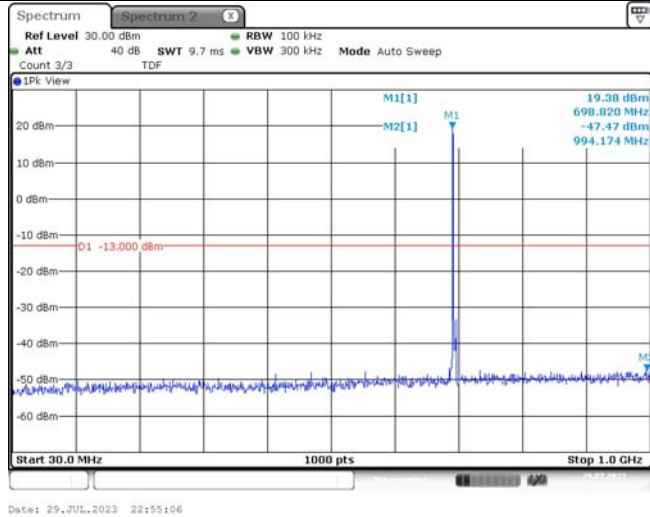
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



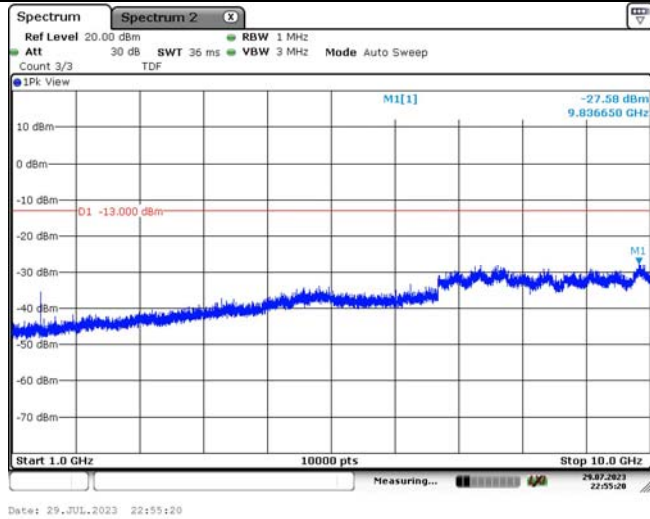
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



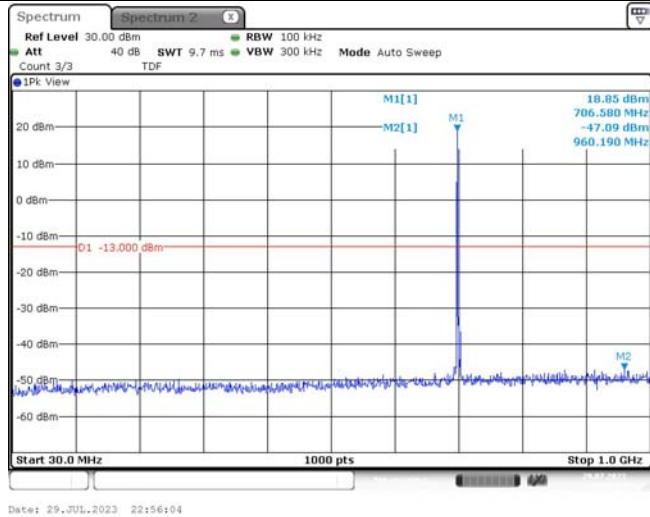
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz