

LTE Band 12 Test Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.25	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.15	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.30	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.33	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.28	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.36	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.31	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.25	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.35	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.29	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.26	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.18	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.25	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.27	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.21	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.18	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.38	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.35	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.32	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.26	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.21	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.22	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.30	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.20	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.15	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.14	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	22.11	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.34	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.48	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.11	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.13	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.10	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.23	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.24	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.33	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.19	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.34	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.32	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.33	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.41	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.37	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.29	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.29	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.43	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.40	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.33	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.40	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.22	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.31	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.21	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.38	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.34	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.35	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.35	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.54	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.48	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.42	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.47	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.42	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.37	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.41	PASS

Band12	3MHz	16QAM	23095	1RB#0	22.54	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.50	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.47	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.40	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.42	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.39	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.34	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.10	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.21	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.24	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.39	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.38	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.40	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.22	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.35	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.35	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.33	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.39	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.35	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.38	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.32	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.45	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.42	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.31	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.44	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.40	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.35	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.37	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.34	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.32	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.28	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.28	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.26	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.31	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.28	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.42	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.43	PASS

Band12	5MHz	16QAM	23035	1RB#24	22.45	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.39	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.42	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.41	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.35	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.65	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.63	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.49	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.48	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.48	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.41	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.35	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.34	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.40	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.40	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.31	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.36	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.32	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.31	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.00	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.07	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.04	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.26	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.34	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.26	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.58	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.13	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.02	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.94	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.23	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.17	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.08	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.07	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.06	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.00	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.10	PASS

Band12	10MHz	QPSK	23130	25RB#12	22.12	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.00	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.12	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.33	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.37	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.38	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.33	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.31	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.21	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.17	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.41	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.19	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.17	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.27	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.25	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.11	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.22	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.06	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.93	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.92	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.14	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.18	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.09	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.09	PASS

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

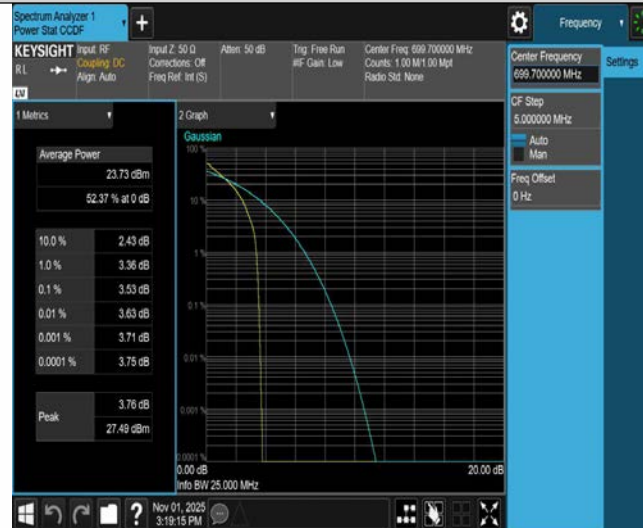
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.53	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.45	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.92	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.60	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.00	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.75	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.30	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.33	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	4.84	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.48	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.91	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.61	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.42	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.48	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.98	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.54	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.83	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.66	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.28	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.41	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.74	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.47	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.61	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.55	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.44	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.62	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.06	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.68	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.78	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.69	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.21	13	PASS

Band12	5MHz	16QAM	23035	25RB#0	5.52	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.95	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.50	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.53	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.55	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.24	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.70	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.97	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.93	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.70	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.84	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.06	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.61	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.82	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.72	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.50	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.70	13	PASS

Test Graphs

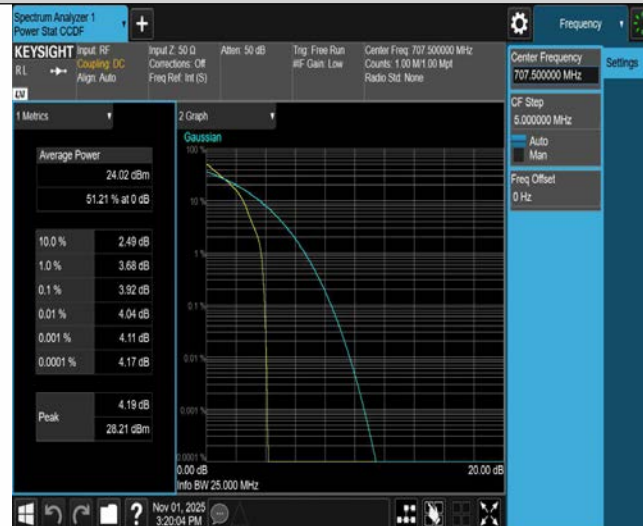
Band12-1.4MHz-QPSK-23017-1RB#0



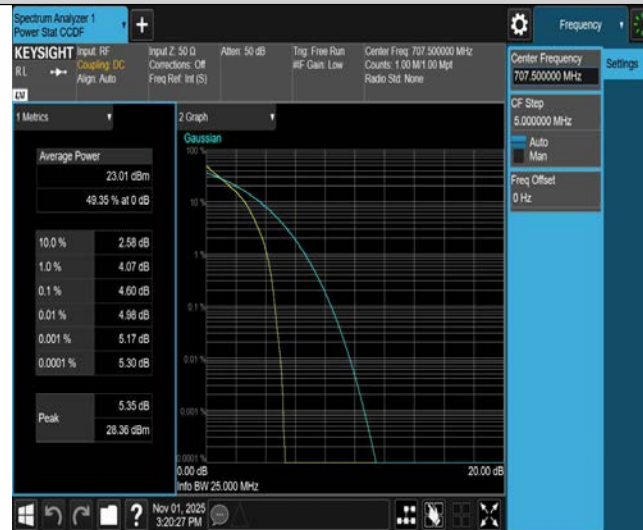
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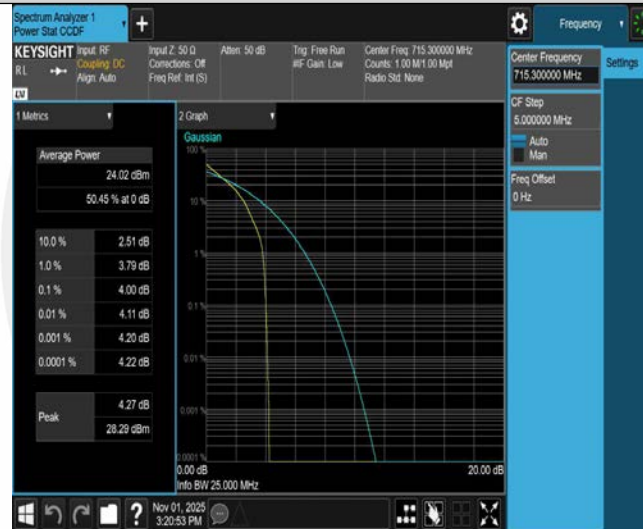
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Band12-1.4MHz-QPSK-23095-6RB#0



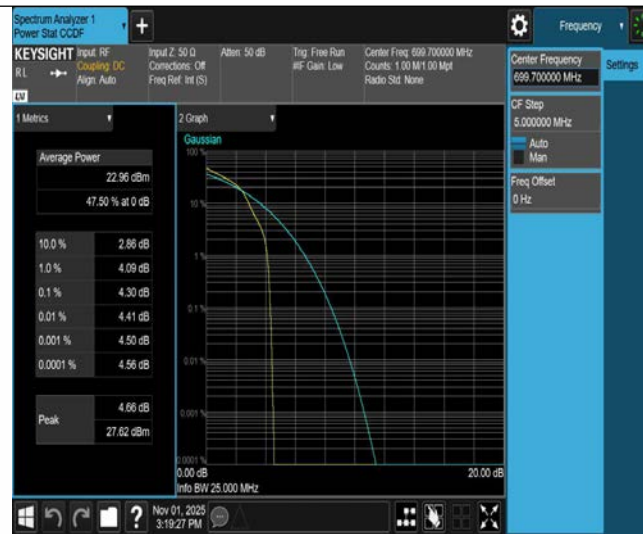
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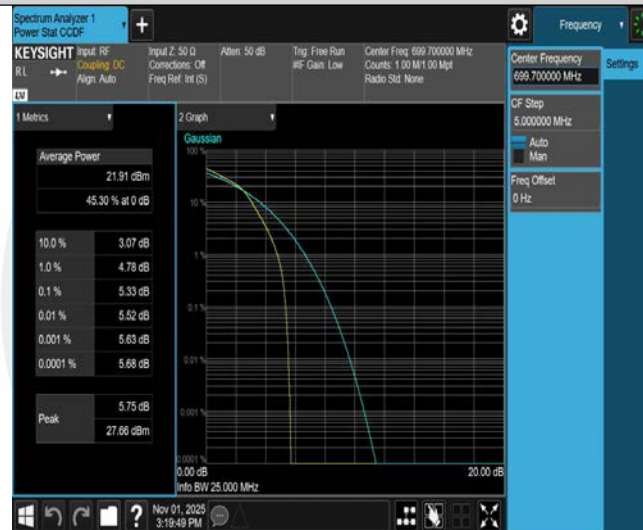
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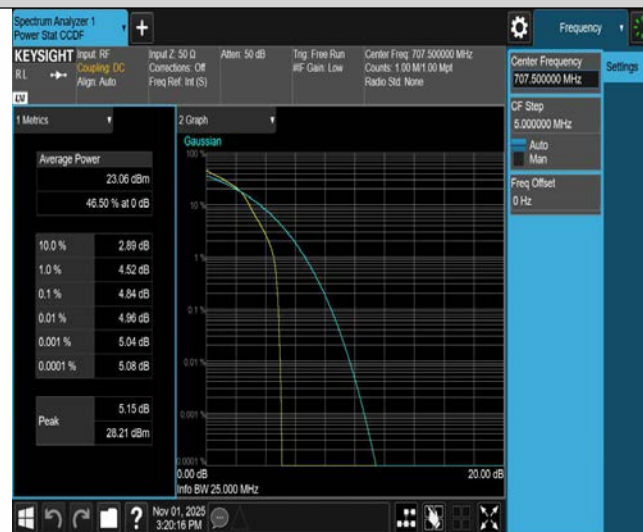
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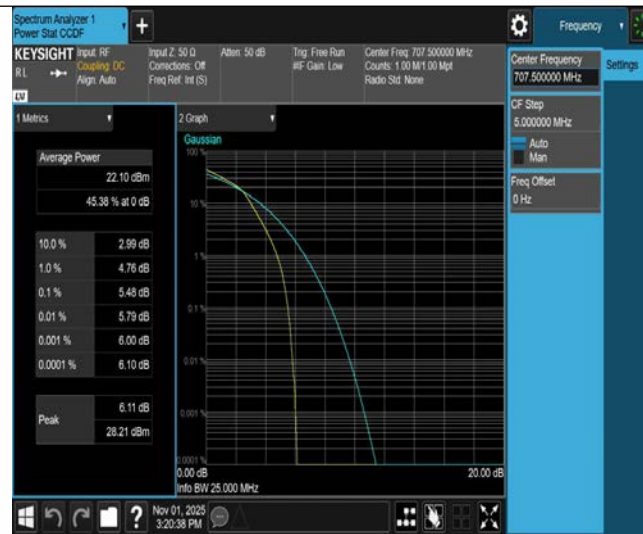
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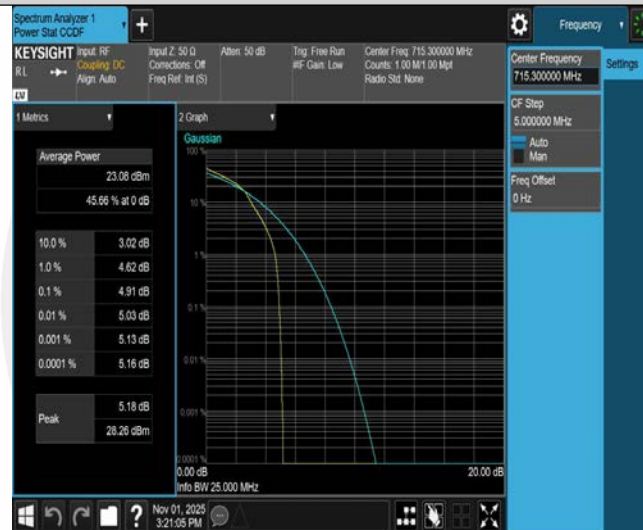
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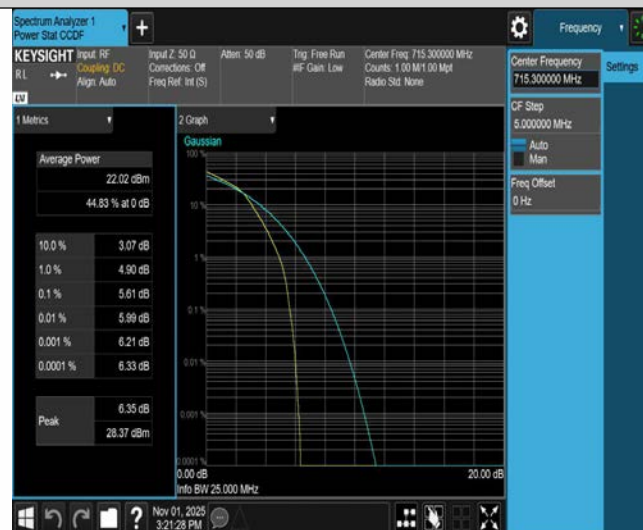
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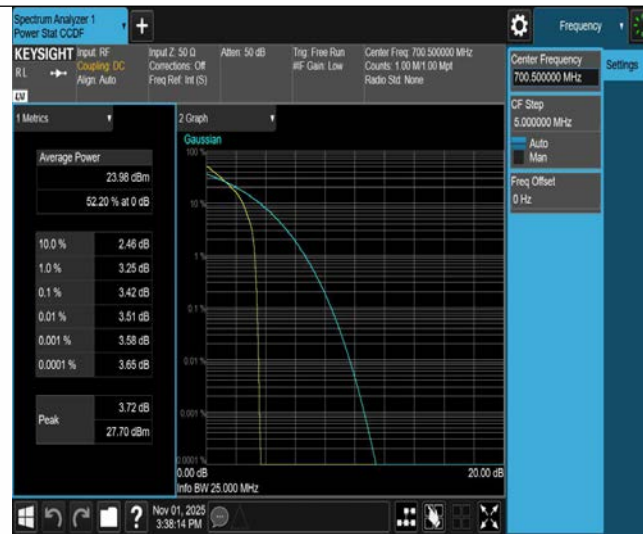
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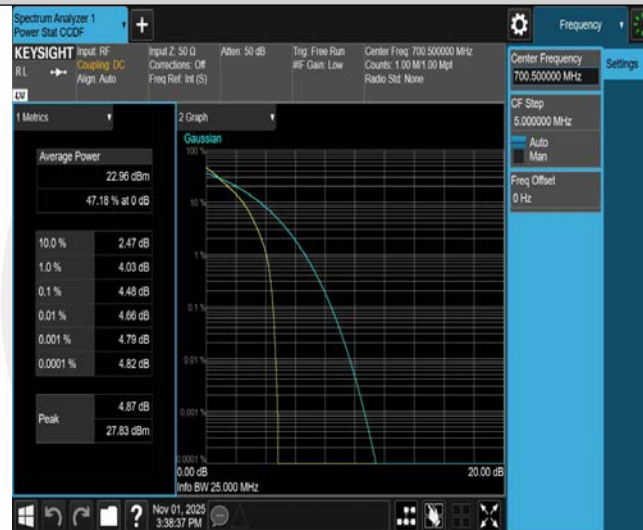
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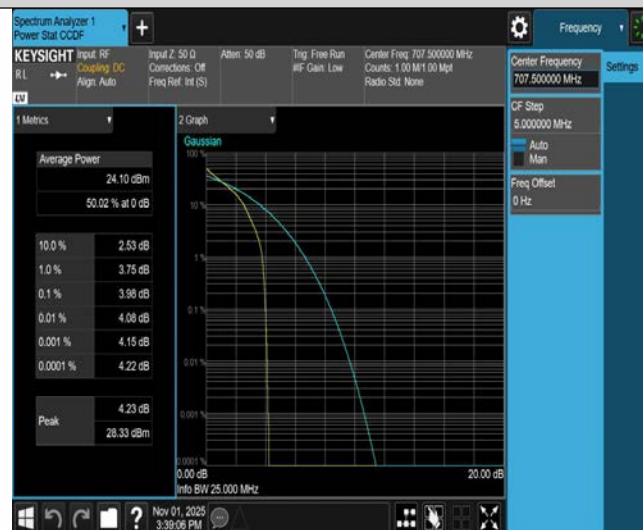
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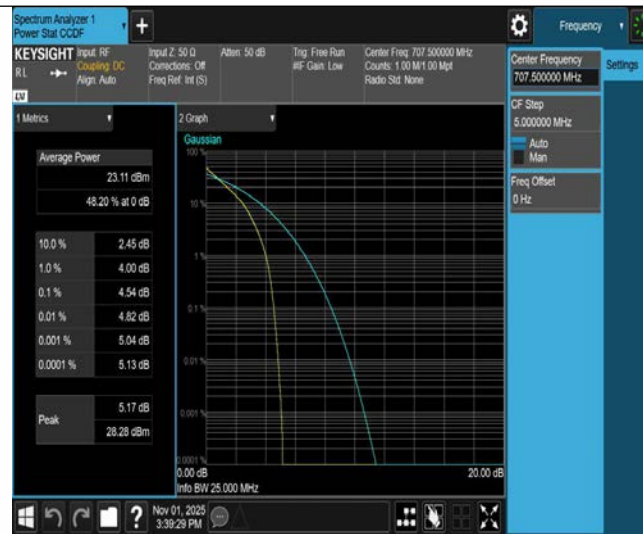
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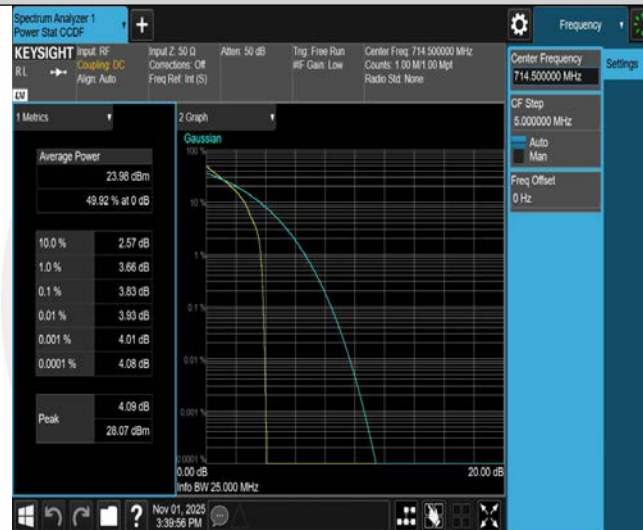
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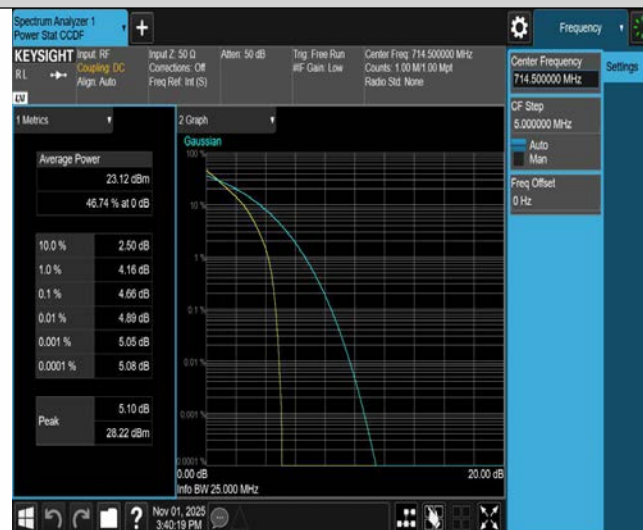
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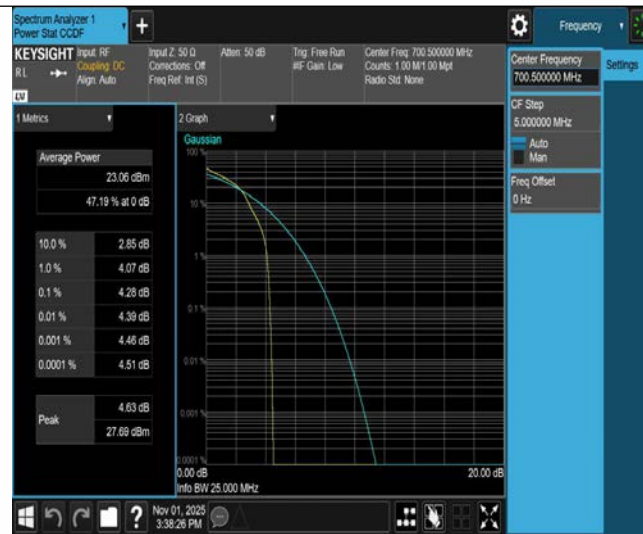
Band12-3MHz-QPSK-23165-1RB#0



