



CTC Laboratories, Inc.

Appendix for LTE Band 12

FCC ID: 2AZPZ-T25

Applicant: YAHAM OPTOELECTRONICS CO., LTD

**Address: Bldg. A&D, Yongwei Industrial Park, #118
Yongfu Road, Fuhai Str., Bao'an Dist. Shenzhen China**

Product Name: Taxi Roof LED Display

EUT Model: YHT-TAXI-T2.5



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Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.78	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.82	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.79	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.82	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.99	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.76	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.96	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.20	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.11	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.23	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.27	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.07	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.97	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.14	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.20	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.02	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.00	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.97	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.69	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.84	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.80	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.87	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.75	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.70	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.86	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.35	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.12	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.08	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.07	PASS



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Band12	1.4MHz	16QAM	23095	3RB#3	22.96	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.03	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.01	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.10	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.96	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.25	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.86	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.07	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.21	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.04	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.11	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.15	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.98	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.22	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.08	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.16	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.53	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.71	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.23	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.08	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.10	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.86	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.16	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.53	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.96	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.07	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.73	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.74	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.05	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.13	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.22	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.15	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.90	PASS



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Band12	3MHz	16QAM	23095	1RB#0	22.16	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.44	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.05	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.84	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.42	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.05	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.12	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.17	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.97	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.96	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.25	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.52	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.87	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.22	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.91	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.92	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.20	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.08	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.07	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.94	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.02	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.01	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.12	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.81	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.15	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.16	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.06	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.19	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.82	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.38	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.87	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.99	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.00	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.13	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.05	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.67	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.01	PASS



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Band12	5MHz	16QAM	23035	1RB#24	22.18	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.07	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.06	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.94	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.07	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.03	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.04	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.05	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.15	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.16	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.06	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.27	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.89	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.06	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.83	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.99	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.00	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.13	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.02	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.00	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.44	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.20	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.33	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.31	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.32	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.30	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.05	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.56	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.08	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.33	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.33	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.37	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.29	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.39	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.55	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.05	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.64	PASS



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Band12	10MHz	QPSK	23130	25RB#12	22.48	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.27	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.41	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.10	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.53	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.31	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.31	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.31	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.31	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.41	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.03	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.38	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.91	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.33	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.33	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.37	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.19	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.02	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.91	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.78	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.48	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.48	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.27	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.42	PASS



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	4.87	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.51	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.72	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.39	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.55	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.22	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.97	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.38	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.80	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.26	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.42	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.12	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.90	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.59	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.67	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.48	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.58	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.28	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.80	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.41	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.62	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.29	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.65	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.09	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.84	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.48	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.64	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.42	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.75	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.33	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.77	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.29	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.20	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.62	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.17	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.52	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.36	13	PASS



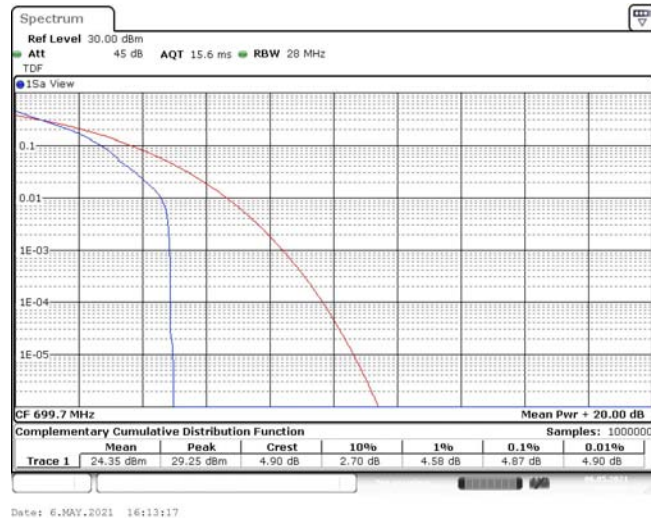
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Band12	10MHz	QPSK	23130	1RB#0	4.64	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.22	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.29	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.71	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.32	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	6.23	13	PASS

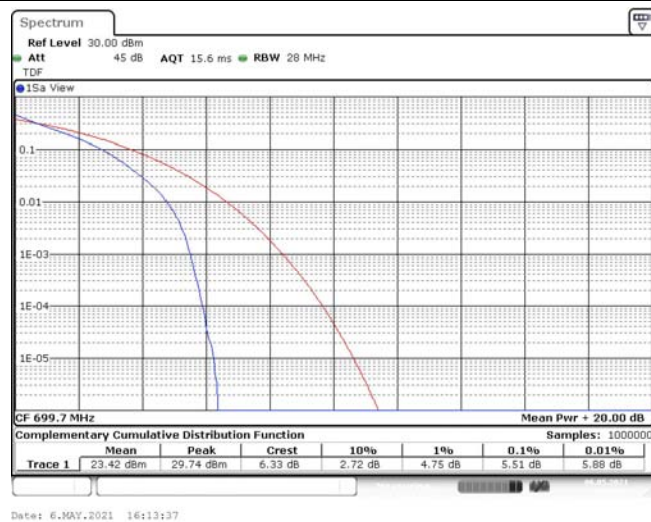


Test Graphs

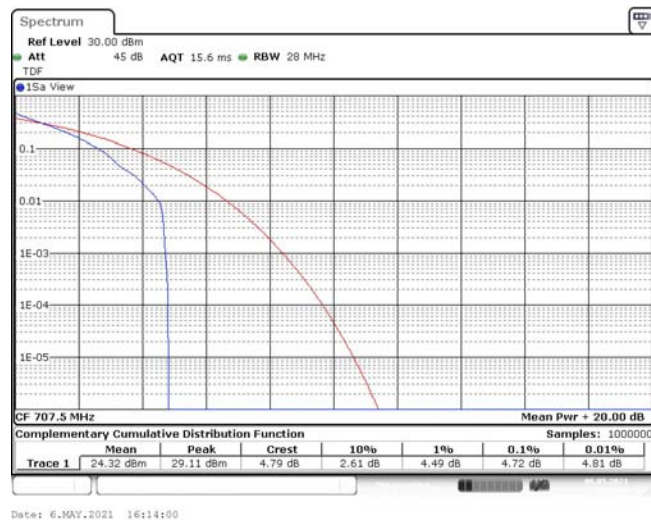
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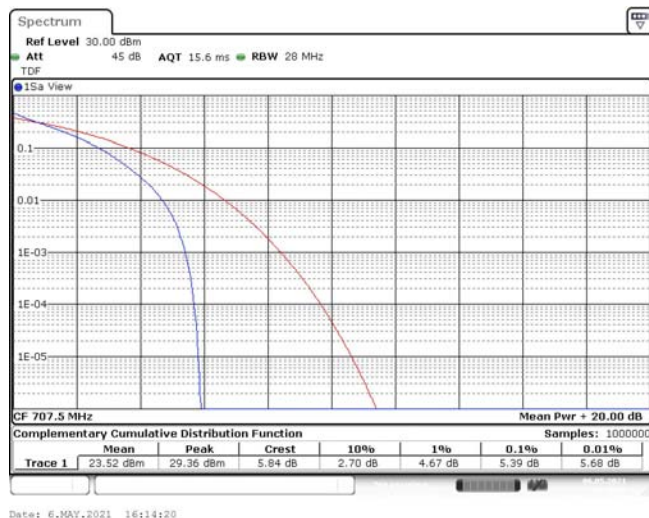


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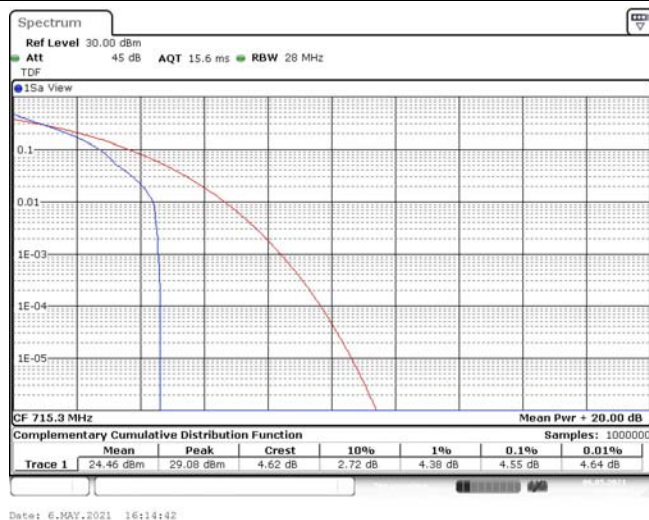




