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Appendix for LTE Band 12

Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD

Address: 80 ROBINSON ROAD #02-00 SINGAPORE

Product Name: 4G Wireless Data Terminal

Model: GLMX23A01

FCC ID: 2BB6E-GLMX23A01

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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	21.21	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	20.13	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	21.55	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	20.53	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	21.69	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	20.59	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	20.95	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	20.89	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	20.85	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	20.79	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	21.41	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.31	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	19.98	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	19.03	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.31	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	20.90	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.03	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	20.80	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	21.68	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	20.46	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	21.69	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.58	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	21.57	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.47	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	21.68	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.56	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	20.33	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	19.26	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	21.20	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	19.79	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	21.36	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	20.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	21.27	PASS

Band12	1.4MHz	16QAM	23173	1RB#5	20.02	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	21.11	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.09	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	21.12	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.10	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	21.39	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.32	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	20.20	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.56	PASS
Band12	3MHz	QPSK	23025	1RB#0	21.66	PASS
Band12	3MHz	16QAM	23025	1RB#0	20.45	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.56	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.36	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.45	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.25	PASS
Band12	3MHz	QPSK	23025	8RB#0	20.35	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.47	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.68	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.98	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.75	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.62	PASS
Band12	3MHz	QPSK	23025	15RB#0	20.52	PASS
Band12	3MHz	16QAM	23025	15RB#0	19.35	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.56	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.15	PASS
Band12	3MHz	QPSK	23095	1RB#8	21.52	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.53	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.42	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.14	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.86	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.42	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.36	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.35	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.45	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.25	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.26	PASS
Band12	3MHz	16QAM	23095	15RB#0	19.85	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.52	PASS

Band12	3MHz	16QAM	23165	1RB#0	23.42	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.52	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.62	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.25	PASS
Band12	3MHz	16QAM	23165	1RB#14	20.15	PASS
Band12	5MHz	QPSK	23035	1RB#0	21.88	PASS
Band12	5MHz	16QAM	23035	1RB#0	20.94	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.55	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.63	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.44	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.63	PASS
Band12	3MHz	QPSK	23165	8RB#7	20.15	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.52	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.44	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.66	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.66	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.69	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.50	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.69	PASS
Band12	5MHz	QPSK	23035	12RB#0	20.89	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.10	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.08	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.22	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.58	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.63	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.79	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.08	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.85	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.58	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.52	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.66	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.63	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.57	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.48	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.53	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.56	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.99	PASS

Band12	5MHz	16QAM	23095	12RB#13	21.98	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.29	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.36	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.29	PASS
Band12	5MHz	16QAM	23155	1RB#0	20.83	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.27	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.19	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.37	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.17	PASS
Band12	5MHz	QPSK	23155	12RB#0	20.80	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.81	PASS
Band12	5MHz	QPSK	23155	12RB#6	20.83	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.82	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.61	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.62	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.02	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.06	PASS
Band12	10MHz	QPSK	23060	1RB#0	21.99	PASS
Band12	10MHz	16QAM	23060	1RB#0	20.87	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.30	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.96	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.18	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.94	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.80	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.72	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.69	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.64	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.00	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.64	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.72	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.65	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.05	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.23	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.72	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.49	PASS
Band12	10MHz	QPSK	23095	1RB#49	21.91	PASS
Band12	10MHz	16QAM	23095	1RB#49	20.55	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.40	PASS

Band12	10MHz	16QAM	23095	25RB#0	22.43	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.34	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.31	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.42	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.39	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.80	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.67	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.00	PASS
Band12	10MHz	16QAM	23130	1RB#24	20.98	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.78	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.79	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.91	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.86	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.85	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.85	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.01	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.36	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.75	PASS

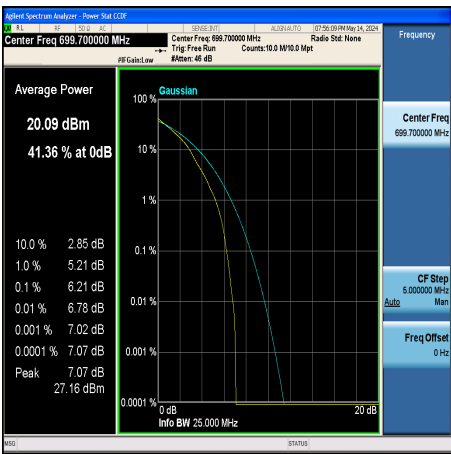
1.2. Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

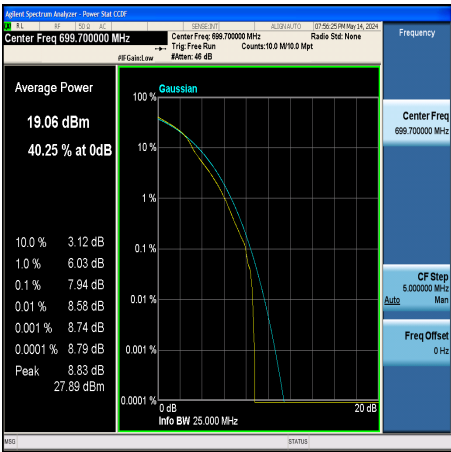
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	6.21	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	7.94	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	6.99	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	7.81	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	6.09	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	7.27	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.68	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	7.42	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.80	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.99	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.45	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	7.35	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	6.63	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	7.91	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	7.04	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	7.83	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	6.17	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	7.20	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.92	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	7.73	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	6.56	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	7.35	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	6.92	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	7.73	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	6.60	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	7.14	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	6.69	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	7.41	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.38	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.14	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.35	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	7.09	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	6.18	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	7.07	13	PASS

Band12	5MHz	QPSK	23155	25RB#0	6.85	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	7.64	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	6.34	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	7.68	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.81	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.72	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.40	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.29	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	6.33	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	6.45	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	6.64	13	PASS

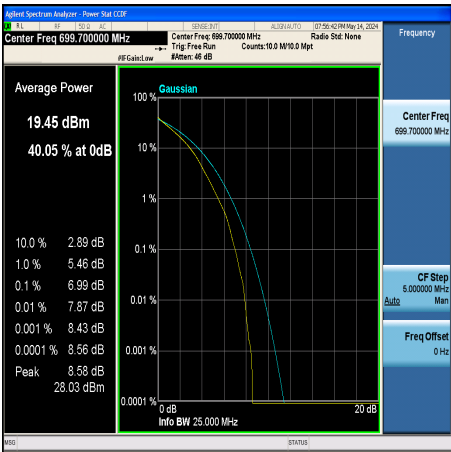
Test Graphs



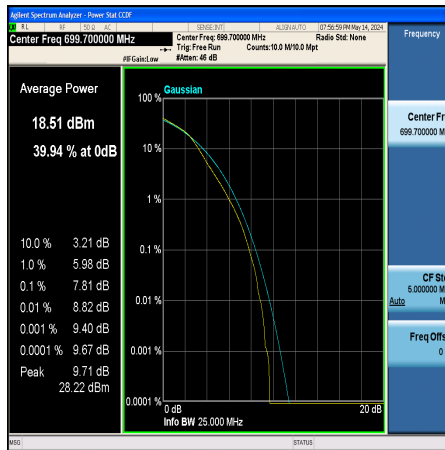
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



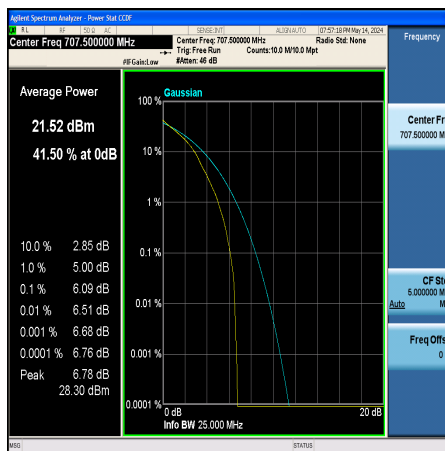
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



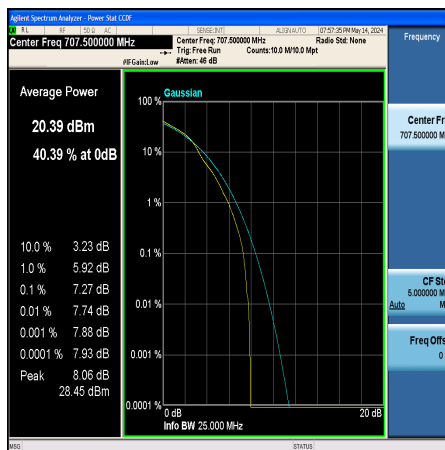
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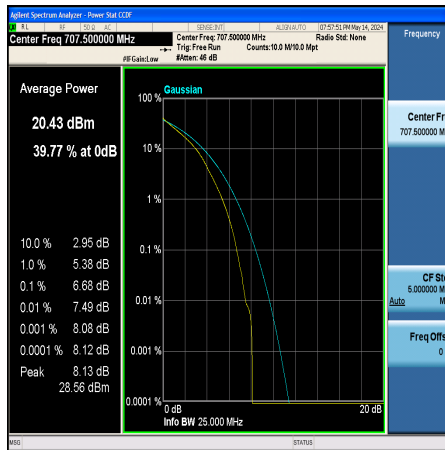
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



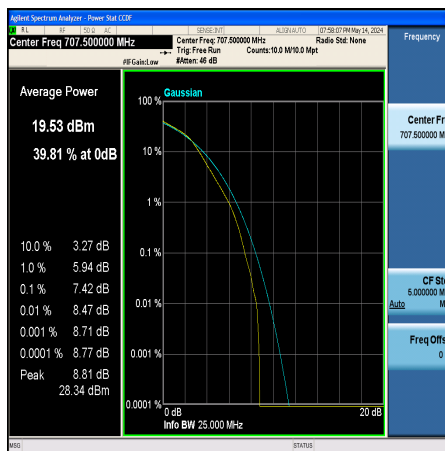
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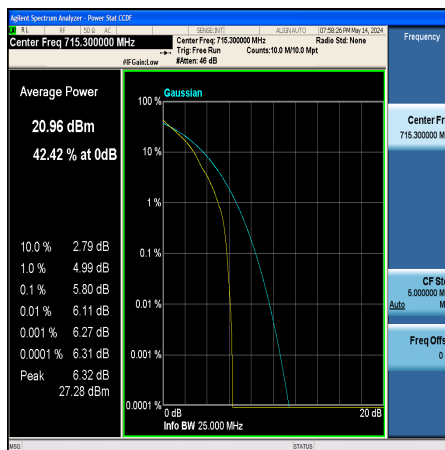
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



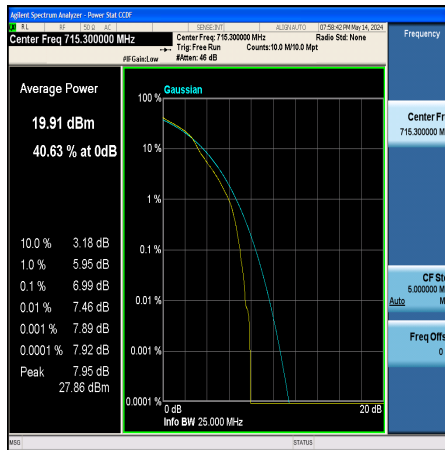
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



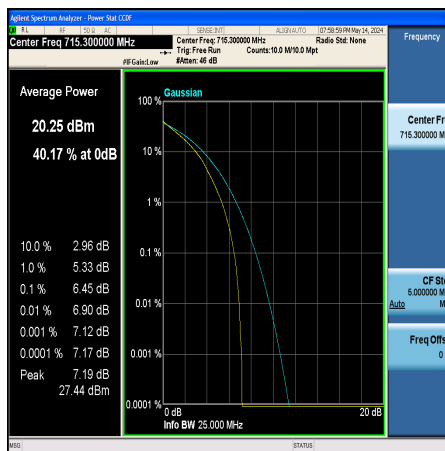
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



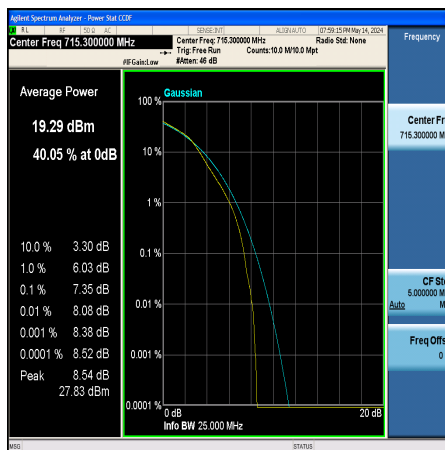
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