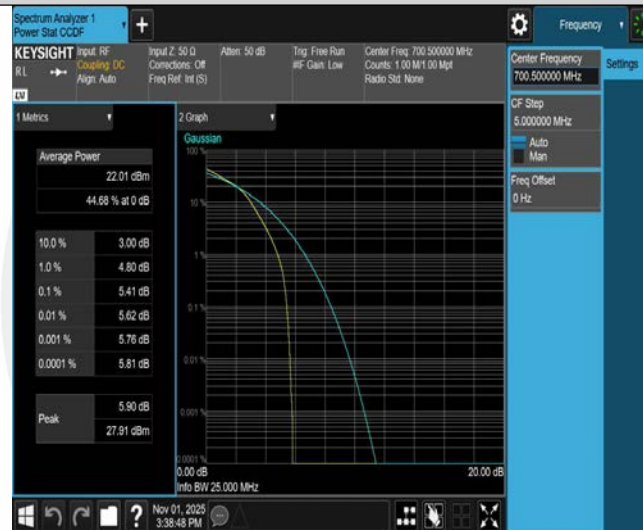
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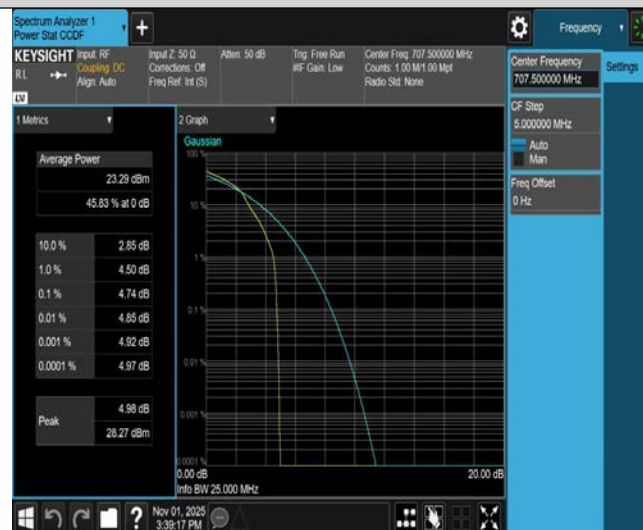
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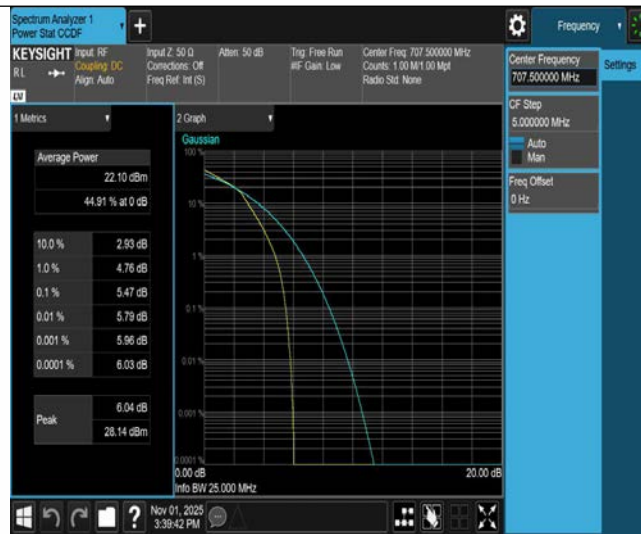
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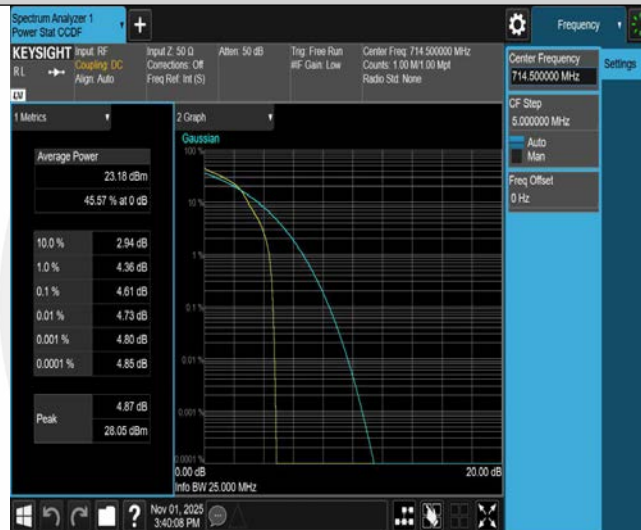
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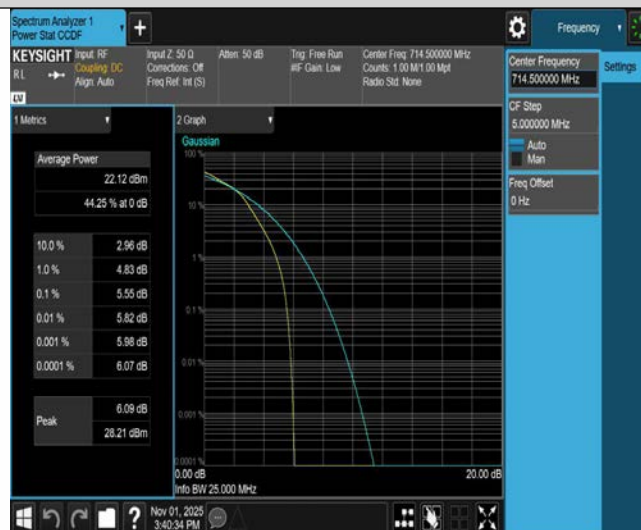
Band12-3MHz-16QAM-23095-15RB#0