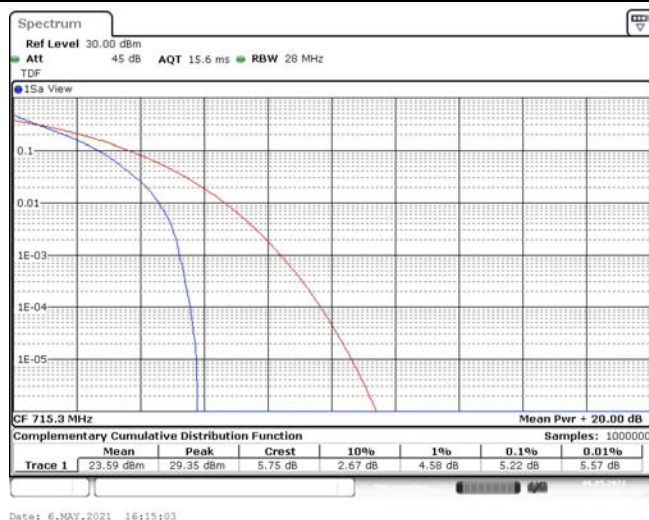
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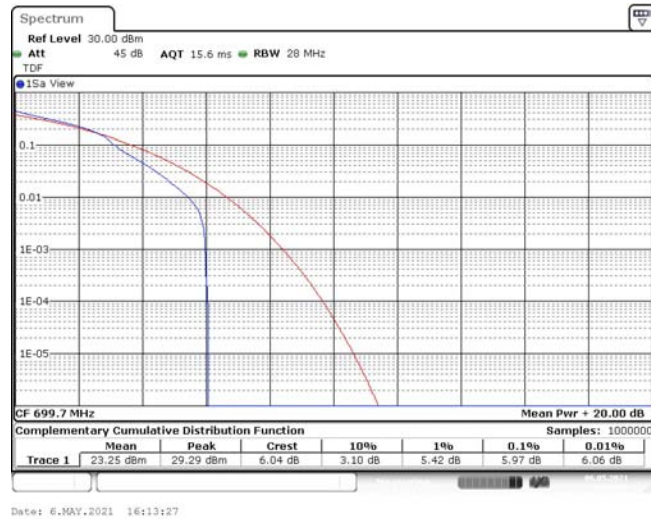
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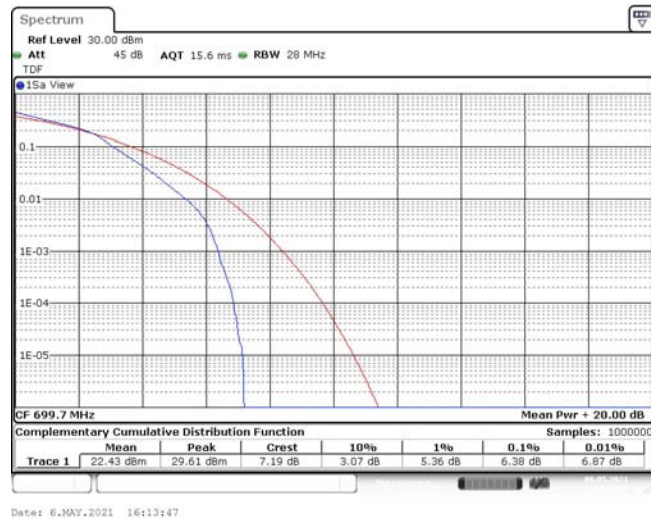
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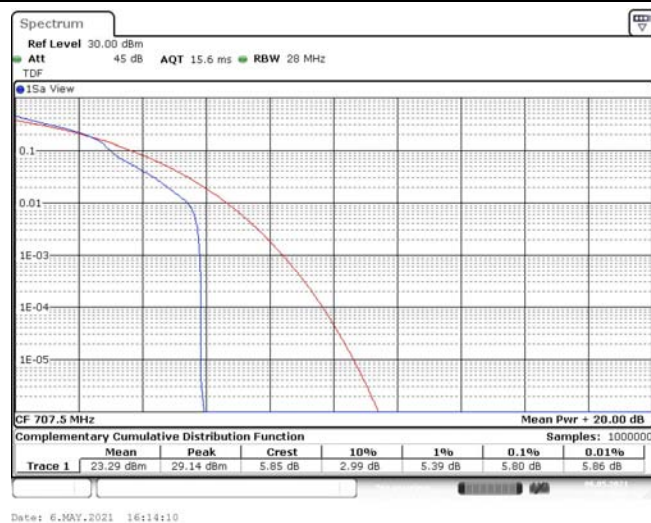
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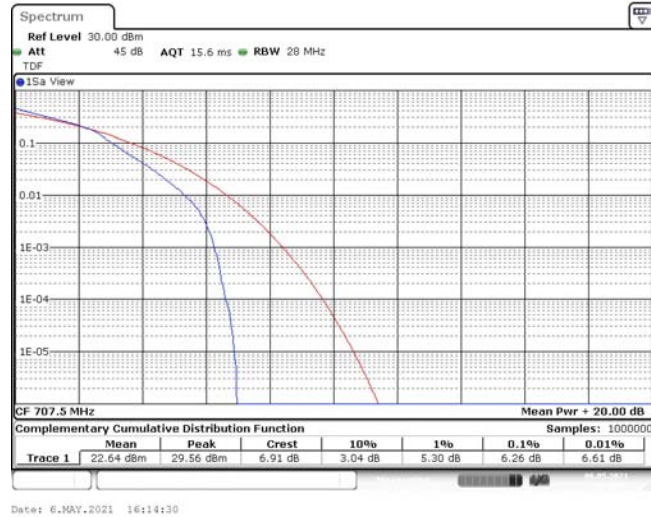
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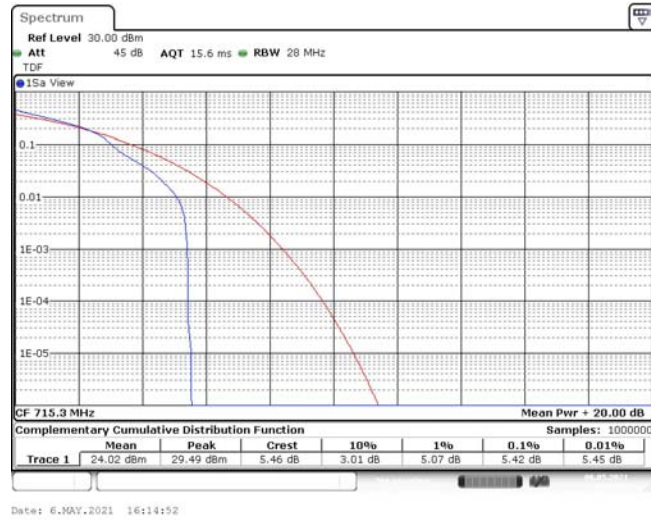
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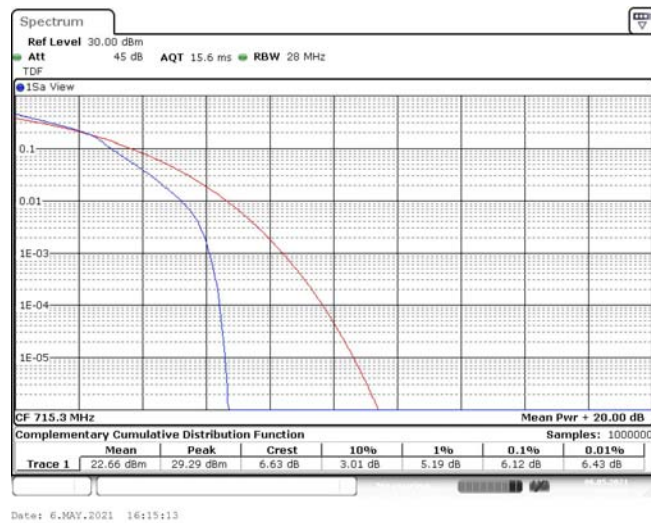
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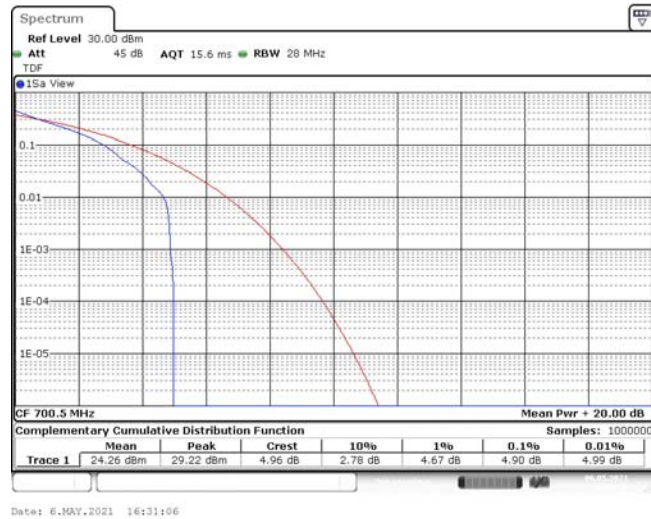