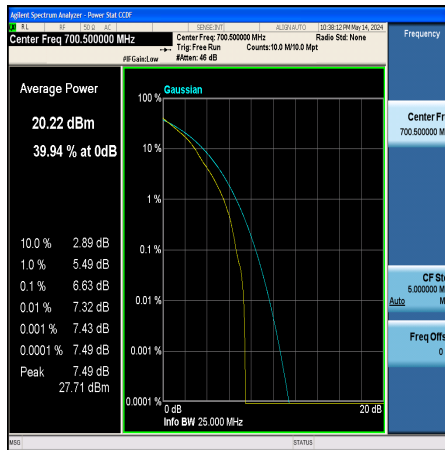
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



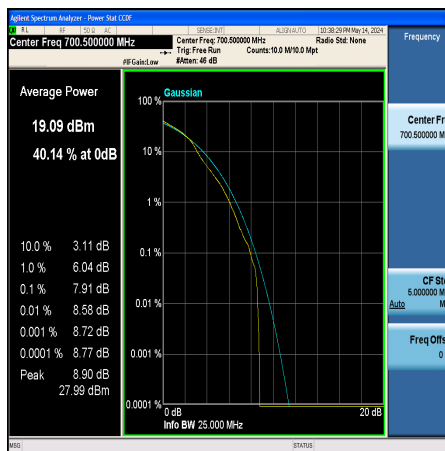
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



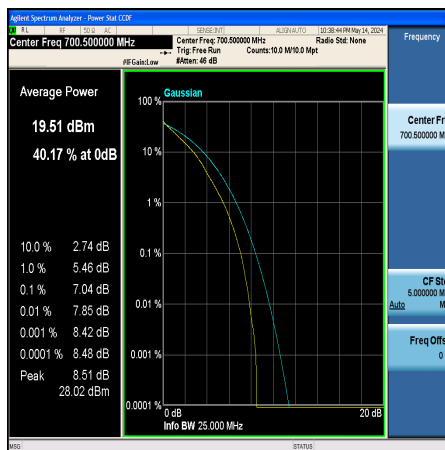
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



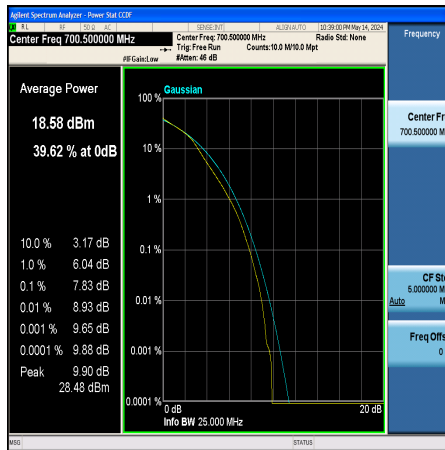
Band12-3MHz-QPSK-23025-1RB#0-PASS



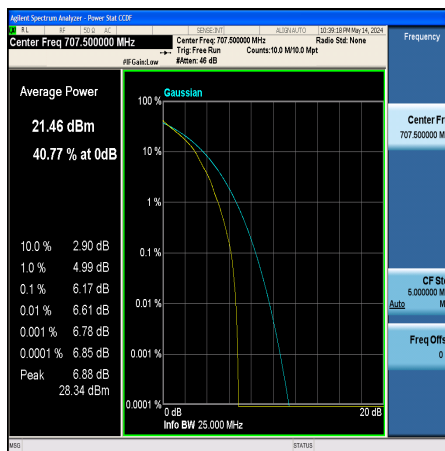
Band12-3MHz-16QAM-23025-1RB#0-PASS



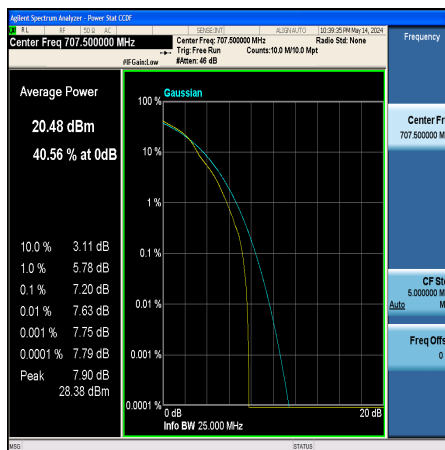
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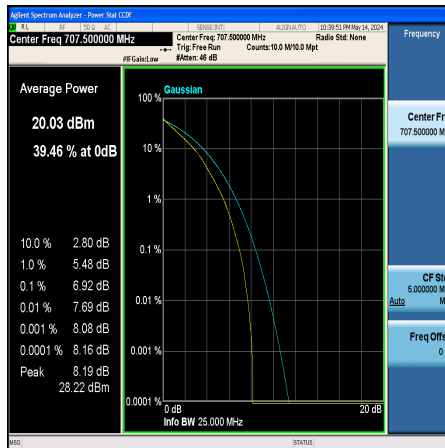
Band12-3MHz-16QAM-23025-15RB#0-PASS



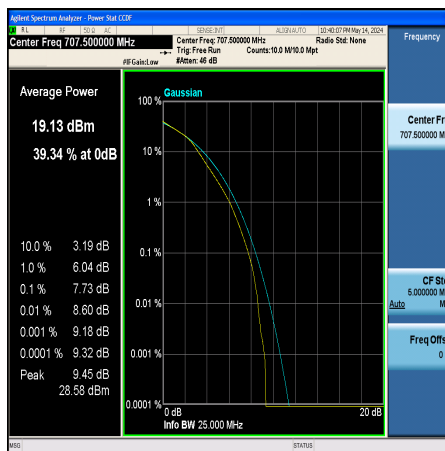
Band12-3MHz-QPSK-23095-1RB#0-PASS



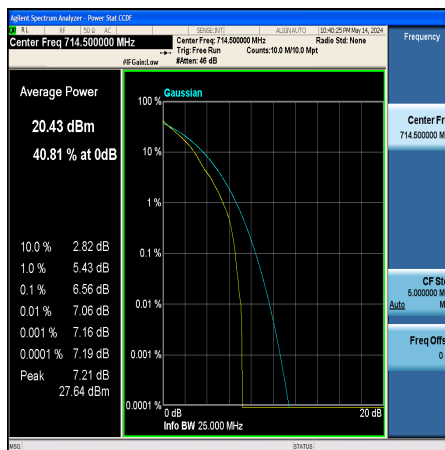
Band12-3MHz-16QAM-23095-1RB#0-PASS



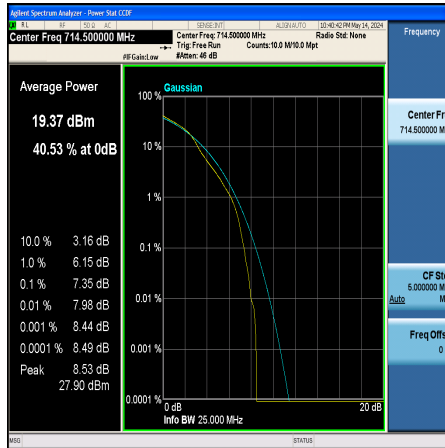
Band12-3MHz-QPSK-23095-15RB#0-PASS



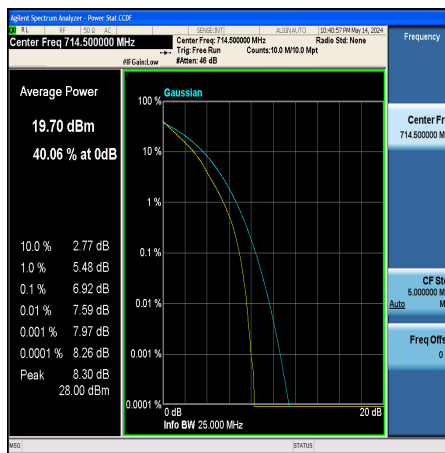
Band12-3MHz-16QAM-23095-15RB#0-PASS



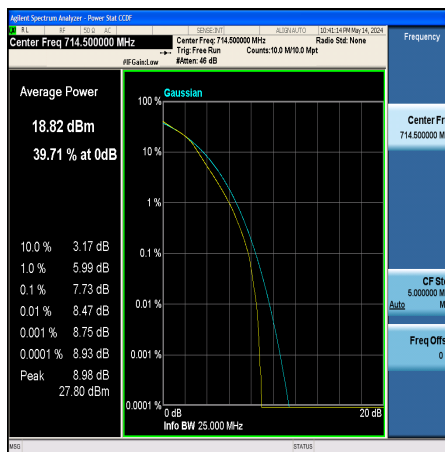
Band12-3MHz-QPSK-23165-1RB#0-PASS



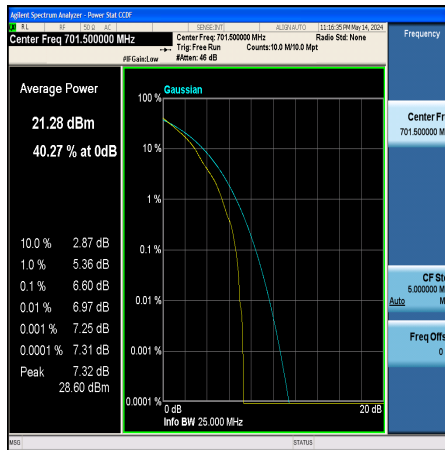
Band12-3MHz-16QAM-23165-1RB#0-PASS



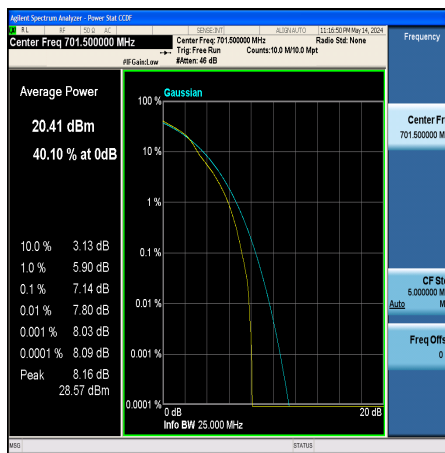
Band12-3MHz-QPSK-23165-15RB#0-PASS



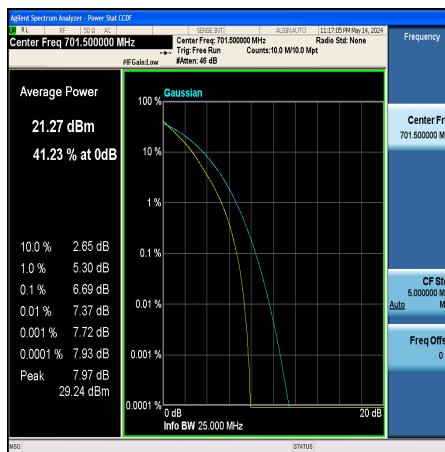
Band12-3MHz-16QAM-23165-15RB#0-PASS



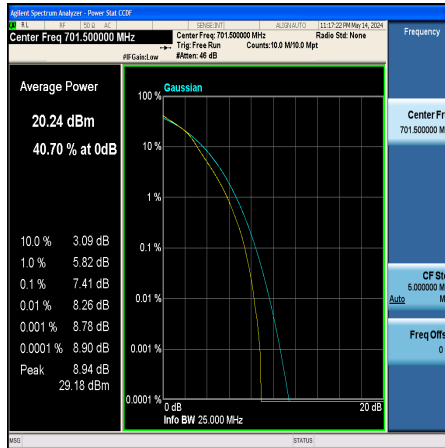
Band12-5MHz-QPSK-23035-1RB#0-PASS



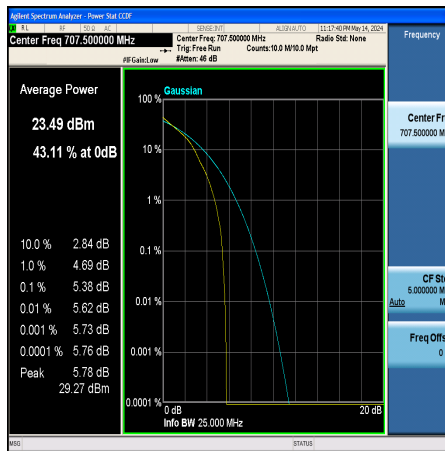
Band12-5MHz-16QAM-23035-1RB#0-PASS



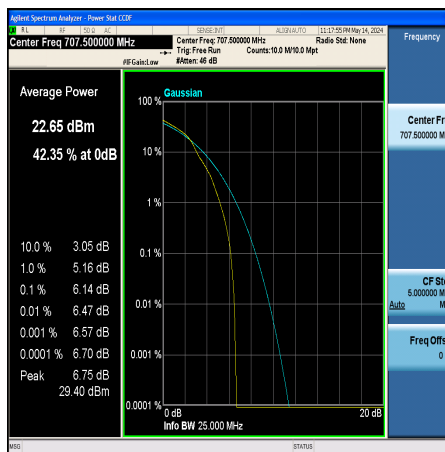
Band12-5MHz-QPSK-23035-25RB#0-PASS



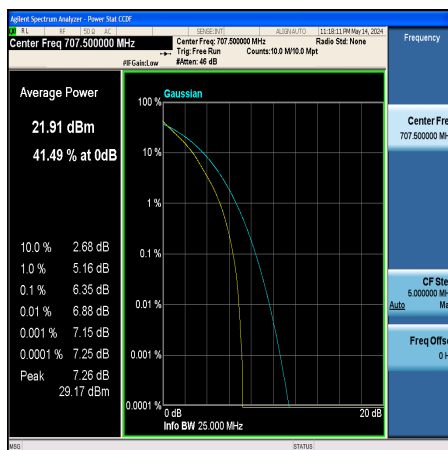
Band12-5MHz-16QAM-23035-25RB#0-PASS



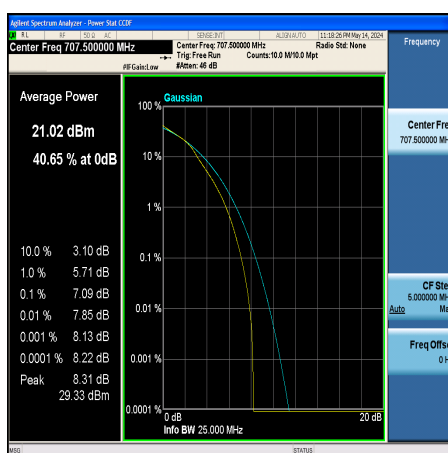
Band12-5MHz-QPSK-23095-1RB#0-PASS



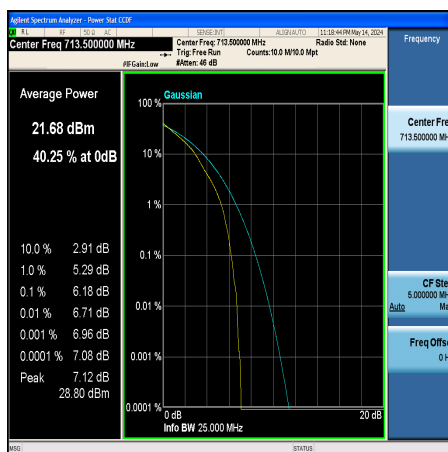
Band12-5MHz-16QAM-23095-1RB#0-PASS



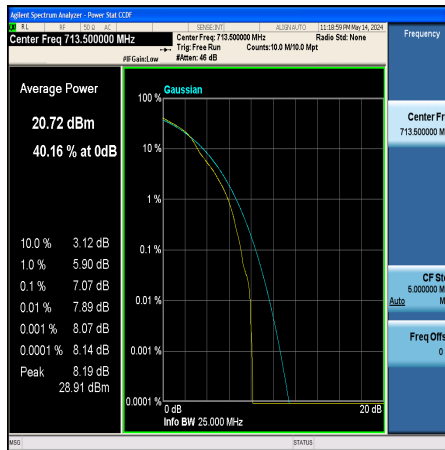
Band12-5MHz-QPSK-23095-25RB#0-PASS



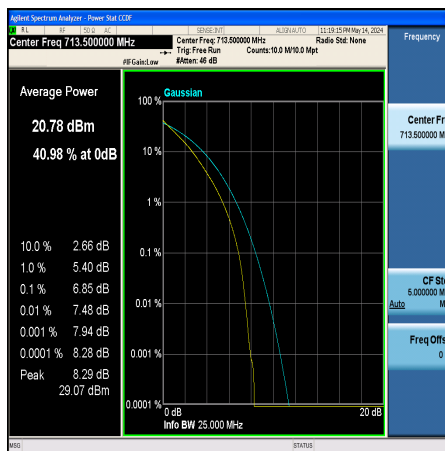
Band12-5MHz-16QAM-23095-25RB#0-PASS



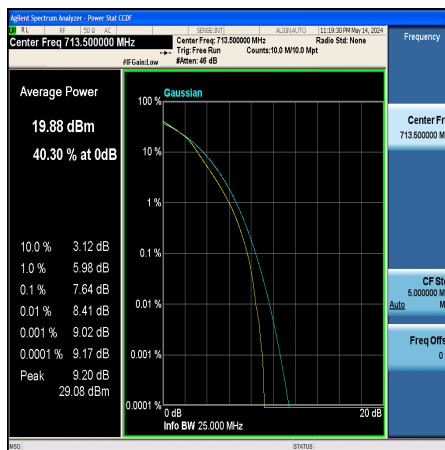
Band12-5MHz-QPSK-23155-1RB#0-PASS



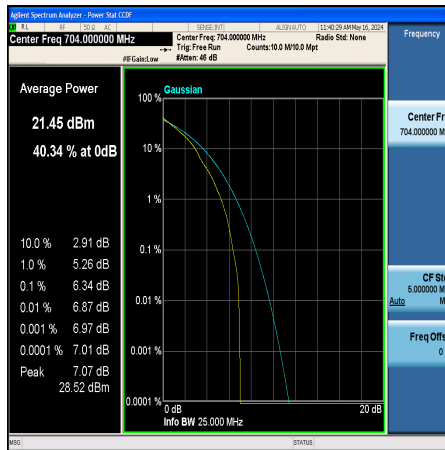
Band12-5MHz-16QAM-23155-1RB#0-PASS



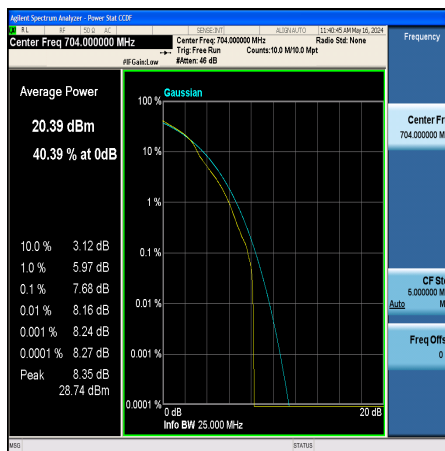
Band12-5MHz-QPSK-23155-25RB#0-PASS



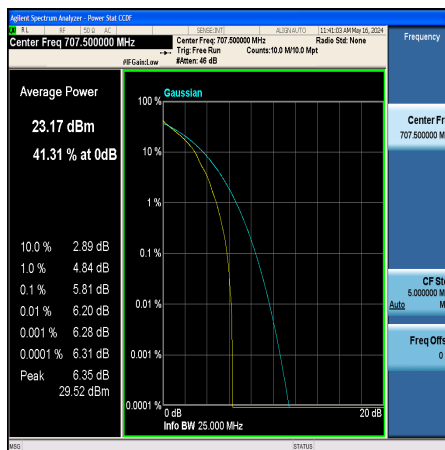
Band12-5MHz-16QAM-23155-25RB#0-PASS



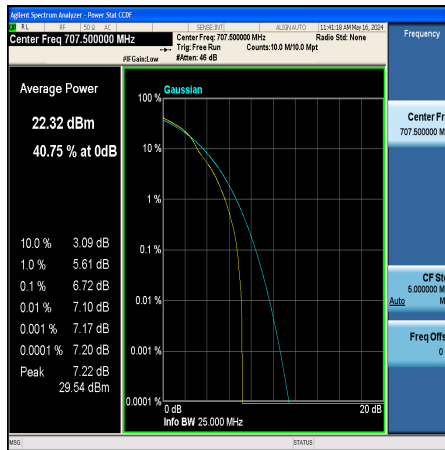
Band12-10MHz-QPSK-23060-1RB#0-PASS



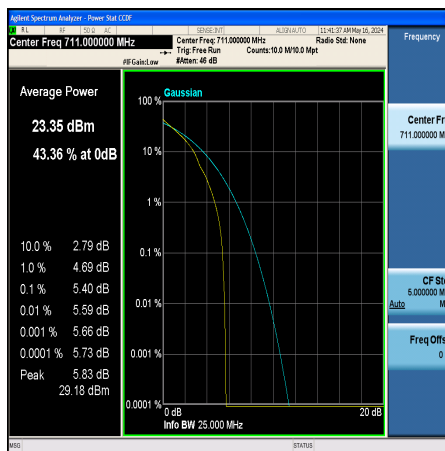
Band12-10MHz-16QAM-23060-1RB#0-PASS



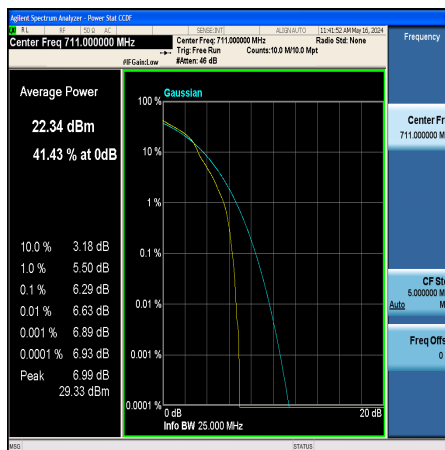
Band12-10MHz-QPSK-23095-1RB#0-PASS



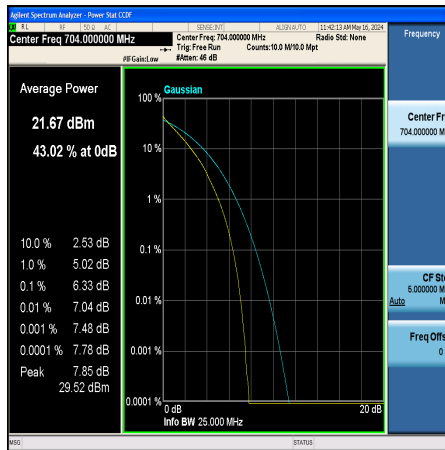
Band12-10MHz-16QAM-23095-1RB#0-PASS



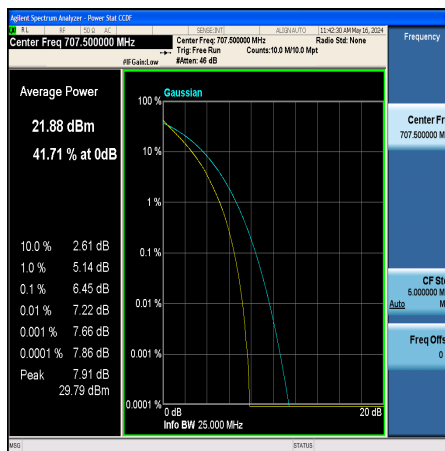
Band12-10MHz-QPSK-23130-1RB#0-PASS



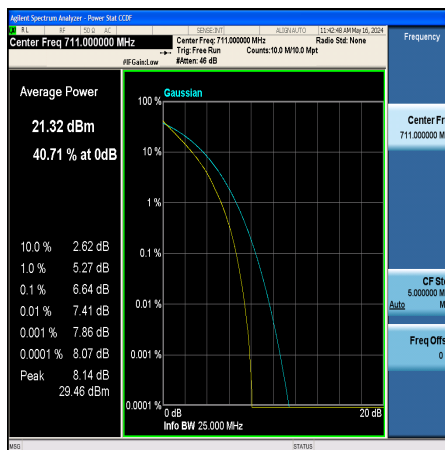
Band12-10MHz-16QAM-23130-1RB#0-PASS



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



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



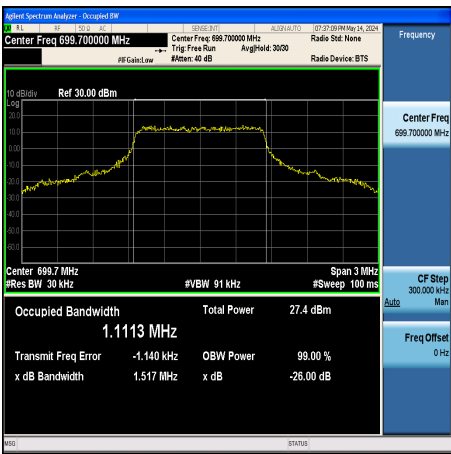
Band12-10MHz-QPSK-23130-50RB#0-PASS

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

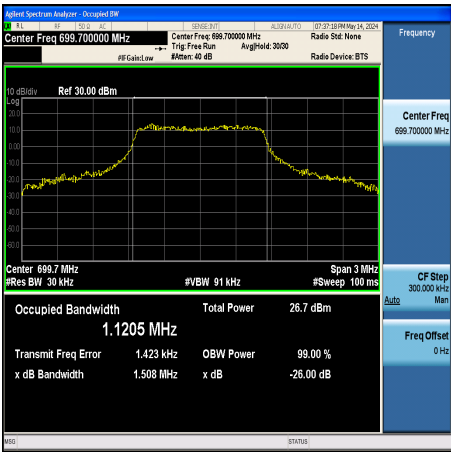
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.1113	1.517	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1205	1.508	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.1123	1.541	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1174	1.522	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.1144	1.510	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1038	1.508	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7102	3.124	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7068	3.170	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7115	3.263	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7130	3.252	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7014	3.144	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7032	3.214	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5014	5.138	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5104	5.147	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5144	5.173	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5229	5.195	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5169	5.133	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5065	5.134	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9742	9.791	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9791	9.887	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0213	9.918	PASS

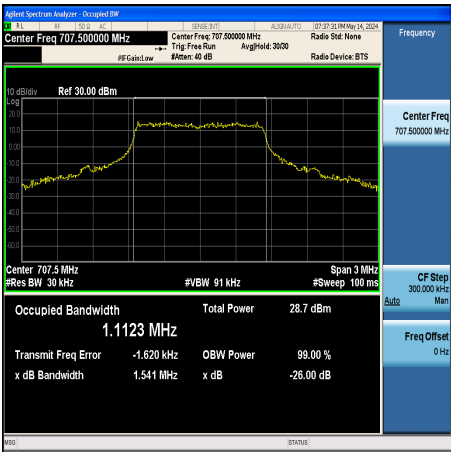
Test Graphs



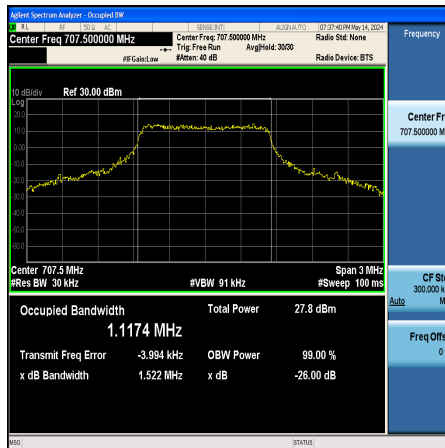
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



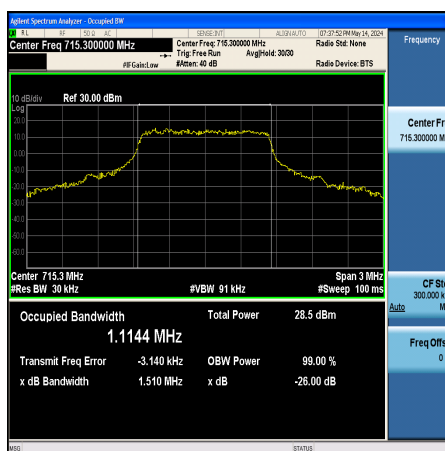
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



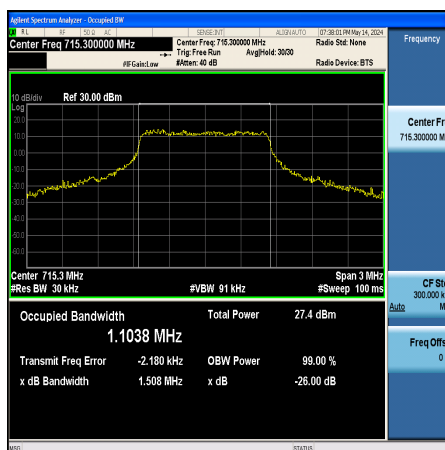
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



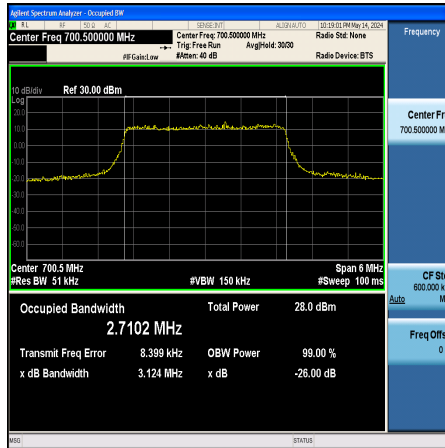
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



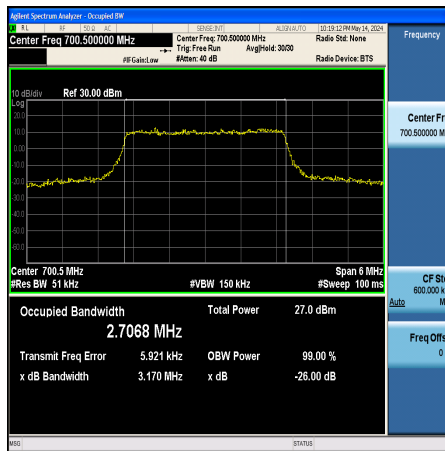
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



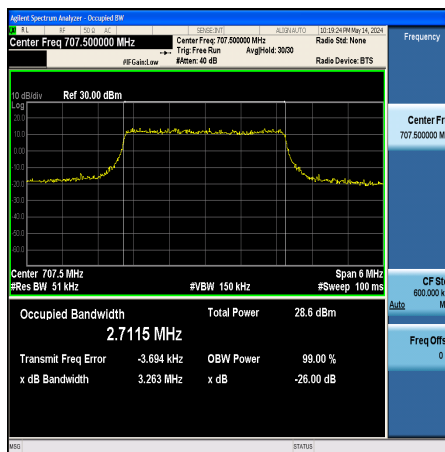
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



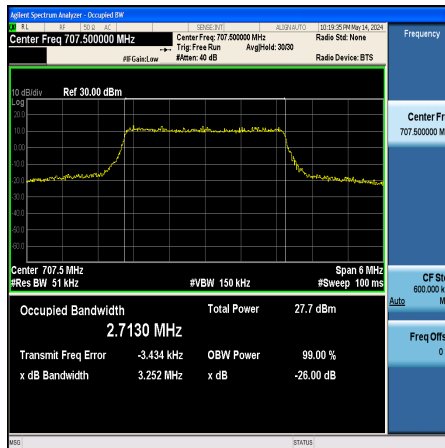
Band12-3MHz-QPSK-23025-15RB#0-PASS



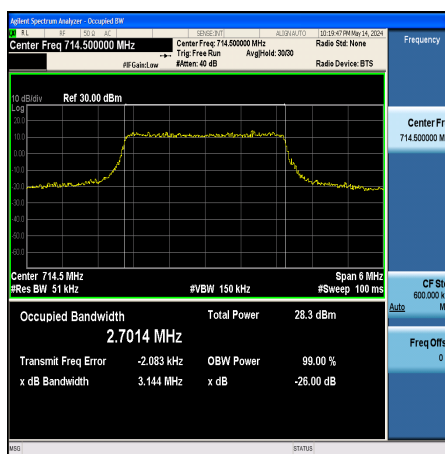
Band12-3MHz-16QAM-23025-15RB#0-PASS



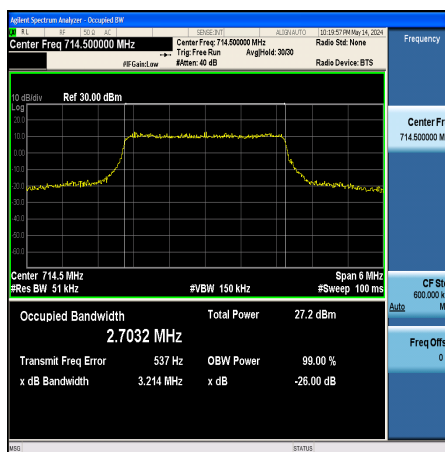
Band12-3MHz-QPSK-23095-15RB#0-PASS



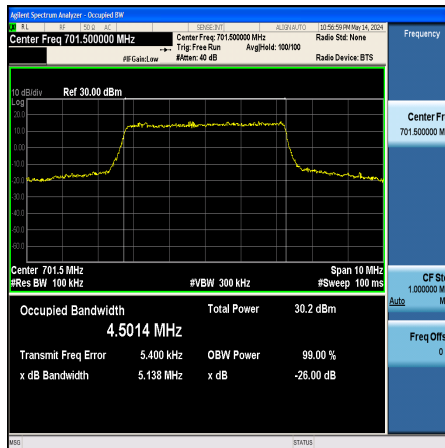
Band12-3MHz-16QAM-23095-15RB#0-PASS



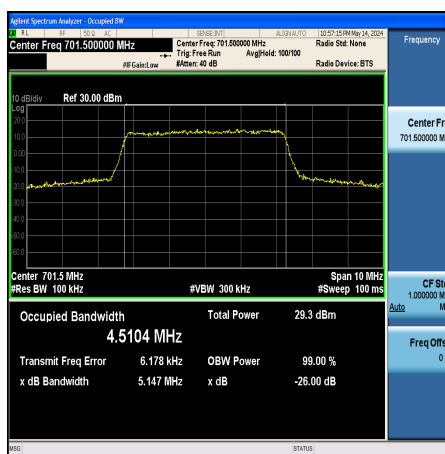
Band12-3MHz-QPSK-23165-15RB#0-PASS



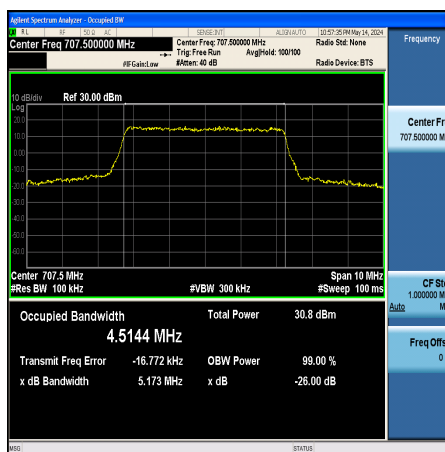
Band12-3MHz-16QAM-23165-15RB#0-PASS



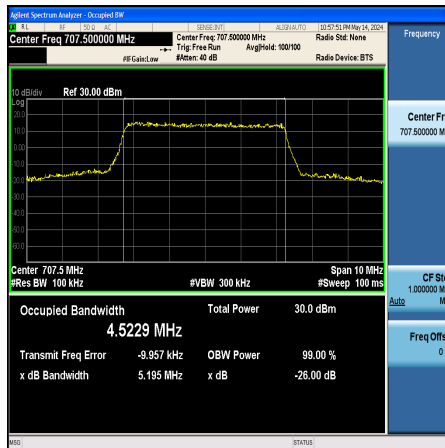
Band12-5MHz-QPSK-23035-25RB#0-PASS



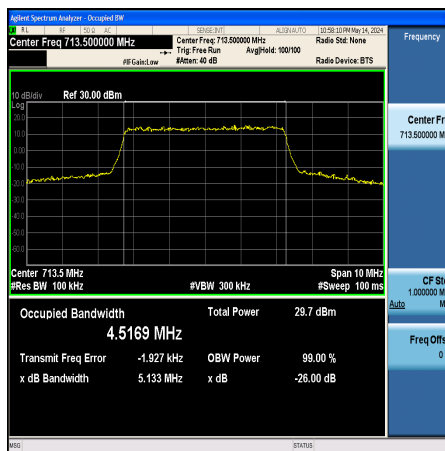
Band12-5MHz-16QAM-23035-25RB#0-PASS



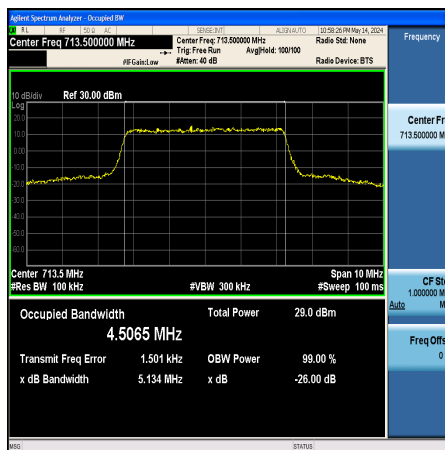
Band12-5MHz-QPSK-23095-25RB#0-PASS



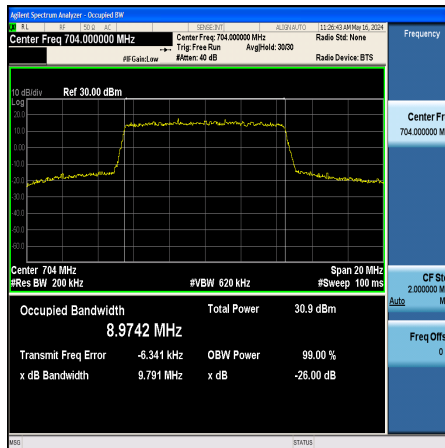
Band12-5MHz-16QAM-23095-25RB#0-PASS



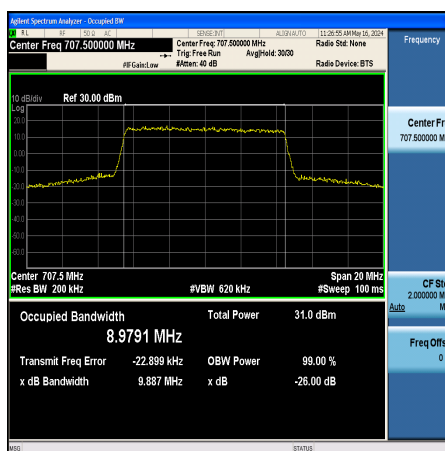
Band12-5MHz-QPSK-23155-25RB#0-PASS



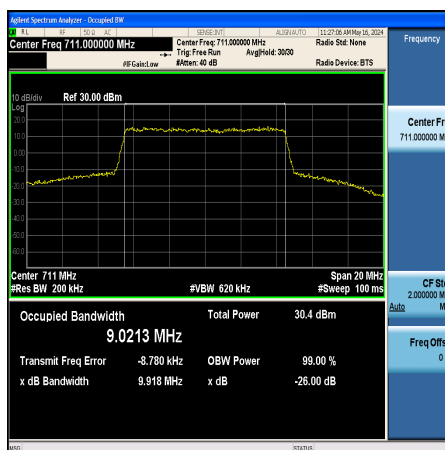
Band12-5MHz-16QAM-23155-25RB#0-PASS



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



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



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

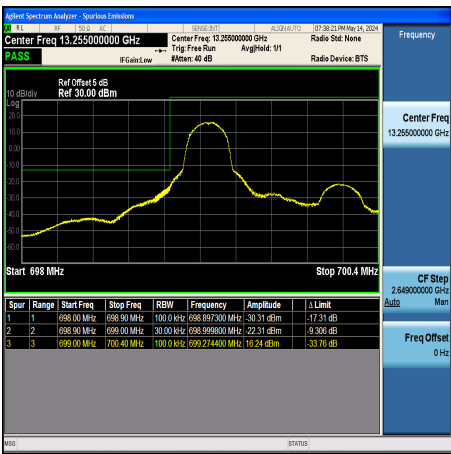
1.4. Appendix D: Band Edge

Test Result

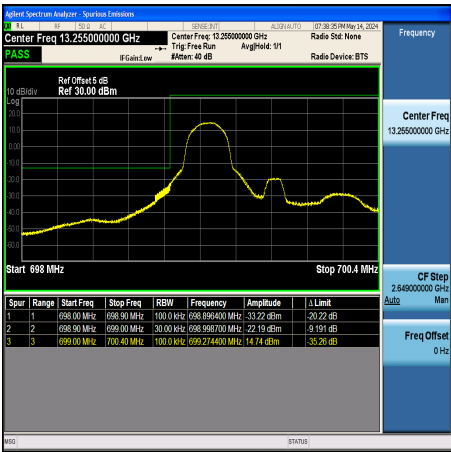
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-22.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-22.19	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-30.67	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-31.81	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-21.34	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-22.45	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-28.79	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-31.85	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-20.93	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-21.84	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-21.05	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-21.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	-20.43	PASS
Band12	3MHz	16QAM	23025	1RB#0	-21.69	PASS
Band12	3MHz	QPSK	23025	1RB#14	-34.70	PASS
Band12	3MHz	16QAM	23025	1RB#14	-34.51	PASS
Band12	3MHz	QPSK	23025	15RB#0	-24.39	PASS
Band12	3MHz	16QAM	23025	15RB#0	-25.84	PASS
Band12	3MHz	QPSK	23165	1RB#0	-34.44	PASS
Band12	3MHz	16QAM	23165	1RB#0	-36.06	PASS
Band12	3MHz	QPSK	23165	1RB#14	-20.82	PASS
Band12	3MHz	16QAM	23165	1RB#14	-22.31	PASS
Band12	3MHz	QPSK	23165	15RB#0	-24.23	PASS
Band12	3MHz	16QAM	23165	15RB#0	-25.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	-26.30	PASS
Band12	5MHz	16QAM	23035	1RB#0	-27.93	PASS
Band12	5MHz	QPSK	23035	1RB#24	-41.82	PASS
Band12	5MHz	16QAM	23035	1RB#24	-42.54	PASS
Band12	5MHz	QPSK	23035	25RB#0	-26.81	PASS
Band12	5MHz	16QAM	23035	25RB#0	-27.70	PASS
Band12	5MHz	QPSK	23155	1RB#0	-40.95	PASS
Band12	5MHz	16QAM	23155	1RB#0	-42.56	PASS
Band12	5MHz	QPSK	23155	1RB#24	-24.56	PASS

Band12	5MHz	16QAM	23155	1RB#24	-24.43	PASS
Band12	5MHz	QPSK	23155	25RB#0	-25.16	PASS
Band12	5MHz	16QAM	23155	25RB#0	-26.48	PASS
Band12	10MHz	QPSK	23060	1RB#0	-37.30	PASS
Band12	10MHz	16QAM	23060	1RB#0	-38.59	PASS
Band12	10MHz	QPSK	23060	1RB#49	-49.05	PASS
Band12	10MHz	16QAM	23060	1RB#49	-50.14	PASS
Band12	10MHz	QPSK	23130	1RB#0	-48.22	PASS
Band12	10MHz	16QAM	23130	1RB#0	-49.22	PASS
Band12	10MHz	QPSK	23130	1RB#49	-37.16	PASS
Band12	10MHz	16QAM	23130	1RB#49	-38.02	PASS
Band12	10MHz	QPSK	23060	50RB#0	-29.75	PASS
Band12	10MHz	QPSK	23130	50RB#0	-27.92	PASS

Test Graphs



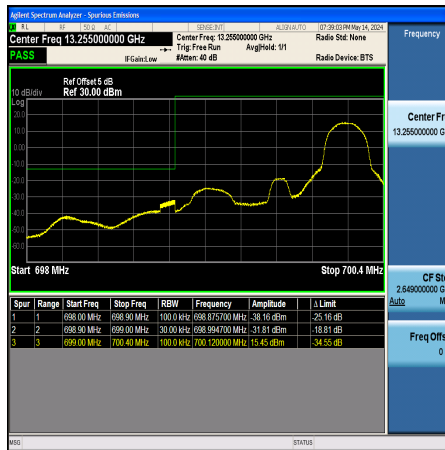
Band12_1.4MHz_QPSK_23017_1RB#0



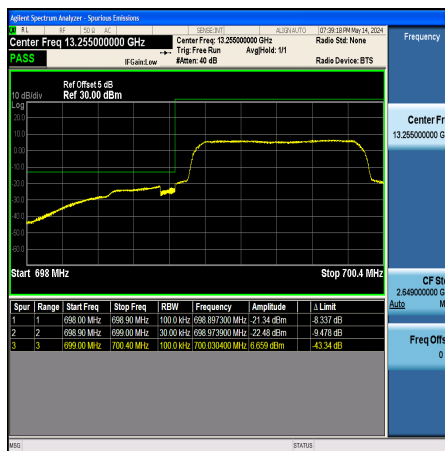
Band12_1.4MHz_16QAM_23017_1RB#0



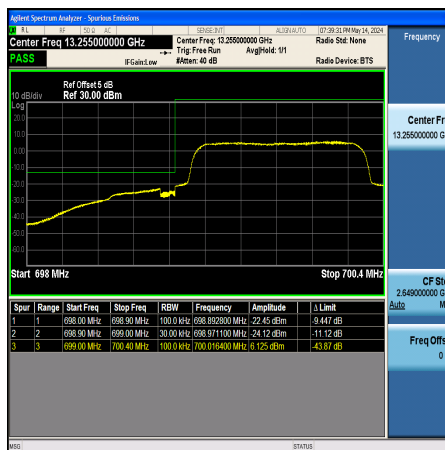
Band12_1.4MHz_QPSK_23017_1RB#5



Band12_1.4MHz_16QAM_23017_1RB#5



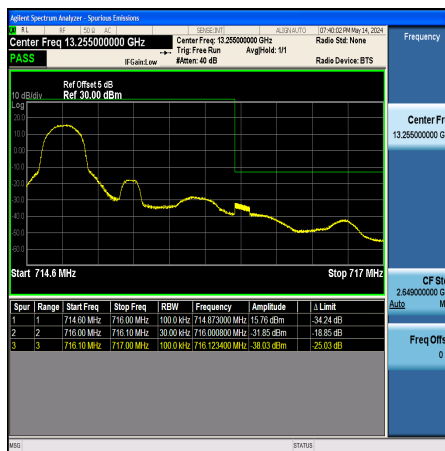
Band12_1.4MHz_QPSK_23017_6RB#0



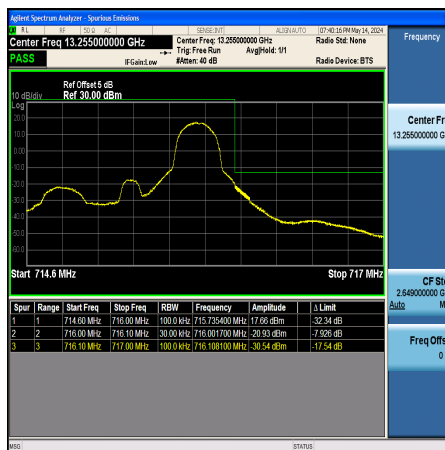
Band12_1.4MHz_16QAM_23017_6RB#0



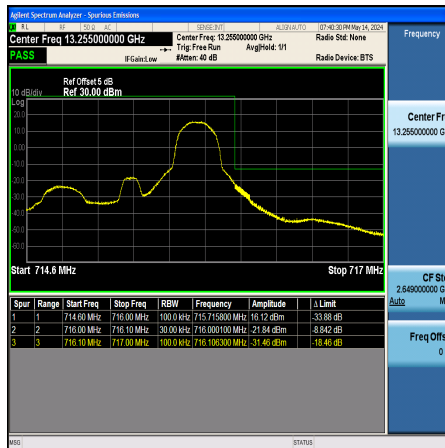
Band12_1.4MHz_QPSK_23173_1RB#0



Band12_1.4MHz_16QAM_23173_1RB#0



Band12_1.4MHz_QPSK_23173_1RB#5



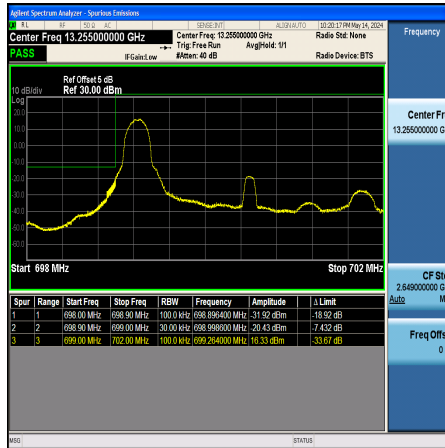
Band12_1.4MHz_16QAM_23173_1RB#5



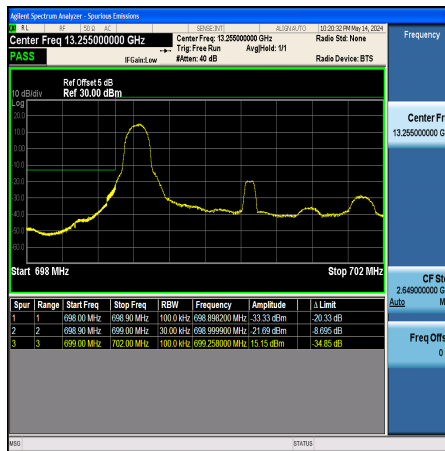
Band12_1.4MHz_QPSK_23173_6RB#0



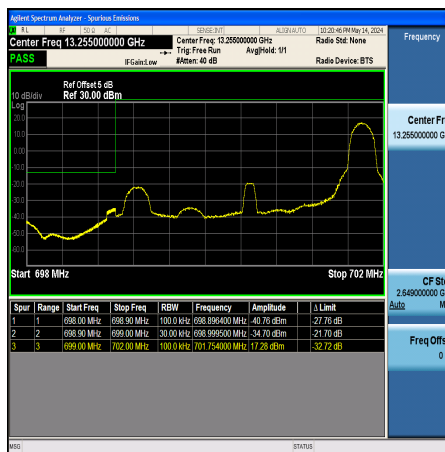
Band12_1.4MHz_16QAM_23173_6RB#0



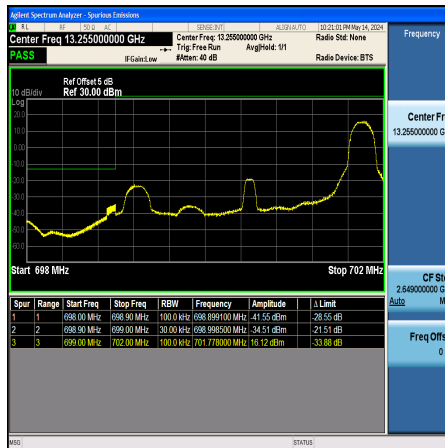
Band12_3MHz_QPSK_23025_1RB#0



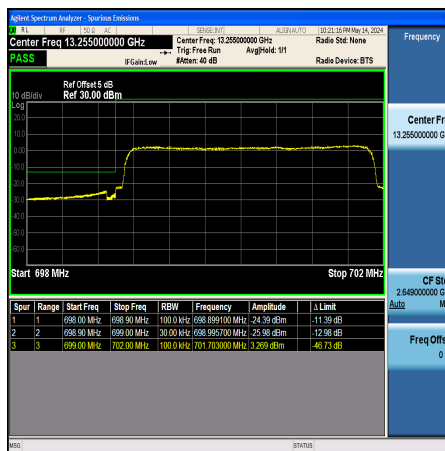
Band12_3MHz_16QAM_23025_1RB#0



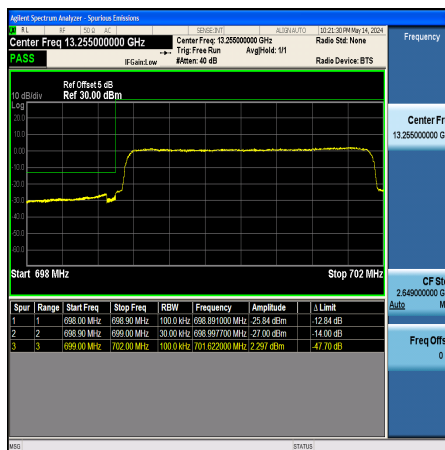
Band12_3MHz_QPSK_23025_1RB#14



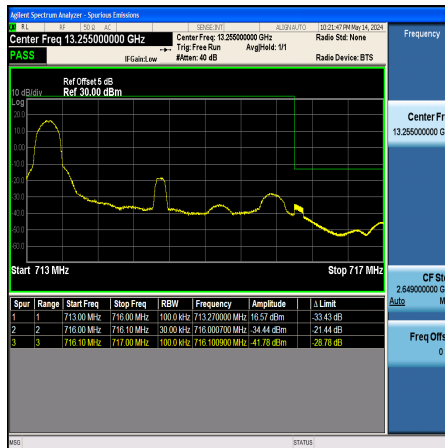
Band12_3MHz_16QAM_23025_1RB#14



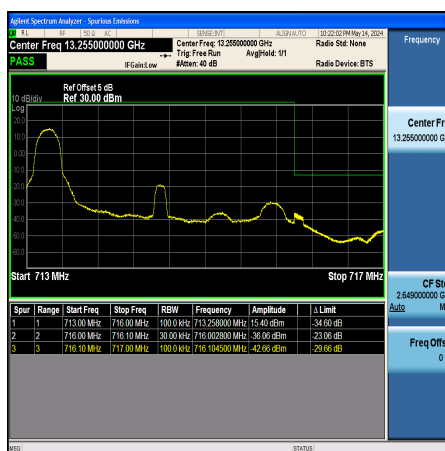
Band12_3MHz_QPSK_23025_15RB#0



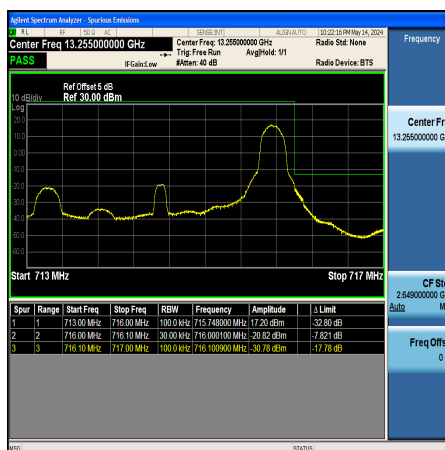
Band12_3MHz_16QAM_23025_15RB#0



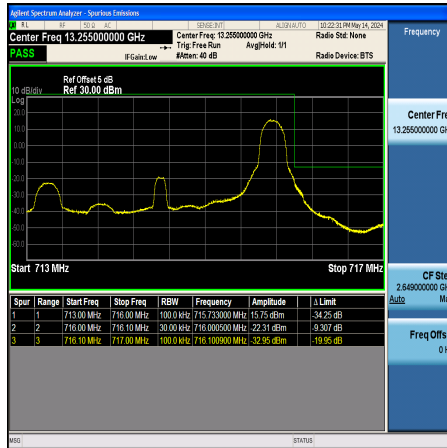
Band12_3MHz_QPSK_23165_1RB#0



Band12_3MHz_16QAM_23165_1RB#0



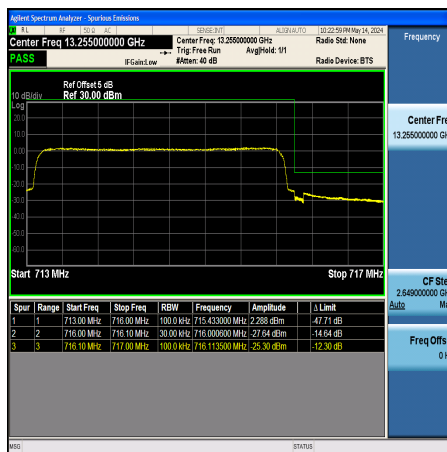
Band12_3MHz_QPSK_23165_1RB#14



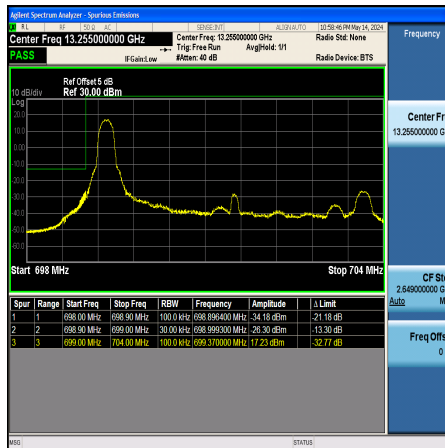
Band12_3MHz_16QAM_23165_1RB#14



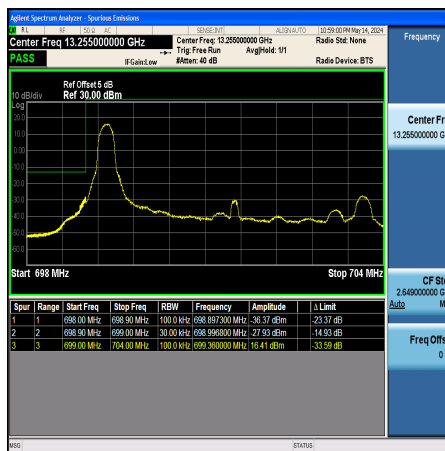
Band12_3MHz_QPSK_23165_15RB#0



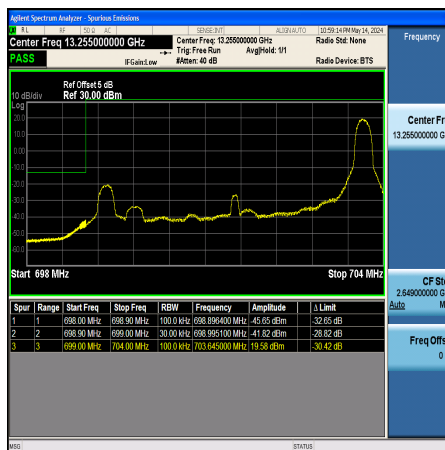
Band12_3MHz_16QAM_23165_15RB#0



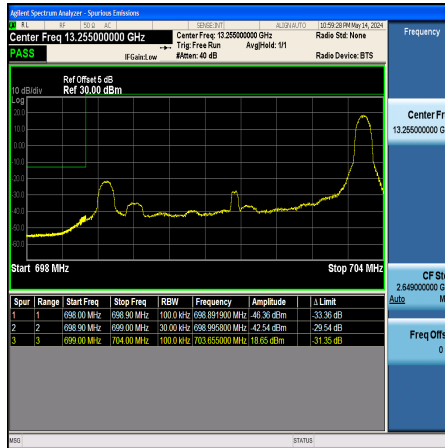
Band12_5MHz_QPSK_23035_1RB#0



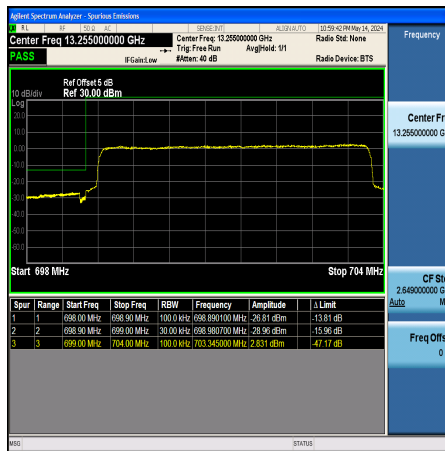
Band12_5MHz_16QAM_23035_1RB#0



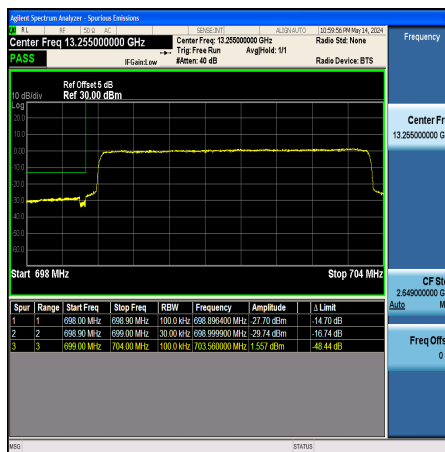
Band12_5MHz_QPSK_23035_1RB#24



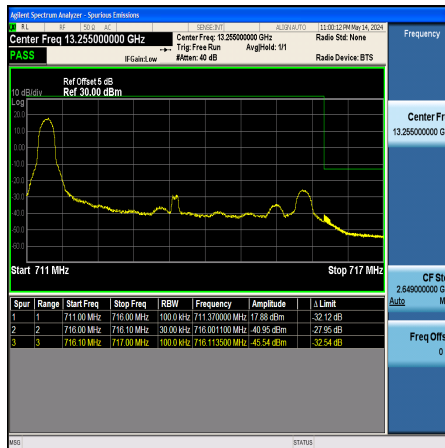
Band12_5MHz_16QAM_23035_1RB#24



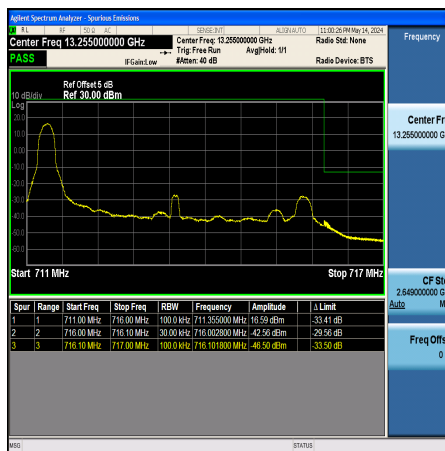
Band12_5MHz_QPSK_23035_25RB#0



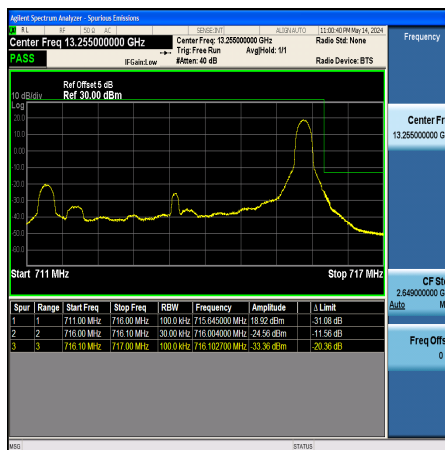
Band12_5MHz_16QAM_23035_25RB#0



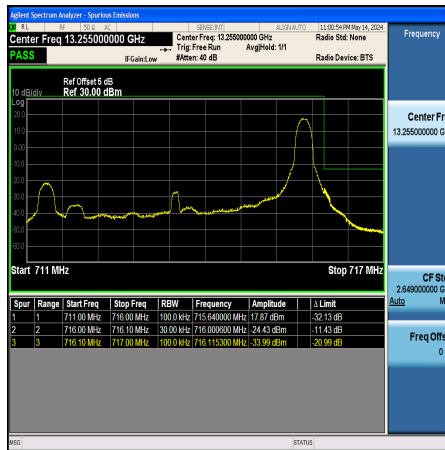
Band12_5MHz_QPSK_23155_1RB#0



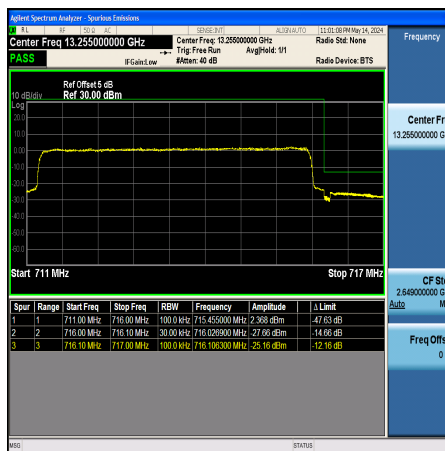
Band12_5MHz_16QAM_23155_1RB#0



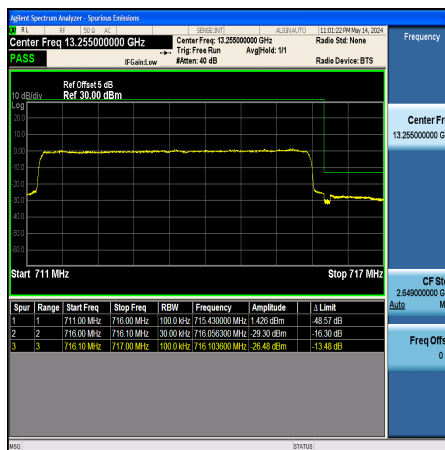
Band12_5MHz_QPSK_23155_1RB#24



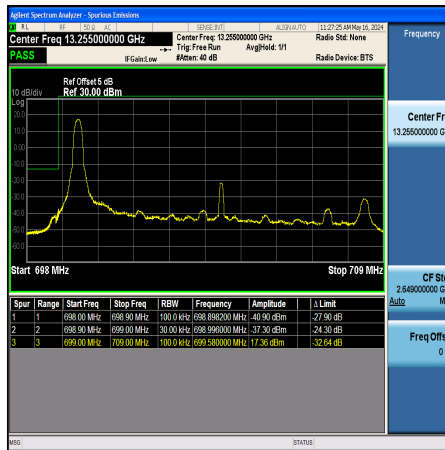
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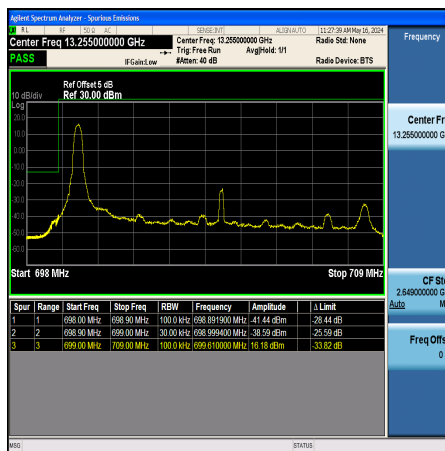
Band12_5MHz_QPSK_23155_25RB#0



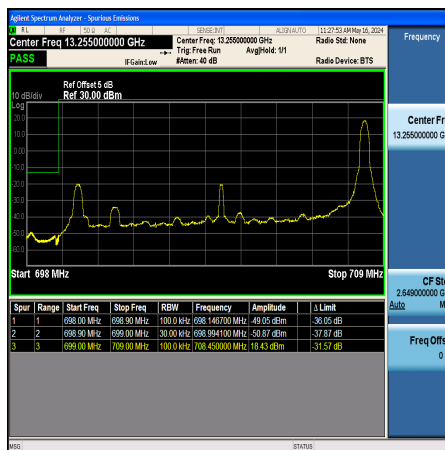
Band12_5MHz_16QAM_23155_25RB#0



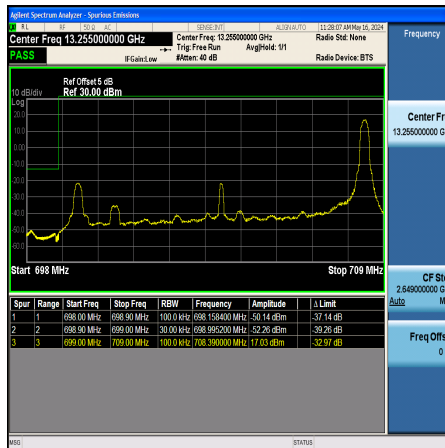
Band12_10MHz_QPSK_23060_1RB#0



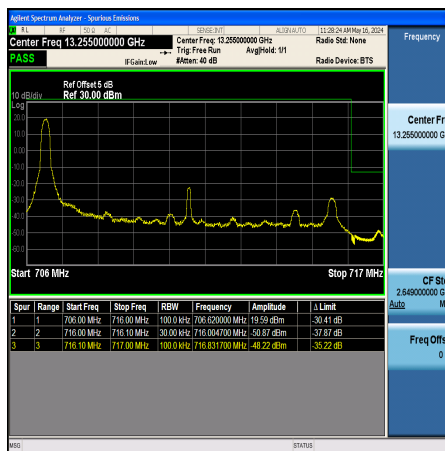
Band12_10MHz_16QAM_23060_1RB#0



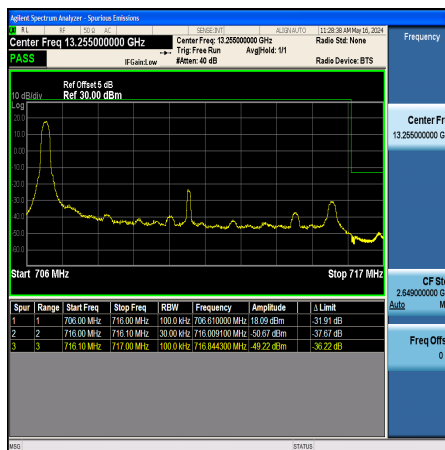
Band12_10MHz_QPSK_23060_1RB#49



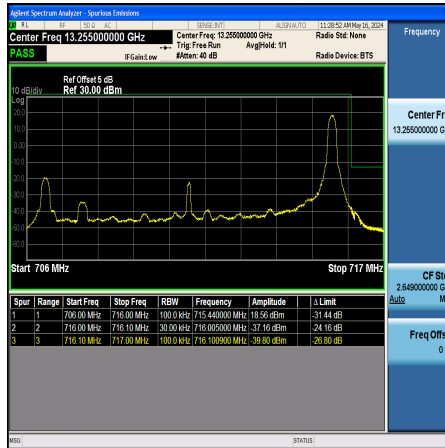
Band12_10MHz_16QAM_23060_1RB#49



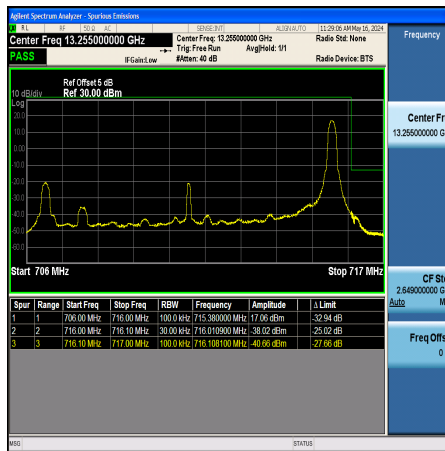
Band12_10MHz_QPSK_23130_1RB#0



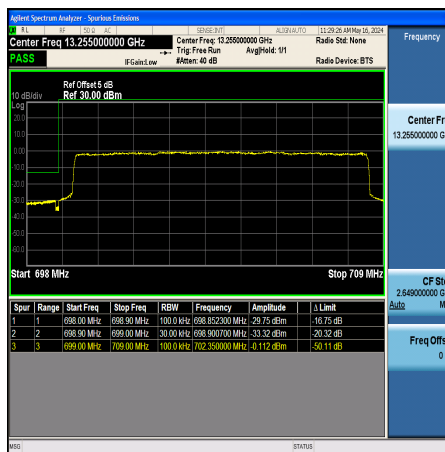
Band12_10MHz_16QAM_23130_1RB#0



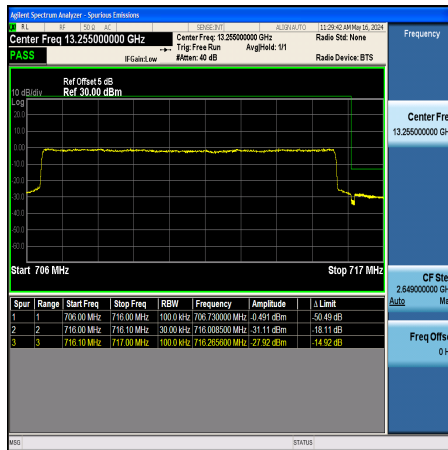
Band12_10MHz_QPSK_23130_1RB#49



Band12_10MHz_16QAM_23130_1RB#49



Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0

1.5. Appendix E: Conducted Spurious Emission

Test Result

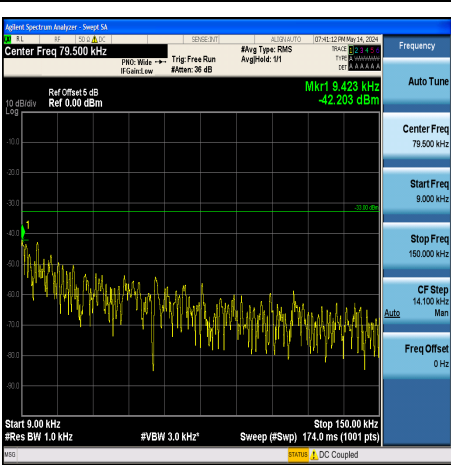
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-42.20	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-53.78	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-52.30	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-49.20	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-50.06	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-41.32	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-54.30	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-55.76	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-49.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-50.45	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-41.66	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-55.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-53.40	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-45.05	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-50.06	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-44.51	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-54.75	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-52.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-43.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-50.39	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-39.92	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-56.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-51.84	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-43.91	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-49.68	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-43.41	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-54.11	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-54.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-43.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-49.90	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-43.21	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-53.77	PASS

Band12	3MHz	QPSK	23025	1RB#0	30~1000	-54.97	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-49.02	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-49.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-42.38	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-54.39	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-56.53	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-46.65	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-50.25	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-40.58	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-54.72	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-54.29	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-43.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-49.98	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-42.67	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-52.62	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-55.23	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-44.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-49.95	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-43.41	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-52.66	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-54.80	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-47.75	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-50.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-38.33	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-55.12	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-58.56	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-47.90	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-50.05	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-46.13	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-55.58	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-61.67	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-47.59	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-50.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-39.88	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-55.58	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-63.46	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-49.44	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-50.44	PASS

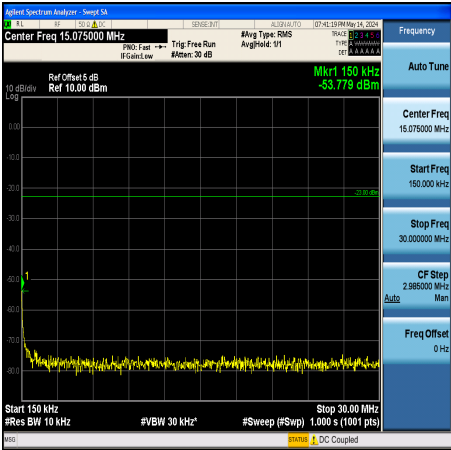
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-43.19	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-54.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-53.37	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-39.52	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-50.04	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-40.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-53.29	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-53.58	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-39.14	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-50.15	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-40.83	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-55.86	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-56.23	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-43.02	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-50.36	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-42.81	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-54.66	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-56.18	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-45.94	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-50.24	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-41.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-55.62	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-64.66	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-46.09	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-50.28	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-42.68	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-54.47	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-64.99	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-48.04	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-50.41	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-43.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-53.86	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-64.75	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-41.21	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-50.32	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-41.90	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-53.89	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-64.45	PASS

Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-40.74	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-49.92	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-39.21	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-54.27	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-64.49	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-39.53	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-50.37	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-38.94	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-54.91	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-64.81	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-40.40	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-50.36	PASS

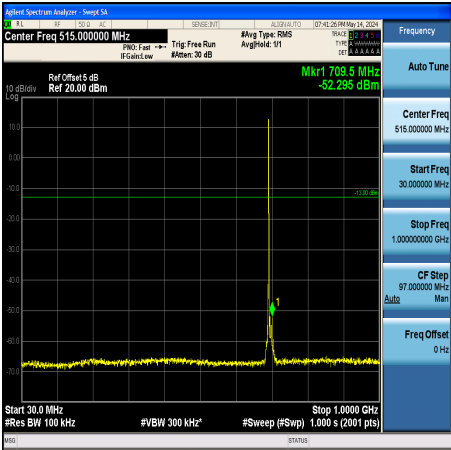
Test Graphs



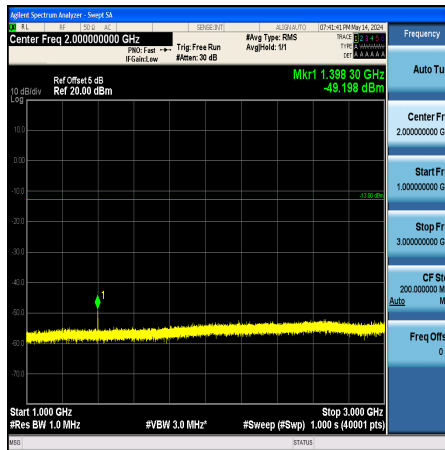
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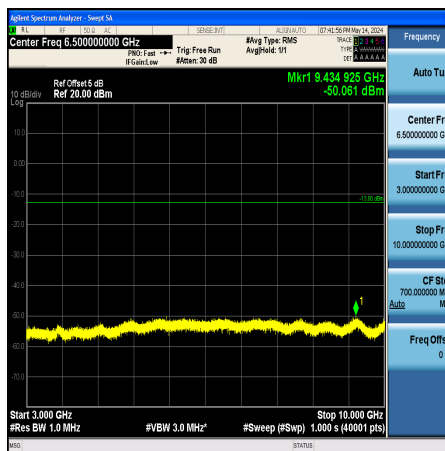
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



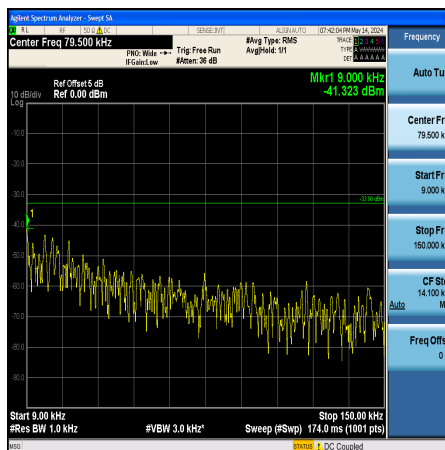
Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



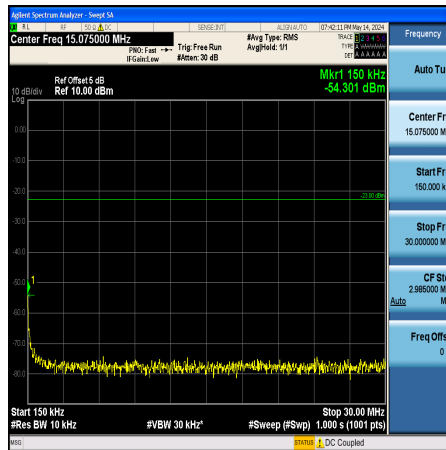
Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



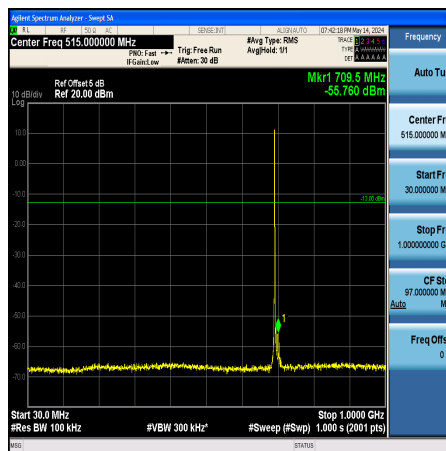
Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



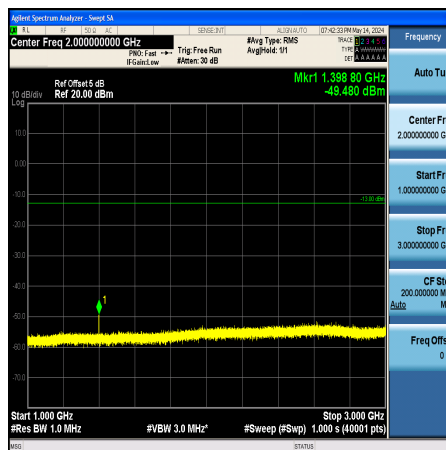
Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



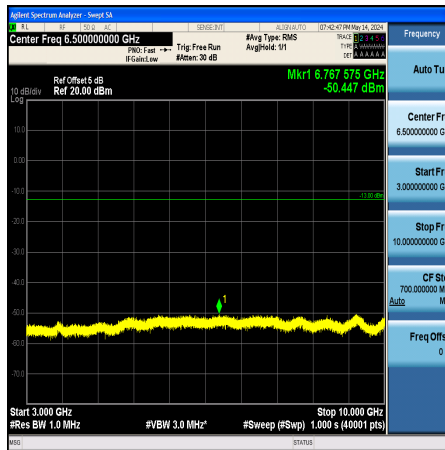
Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



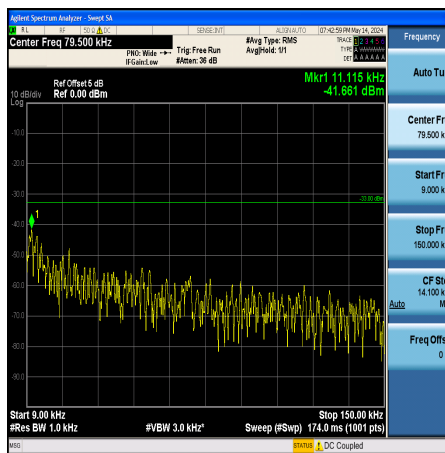
Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



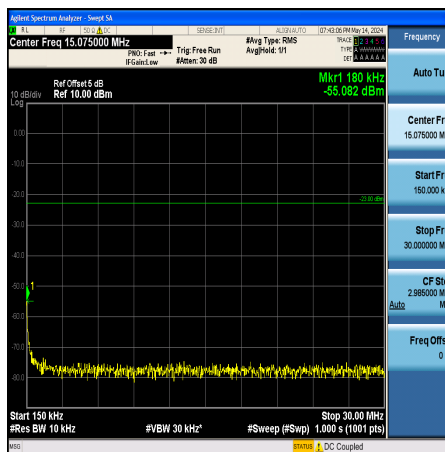
Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



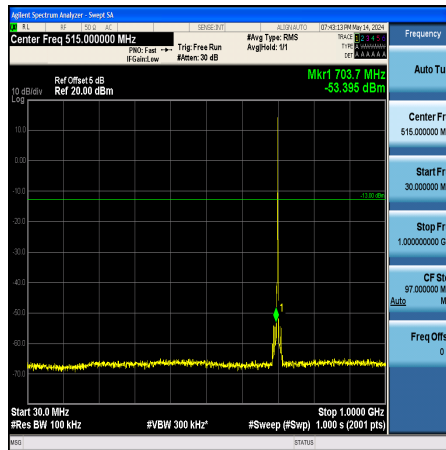
Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000



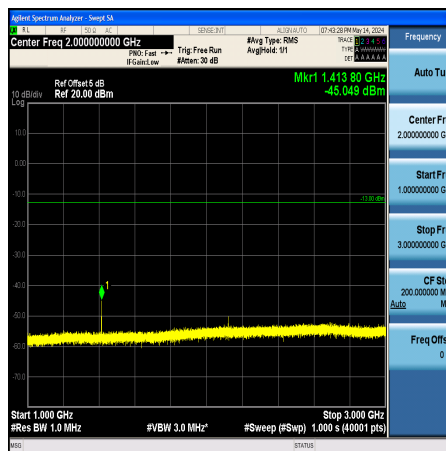
Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



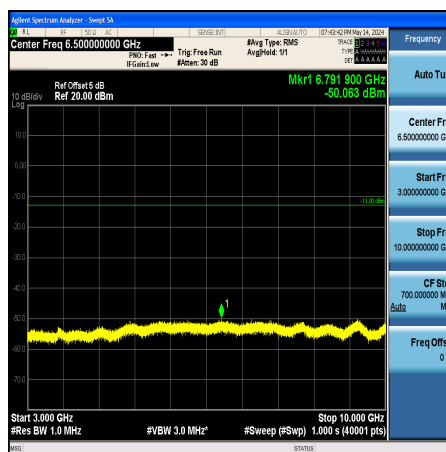
Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



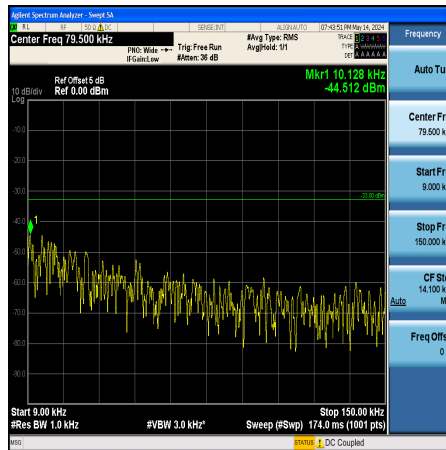
Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



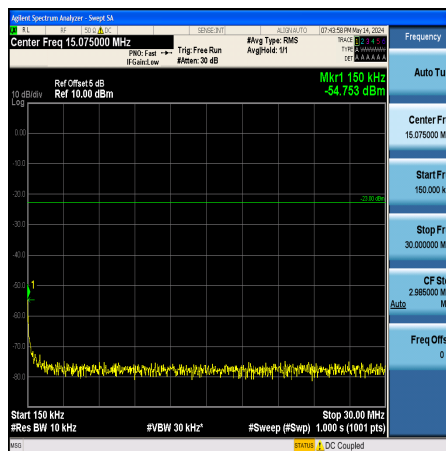
Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



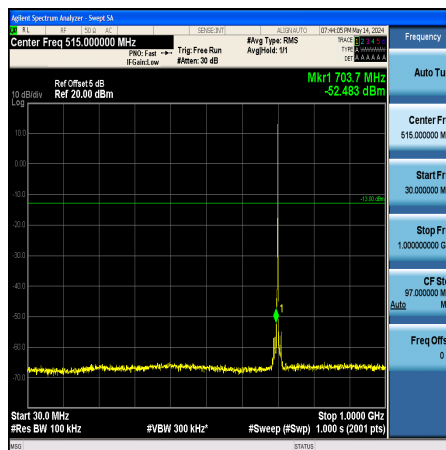
Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



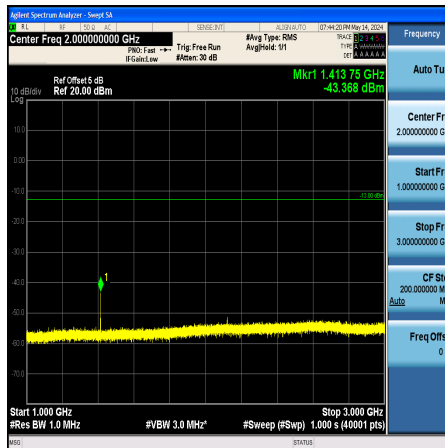
Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



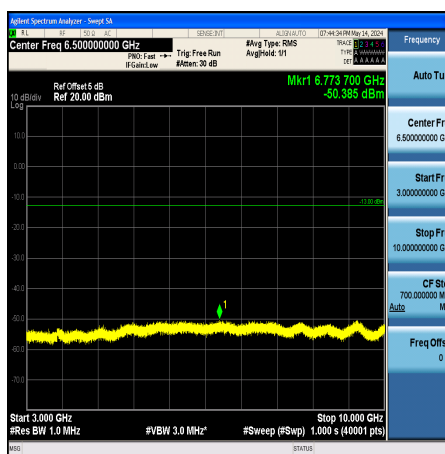
Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



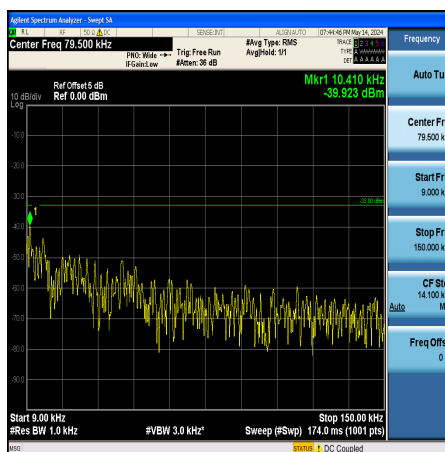
Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000



Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000



Band12_1.4MHz_QPSK_23173_1RB#0_0.009~0.15_0.009~0.15