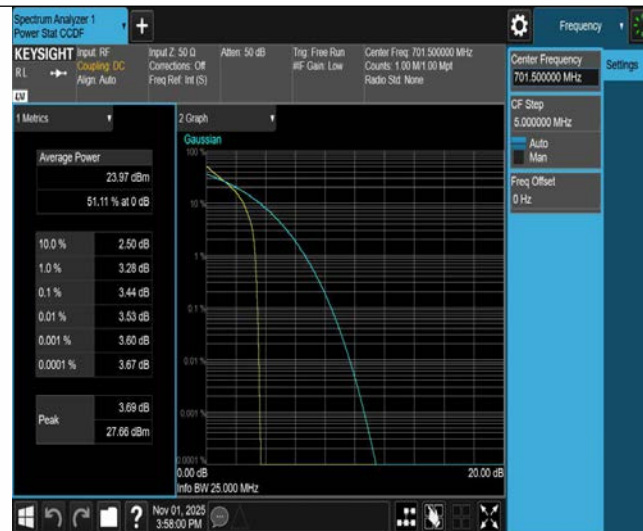
Band12-3MHz-16QAM-23165-1RB#0



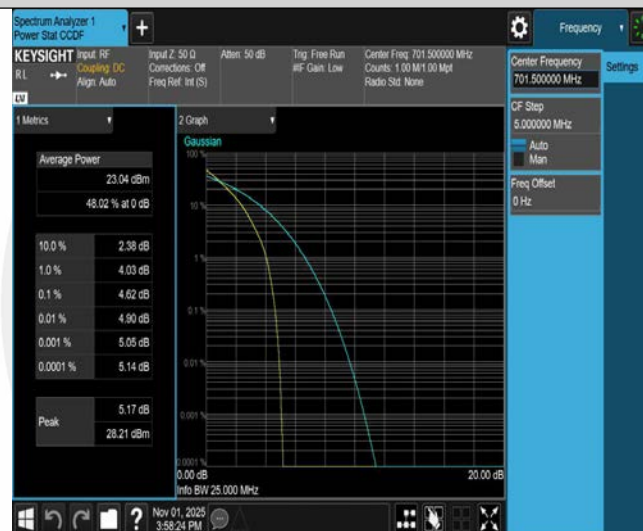
Band12-3MHz-16QAM-23165-15RB#0



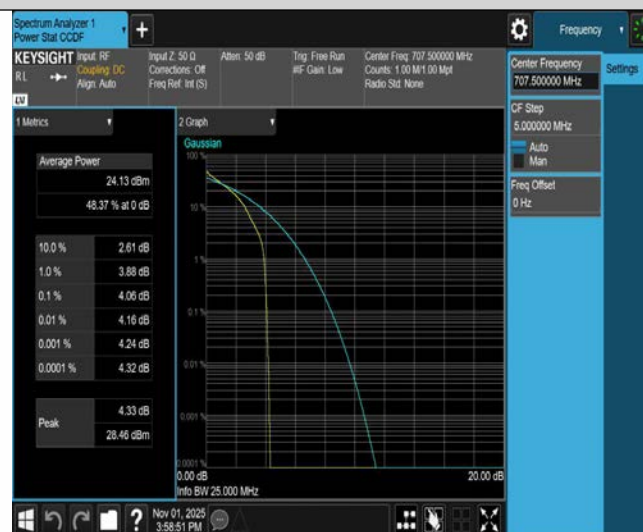
Band12-5MHz-QPSK-23035-1RB#0



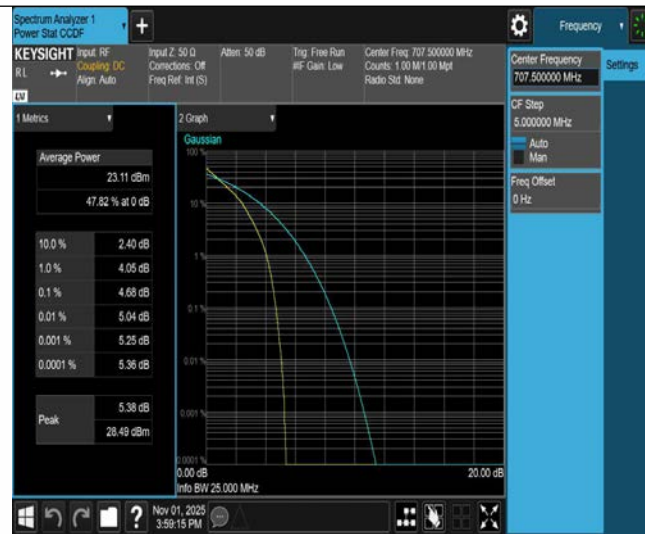
Band12-5MHz-QPSK-23035-25RB#0



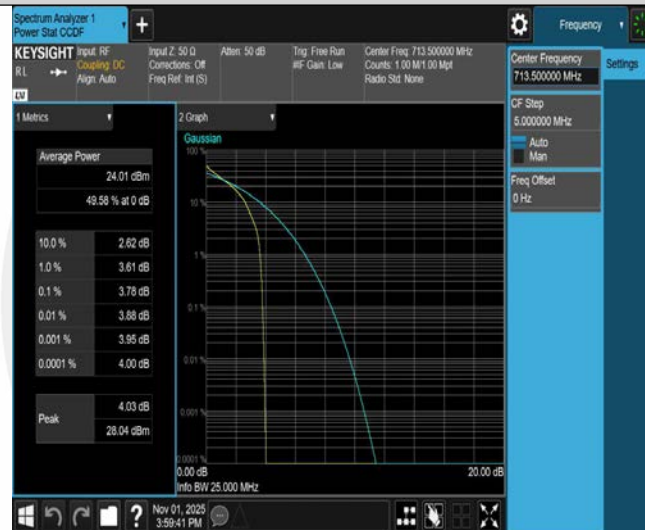
Band12-5MHz-QPSK-23095-1RB#0



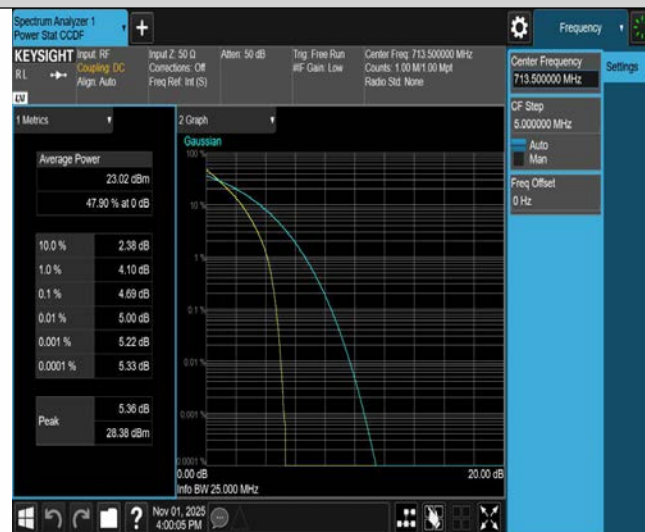
Band12-5MHz-QPSK-23095-25RB#0



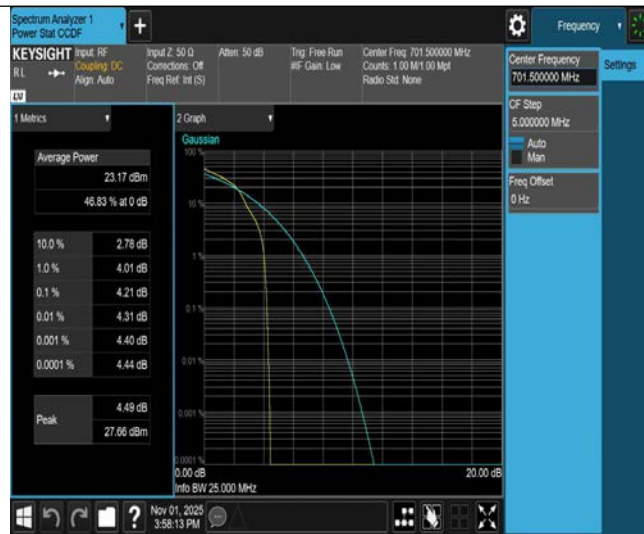
Band12-5MHz-QPSK-23155-1RB#0



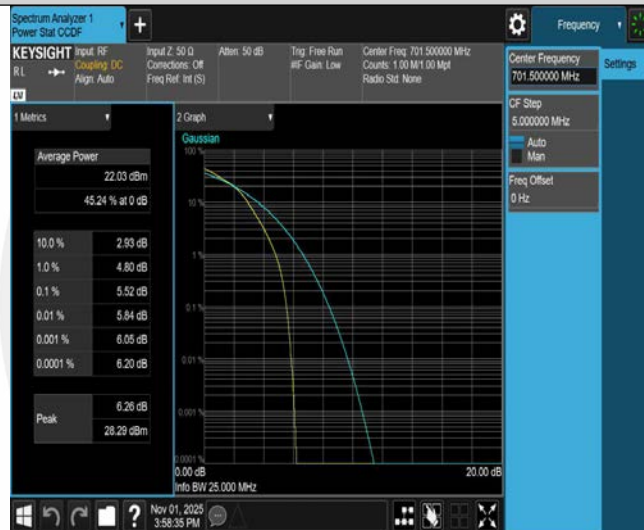
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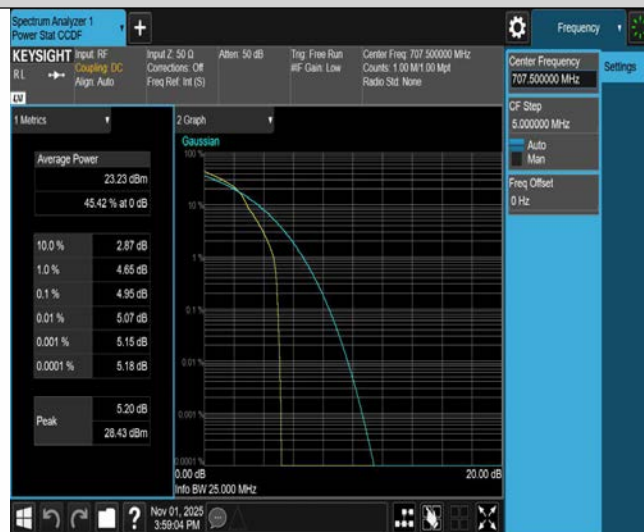
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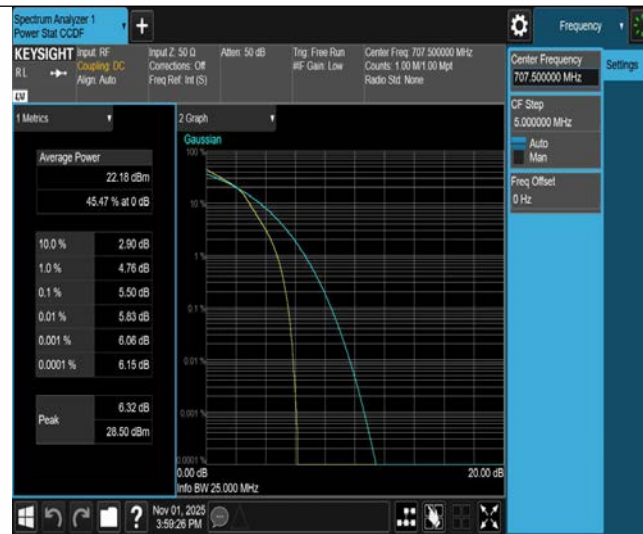
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Band12-5MHz-16QAM-23095-1RB#0



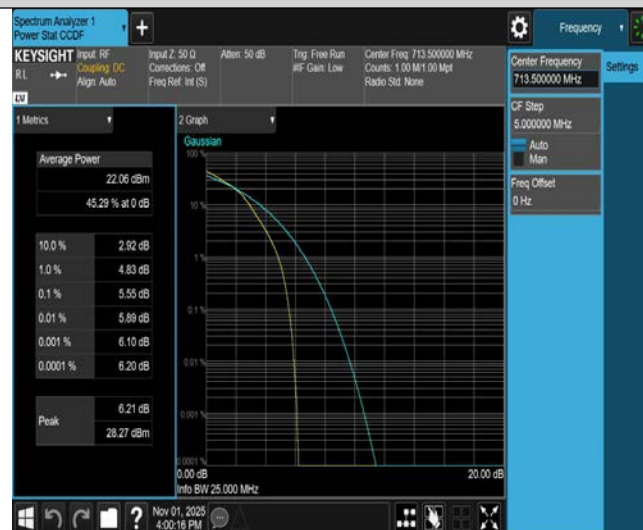
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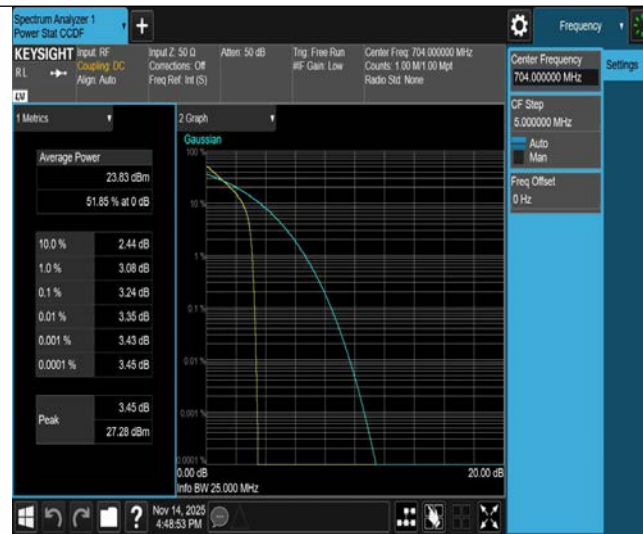
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Band12-5MHz-16QAM-23155-25RB#0