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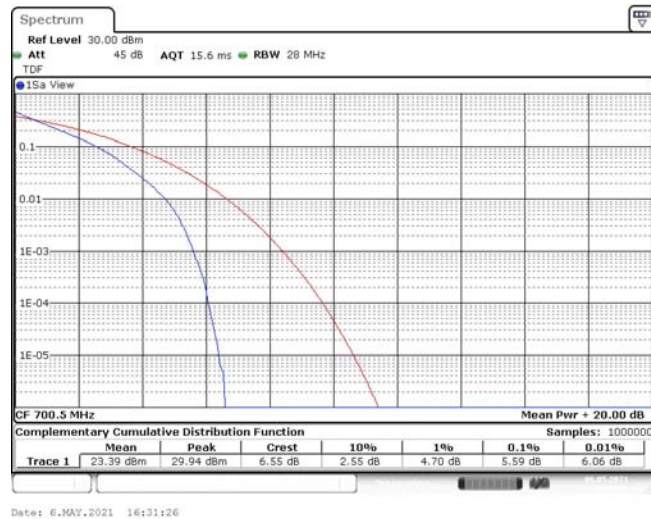
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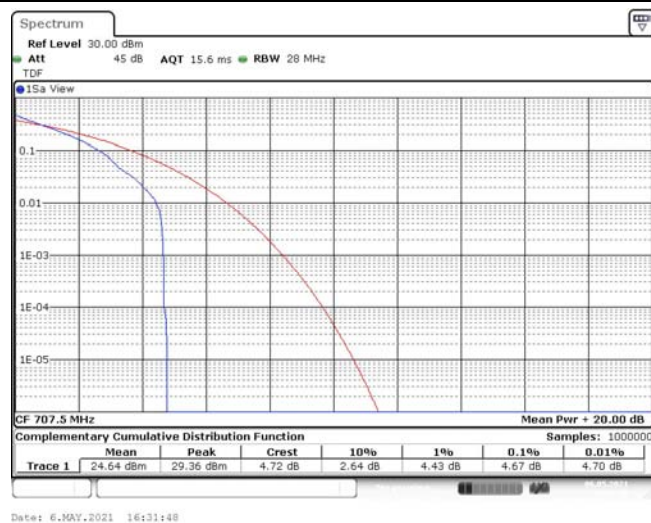
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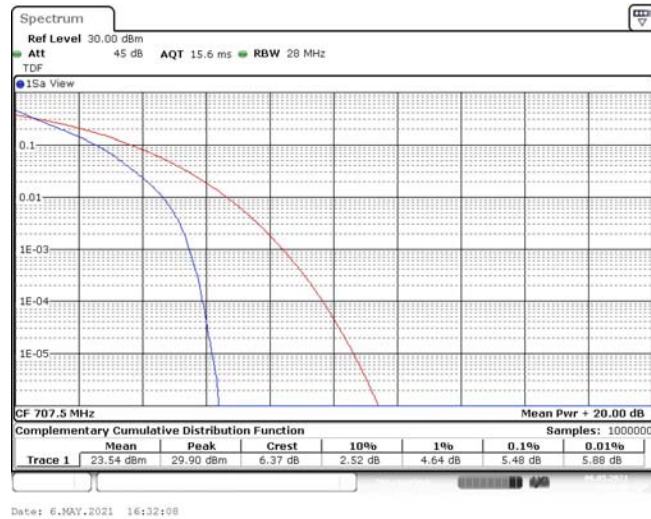
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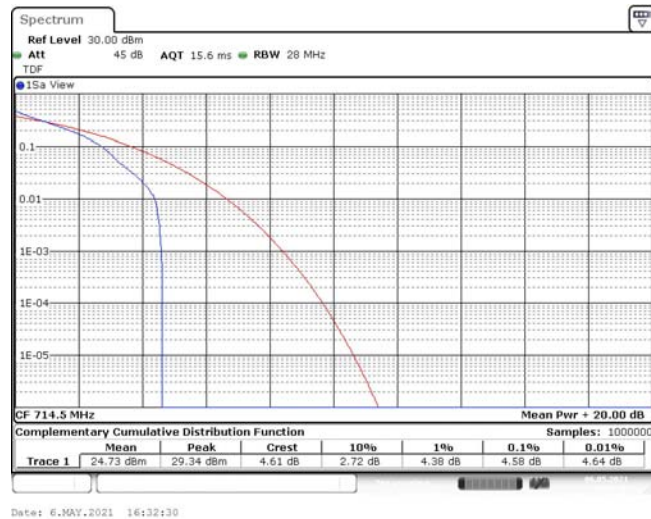
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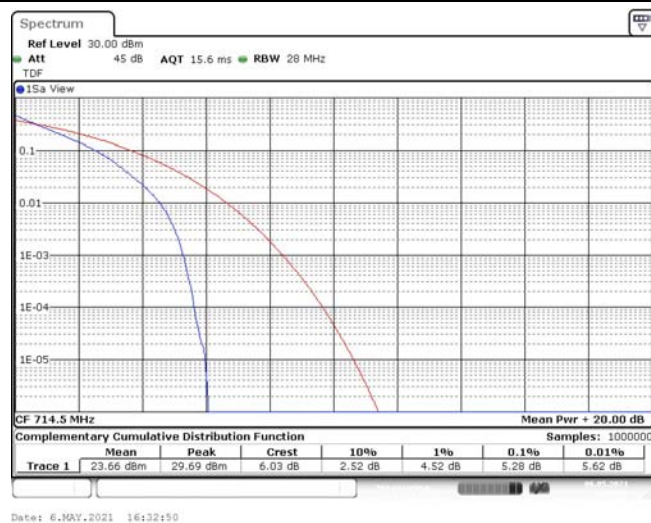
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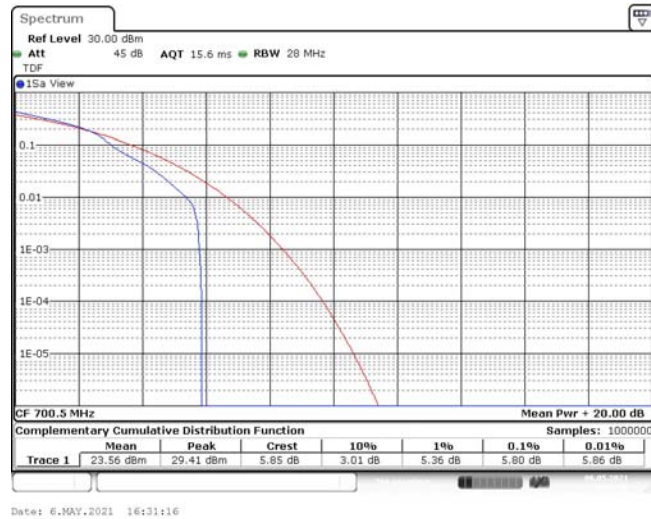
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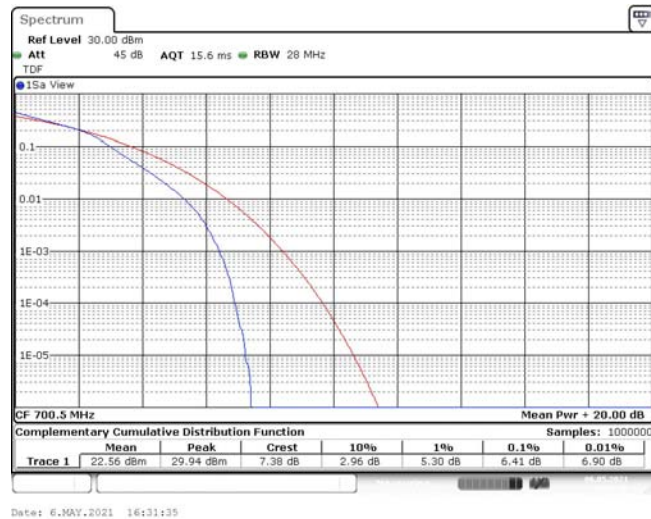
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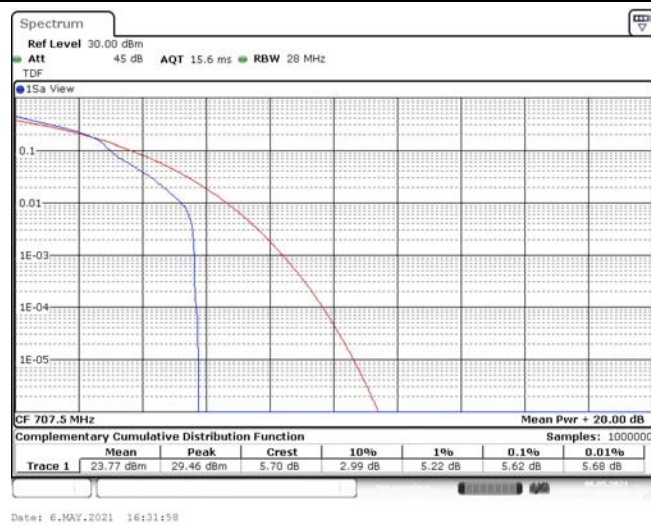
Band12-3MHz-16QAM-23025-1RB#0



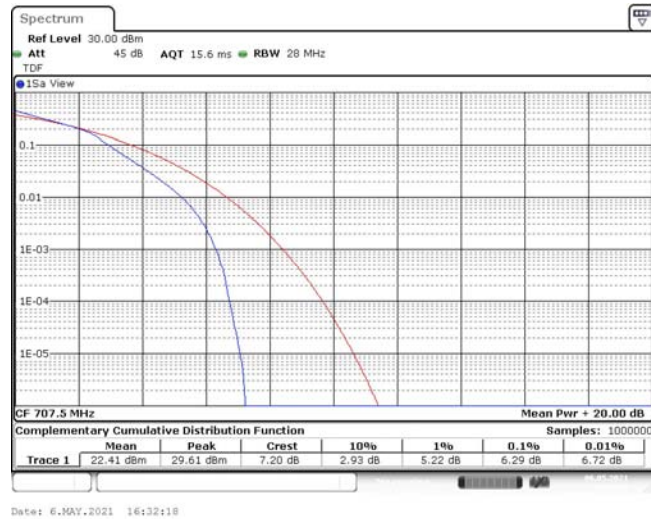
Band12-3MHz-16QAM-23025-15RB#0



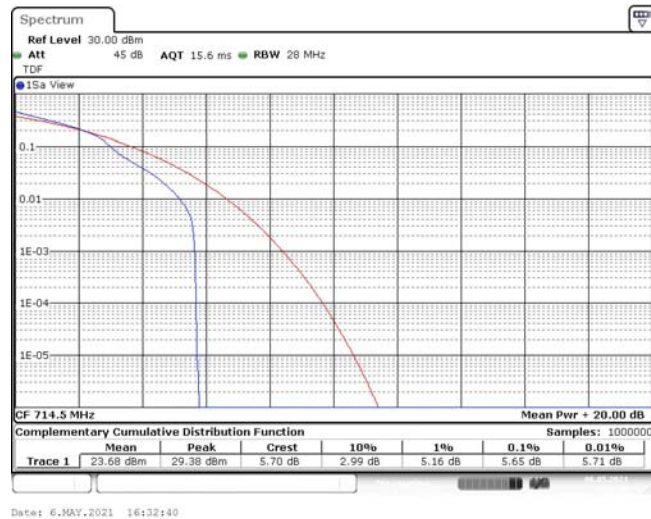
Band12-3MHz-16QAM-23095-1RB#0



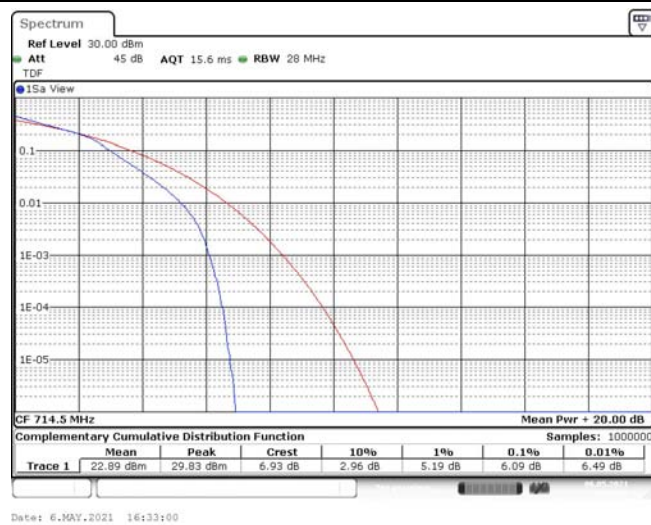
Band12-3MHz-16QAM-23095-15RB#0



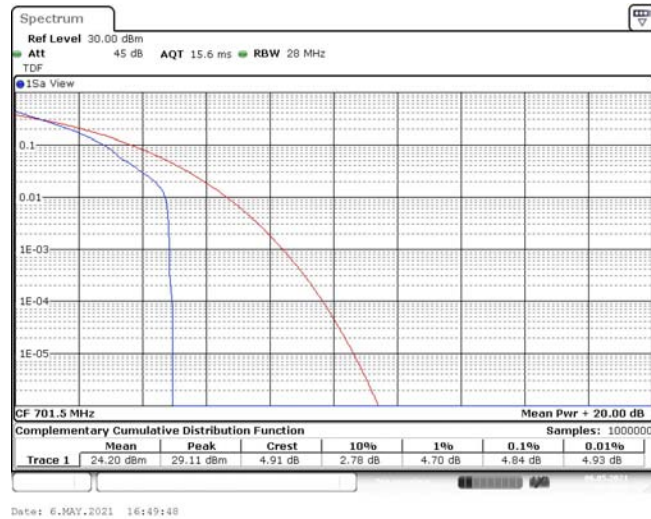
Band12-3MHz-16QAM-23165-1RB#0



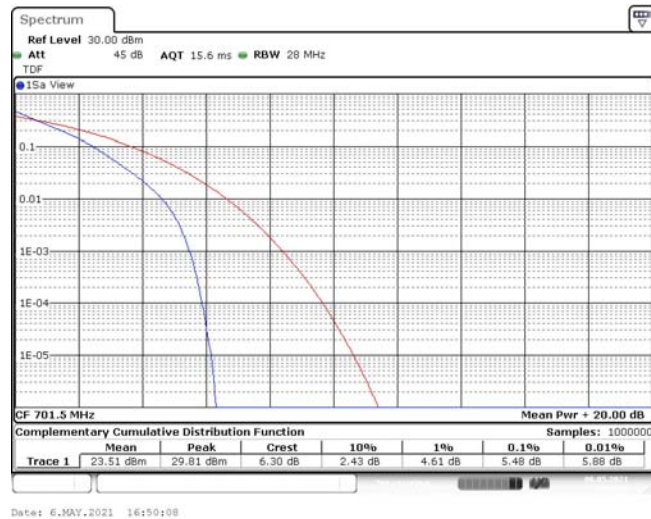
Band12-3MHz-16QAM-23165-15RB#0



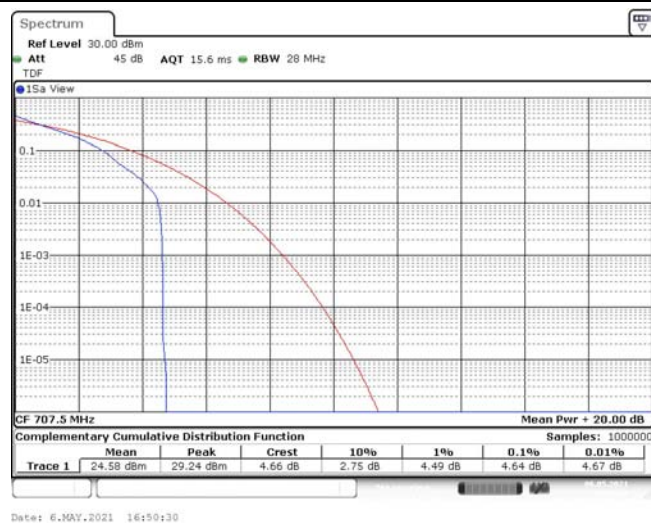
Band12-5MHz-QPSK-23035-1RB#0



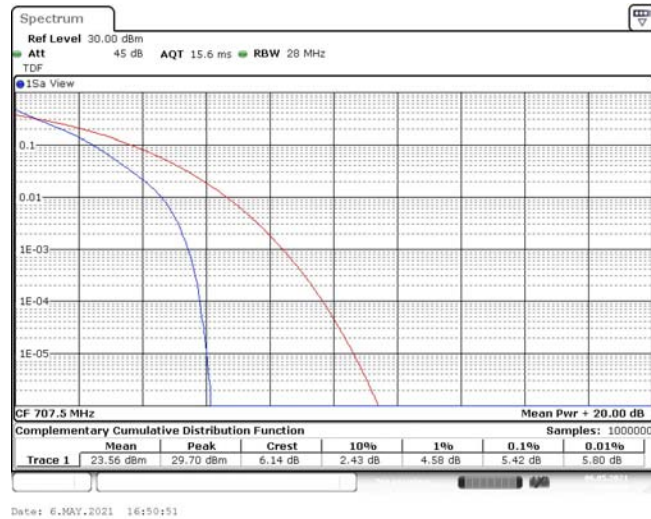
Band12-5MHz-QPSK-23035-25RB#0



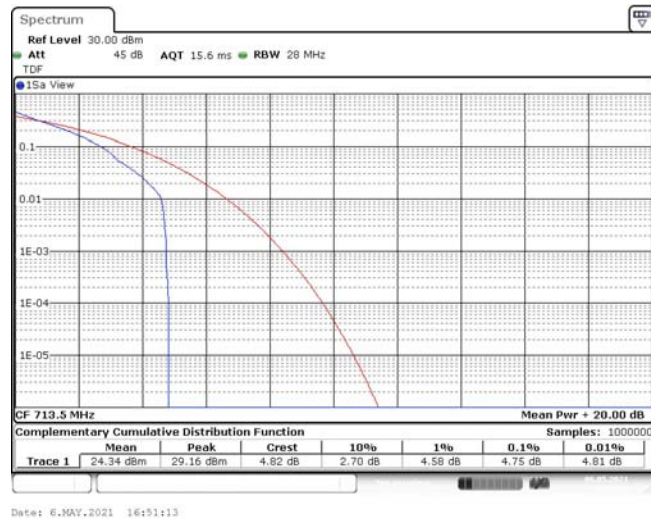
Band12-5MHz-QPSK-23095-1RB#0



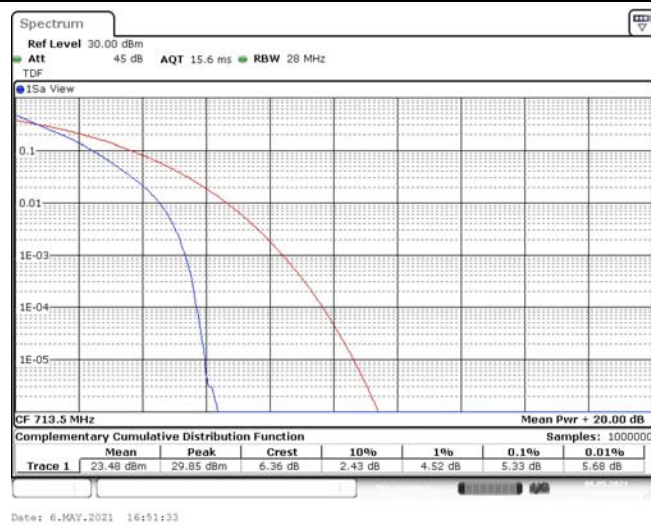
Band12-5MHz-QPSK-23095-25RB#0



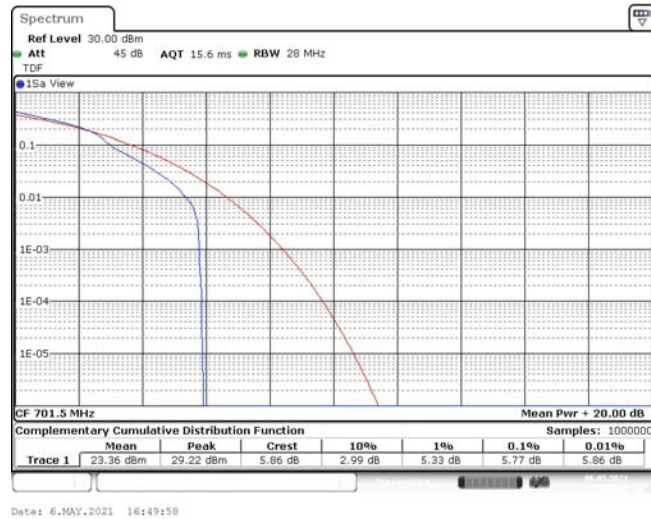
Band12-5MHz-QPSK-23155-1RB#0



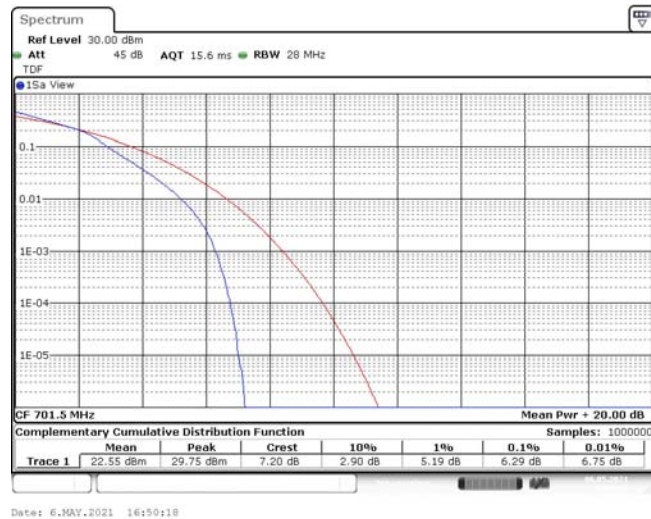
Band12-5MHz-QPSK-23155-25RB#0



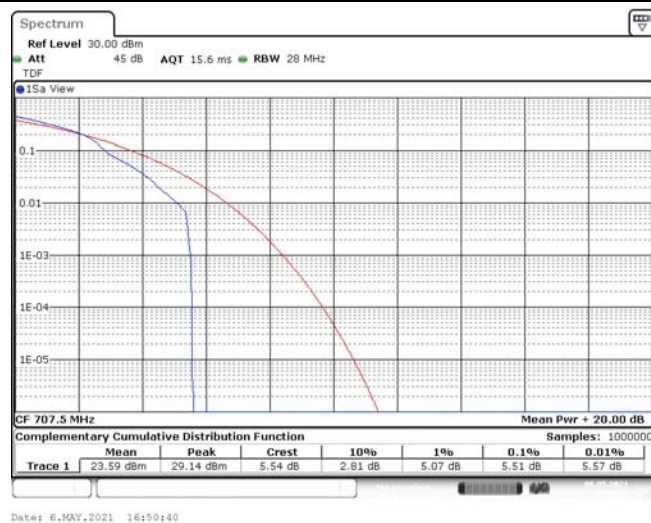
Band12-5MHz-16QAM-23035-1RB#0



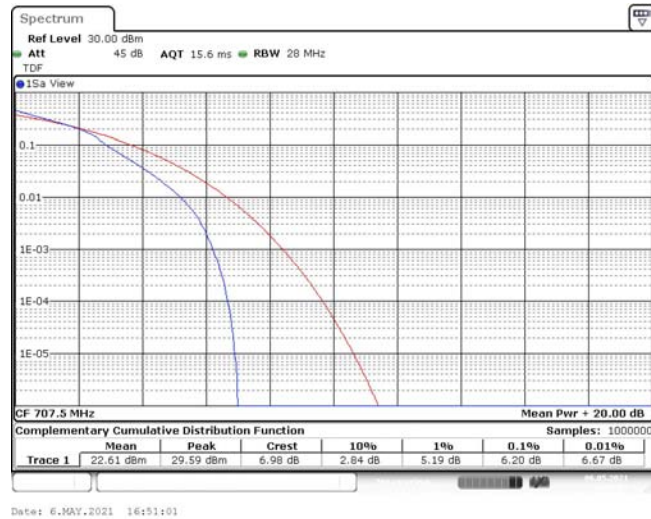
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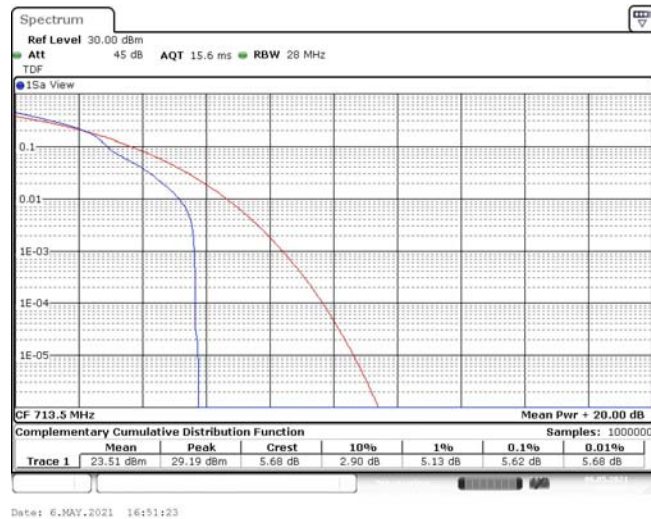
Band12-5MHz-16QAM-23095-1RB#0