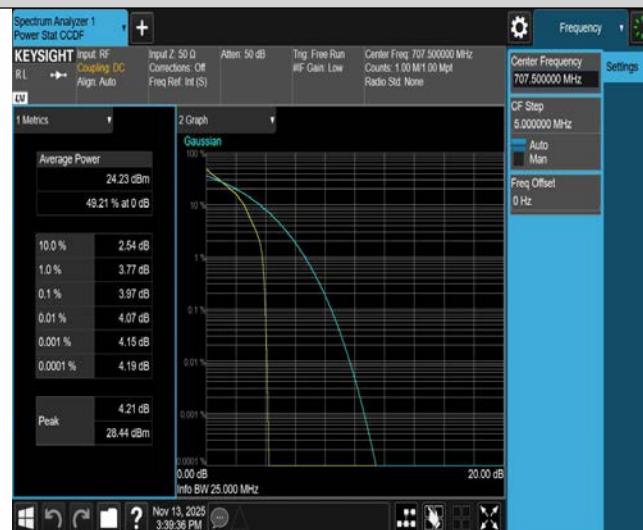
Band12-10MHz-QPSK-23060-1RB#0



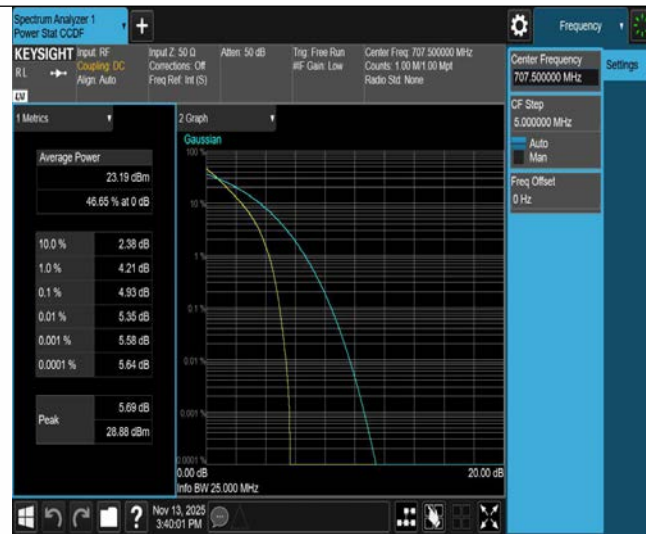
Band12-10MHz-QPSK-23060-50RB#0



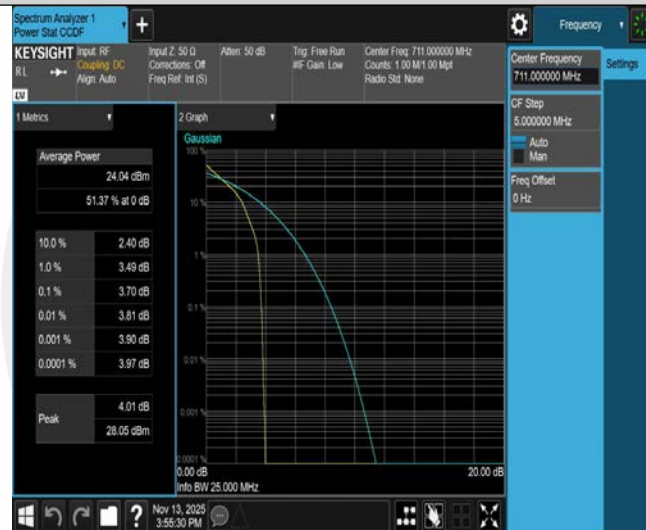
Band12-10MHz-QPSK-23095-1RB#0



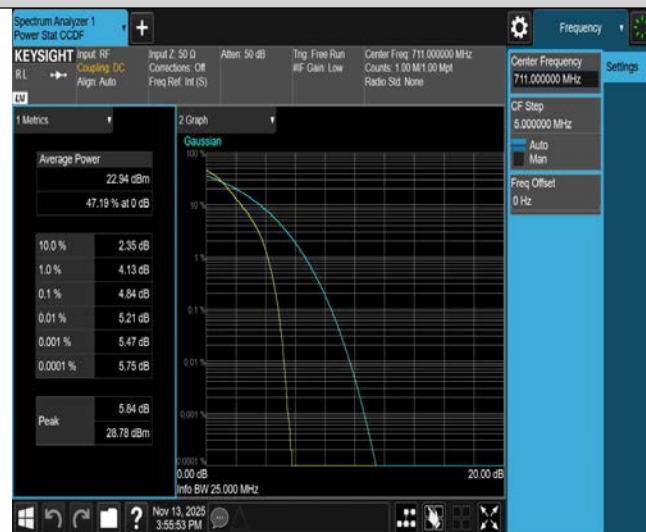
Band12-10MHz-QPSK-23095-50RB#0



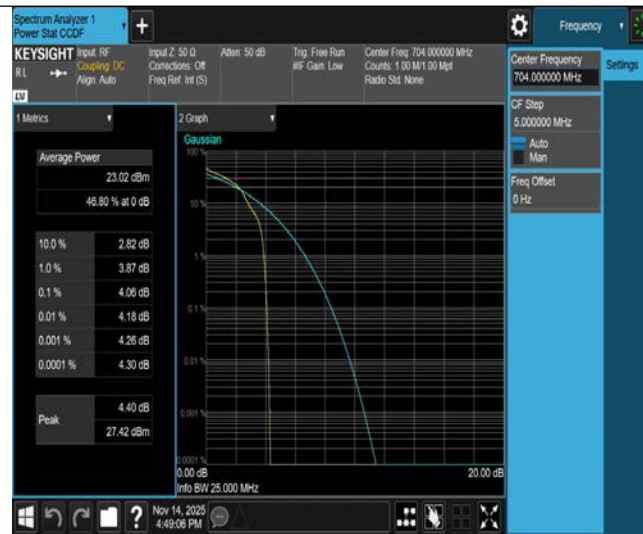
Band12-10MHz-QPSK-23130-1RB#0



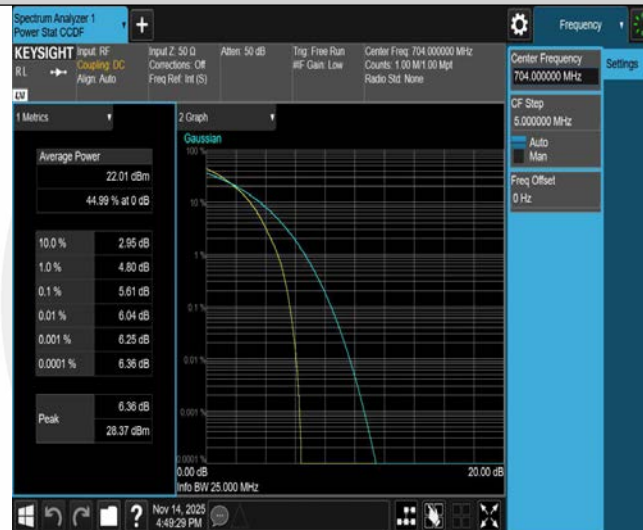
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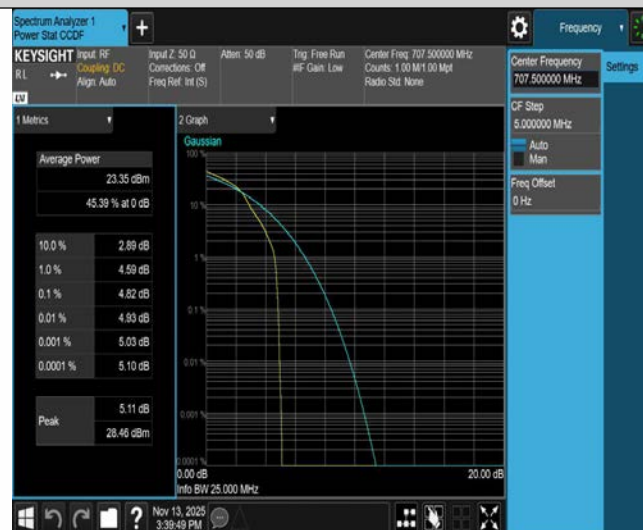
Band12-10MHz-16QAM-23060-1RB#0



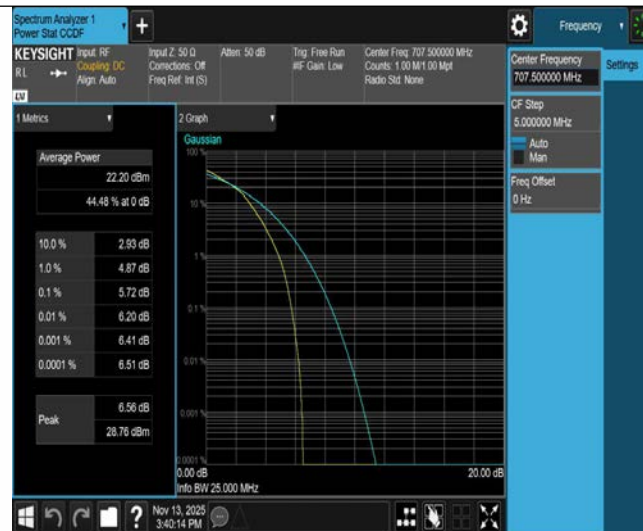
Band12-10MHz-16QAM-23060-50RB#0



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



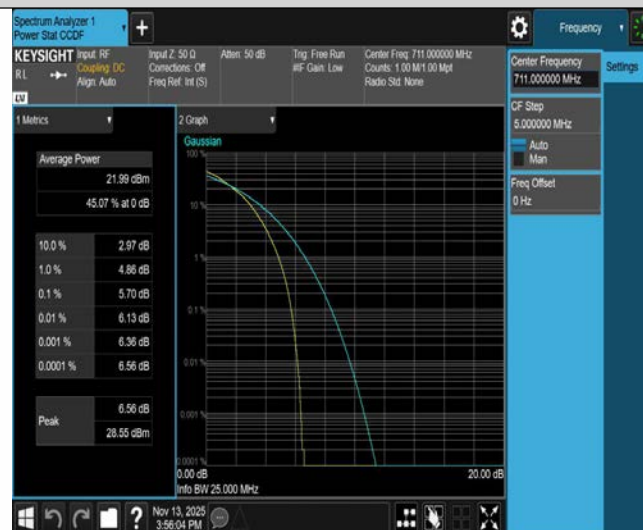
Band12-10MHz-16QAM-23095-50RB#0



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	1.0937	1.211	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0886	1.220	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0873	1.216	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0885	1.219	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0895	1.208	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0873	1.223	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6946	2.919	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6960	2.933	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6962	2.913	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6894	2.930	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6966	2.938	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6955	2.912	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4887	4.838	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5022	4.845	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4905	4.832	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4894	4.818	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5034	4.889	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4920	4.836	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9445	9.507	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0166	9.596	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9659	9.504	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9259	9.497	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9962	9.558	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9600	9.504	PASS