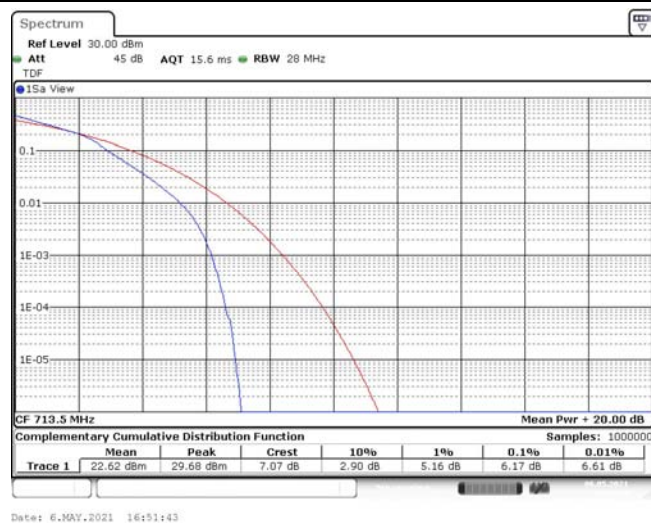
Band12-5MHz-16QAM-23095-25RB#0



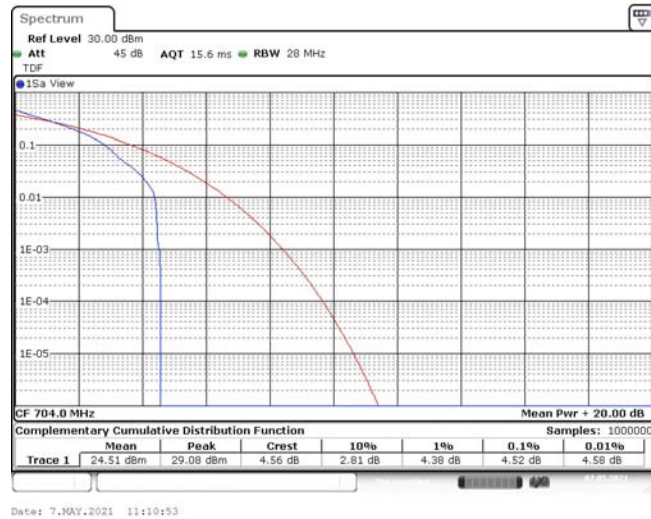
Band12-5MHz-16QAM-23155-1RB#0



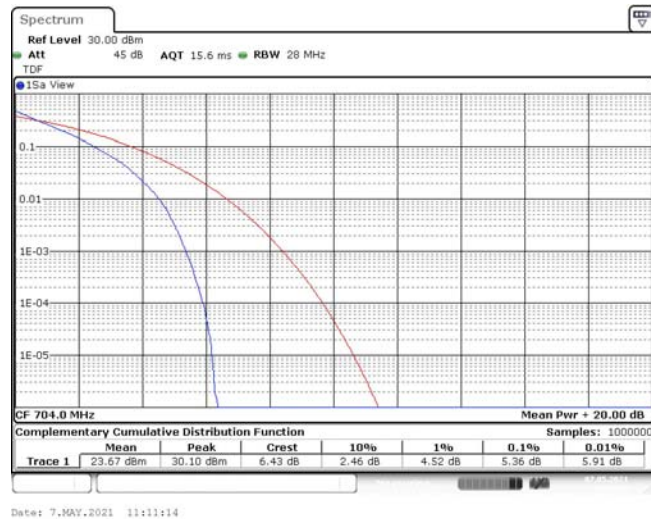
Band12-5MHz-16QAM-23155-25RB#0



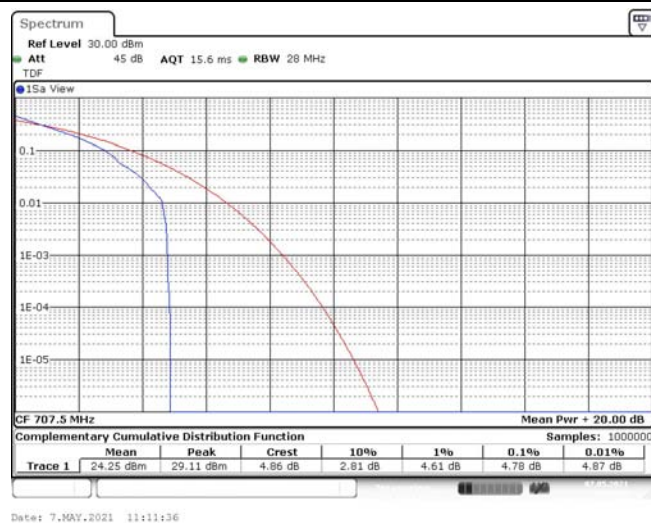
Band12-10MHz-QPSK-23060-1RB#0



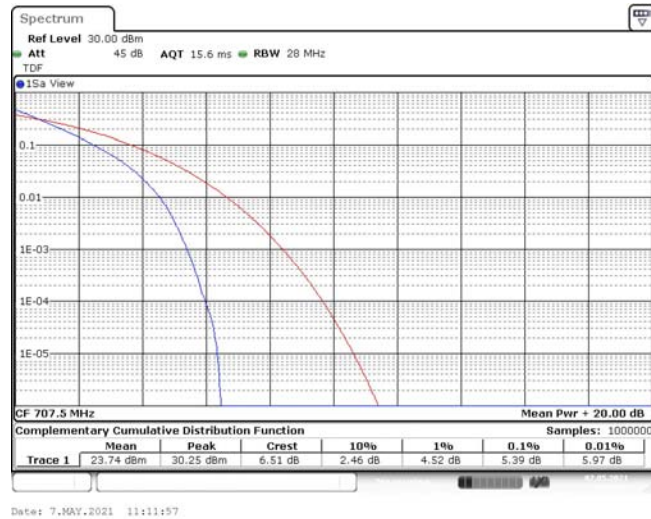
Band12-10MHz-QPSK-23060-50RB#0



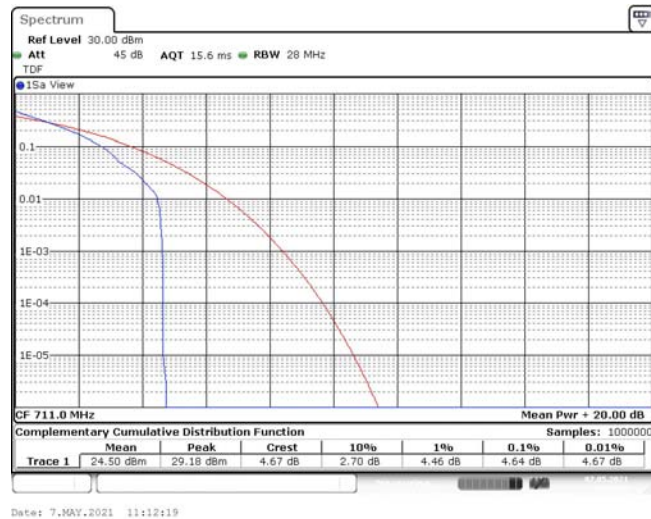
Band12-10MHz-QPSK-23095-1RB#0



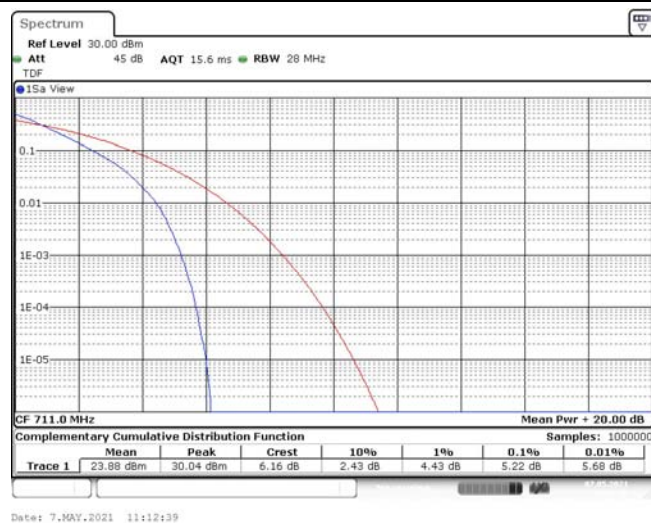
Band12-10MHz-QPSK-23095-50RB#0



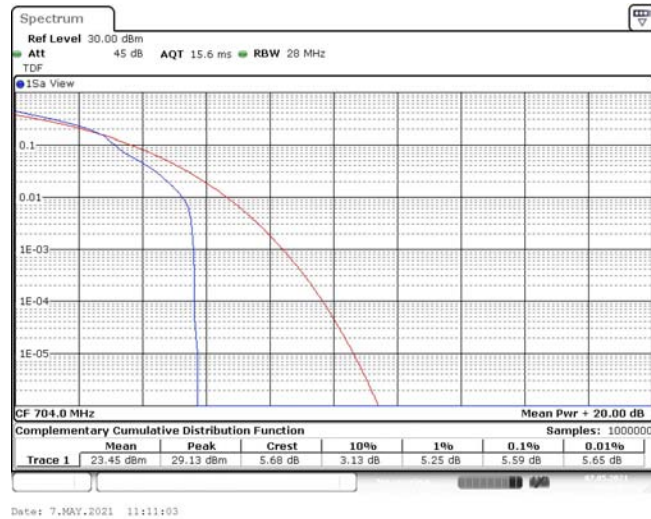
Band12-10MHz-QPSK-23130-1RB#0



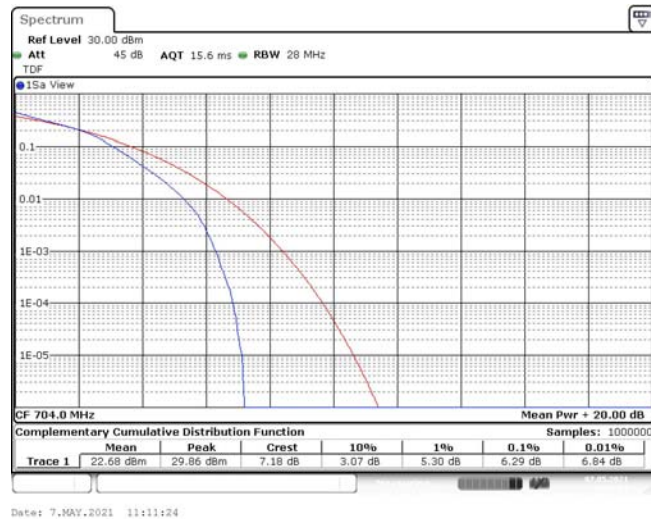
Band12-10MHz-QPSK-23130-50RB#0



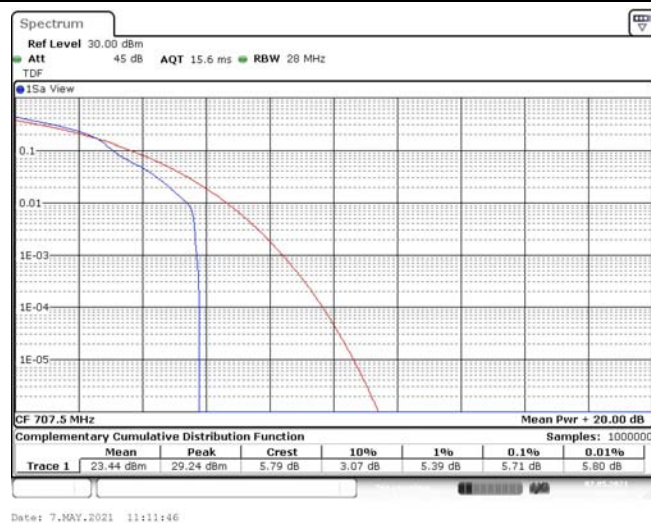
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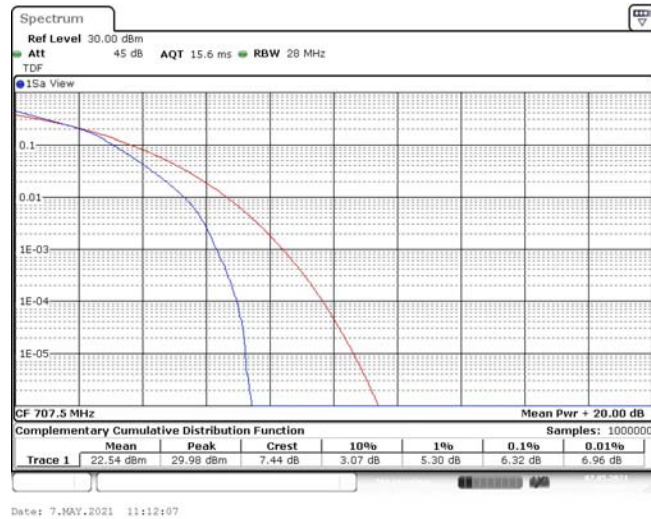
Band12-10MHz-16QAM-23060-50RB#0



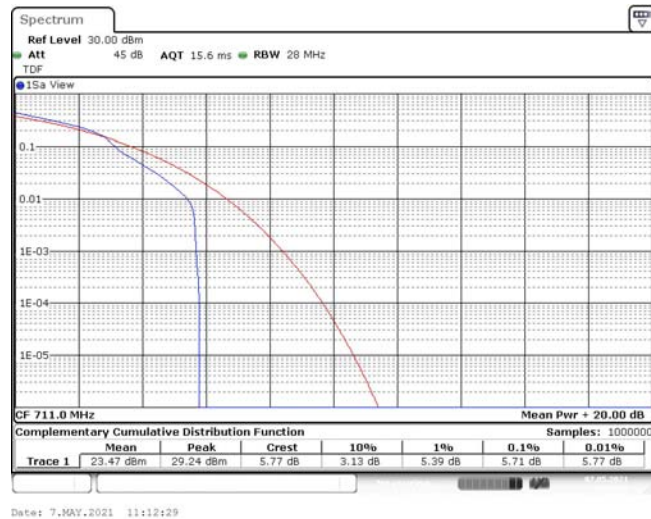
Band12-10MHz-16QAM-23095-1RB#0



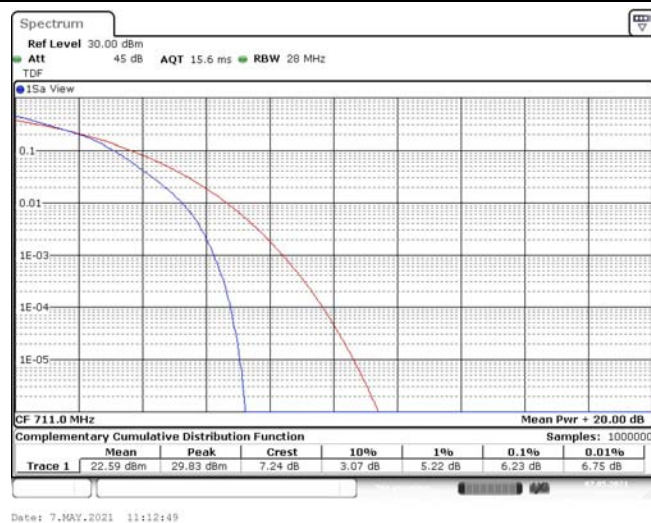
Band12-10MHz-16QAM-23095-50RB#0



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



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





Appendix C: 26dB Bandwidth and Occupied Bandwidth

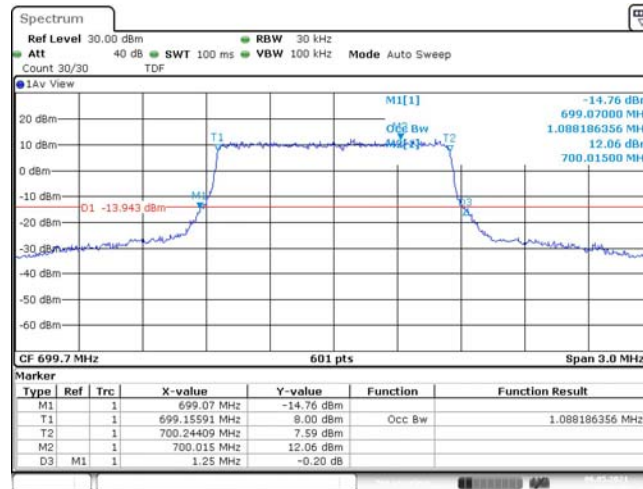
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth(MHz)	26dB Bandwidth(MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.088	1.250	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.235	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.093	1.225	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.225	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.088	1.205	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.235	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.696	2.850	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.696	2.870	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.705	2.860	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.696	2.880	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.696	2.860	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.696	2.860	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.496	4.780	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.496	4.780	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.496	4.800	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.496	4.770	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.515	4.780	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.505	4.780	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.985	9.533	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.985	9.533	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.952	9.533	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.952	9.533	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.985	9.533	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.918	9.533	PASS



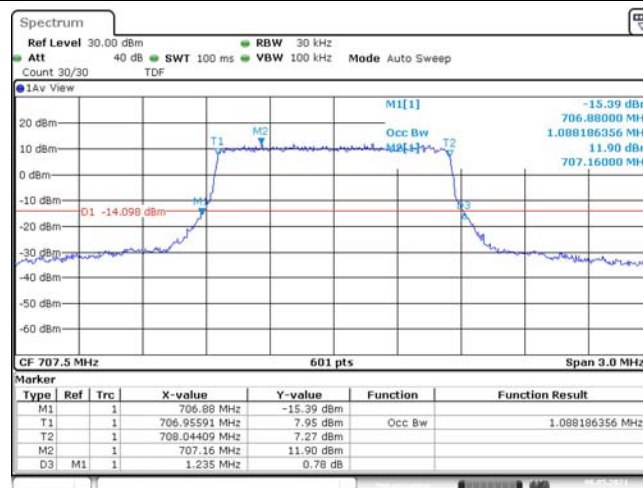
Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0-1.088