Test Graphs

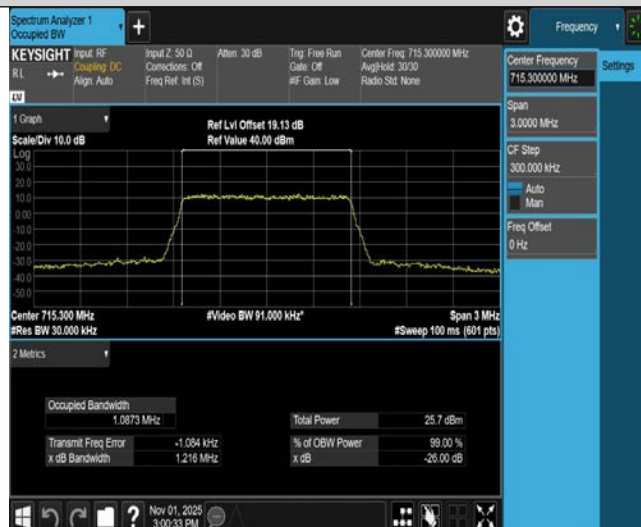
Band12-1.4MHz-QPSK-23017-6RB#0



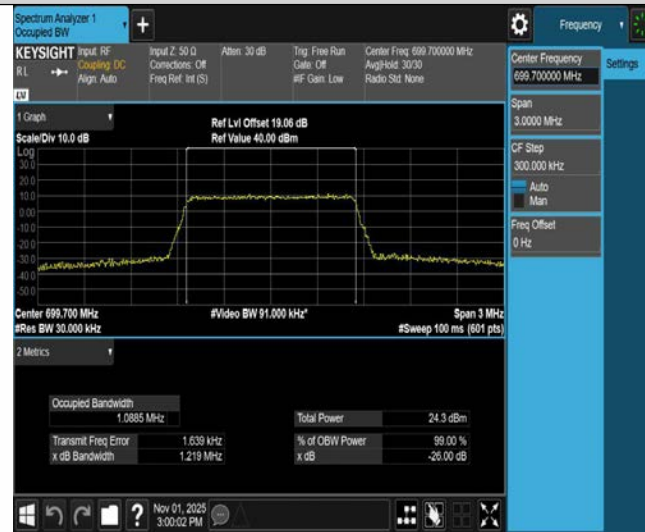
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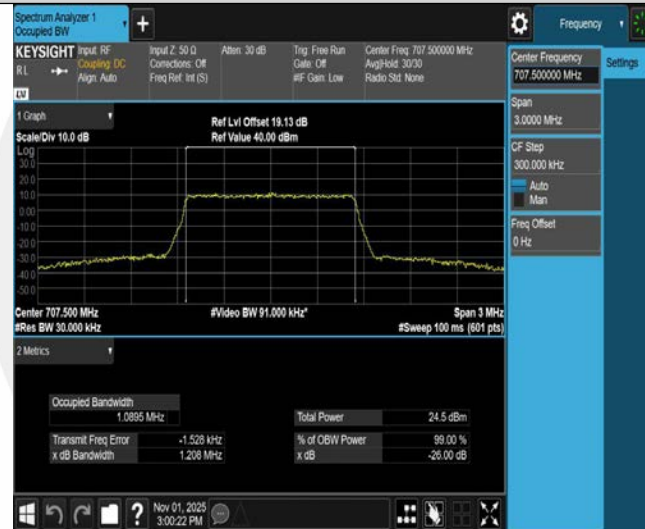
Band12-1.4MHz-QPSK-23173-6RB#0



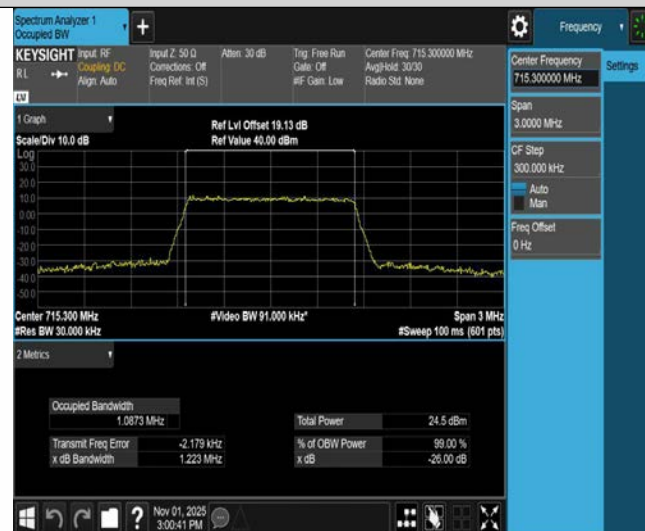
Band12-1.4MHz-16QAM-23017-6RB#0



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



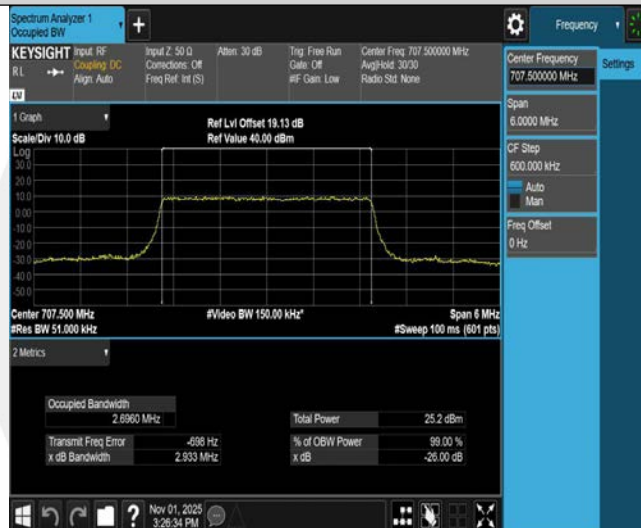
Band12-1.4MHz-16QAM-23173-6RB#0



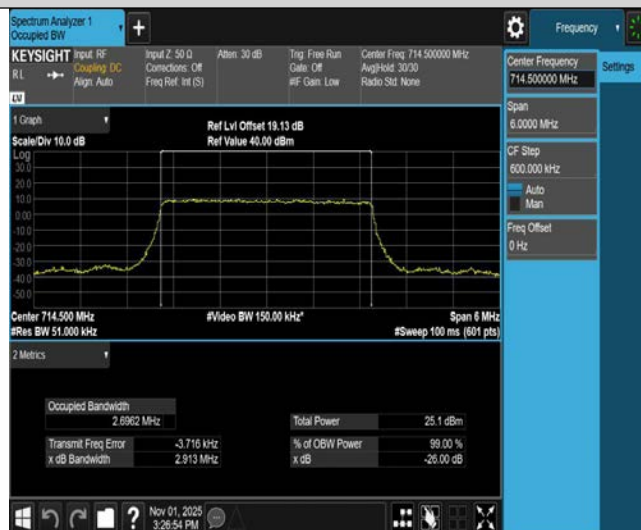
Band12-3MHz-QPSK-23025-15RB#0



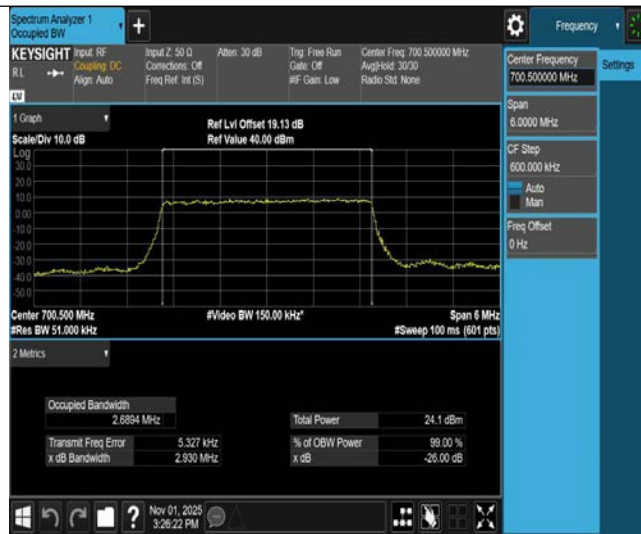
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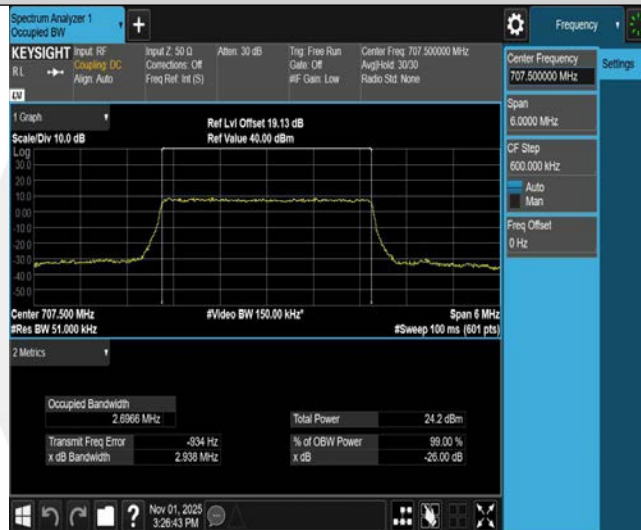
Band12-3MHz-QPSK-23165-15RB#0



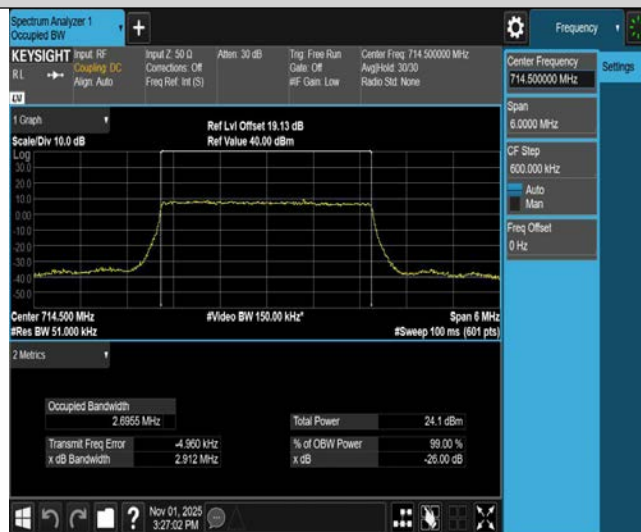
Band12-3MHz-16QAM-23025-15RB#0



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



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



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



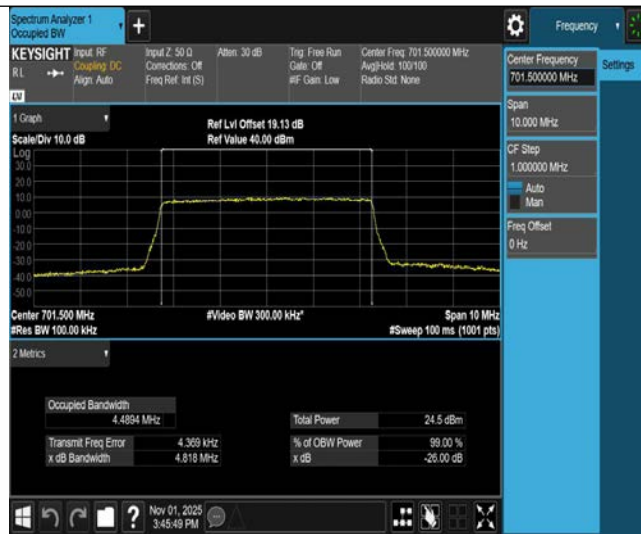
Band12-5MHz-QPSK-23095-25RB#0



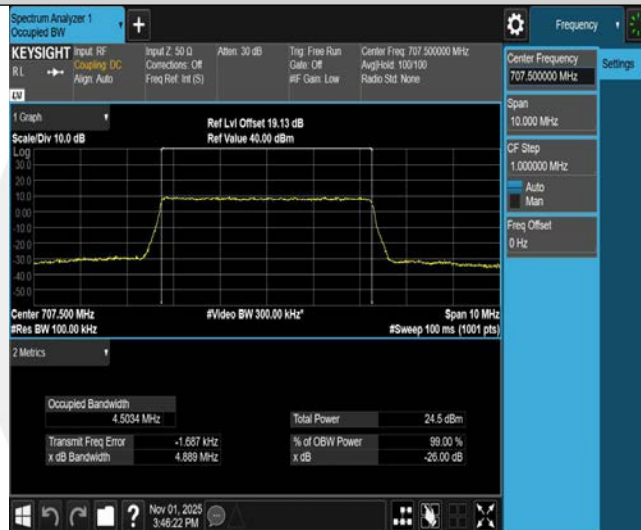
Band12-5MHz-QPSK-23155-25RB#0



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



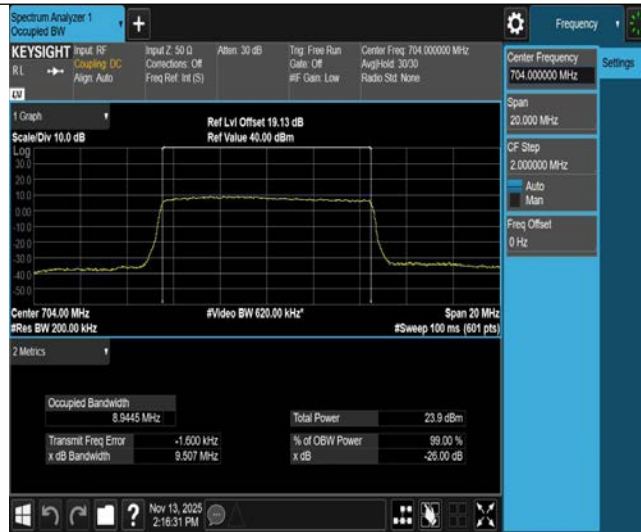
Band12-5MHz-16QAM-23095-25RB#0



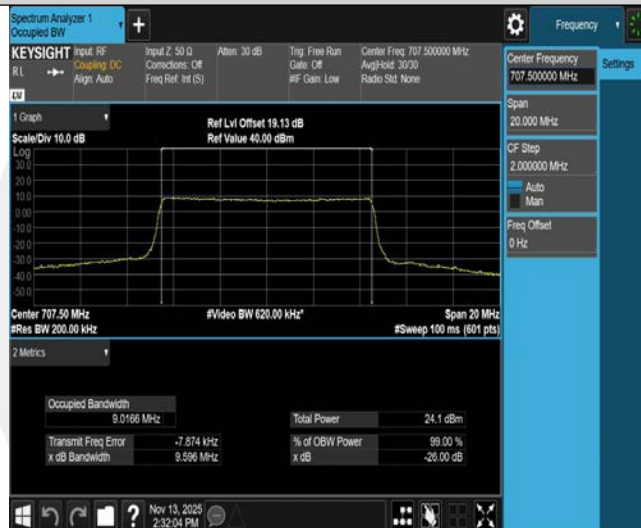
Band12-5MHz-16QAM-23155-25RB#0



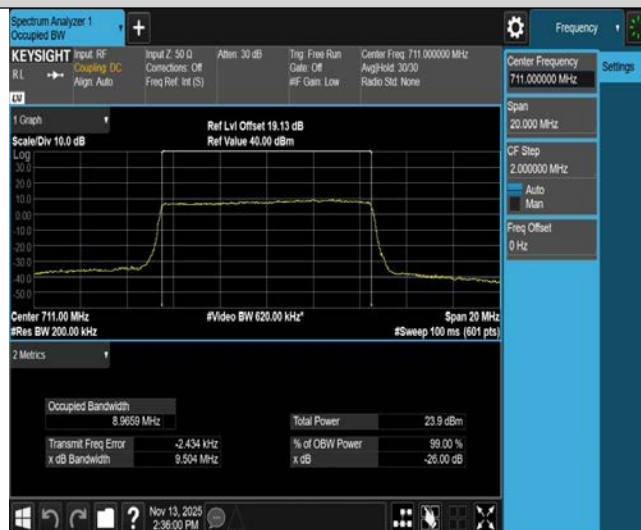
Band12-10MHz-QPSK-23060-50RB#0



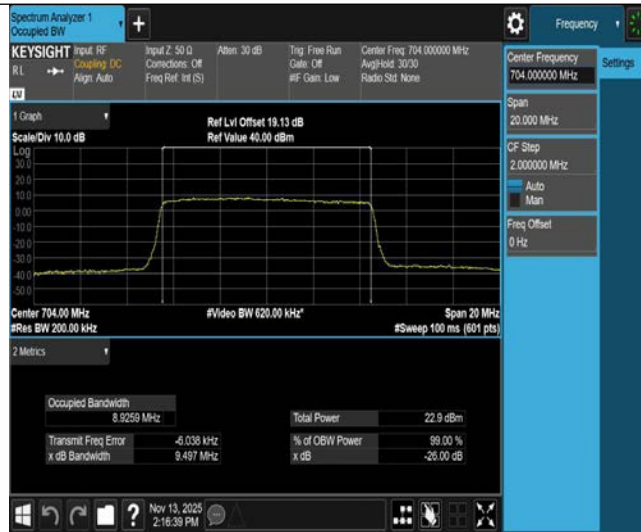
Band12-10MHz-QPSK-23095-50RB#0



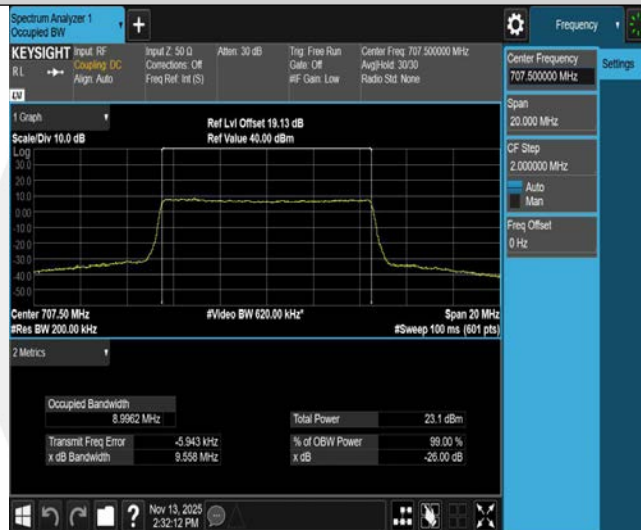
Band12-10MHz-QPSK-23130-50RB#0



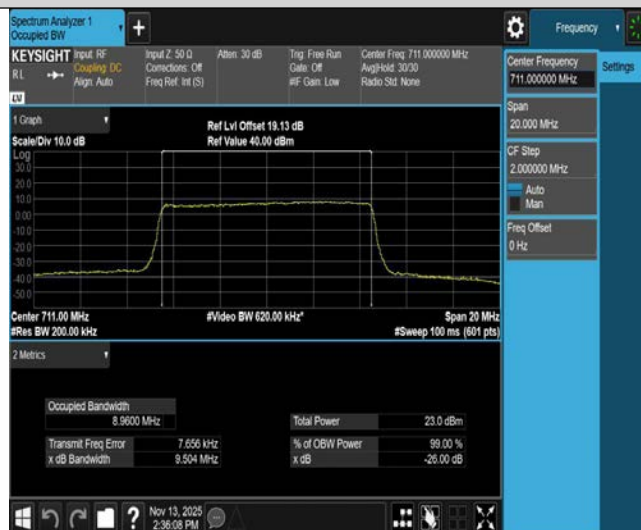
Band12-10MHz-16QAM-23060-50RB#0



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



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



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-32.73,-22.39	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-41.92,-50.58	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-31.92,-31.35	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-50.19,-44.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-24.66,-36.50	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-34.35,-34.86	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-34.21,-24.53	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-42.30,-50.62	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-34.34,-33.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-50.33,-44.83	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-28.79,-36.34	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-35.41,-36.17	PASS
Band12	3MHz	QPSK	23025	1RB#0	-26.97,-15.65	PASS
Band12	3MHz	QPSK	23025	1RB#14	-48.80,-52.75	PASS
Band12	3MHz	QPSK	23025	15RB#0	-32.72,-24.41	PASS
Band12	3MHz	QPSK	23165	1RB#0	-52.84,-48.74	PASS
Band12	3MHz	QPSK	23165	1RB#14	-16.77,-31.30	PASS
Band12	3MHz	QPSK	23165	15RB#0	-25.40,-33.25	PASS
Band12	3MHz	16QAM	23025	1RB#0	-28.82,-16.26	PASS
Band12	3MHz	16QAM	23025	1RB#14	-49.66,-53.38	PASS
Band12	3MHz	16QAM	23025	15RB#0	-34.84,-27.19	PASS
Band12	3MHz	16QAM	23165	1RB#0	-53.66,-49.21	PASS
Band12	3MHz	16QAM	23165	1RB#14	-17.99,-33.48	PASS
Band12	3MHz	16QAM	23165	15RB#0	-26.48,-35.80	PASS
Band12	5MHz	QPSK	23035	1RB#0	-17.09	PASS
Band12	5MHz	QPSK	23035	1RB#24	-52.66	PASS
Band12	5MHz	QPSK	23035	25RB#0	-27.17	PASS
Band12	5MHz	QPSK	23155	1RB#0	-52.92	PASS
Band12	5MHz	QPSK	23155	1RB#24	-18.69	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.56	PASS
Band12	5MHz	16QAM	23035	1RB#0	-18.12	PASS
Band12	5MHz	16QAM	23035	1RB#24	-53.06	PASS