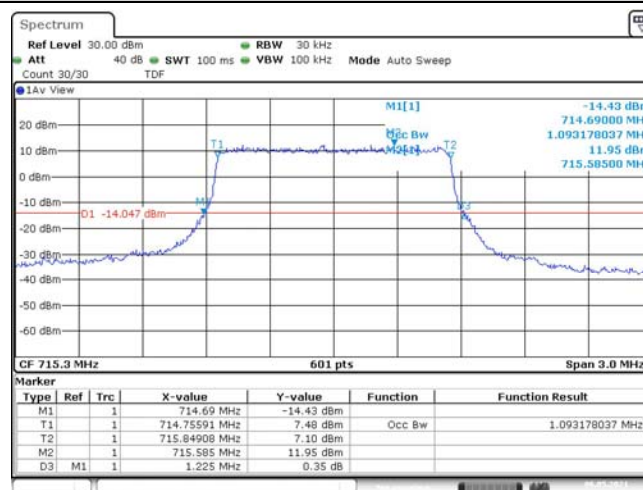
Date: 6.MAY.2021 16:02:47

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



Date: 6.MAY.2021 16:03:12

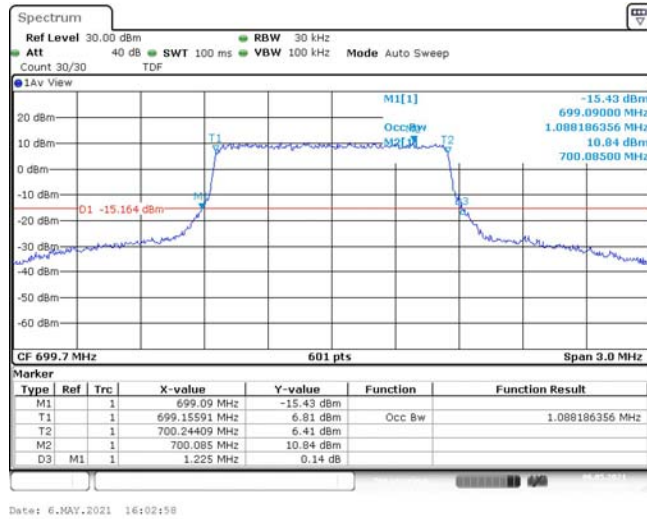
Band12-1.4MHz-QPSK-23173-6RB#0-1.093



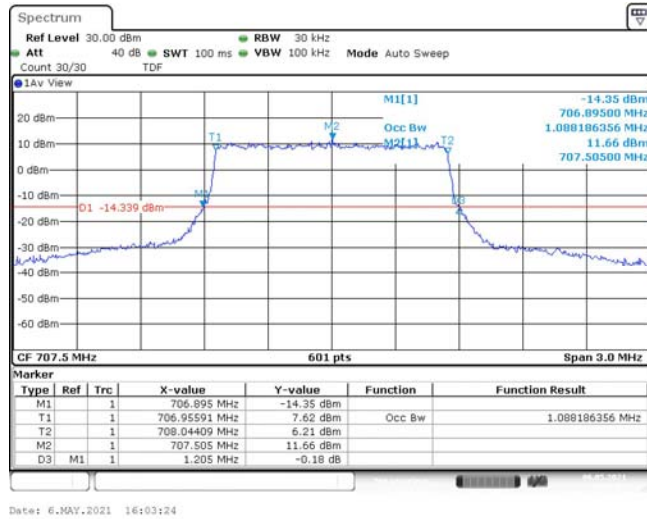
Date: 6.MAY.2021 16:03:37



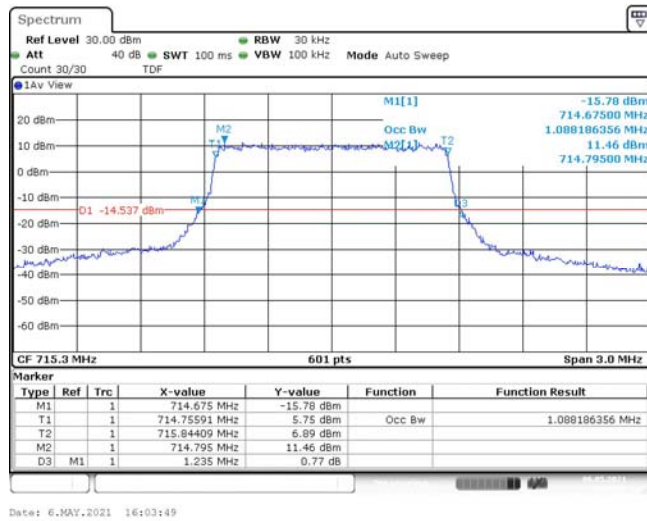
Band12-1.4MHz-16QAM-23017-6RB#0-1.088



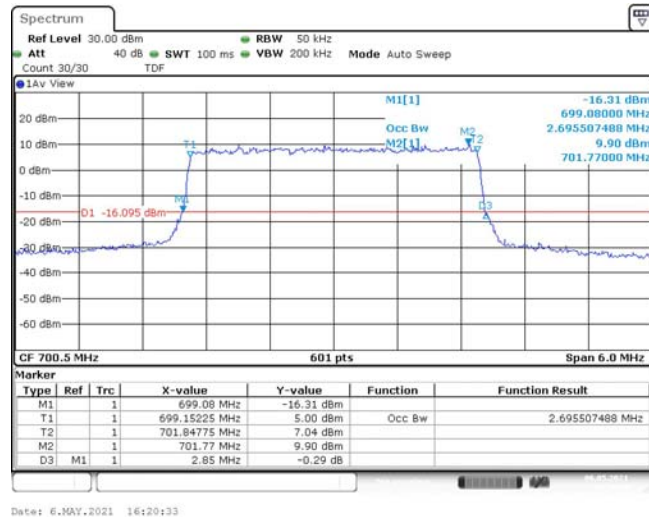
Band12-1.4MHz-16QAM-23095-6RB#0-1.088



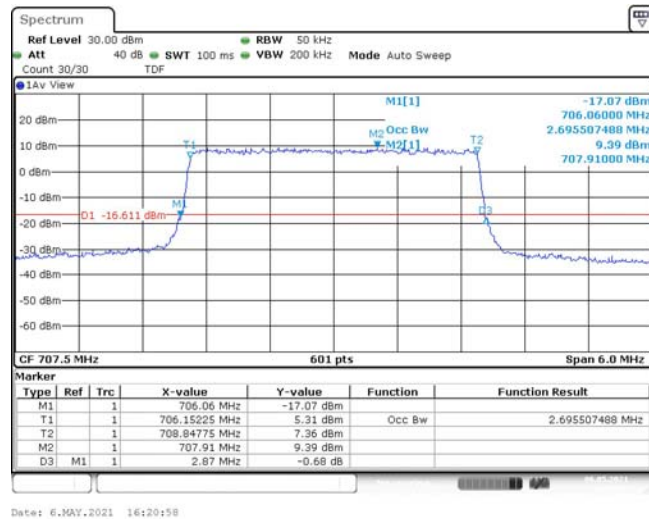
Band12-1.4MHz-16QAM-23173-6RB#0-1.088



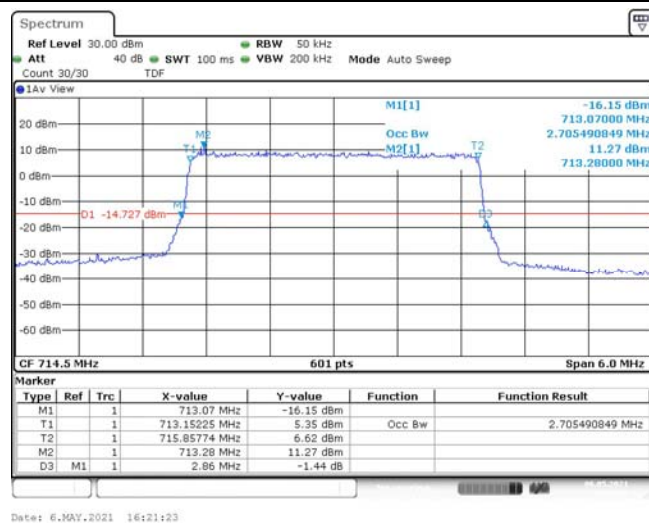
Band12-3MHz-QPSK-23025-15RB#0-2.696



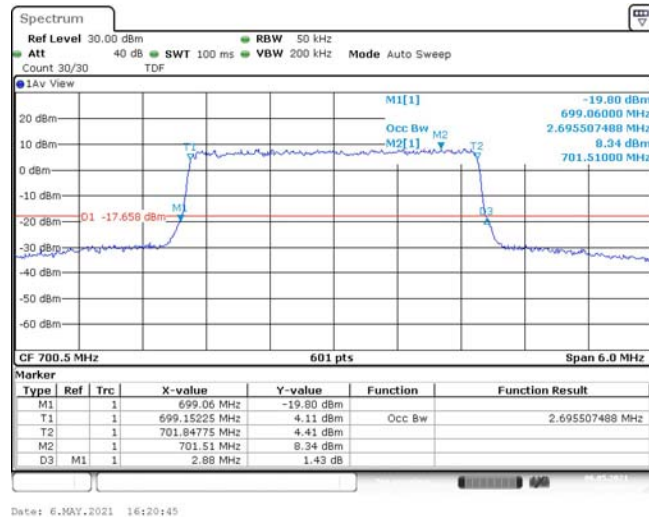
Band12-3MHz-QPSK-23095-15RB#0-2.696



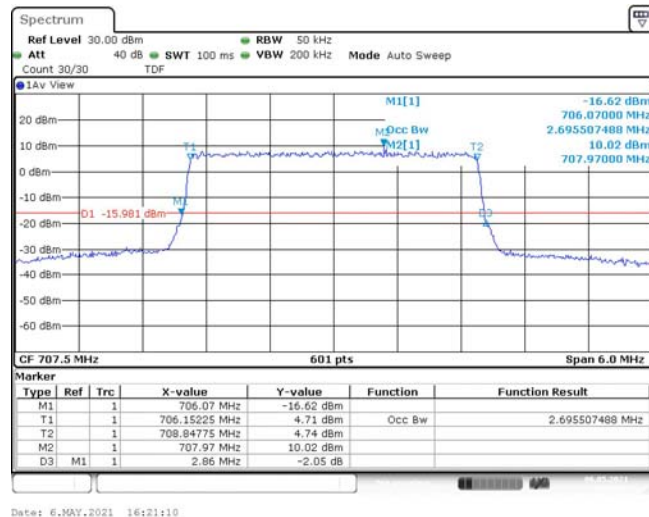
Band12-3MHz-QPSK-23165-15RB#0-2.705



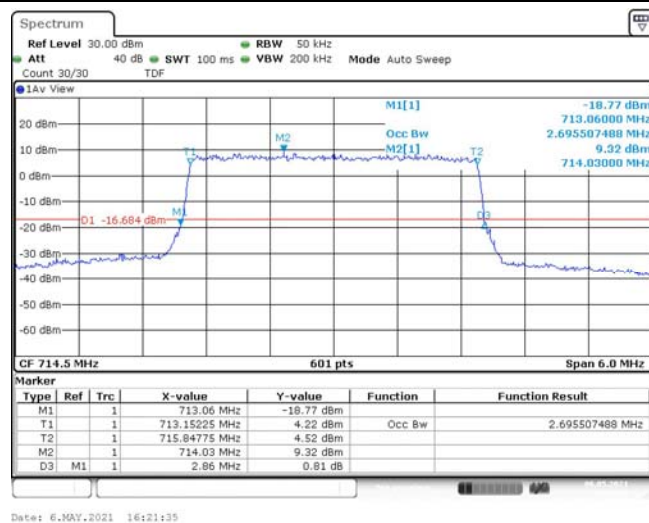
Band12-3MHz-16QAM-23025-15RB#0-2.696



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



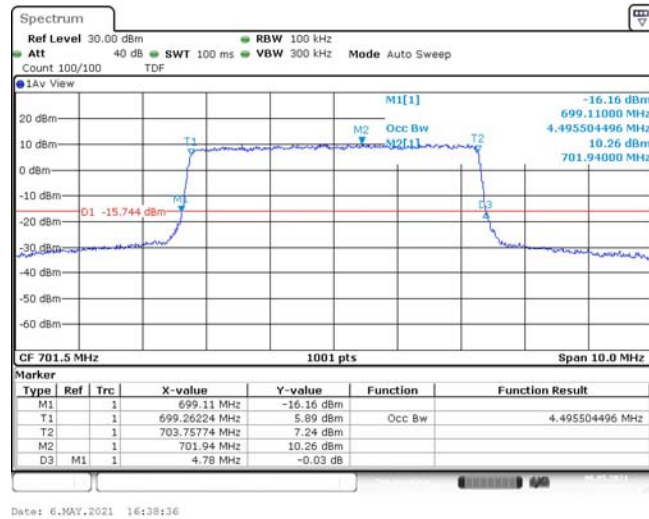
Band12-3MHz-16QAM-23165-15RB#0-2.696



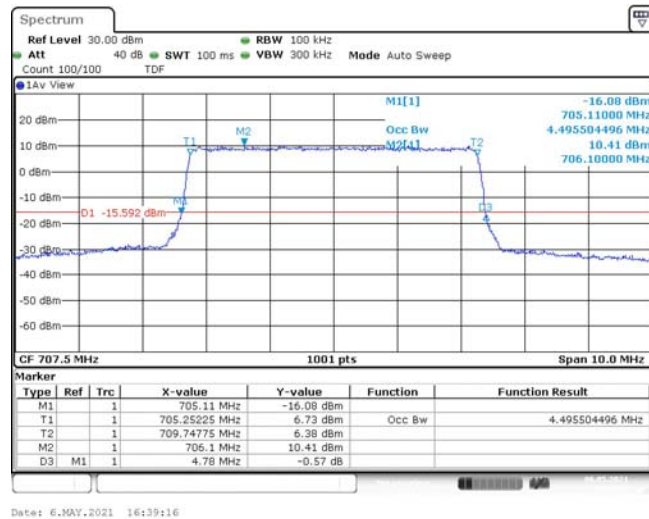
Band12-5MHz-QPSK-23035-25RB#0-4.496



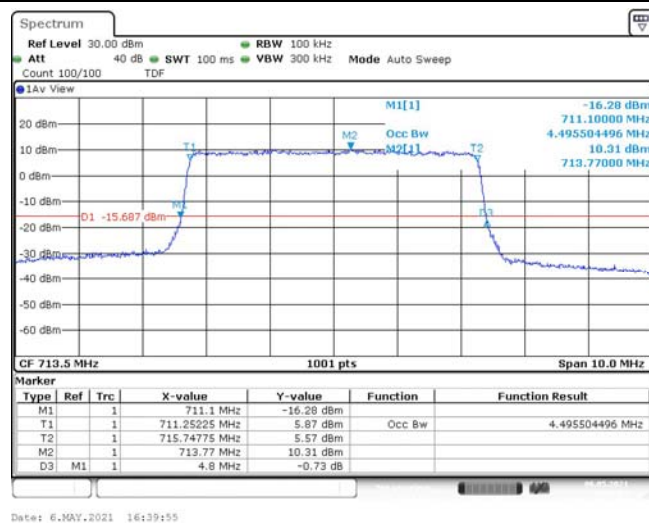
CTC Laboratories, Inc.



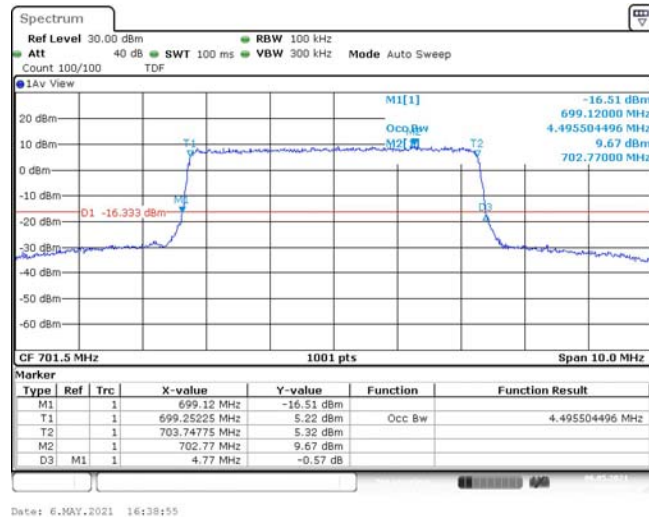
Band12-5MHz-QPSK-23095-25RB#0-4.496



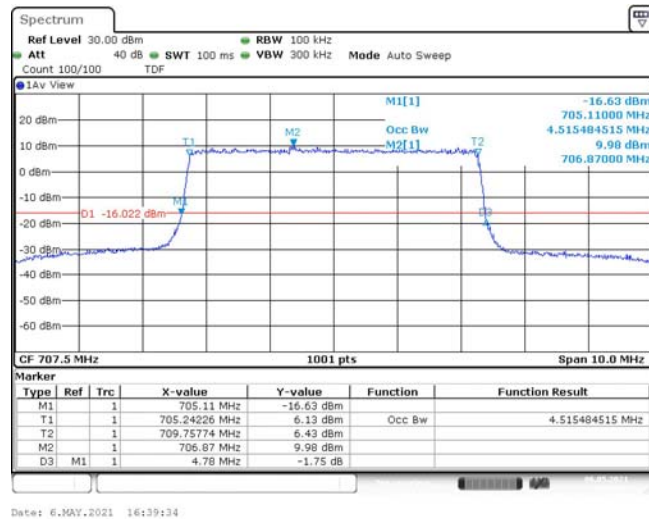
Band12-5MHz-QPSK-23155-25RB#0-4.496



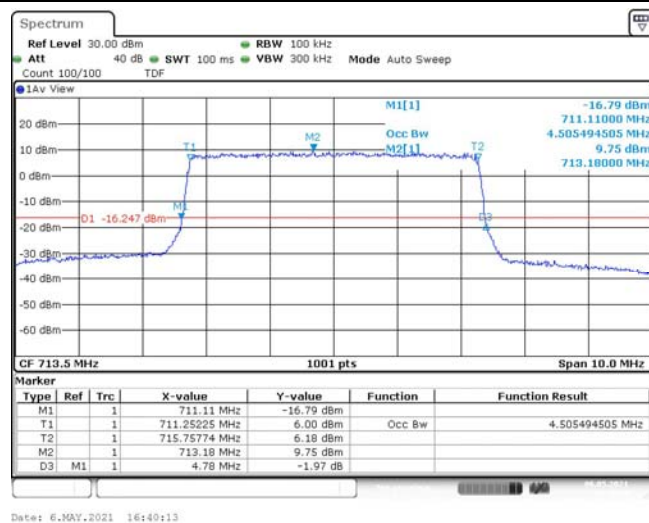
Band12-5MHz-16QAM-23035-25RB#0-4.496



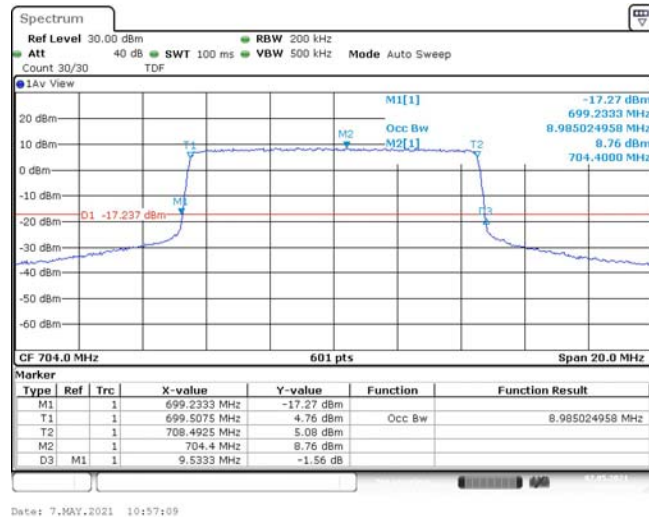
Band12-5MHz-16QAM-23095-25RB#0-4.515



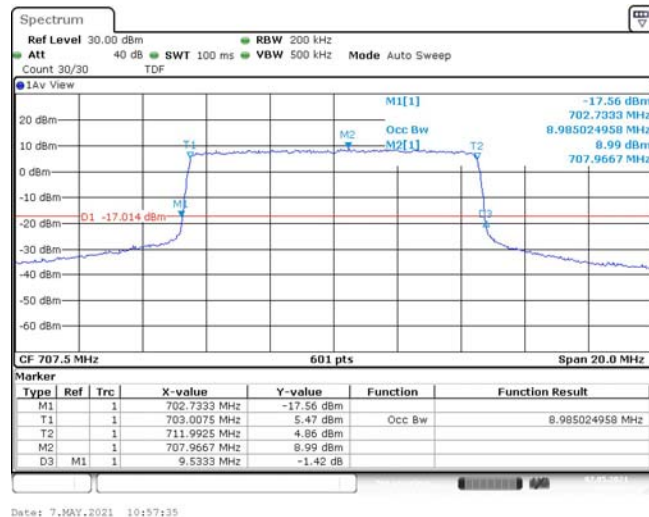
Band12-5MHz-16QAM-23155-25RB#0-4.505



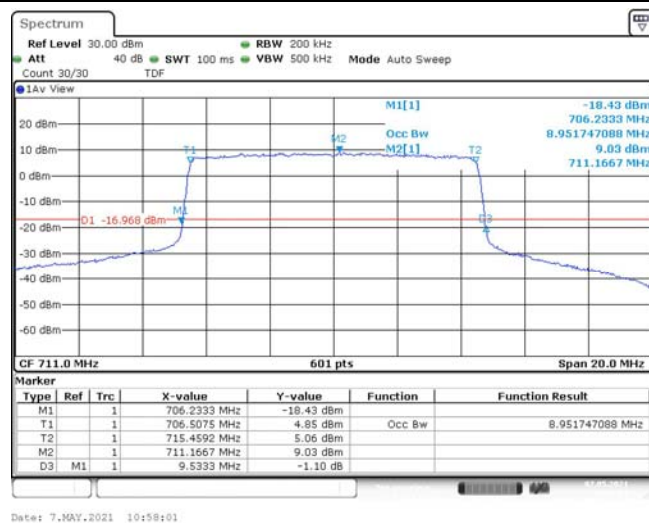
Band12-10MHz-QPSK-23060-50RB#0-8.985



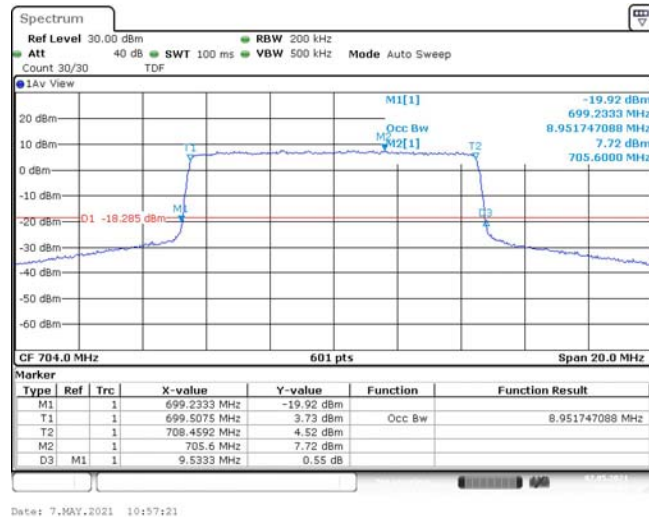
Band12-10MHz-QPSK-23095-50RB#0-8.985



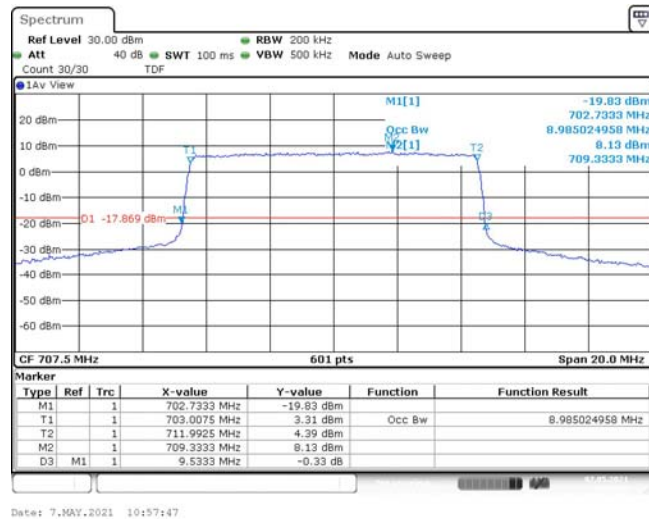
Band12-10MHz-QPSK-23130-50RB#0-8.952



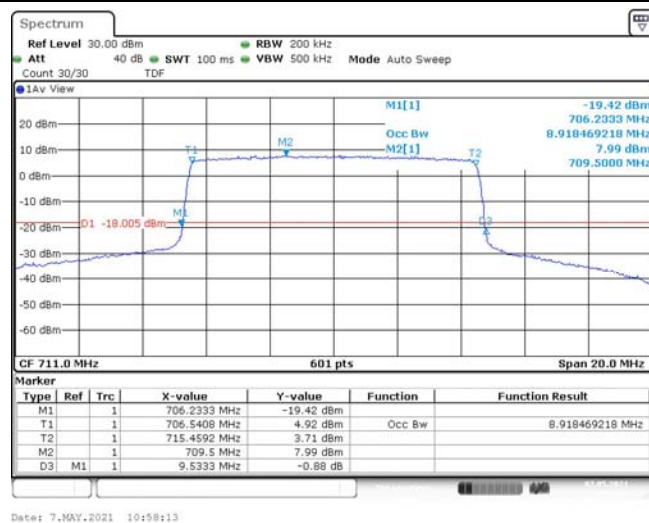
Band12-10MHz-16QAM-23060-50RB#0-8.952



Band12-10MHz-16QAM-23095-50RB#0-8.985



Band12-10MHz-16QAM-23130-50RB#0-8.918





Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-33.72,-23.61	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-46.27,-51.27	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-29.23,-26.53	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-50.94,-45.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-23.11,-31.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-29.03,-33.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-35.83,-25.07	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-47.02,-52.32	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-29.94,-28.01	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-51.95,-47.10	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-24.56,-31.97	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-29.62,-33.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	-31.44,-20.11	PASS
Band12	3MHz	QPSK	23025	1RB#14	-44.80,-52.50	PASS
Band12	3MHz	QPSK	23025	15RB#0	-30.48,-26.63	PASS
Band12	3MHz	QPSK	23165	1RB#0	-51.78,-44.66	PASS
Band12	3MHz	QPSK	23165	1RB#14	-20.99,-33.33	PASS
Band12	3MHz	QPSK	23165	15RB#0	-28.97,-35.66	PASS
Band12	3MHz	16QAM	23025	1RB#0	-32.58,-21.29	PASS
Band12	3MHz	16QAM	23025	1RB#14	-46.25,-53.64	PASS
Band12	3MHz	16QAM	23025	15RB#0	-31.66,-27.54	PASS
Band12	3MHz	16QAM	23165	1RB#0	-52.67,-44.80	PASS
Band12	3MHz	16QAM	23165	1RB#14	-21.65,-33.79	PASS
Band12	3MHz	16QAM	23165	15RB#0	-29.40,-35.78	PASS
Band12	5MHz	QPSK	23035	1RB#0	-21.64	PASS
Band12	5MHz	QPSK	23035	1RB#24	-53.82	PASS
Band12	5MHz	QPSK	23035	25RB#0	-28.13	PASS
Band12	5MHz	QPSK	23155	1RB#0	-53.39	PASS
Band12	5MHz	QPSK	23155	1RB#24	-23.00	PASS
Band12	5MHz	QPSK	23155	25RB#0	-29.63	PASS
Band12	5MHz	16QAM	23035	1RB#0	-23.32	PASS
Band12	5MHz	16QAM	23035	1RB#24	-54.45	PASS
Band12	5MHz	16QAM	23035	25RB#0	-29.22	PASS
Band12	5MHz	16QAM	23155	1RB#0	-54.05	PASS
Band12	5MHz	16QAM	23155	1RB#24	-22.67	PASS
Band12	5MHz	16QAM	23155	25RB#0	-30.10	PASS
Band12	10MHz	QPSK	23060	1RB#0	-36.87,-32.32	PASS
Band12	10MHz	QPSK	23060	1RB#49	-51.61,-50.50	PASS



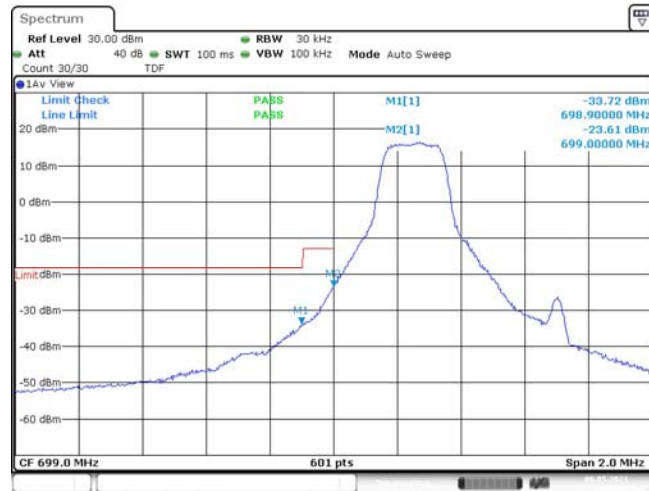
CTC Laboratories, Inc.

Band12	10MHz	QPSK	23060	50RB#0	-27.90,-27.08	PASS
Band12	10MHz	QPSK	23130	1RB#0	-50.82,-51.88	PASS
Band12	10MHz	QPSK	23130	1RB#49	-31.92,-37.07	PASS
Band12	10MHz	QPSK	23130	50RB#0	-28.71,-29.46	PASS
Band12	10MHz	16QAM	23060	1RB#0	-38.01,-32.75	PASS
Band12	10MHz	16QAM	23060	1RB#49	-52.00,-50.74	PASS
Band12	10MHz	16QAM	23060	50RB#0	-28.44,-27.88	PASS
Band12	10MHz	16QAM	23130	1RB#0	-51.14,-52.09	PASS
Band12	10MHz	16QAM	23130	1RB#49	-33.00,-38.58	PASS
Band12	10MHz	16QAM	23130	50RB#0	-28.99,-29.54	PASS



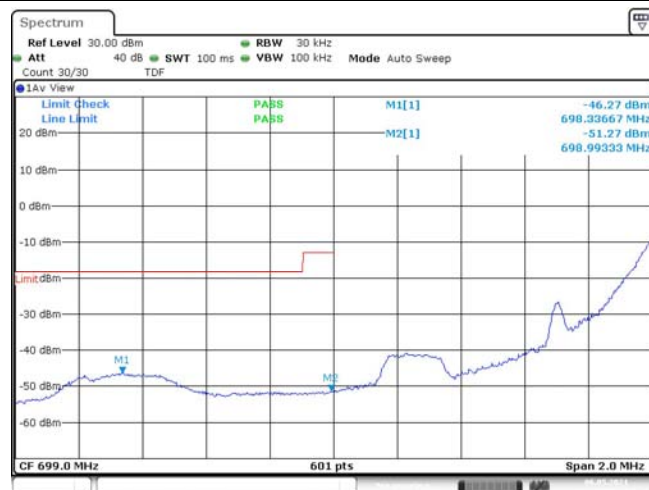
Test Graphs

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



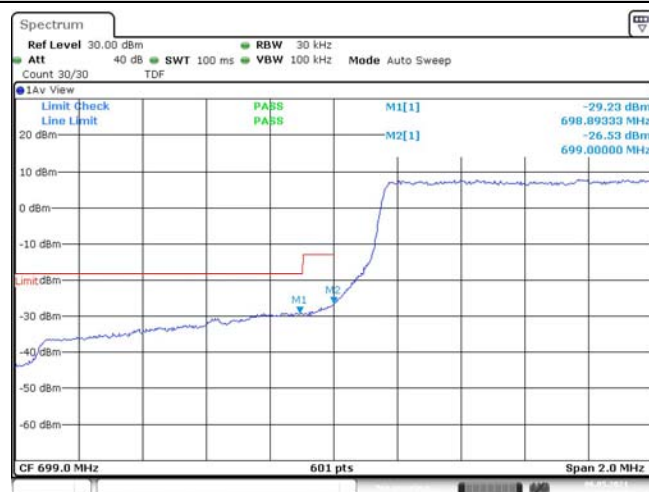
Date: 6.MAY.2021 16:04:07

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



Date: 6.MAY.2021 16:04:29

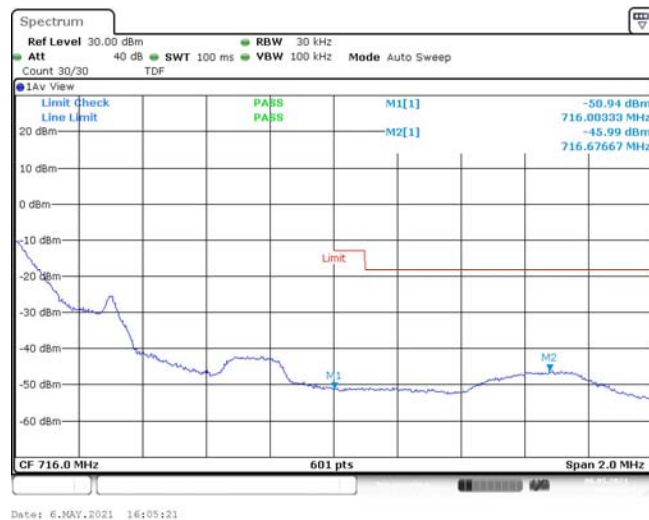
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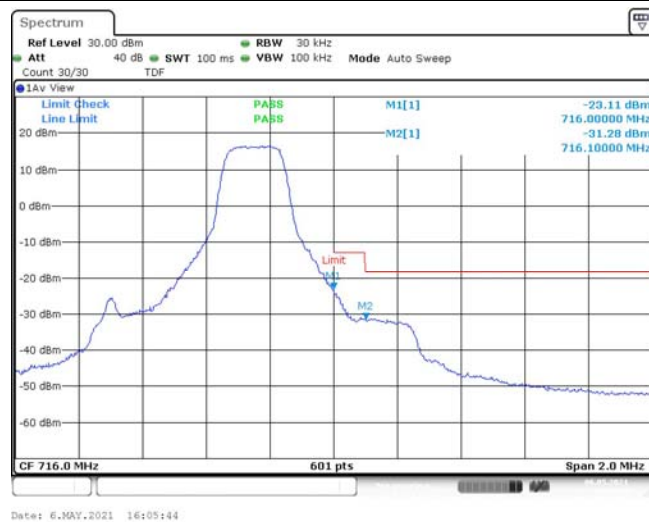
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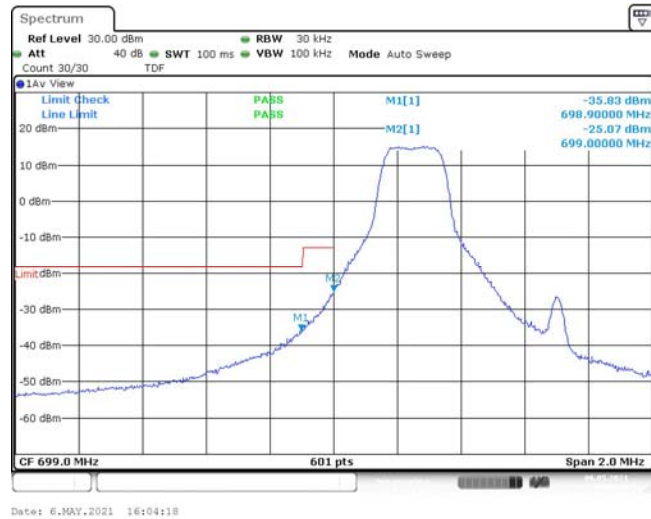
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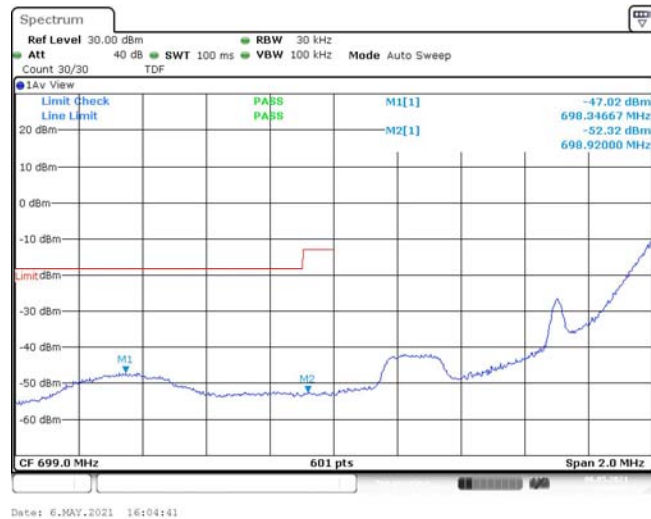
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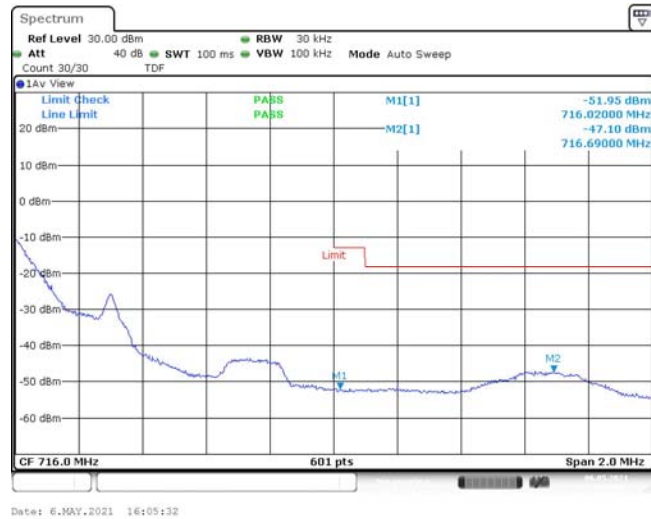
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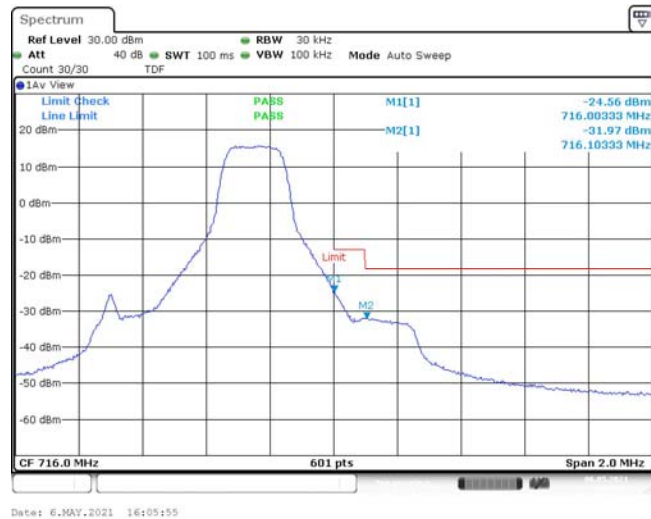
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Band12-1.4MHz-16QAM-23173-1RB#5



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



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