Band12	5MHz	16QAM	23035	25RB#0	-28.90	PASS
Band12	5MHz	16QAM	23155	1RB#0	-53.10	PASS
Band12	5MHz	16QAM	23155	1RB#24	-20.05	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.12	PASS
Band12	10MHz	QPSK	23060	1RB#0	-32.31,-25.05	PASS
Band12	10MHz	QPSK	23060	1RB#49	-50.34,-49.43	PASS
Band12	10MHz	QPSK	23060	50RB#0	-32.35,-29.95	PASS
Band12	10MHz	QPSK	23130	1RB#0	-49.95,-50.48	PASS
Band12	10MHz	QPSK	23130	1RB#49	-26.46,-35.13	PASS
Band12	10MHz	QPSK	23130	50RB#0	-30.94,-33.47	PASS
Band12	10MHz	16QAM	23060	1RB#0	-32.88,-26.40	PASS
Band12	10MHz	16QAM	23060	1RB#49	-50.40,-49.22	PASS
Band12	10MHz	16QAM	23060	50RB#0	-34.79,-32.05	PASS
Band12	10MHz	16QAM	23130	1RB#0	-50.09,-50.63	PASS
Band12	10MHz	16QAM	23130	1RB#49	-26.12,-34.80	PASS
Band12	10MHz	16QAM	23130	50RB#0	-32.19,-34.89	PASS

Test Graphs

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



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



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



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



Band 12-1.4MHz-16QAM-23017-1RB#5



Band 12-1.4MHz-16QAM-23017-6RB#0



Band 12-1.4MHz-16QAM-23173-1RB#0



Band 12-1.4MHz-16QAM-23173-1RB#5



Band 12-1.4MHz-16QAM-23173-6RB#0



Band 12-3MHz-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



Band12-3MHz-16QAM-23025-1RB#14



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



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



Band12-3MHz-16QAM-23165-1RB#14



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



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



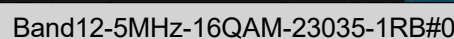
Band12-5MHz-QPSK-23035-1RB#24



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



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





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



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



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



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



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



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



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



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



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



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	-35.63	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-26.48	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-35.16	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-26.45	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-35.69	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-27.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-36.06	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-26.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.61	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-27.36	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-35.18	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-26.64	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-35.87	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-27.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-35.86	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-25.51	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-36.02	PASS

					00MHz		
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-26.5	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-35.01	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-26.29	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.1	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-26.2	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-34.64	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-25.81	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-36.02	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-26.66	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-35.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-25.27	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-35.01	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-26.07	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-35.1	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-25.53	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.29	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-26.05	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-33.79	PASS

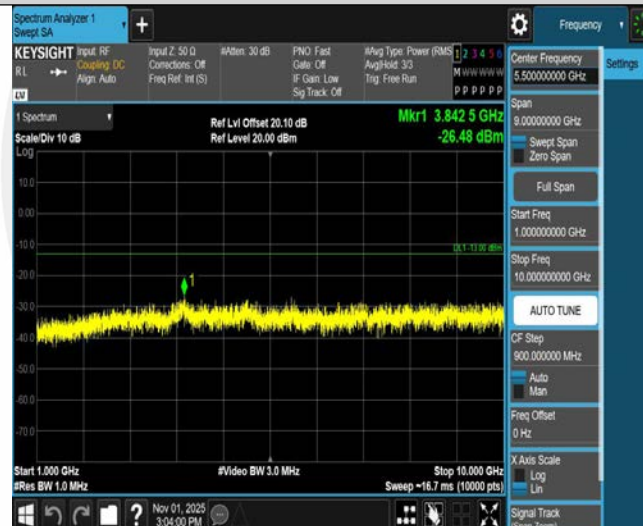
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-25.84	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-35.08	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-25.83	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-34.97	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-26.69	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-35.57	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-25.6	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-35.85	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-26.29	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-34.95	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-25.44	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-35.8	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-25.71	PASS

Test Graphs

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



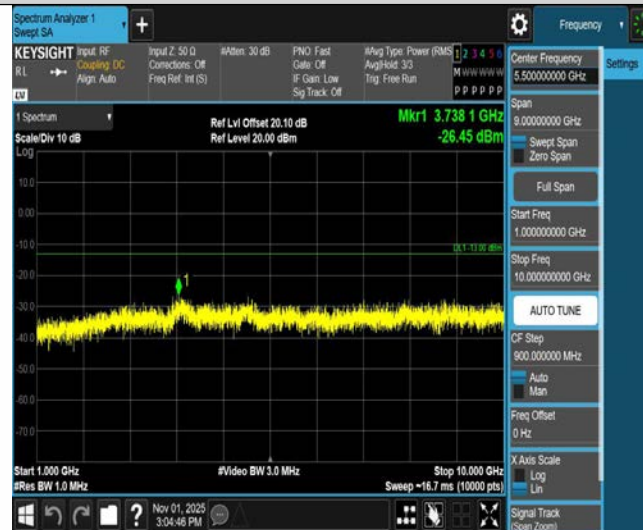
Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



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



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



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



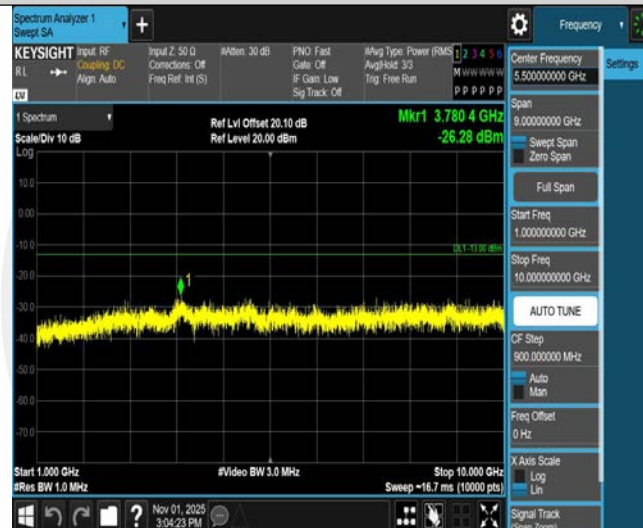
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



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



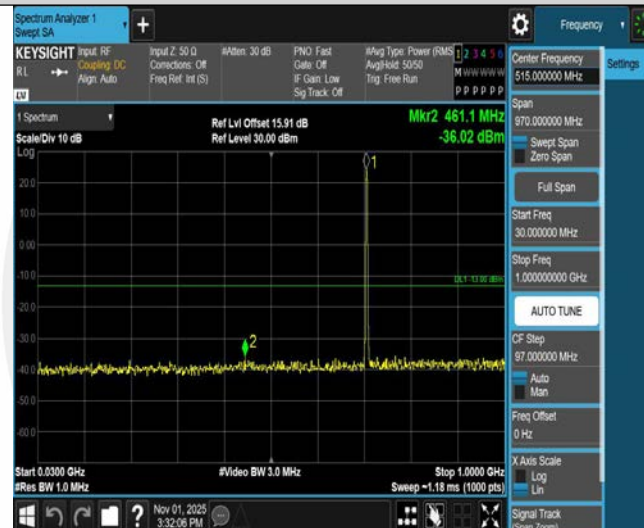
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



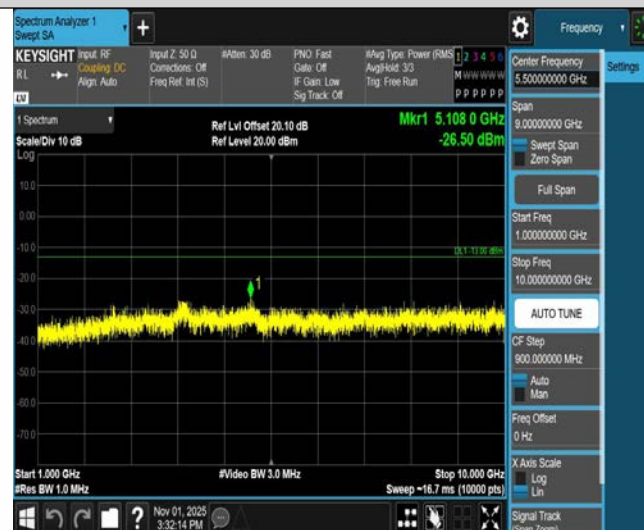
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



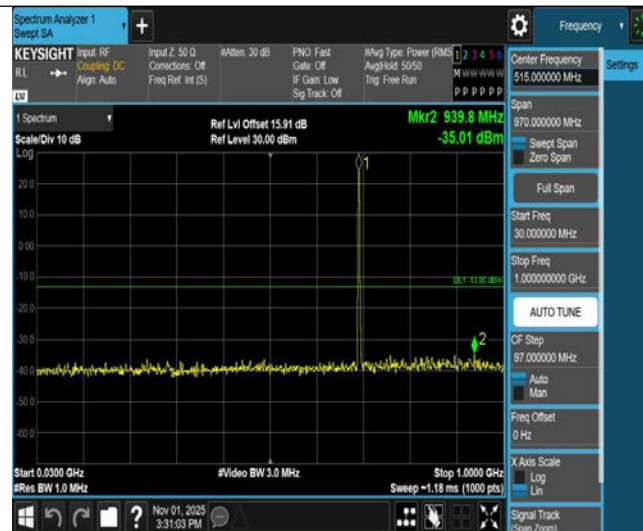
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



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



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



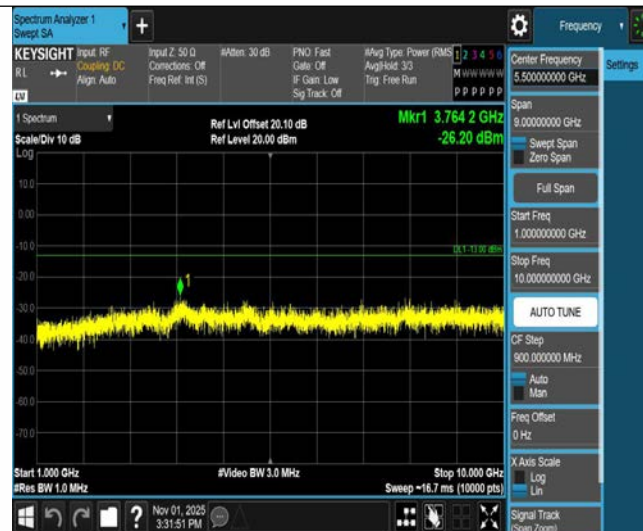
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



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



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



Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz