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Appendix for LTE Band 12

Applicant: Imin Technology Pte Ltd

**Address: 11 Bishan Street 21, #03-05 Bosch Building, Singapore,
573943**

Product Name: POS Device

Model: I23M03

FCC ID: 2AYD5-I23M03

TABLE OF CONTENTS

1	Summary of Test Results Data and Graph	3
1.1.	Appendix A: Conducted Power Output Data	3
1.2.	Appendix B: Peak-to-Average Ratio(CCDF)	8
1.3.	Appendix C: 26dB Bandwidth and Occupied Bandwidth.....	34
1.4.	Appendix D: Band Edge.....	47
1.5.	Appendix E: Conducted Spurious Emission	73
1.6.	Appendix F: Frequency Stability.....	137

1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.95	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.65	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.94	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.85	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.65	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.91	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.71	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.92	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.74	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.73	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.85	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.70	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.97	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.67	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.74	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.94	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.63	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	25.00	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	25.03	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.99	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.74	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.95	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.83	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.90	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.74	PASS

Band12	1.4MHz	16QAM	23173	1RB#5	23.78	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.92	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.63	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.98	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.52	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.40	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.96	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.97	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.99	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.90	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.98	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.99	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.98	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.97	PASS
Band12	3MHz	QPSK	23025	8RB#0	24.04	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.97	PASS
Band12	3MHz	QPSK	23025	8RB#4	24.03	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.02	PASS
Band12	3MHz	QPSK	23025	8RB#7	24.02	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.97	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.96	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.99	PASS
Band12	3MHz	QPSK	23095	1RB#0	25.07	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.97	PASS
Band12	3MHz	QPSK	23095	1RB#8	25.11	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.93	PASS
Band12	3MHz	QPSK	23095	1RB#14	25.09	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.81	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.96	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.99	PASS
Band12	3MHz	QPSK	23095	8RB#4	24.01	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.01	PASS
Band12	3MHz	QPSK	23095	8RB#7	24.01	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.06	PASS
Band12	3MHz	QPSK	23095	15RB#0	24.07	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.95	PASS
Band12	3MHz	QPSK	23165	1RB#0	25.05	PASS

Band12	3MHz	16QAM	23165	1RB#0	23.87	PASS
Band12	3MHz	QPSK	23165	1RB#8	25.01	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.87	PASS
Band12	3MHz	QPSK	23165	1RB#14	25.00	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.86	PASS
Band12	3MHz	QPSK	23165	8RB#0	24.10	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.09	PASS
Band12	3MHz	QPSK	23165	8RB#4	24.12	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.11	PASS
Band12	3MHz	QPSK	23165	8RB#7	24.09	PASS
Band12	3MHz	16QAM	23165	8RB#7	23.07	PASS
Band12	3MHz	QPSK	23165	15RB#0	24.07	PASS
Band12	3MHz	16QAM	23165	15RB#0	23.00	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.85	PASS
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Band12	5MHz	16QAM	23035	12RB#6	22.98	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.84	PASS
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Band12	5MHz	16QAM	23095	1RB#0	24.00	PASS
Band12	5MHz	QPSK	23095	1RB#12	25.05	PASS
Band12	5MHz	16QAM	23095	1RB#12	24.06	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.88	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.89	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.91	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.91	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.88	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.85	PASS
Band12	5MHz	QPSK	23095	12RB#13	24.02	PASS

Band12	5MHz	16QAM	23095	12RB#13	23.06	PASS
Band12	5MHz	QPSK	23095	25RB#0	24.02	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.93	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.96	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.81	PASS
Band12	5MHz	QPSK	23155	1RB#12	25.00	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.98	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.81	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.82	PASS
Band12	5MHz	QPSK	23155	12RB#0	24.05	PASS
Band12	5MHz	16QAM	23155	12RB#0	23.11	PASS
Band12	5MHz	QPSK	23155	12RB#6	24.10	PASS
Band12	5MHz	16QAM	23155	12RB#6	23.11	PASS
Band12	5MHz	QPSK	23155	12RB#13	24.03	PASS
Band12	5MHz	16QAM	23155	12RB#13	23.00	PASS
Band12	5MHz	QPSK	23155	25RB#0	24.05	PASS
Band12	5MHz	16QAM	23155	25RB#0	23.10	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.86	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.81	PASS
Band12	10MHz	QPSK	23060	1RB#24	25.11	PASS
Band12	10MHz	16QAM	23060	1RB#24	24.21	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.85	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.94	PASS
Band12	10MHz	QPSK	23060	25RB#0	24.07	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.11	PASS
Band12	10MHz	QPSK	23060	25RB#12	24.14	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.12	PASS
Band12	10MHz	QPSK	23060	25RB#25	24.21	PASS
Band12	10MHz	16QAM	23060	25RB#25	23.19	PASS
Band12	10MHz	QPSK	23060	50RB#0	24.16	PASS
Band12	10MHz	16QAM	23060	50RB#0	23.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.98	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.84	PASS
Band12	10MHz	QPSK	23095	1RB#24	25.00	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.98	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.96	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.78	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.86	PASS

Band12	10MHz	16QAM	23095	25RB#0	22.90	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.82	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.88	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.91	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.95	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.88	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.94	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.98	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.70	PASS
Band12	10MHz	QPSK	23130	1RB#24	25.18	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.92	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.93	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.74	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.93	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.95	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.96	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.91	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.92	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.96	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.93	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.87	PASS

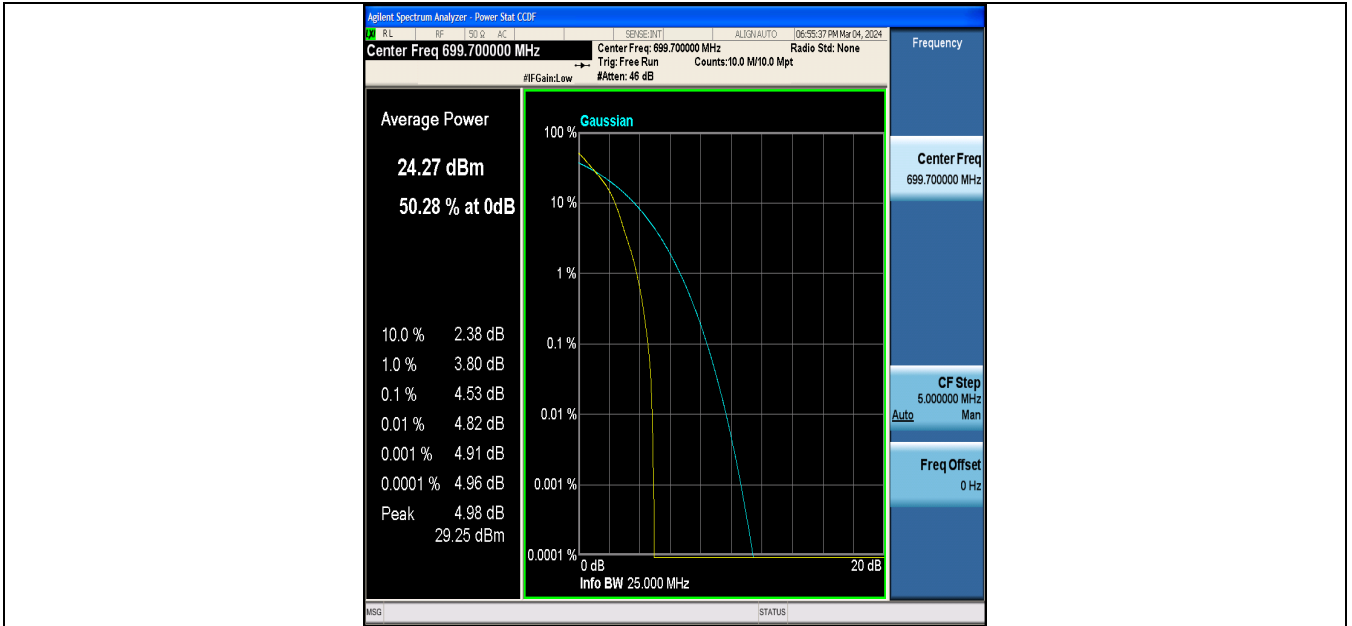
1.2. Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

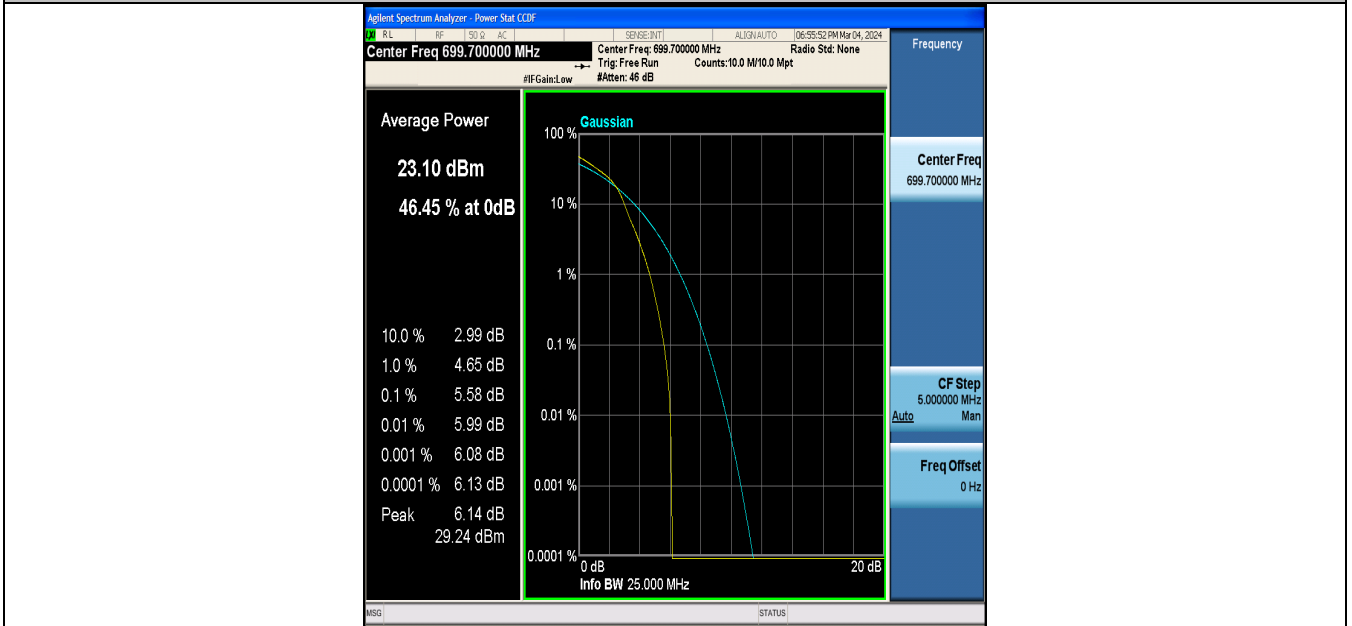
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.53	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.58	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.08	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.93	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.11	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.93	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.61	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.47	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.11	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.21	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.73	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.59	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.47	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.65	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.21	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.09	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.27	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.13	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.65	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.49	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.05	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.84	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.80	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.62	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.52	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.19	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.57	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.30	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.44	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.86	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.56	13	PASS

Band12	5MHz	QPSK	23155	25RB#0	5.74	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.46	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.55	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.69	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.49	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.20	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.09	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.53	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.20	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.04	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.35	13	PASS

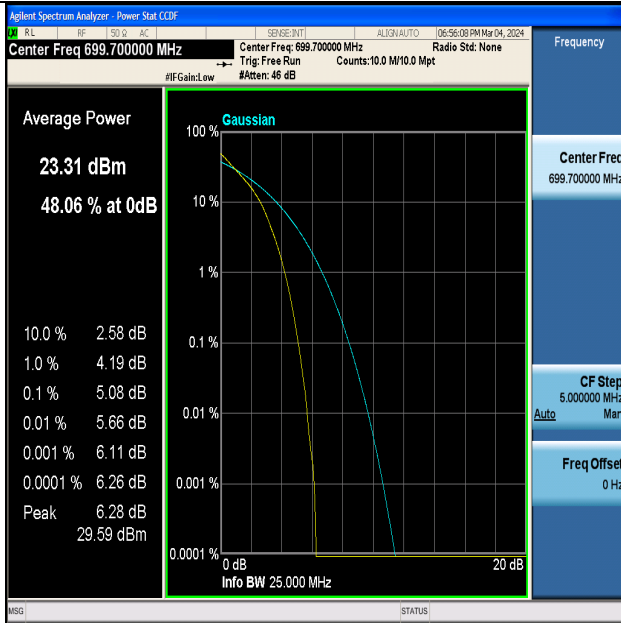
Test Graphs



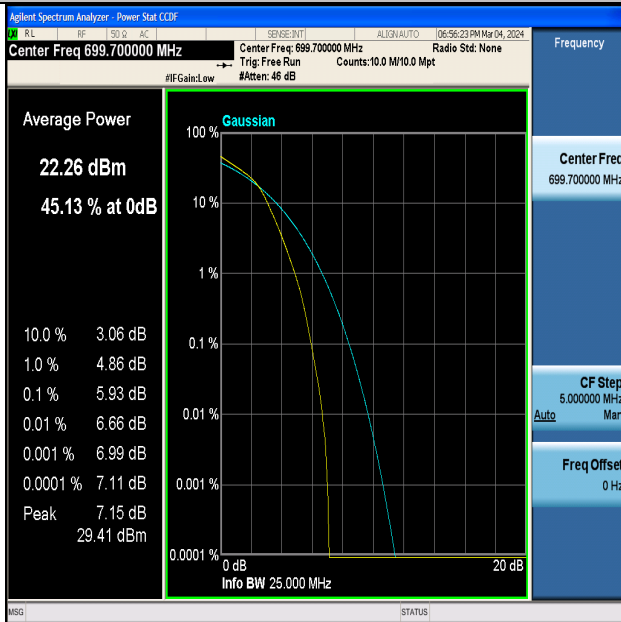
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



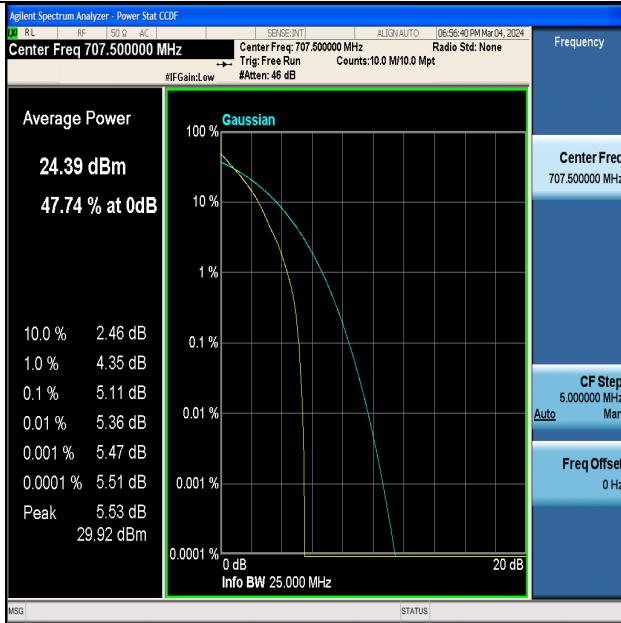
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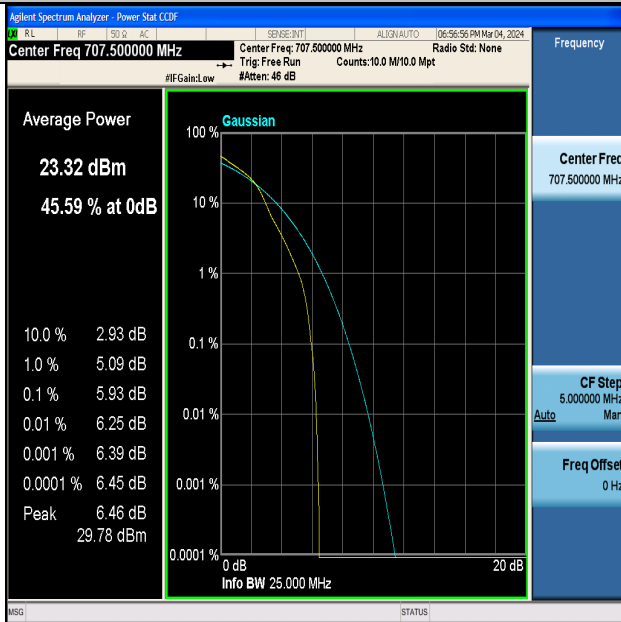
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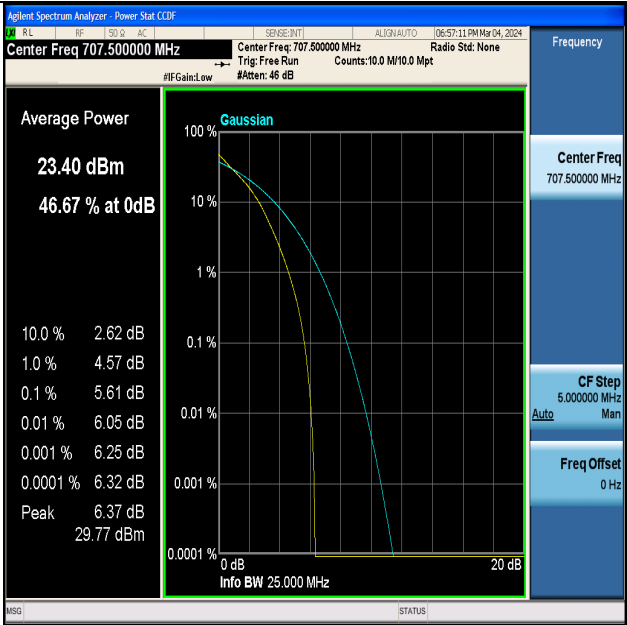
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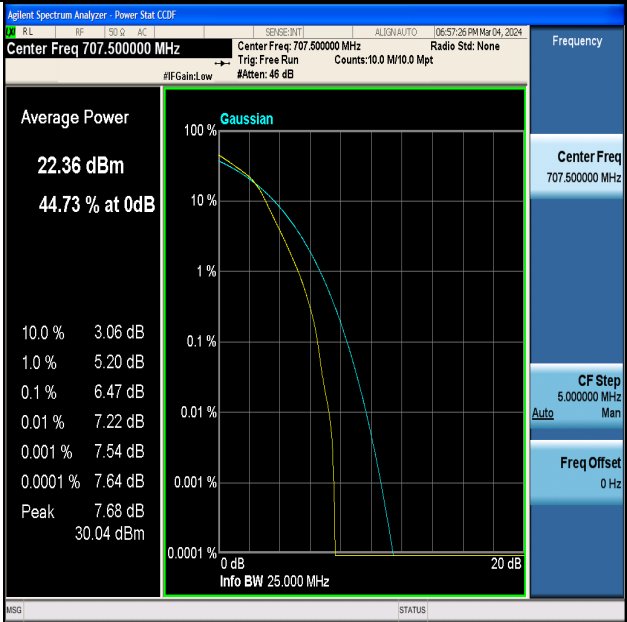
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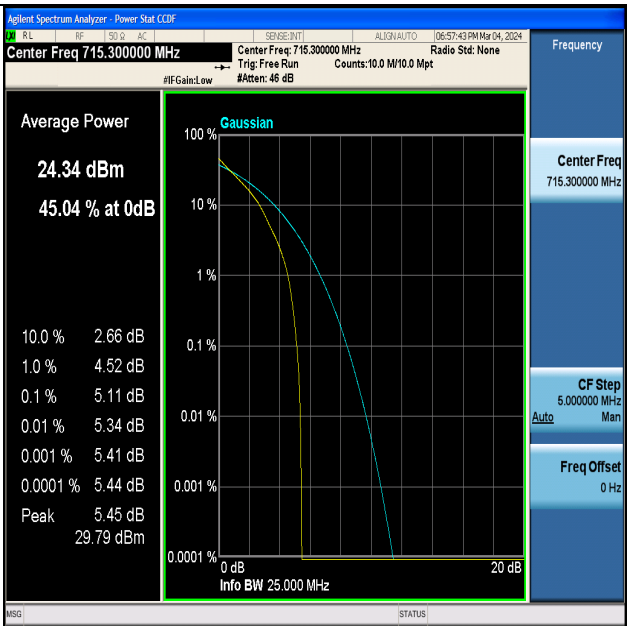
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



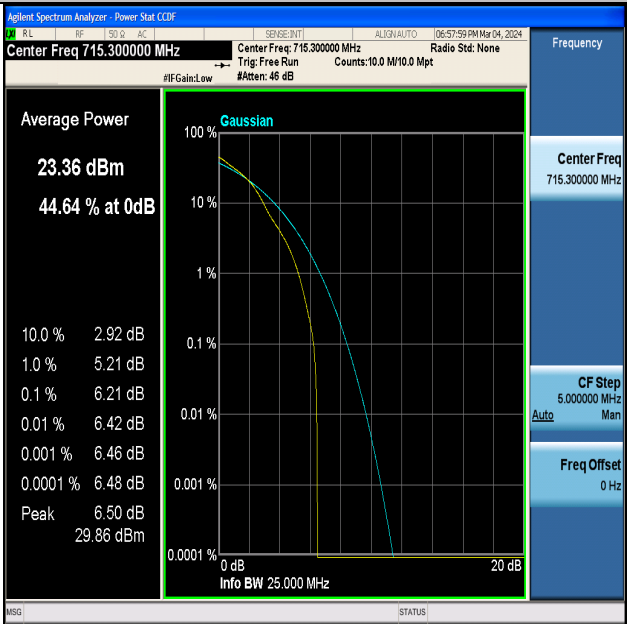
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



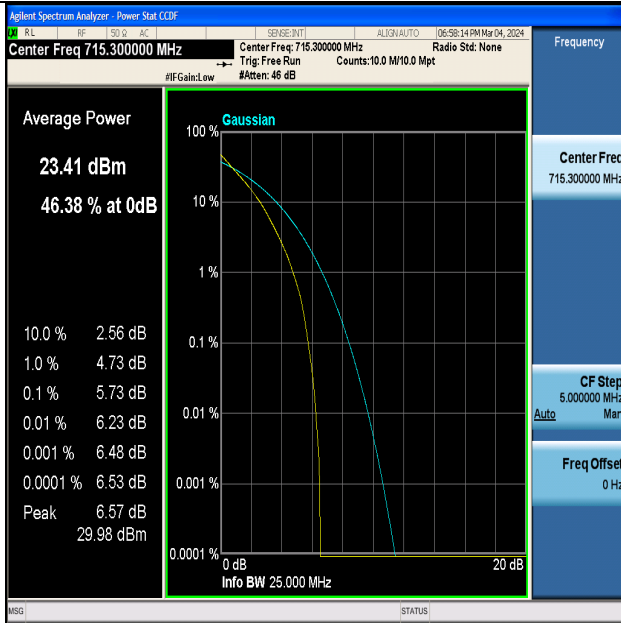
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



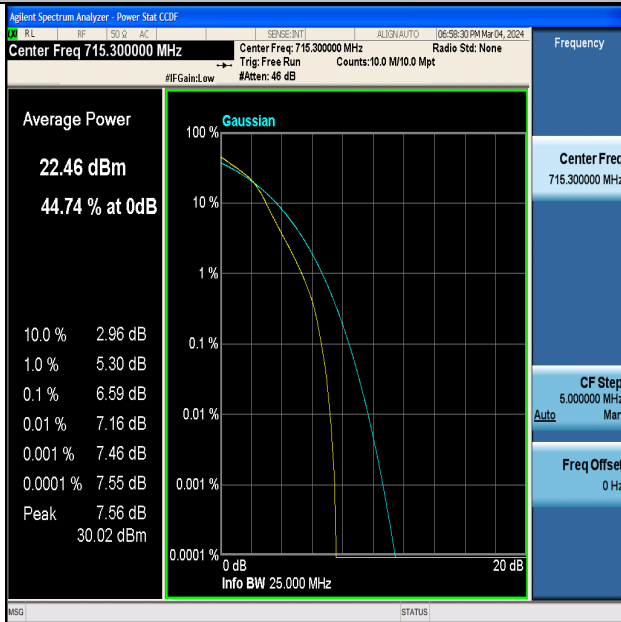
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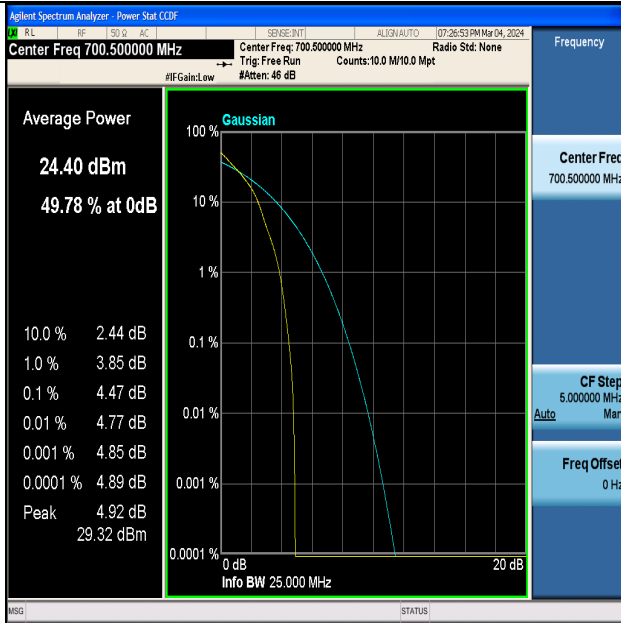
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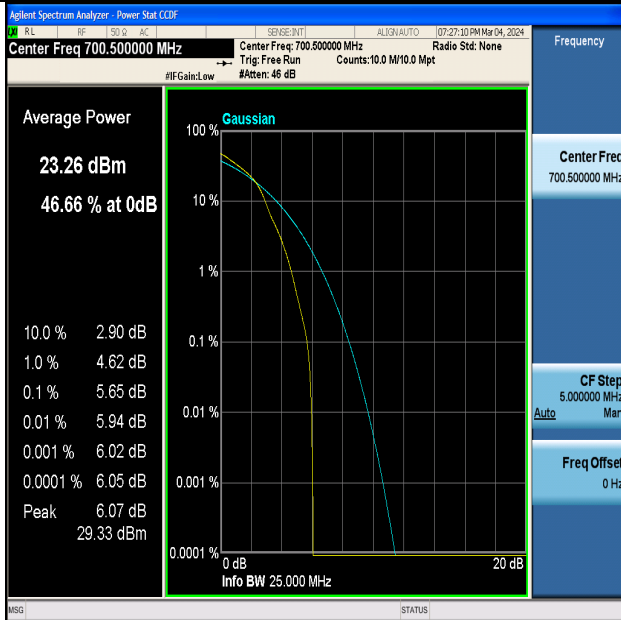
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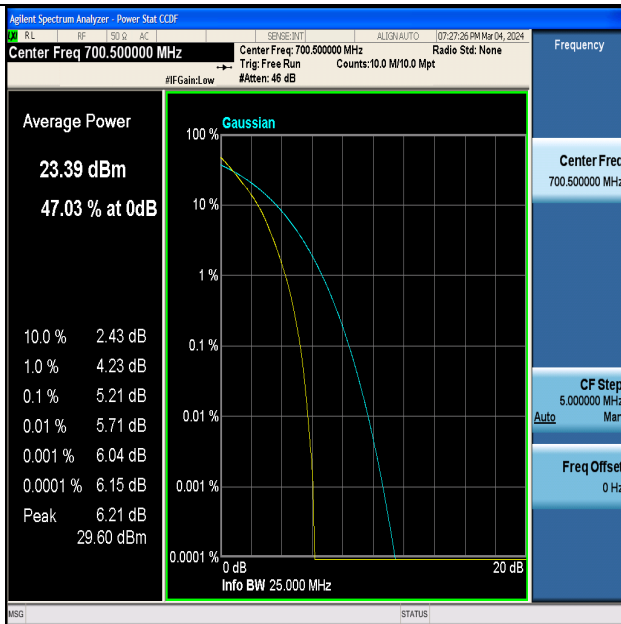
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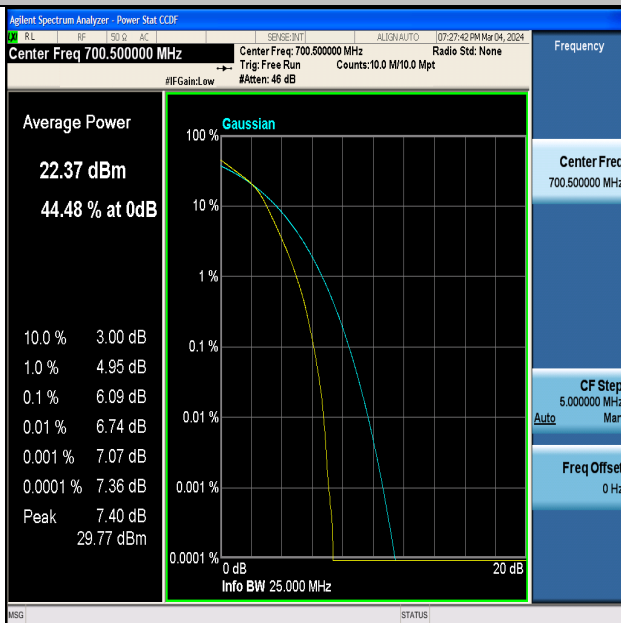
Band12-3MHz-QPSK-23025-1RB#0-PASS



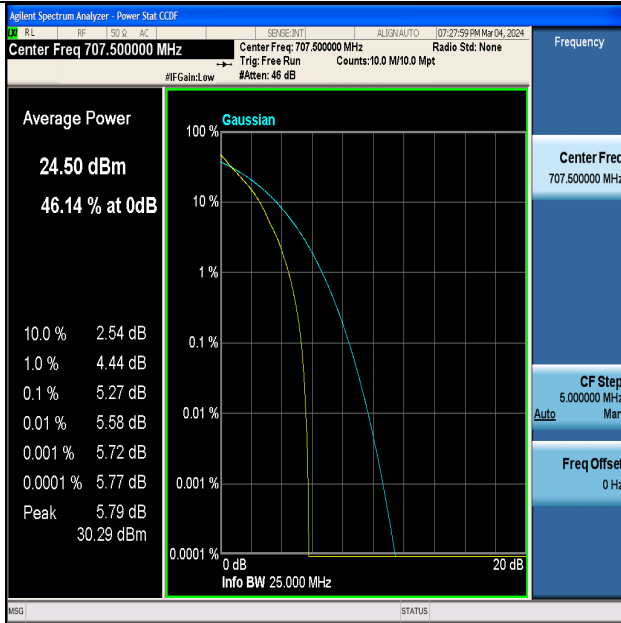
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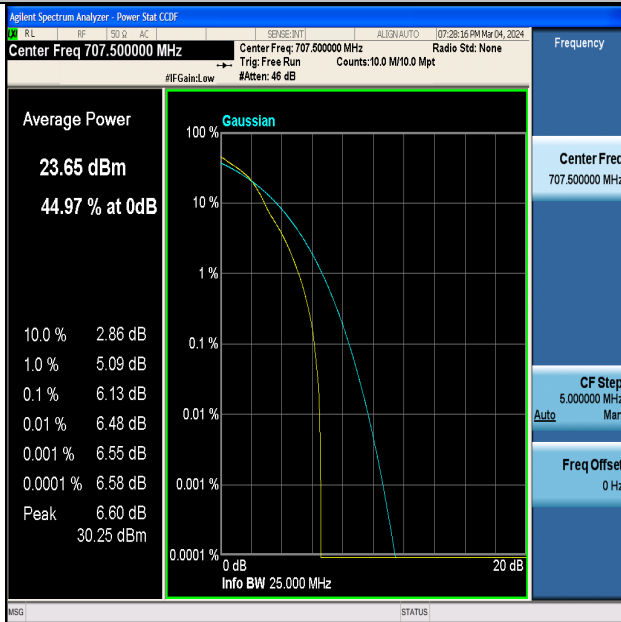
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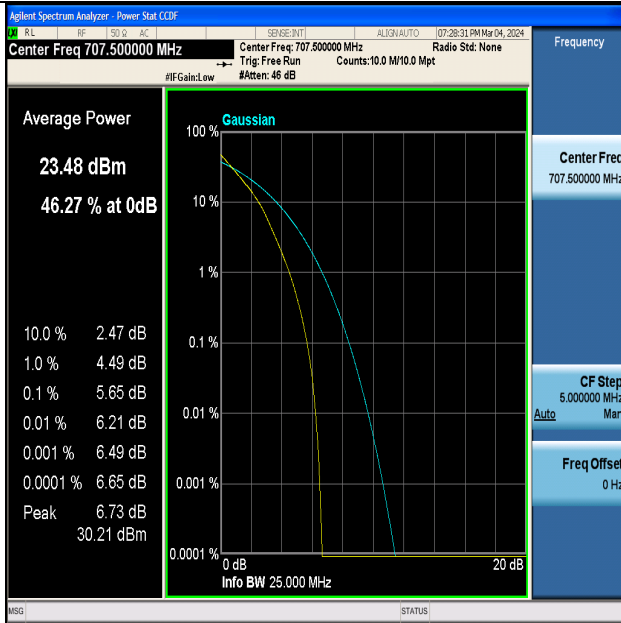
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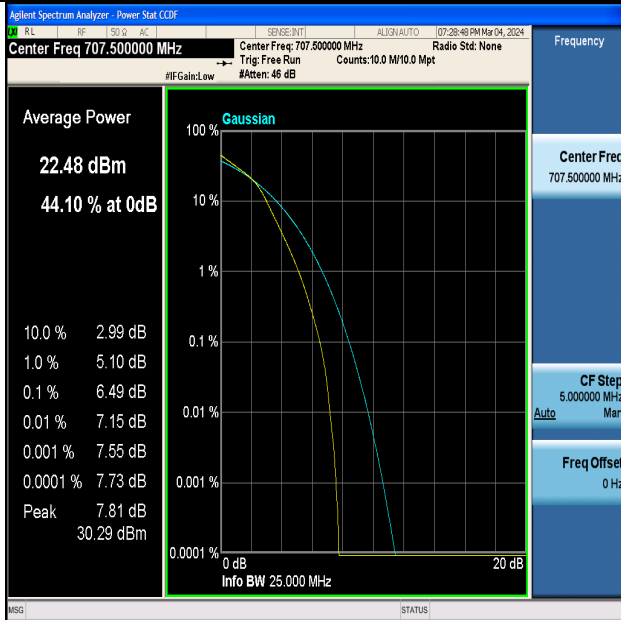
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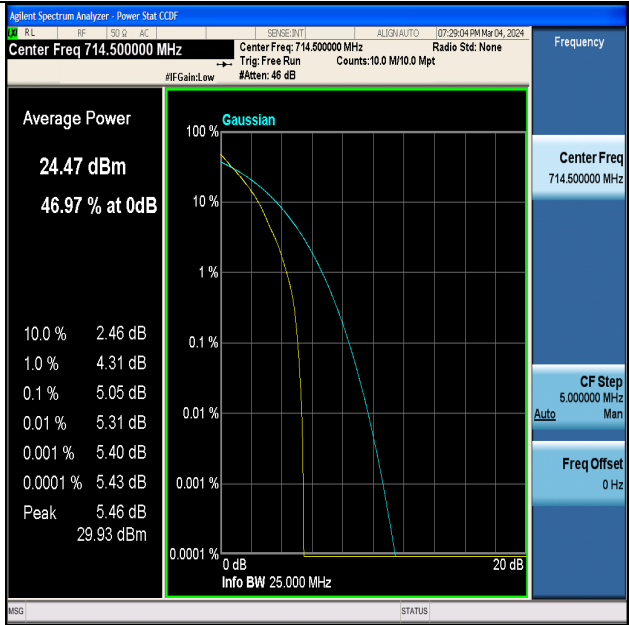
Band12-3MHz-16QAM-23095-1RB#0-PASS



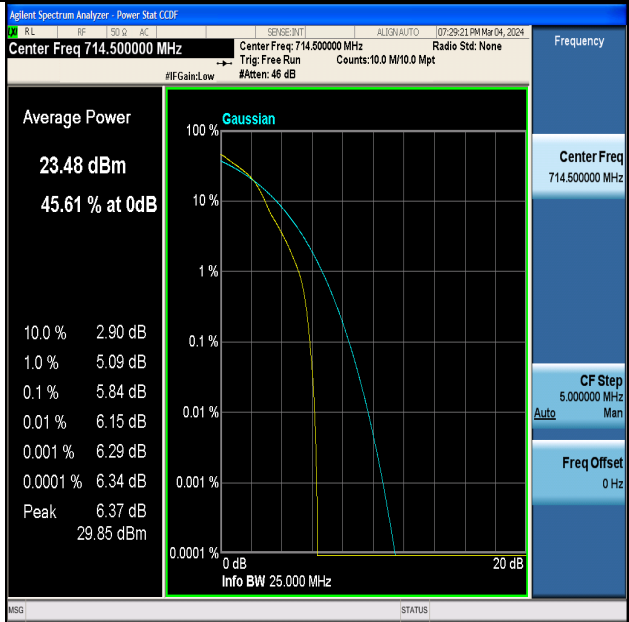
Band12-3MHz-QPSK-23095-15RB#0-PASS



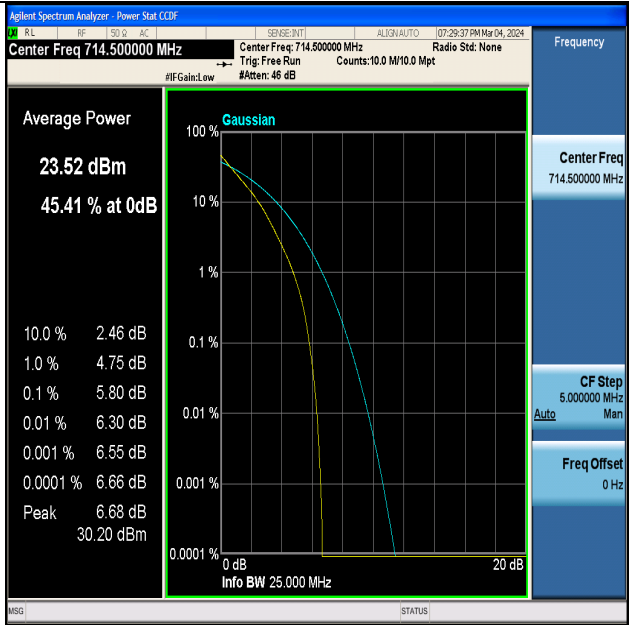
Band12-3MHz-16QAM-23095-15RB#0-PASS



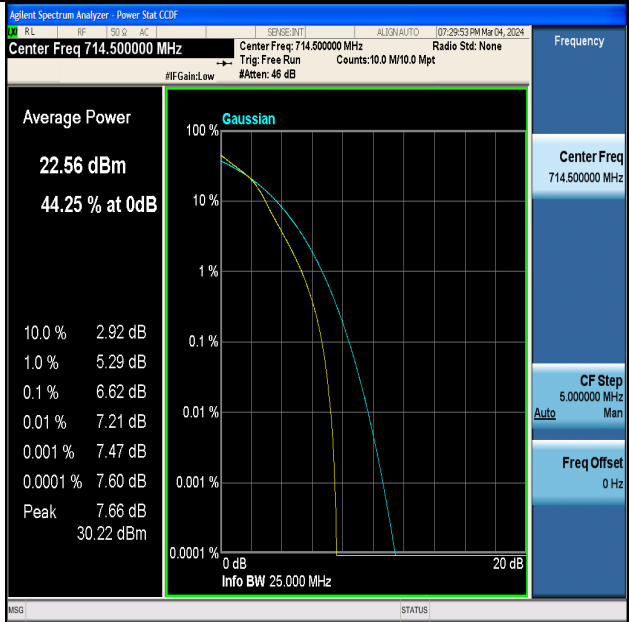
Band12-3MHz-QPSK-23165-1RB#0-PASS



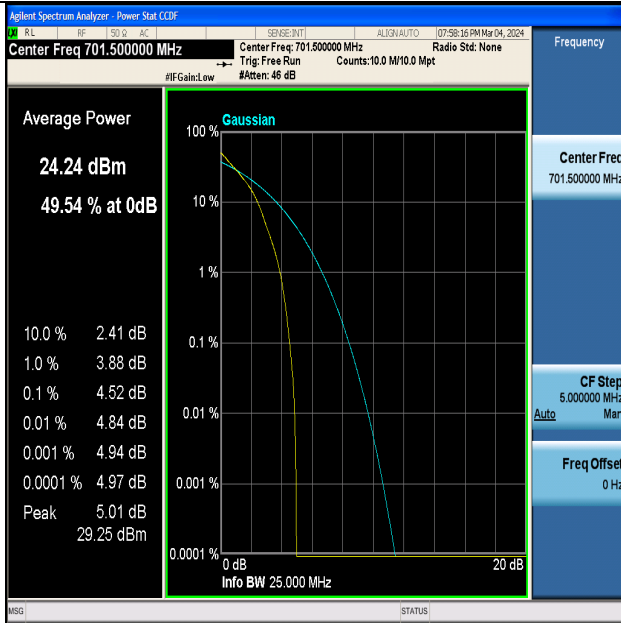
Band12-3MHz-16QAM-23165-1RB#0-PASS



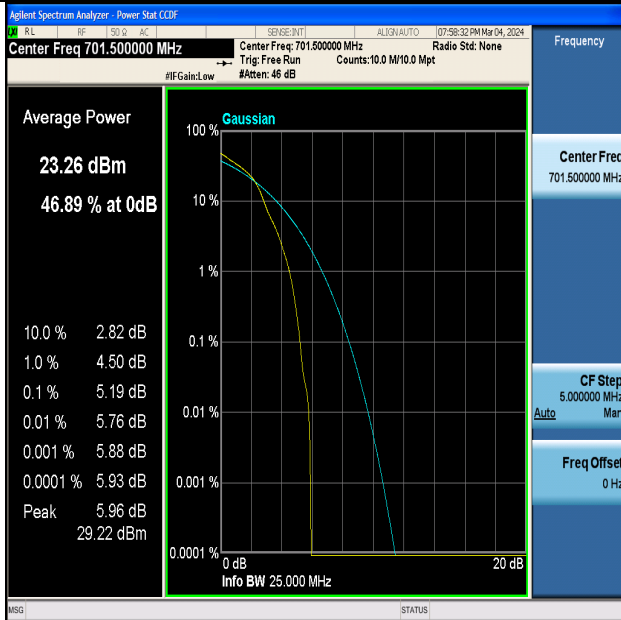
Band12-3MHz-QPSK-23165-15RB#0-PASS



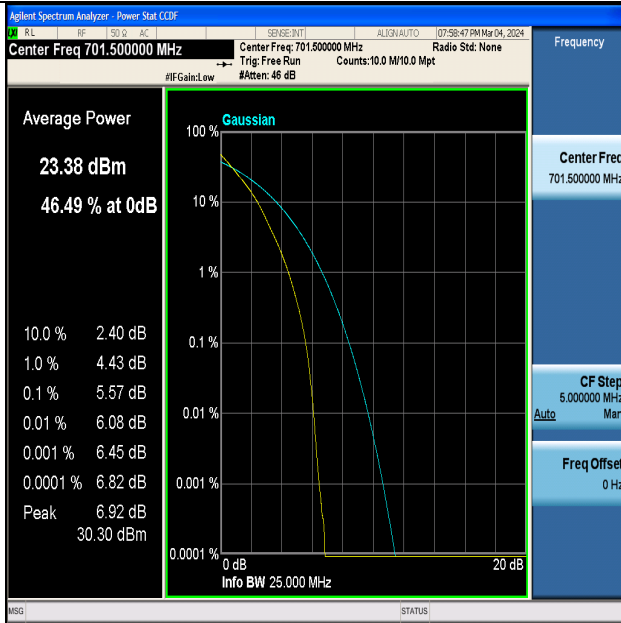
Band12-3MHz-16QAM-23165-15RB#0-PASS



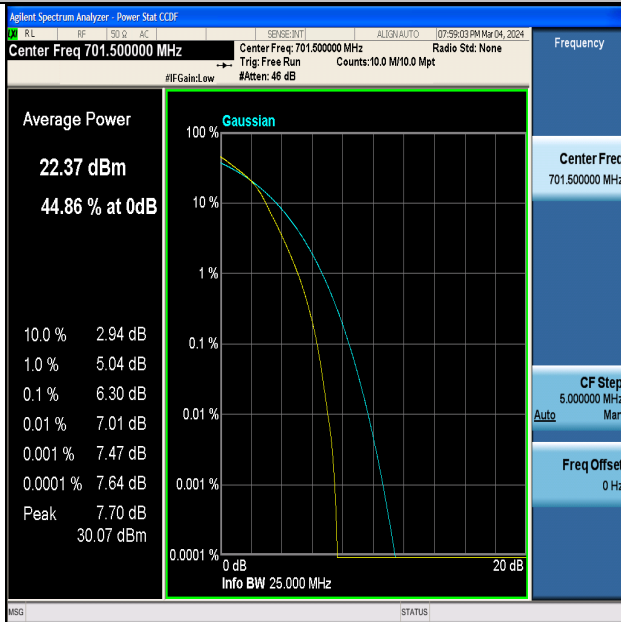
Band12-5MHz-QPSK-23035-1RB#0-PASS



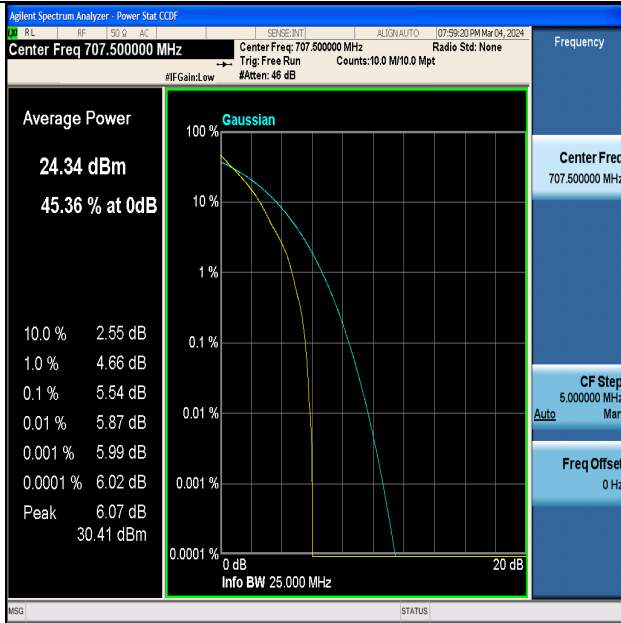
Band12-5MHz-16QAM-23035-1RB#0-PASS



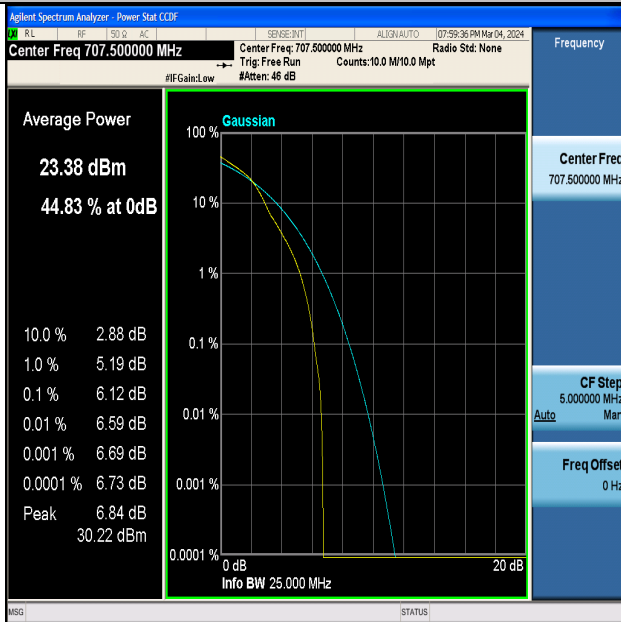
Band12-5MHz-QPSK-23035-25RB#0-PASS



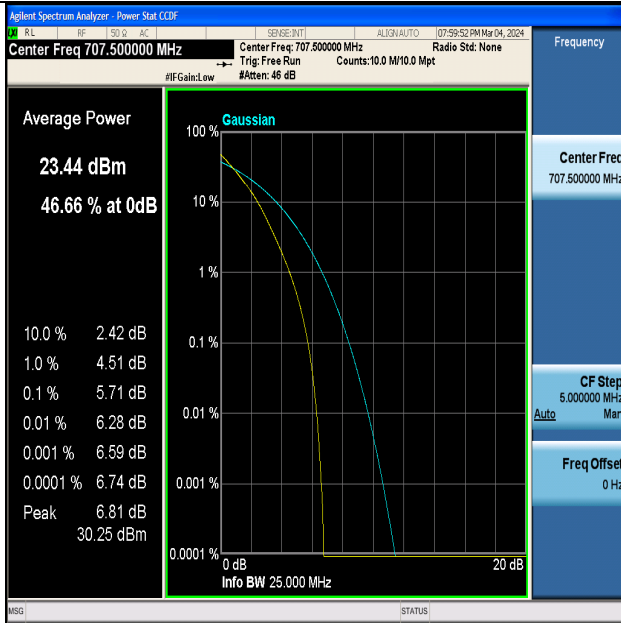
Band12-5MHz-16QAM-23035-25RB#0-PASS



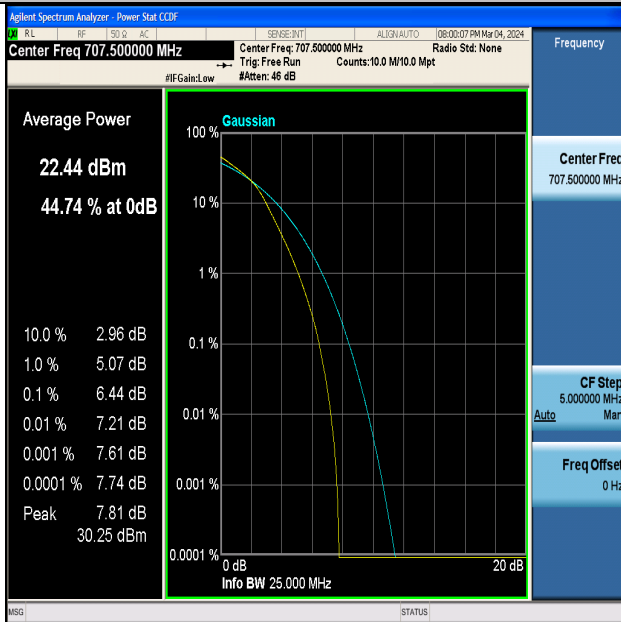
Band12-5MHz-QPSK-23095-1RB#0-PASS



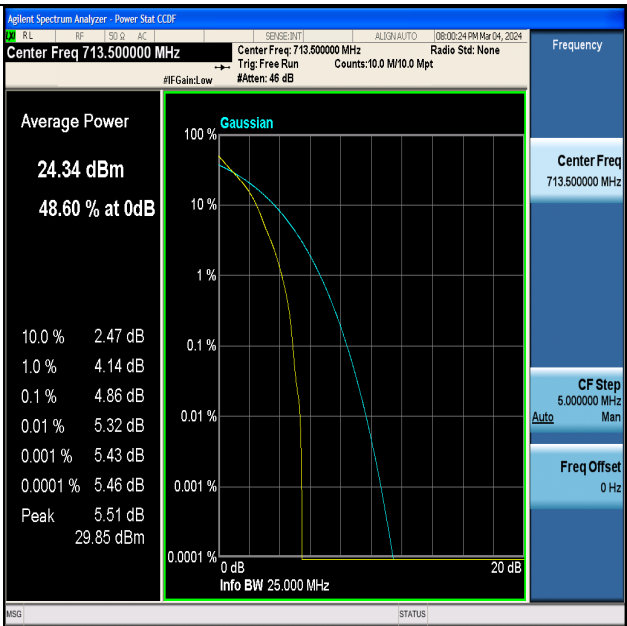
Band12-5MHz-16QAM-23095-1RB#0-PASS



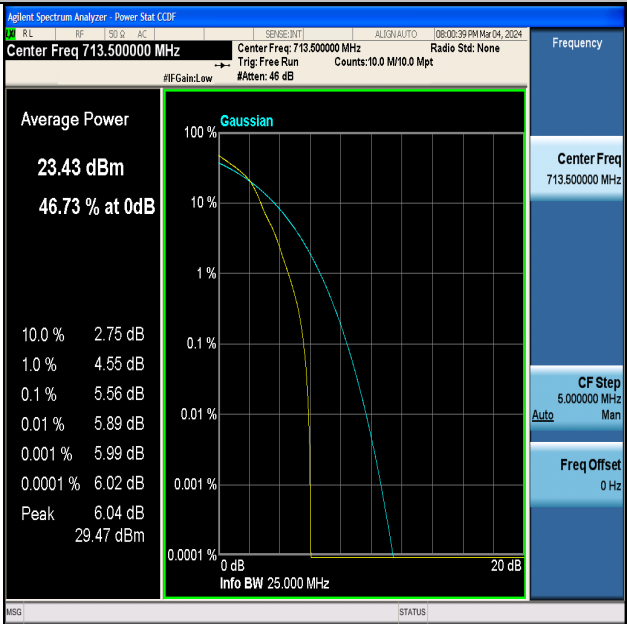
Band12-5MHz-QPSK-23095-25RB#0-PASS



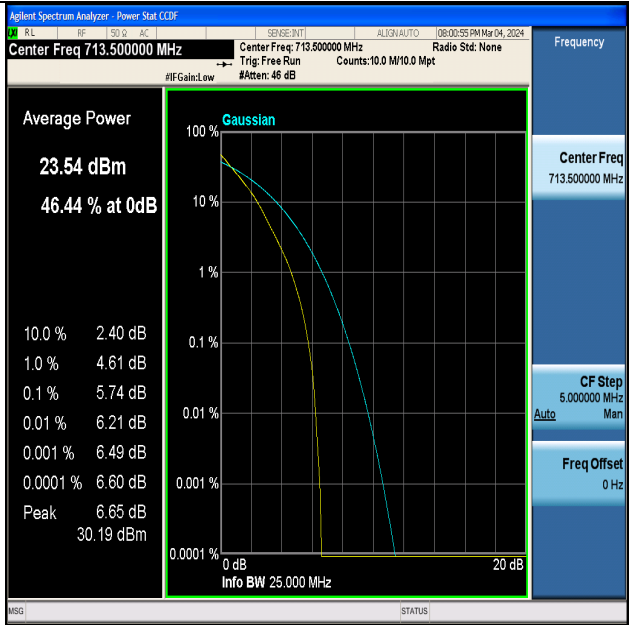
Band12-5MHz-16QAM-23095-25RB#0-PASS



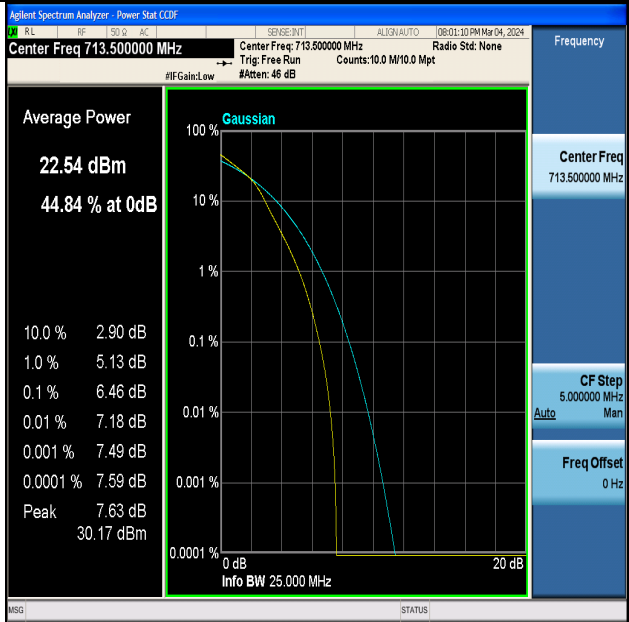
Band12-5MHz-QPSK-23155-1RB#0-PASS



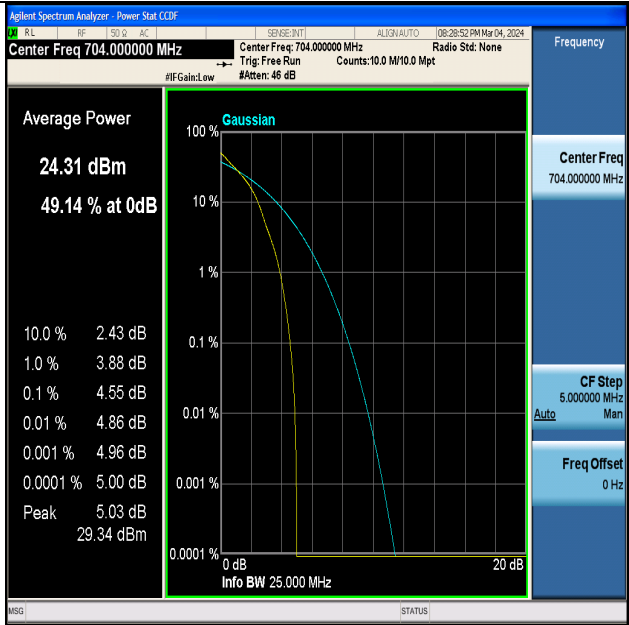
Band12-5MHz-16QAM-23155-1RB#0-PASS



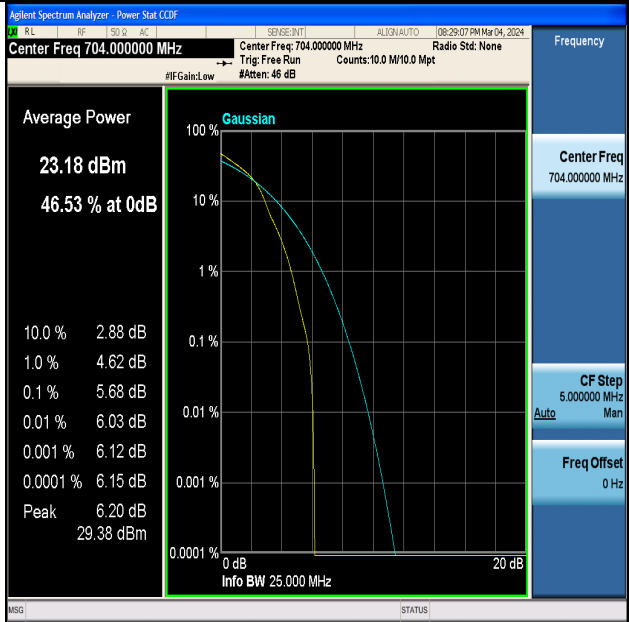
Band12-5MHz-QPSK-23155-25RB#0-PASS



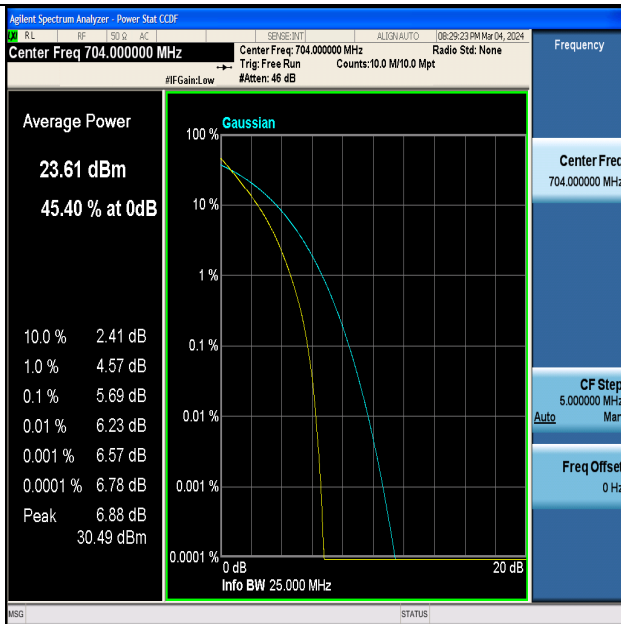
Band12-5MHz-16QAM-23155-25RB#0-PASS



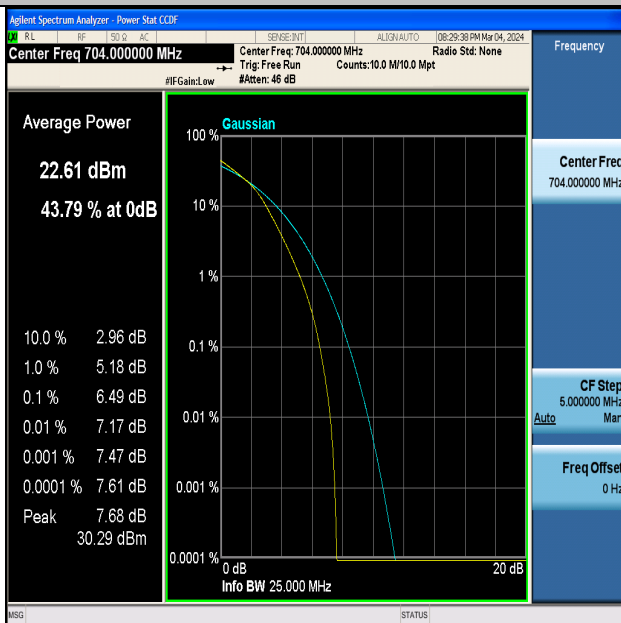
Band12-10MHz-QPSK-23060-1RB#0-PASS



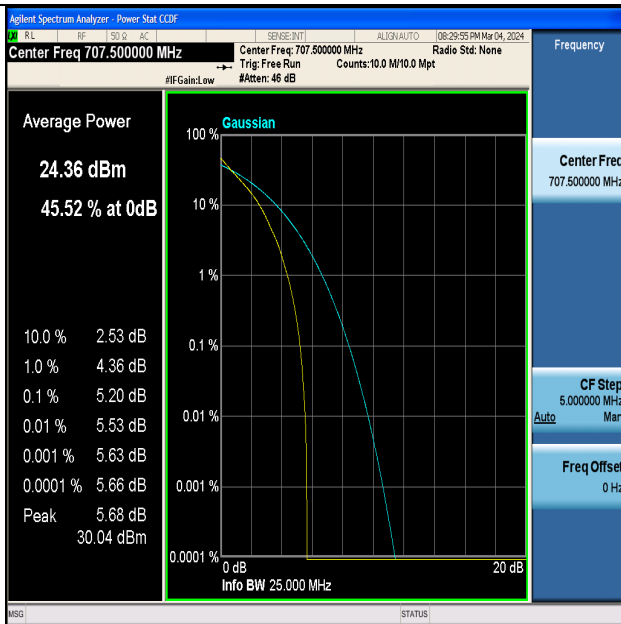
Band12-10MHz-16QAM-23060-1RB#0-PASS



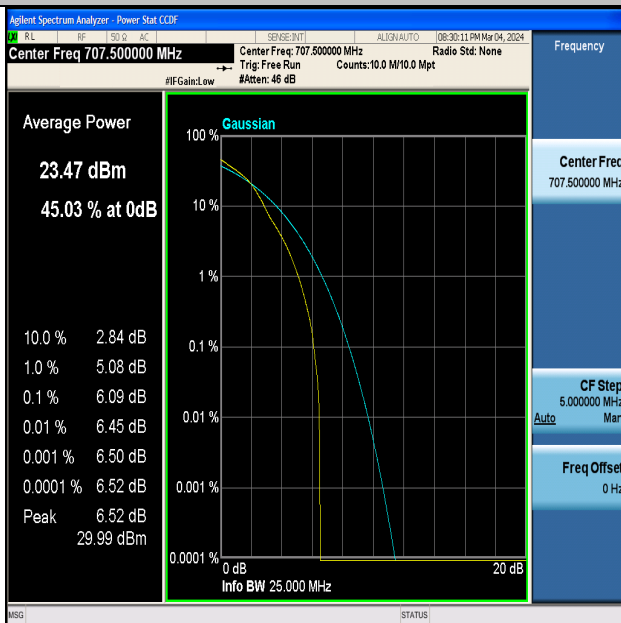
Band12-10MHz-QPSK-23060-50RB#0-PASS



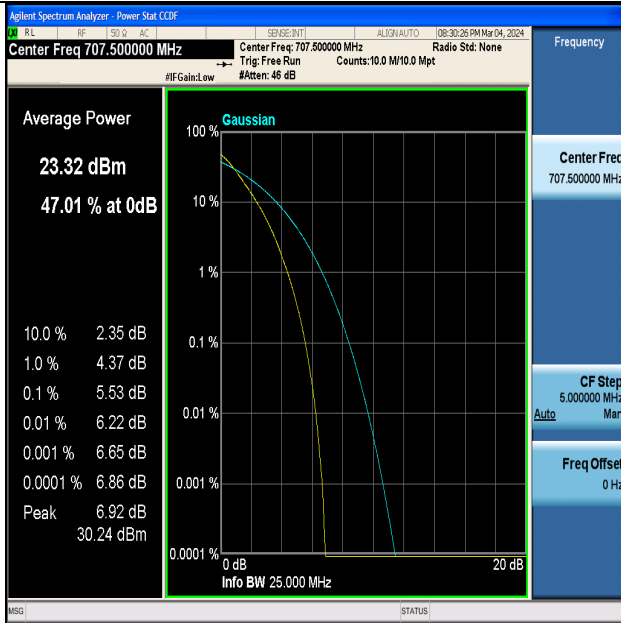
Band12-10MHz-16QAM-23060-50RB#0-PASS



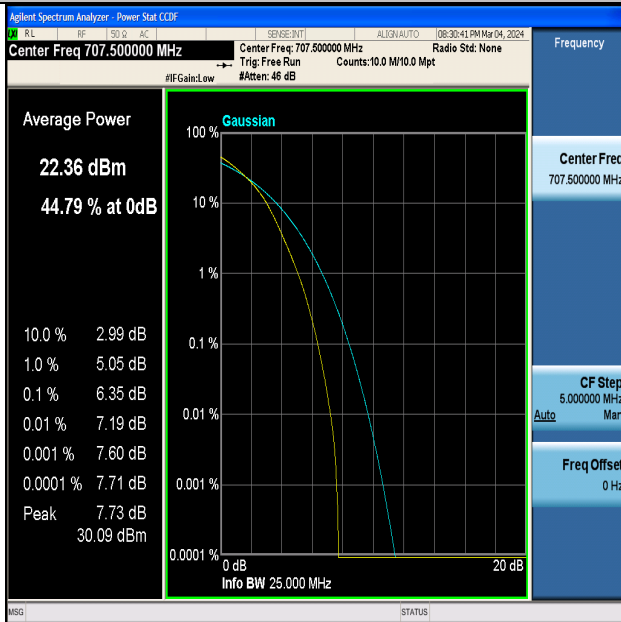
Band12-10MHz-QPSK-23095-1RB#0-PASS



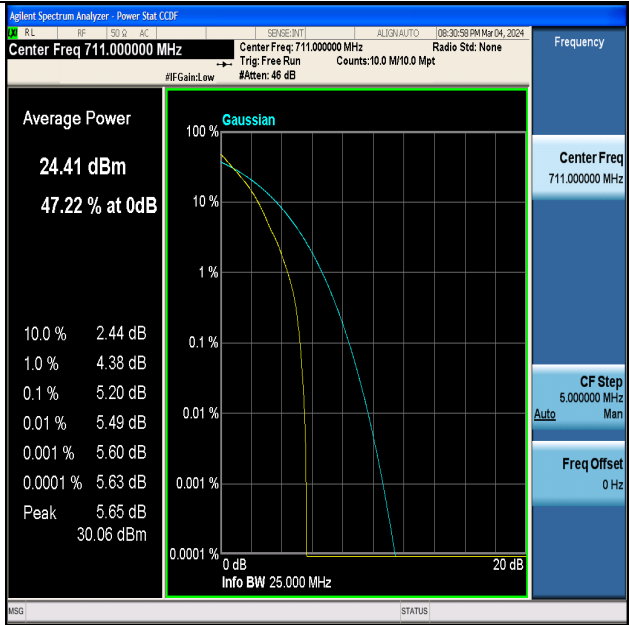
Band12-10MHz-16QAM-23095-1RB#0-PASS



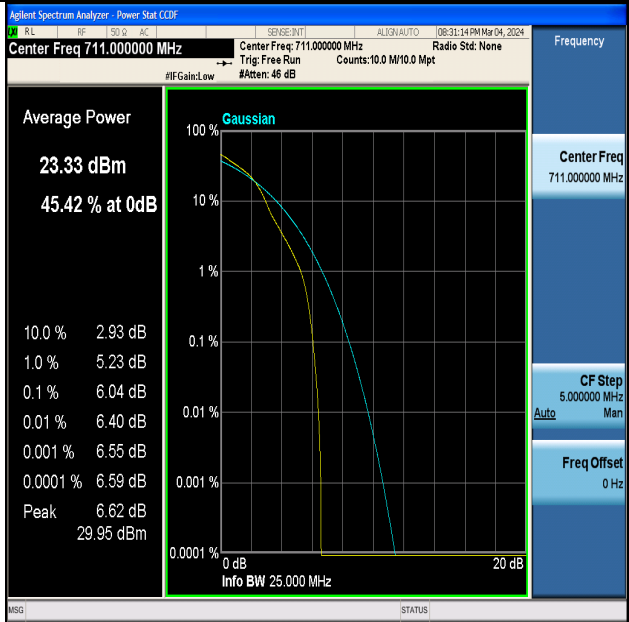
Band12-10MHz-QPSK-23095-50RB#0-PASS



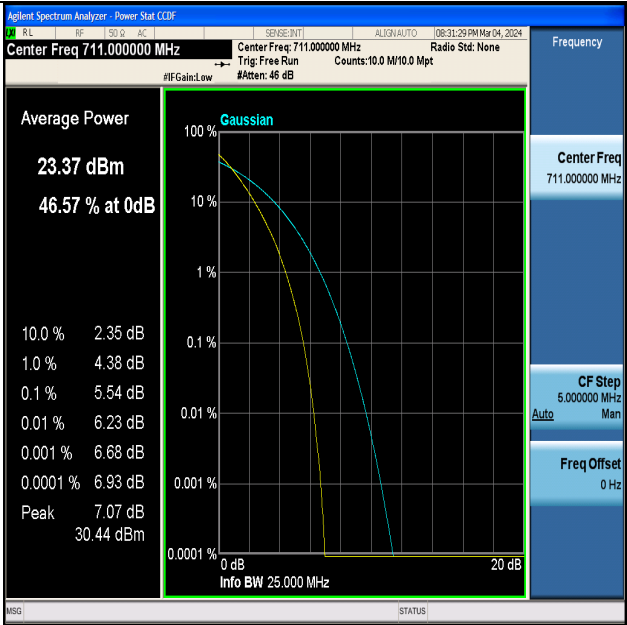
Band12-10MHz-16QAM-23095-50RB#0-PASS



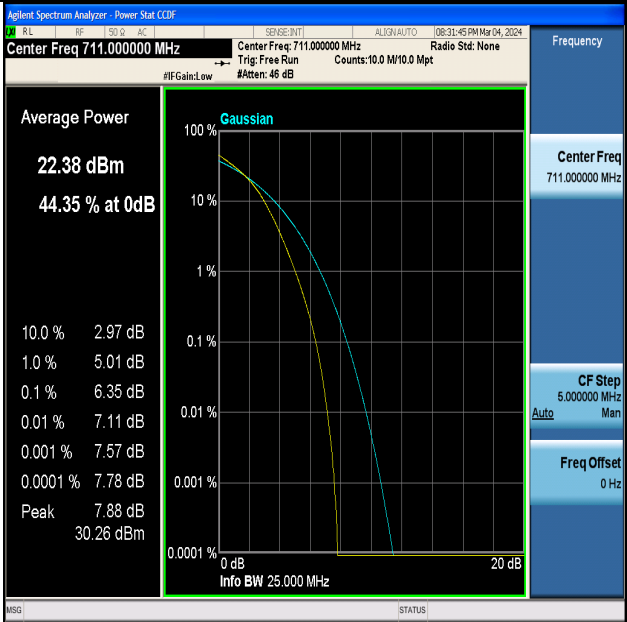
Band12-10MHz-QPSK-23130-1RB#0-PASS



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



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



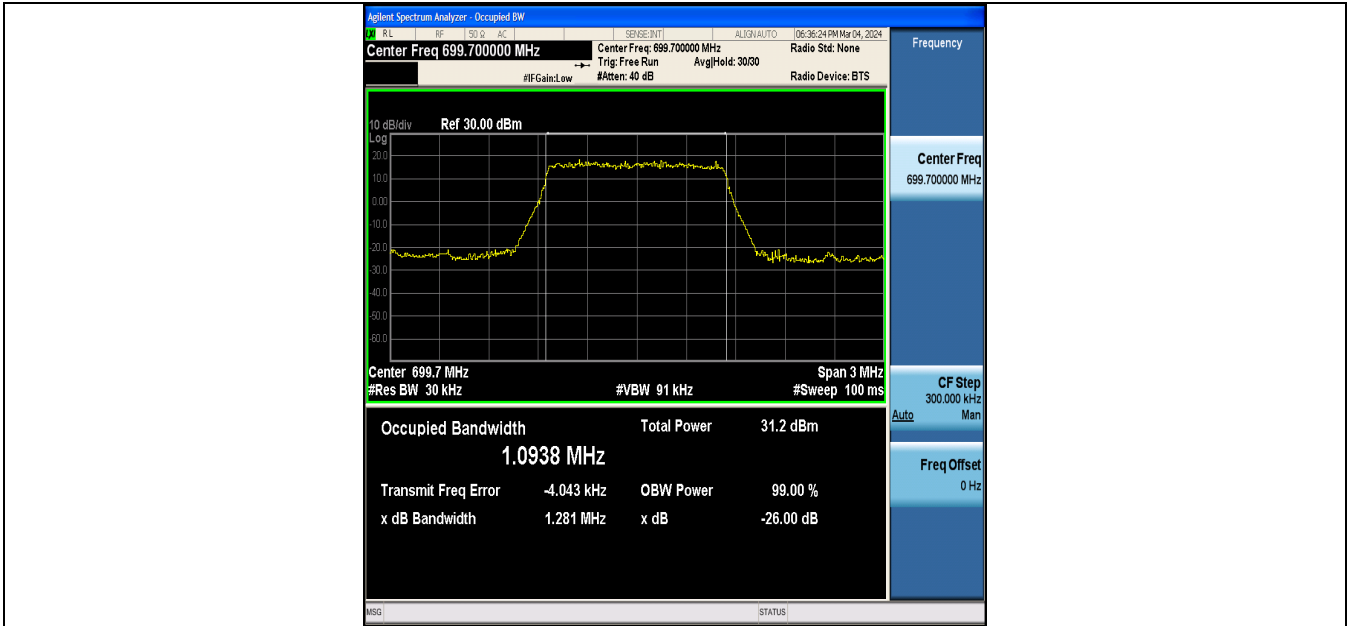
Band12-10MHz-16QAM-23130-50RB#0-PASS

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

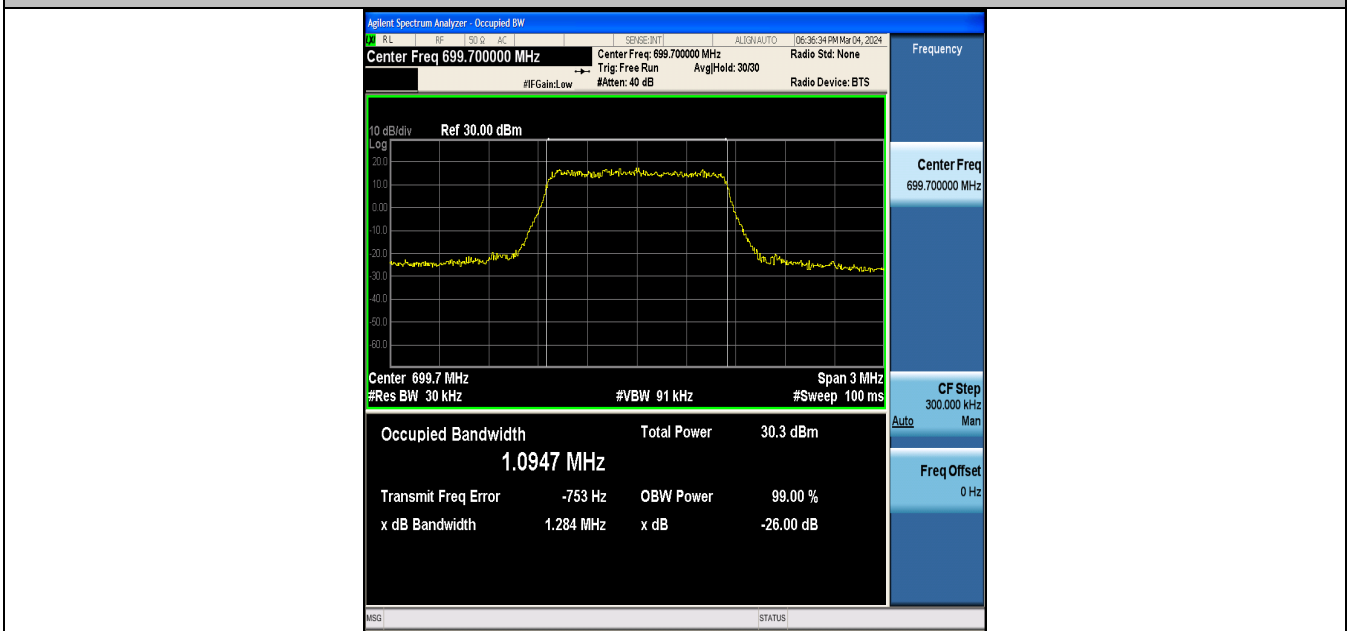
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0938	1.281	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0947	1.284	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0953	1.308	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0885	1.279	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0908	1.288	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0964	1.293	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6851	2.903	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6767	2.893	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6860	2.903	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6874	2.900	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6959	2.890	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6874	2.908	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5227	5.203	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5234	5.130	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5013	5.136	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5198	5.210	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5311	5.188	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5479	5.211	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0483	10.25	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0341	10.16	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9730	9.972	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9710	9.984	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9571	10.01	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9591	9.969	PASS

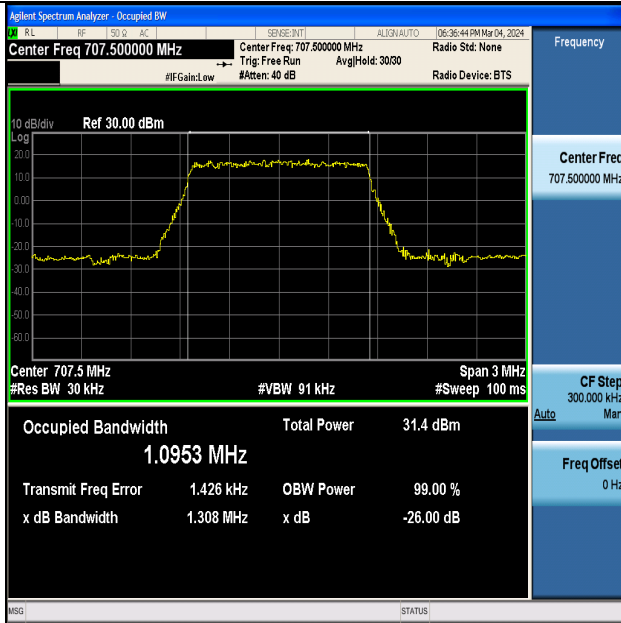
Test Graphs



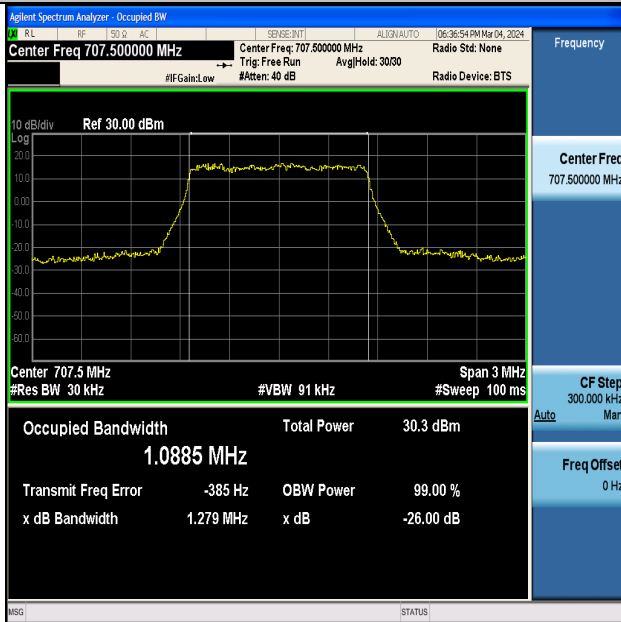
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



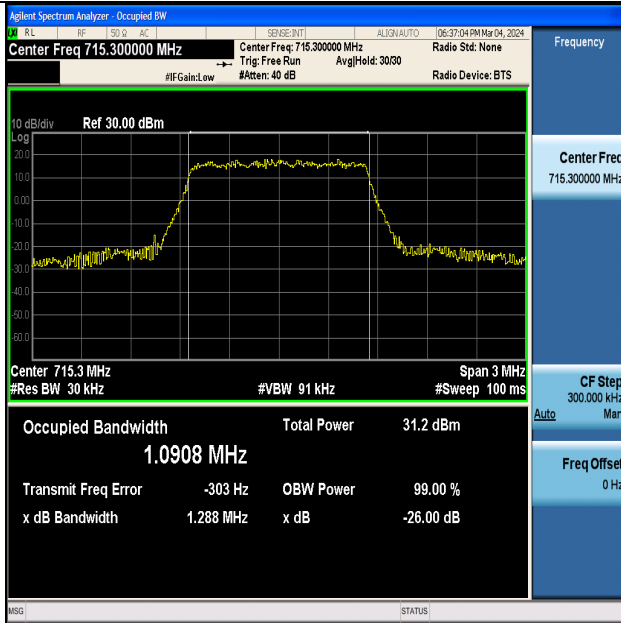
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



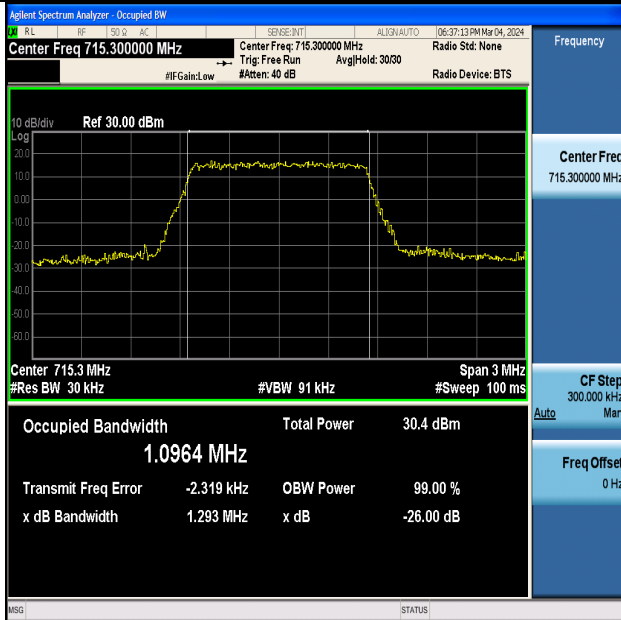
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



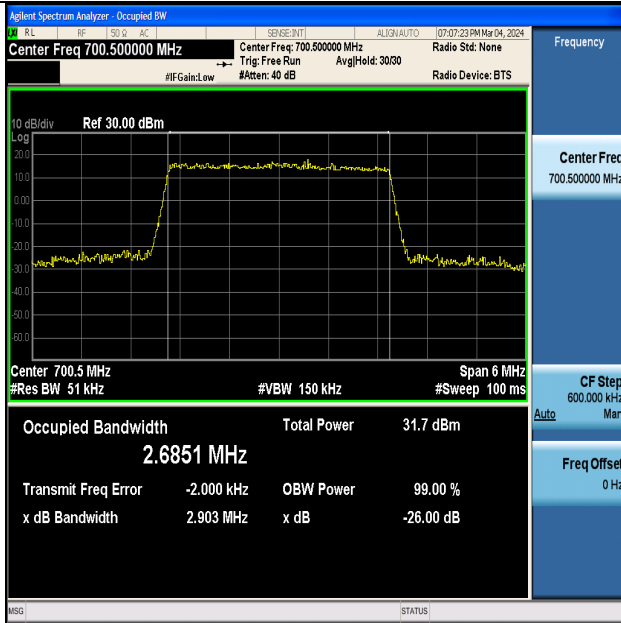
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



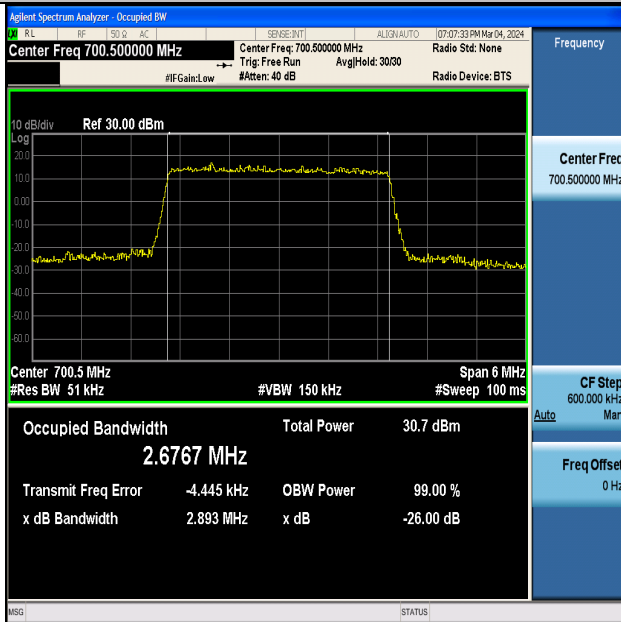
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



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



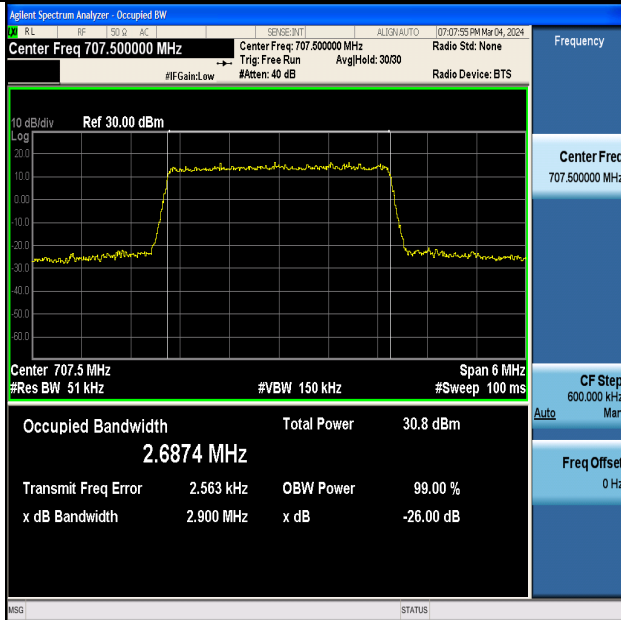
Band12-3MHz-QPSK-23025-15RB#0-PASS



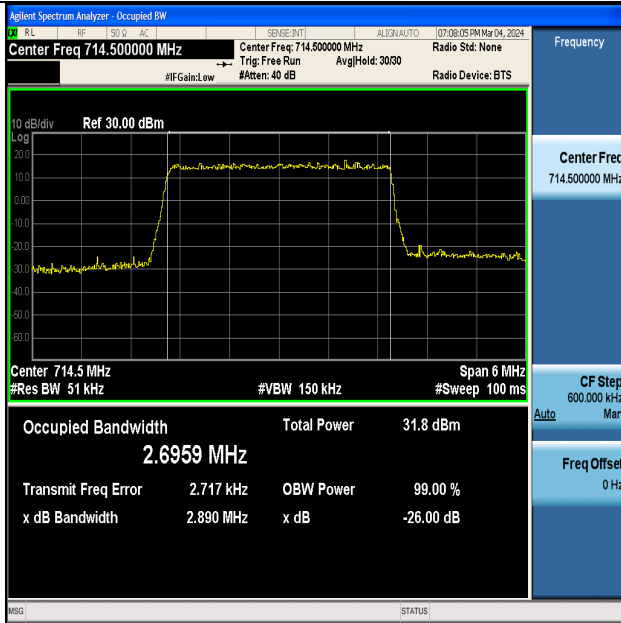
Band12-3MHz-16QAM-23025-15RB#0-PASS



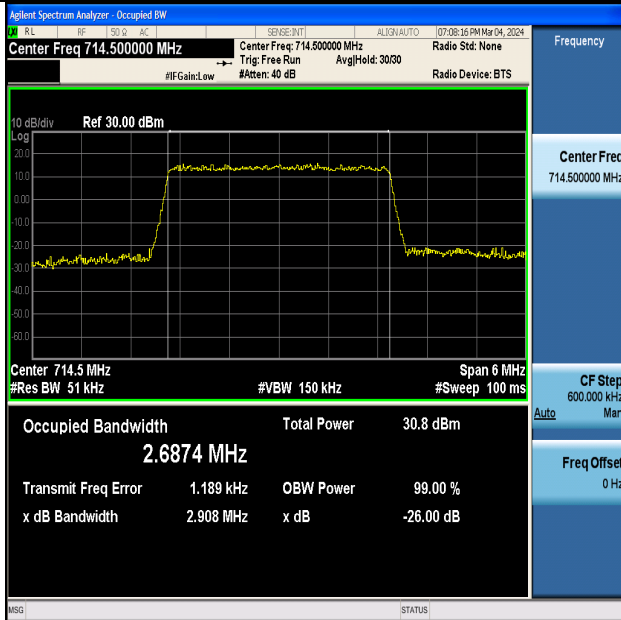
Band12-3MHz-QPSK-23095-15RB#0-PASS



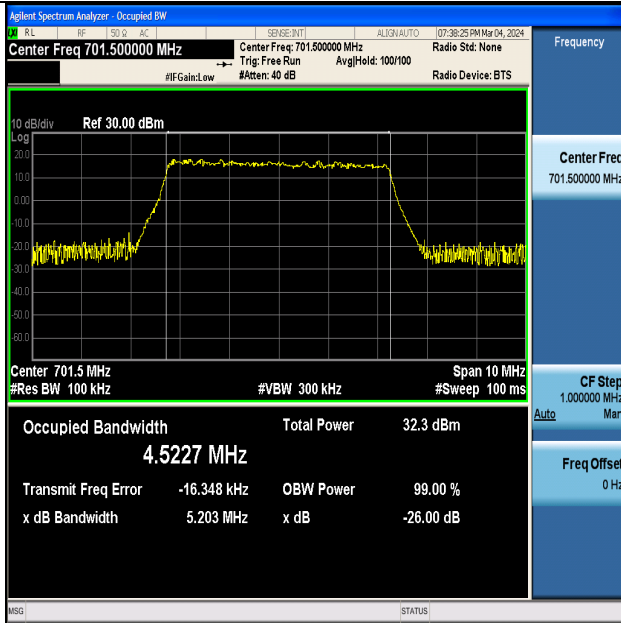
Band12-3MHz-16QAM-23095-15RB#0-PASS



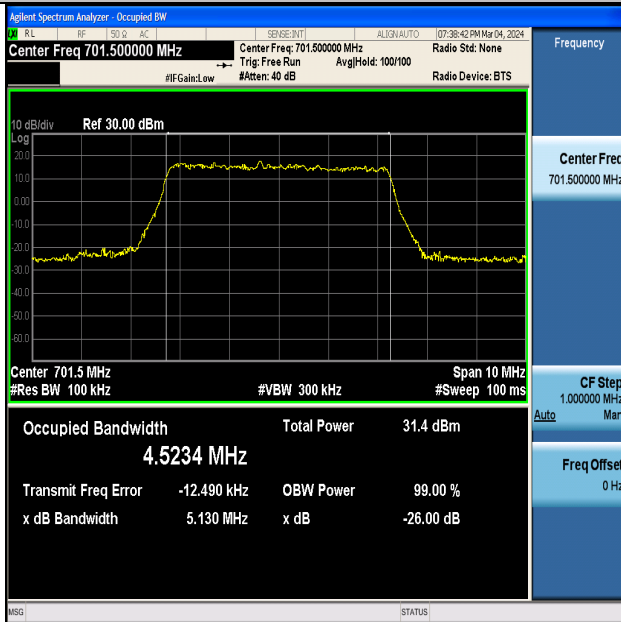
Band12-3MHz-QPSK-23165-15RB#0-PASS



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



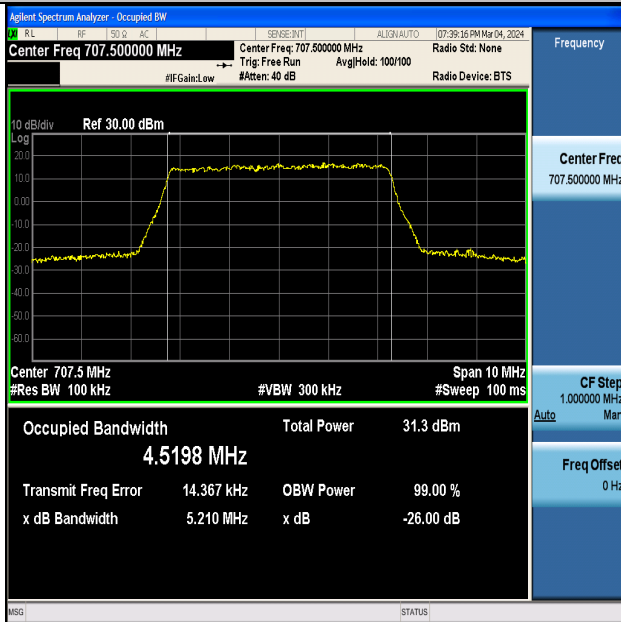
Band12-5MHz-QPSK-23035-25RB#0-PASS



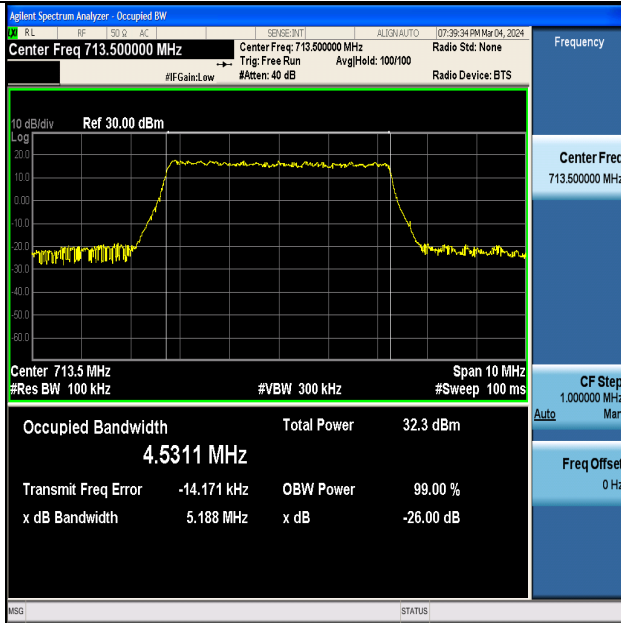
Band12-5MHz-16QAM-23035-25RB#0-PASS



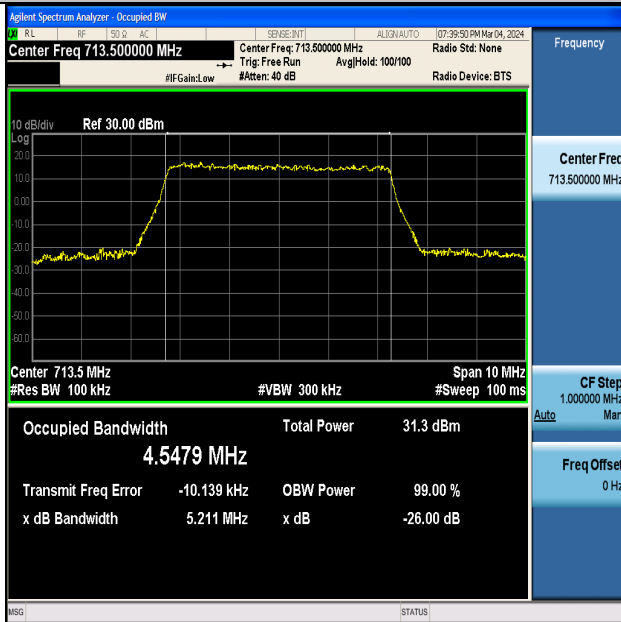
Band12-5MHz-QPSK-23095-25RB#0-PASS



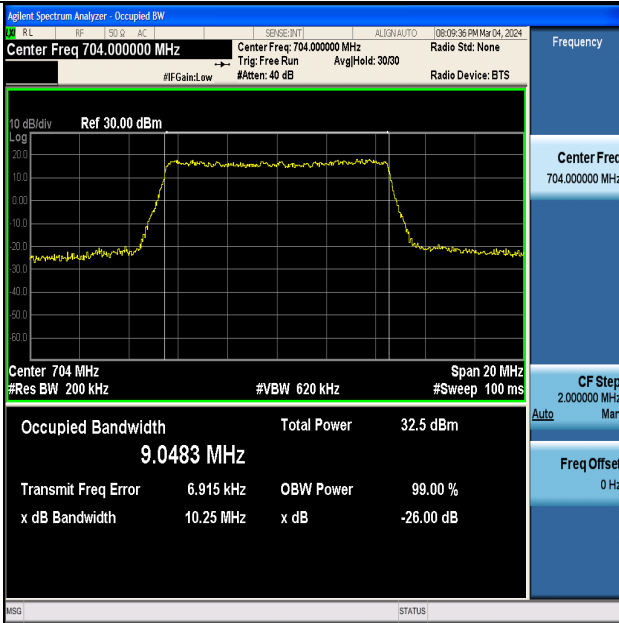
Band12-5MHz-16QAM-23095-25RB#0-PASS



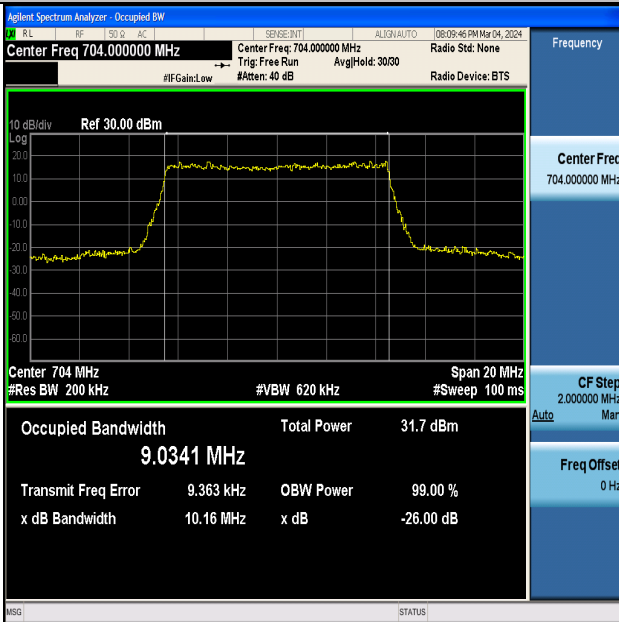
Band12-5MHz-QPSK-23155-25RB#0-PASS



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



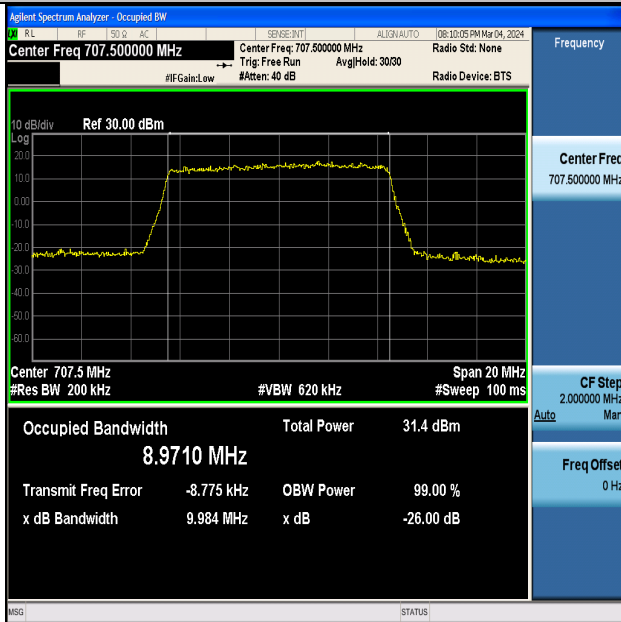
Band12-10MHz-QPSK-23060-50RB#0-PASS



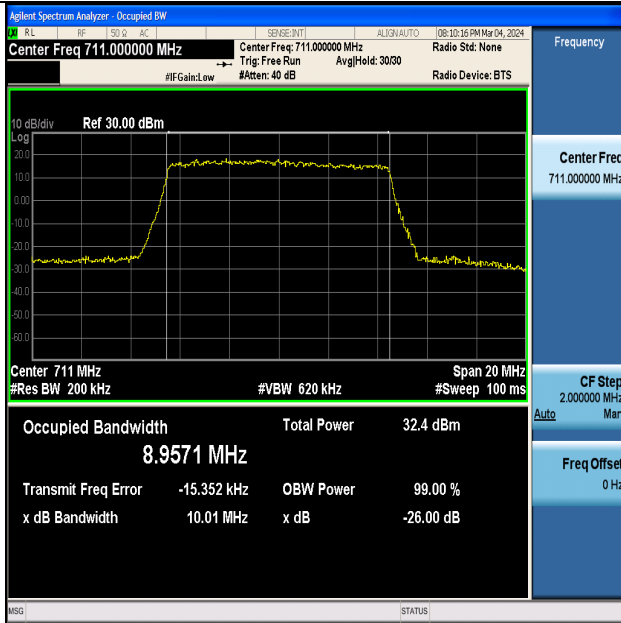
Band12-10MHz-16QAM-23060-50RB#0-PASS



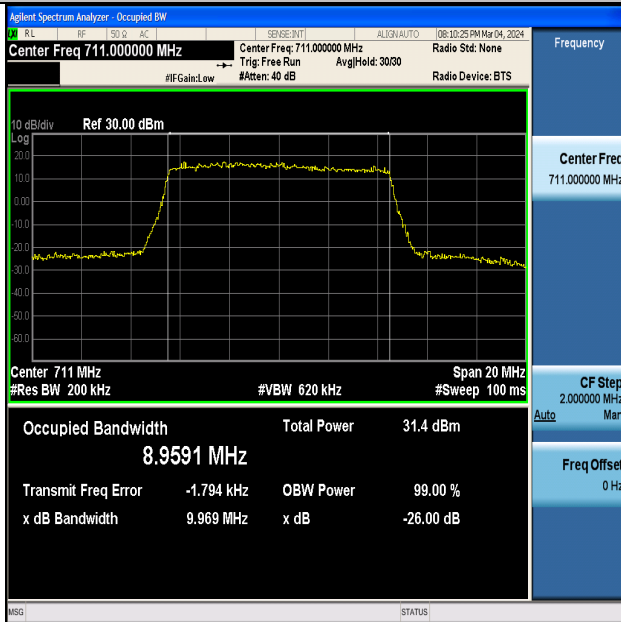
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



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

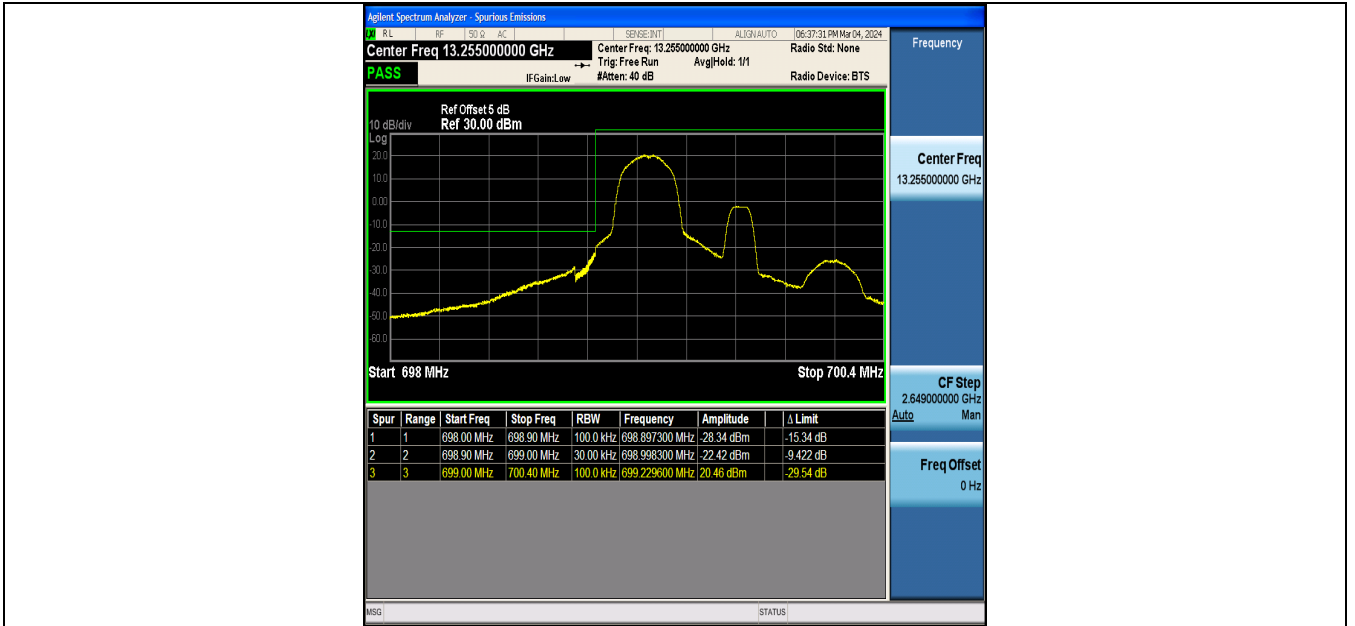
1.4. Appendix D: Band Edge

Test Result

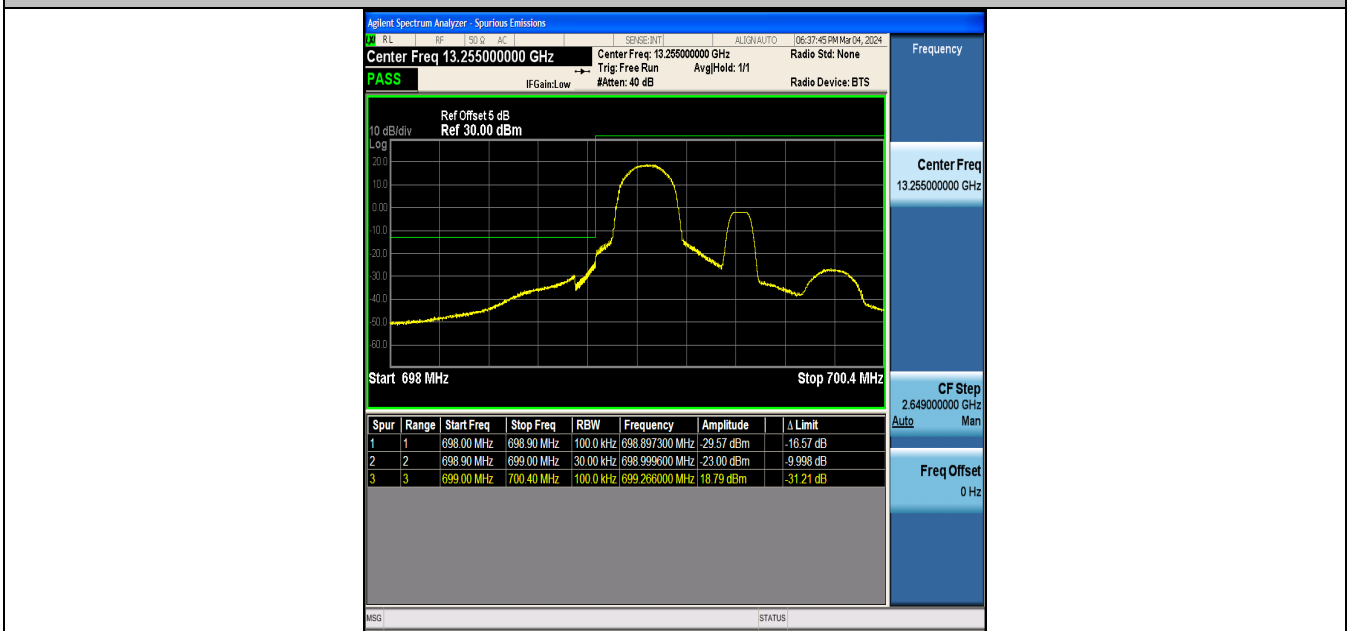
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-22.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-23.00	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-40.03	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-41.03	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-28.46	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-28.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-40.17	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-41.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-23.89	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-23.59	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-29.30	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-29.37	PASS
Band12	3MHz	QPSK	23025	1RB#0	-23.06	PASS
Band12	3MHz	16QAM	23025	1RB#0	-23.85	PASS
Band12	3MHz	QPSK	23025	1RB#14	-44.52	PASS
Band12	3MHz	16QAM	23025	1RB#14	-45.40	PASS
Band12	3MHz	QPSK	23025	15RB#0	-34.12	PASS
Band12	3MHz	16QAM	23025	15RB#0	-32.11	PASS
Band12	3MHz	QPSK	23165	1RB#0	-45.00	PASS
Band12	3MHz	16QAM	23165	1RB#0	-45.94	PASS
Band12	3MHz	QPSK	23165	1RB#14	-24.86	PASS
Band12	3MHz	16QAM	23165	1RB#14	-26.04	PASS
Band12	3MHz	QPSK	23165	15RB#0	-31.54	PASS
Band12	3MHz	16QAM	23165	15RB#0	-32.09	PASS
Band12	5MHz	QPSK	23035	1RB#0	-20.37	PASS
Band12	5MHz	16QAM	23035	1RB#0	-20.97	PASS
Band12	5MHz	QPSK	23035	1RB#24	-45.44	PASS
Band12	5MHz	16QAM	23035	1RB#24	-45.55	PASS
Band12	5MHz	QPSK	23035	25RB#0	-31.51	PASS
Band12	5MHz	16QAM	23035	25RB#0	-32.06	PASS
Band12	5MHz	QPSK	23155	1RB#0	-48.01	PASS
Band12	5MHz	16QAM	23155	1RB#0	-48.25	PASS
Band12	5MHz	QPSK	23155	1RB#24	-19.64	PASS

Band12	5MHz	16QAM	23155	1RB#24	-20.91	PASS
Band12	5MHz	QPSK	23155	25RB#0	-31.92	PASS
Band12	5MHz	16QAM	23155	25RB#0	-32.39	PASS
Band12	10MHz	QPSK	23060	1RB#0	-26.53	PASS
Band12	10MHz	16QAM	23060	1RB#0	-27.10	PASS
Band12	10MHz	QPSK	23060	1RB#49	-49.85	PASS
Band12	10MHz	16QAM	23060	1RB#49	-49.87	PASS
Band12	10MHz	QPSK	23060	50RB#0	-36.68	PASS
Band12	10MHz	16QAM	23060	50RB#0	-35.23	PASS
Band12	10MHz	QPSK	23130	1RB#0	-50.40	PASS
Band12	10MHz	16QAM	23130	1RB#0	-50.45	PASS
Band12	10MHz	QPSK	23130	1RB#49	-26.59	PASS
Band12	10MHz	16QAM	23130	1RB#49	-26.70	PASS
Band12	10MHz	QPSK	23130	50RB#0	-39.32	PASS
Band12	10MHz	16QAM	23130	50RB#0	-37.74	PASS

Test Graphs



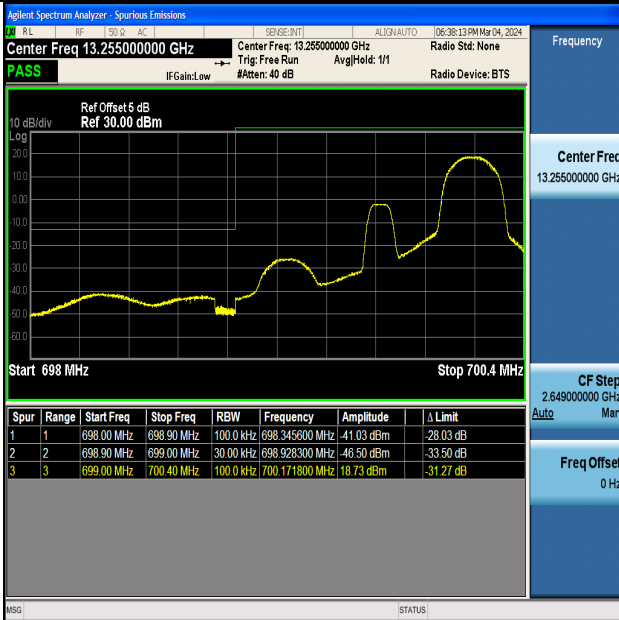
Band12_1.4MHz_QPSK_23017_1RB#0



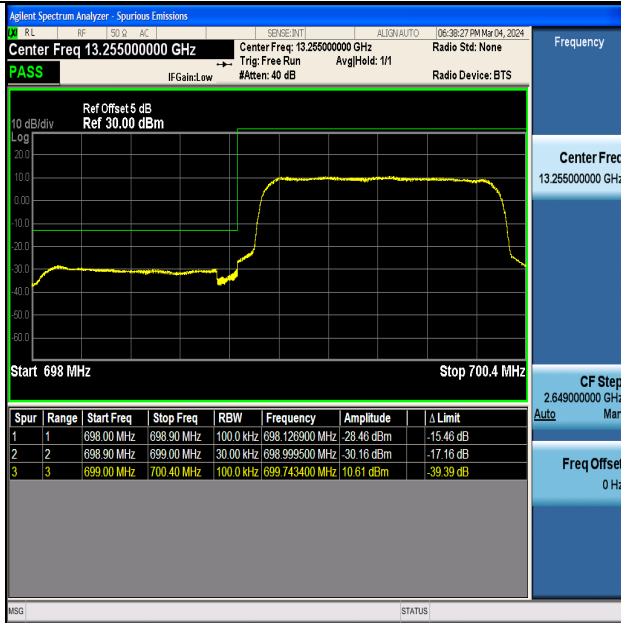
Band12_1.4MHz_16QAM_23017_1RB#0



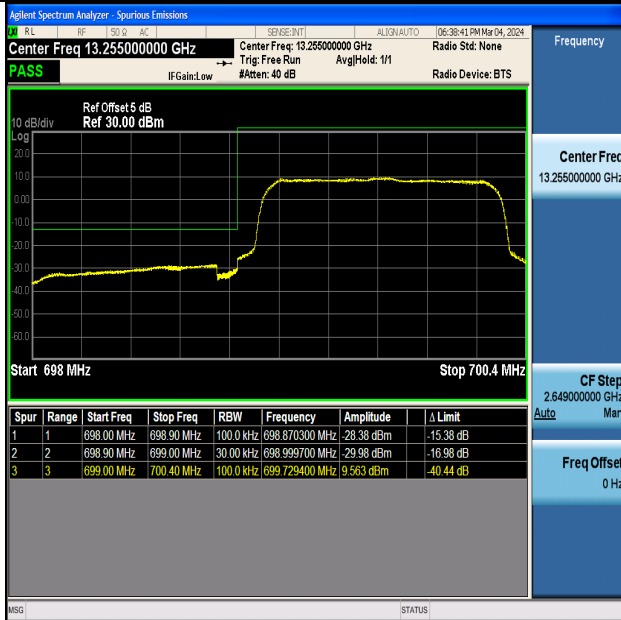
Band12_1.4MHz_QPSK_23017_1RB#5



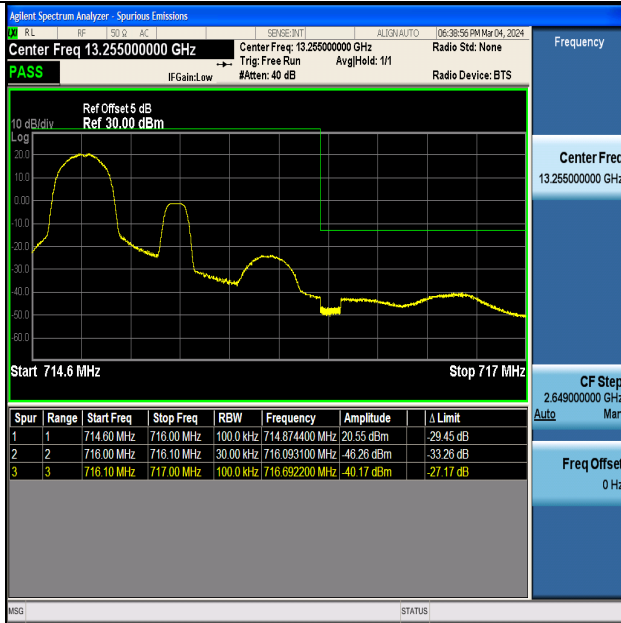
Band12_1.4MHz_16QAM_23017_1RB#5



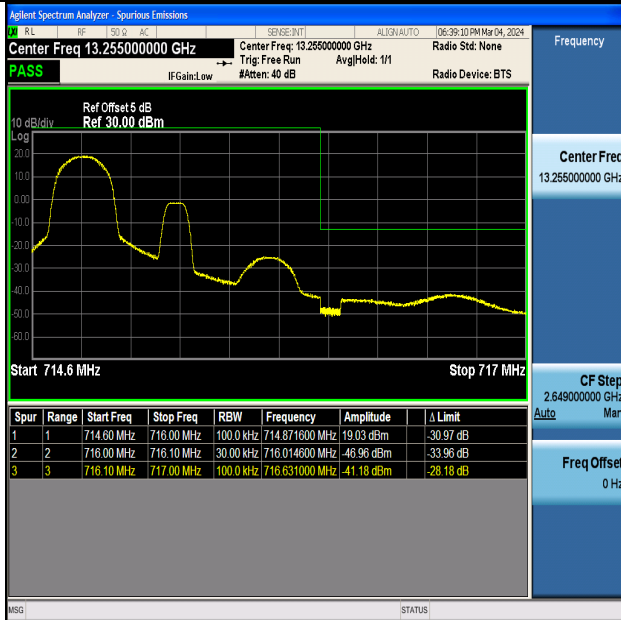
Band12_1.4MHz_QPSK_23017_6RB#0



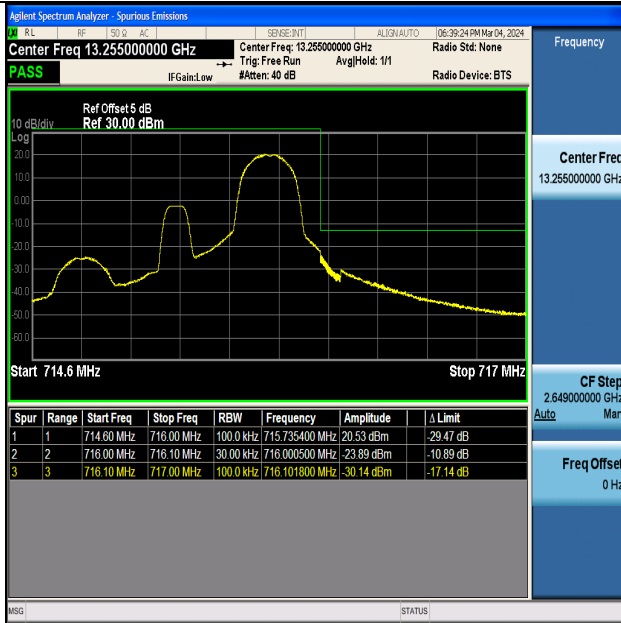
Band12_1.4MHz_16QAM_23017_6RB#0



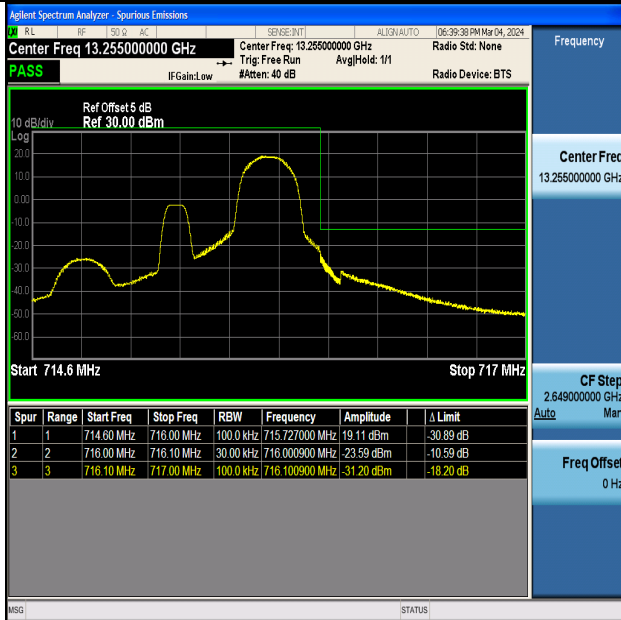
Band12_1.4MHz_QPSK_23173_1RB#0



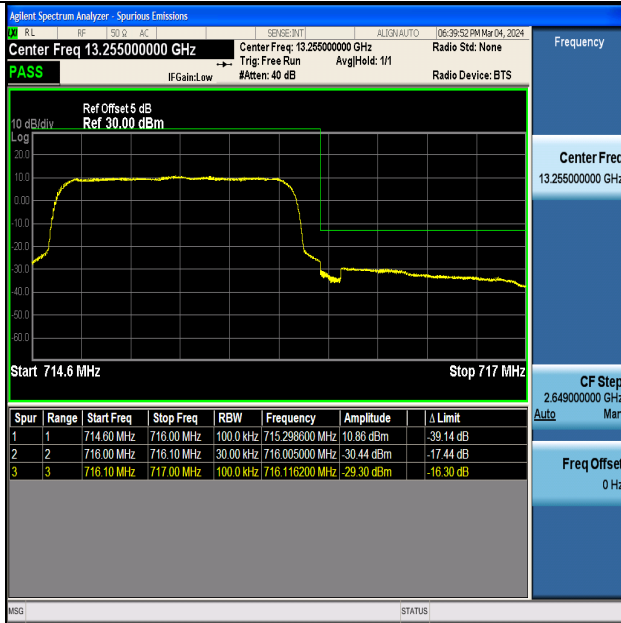
Band12_1.4MHz_16QAM_23173_1RB#0



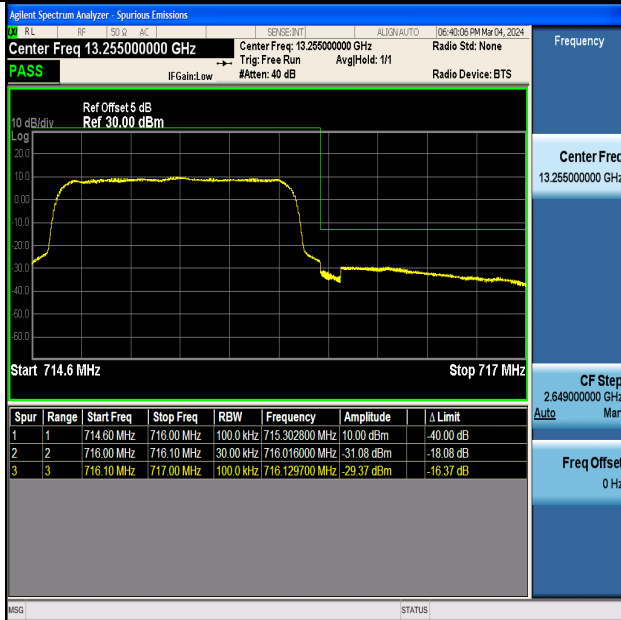
Band12_1.4MHz_QPSK_23173_1RB#5



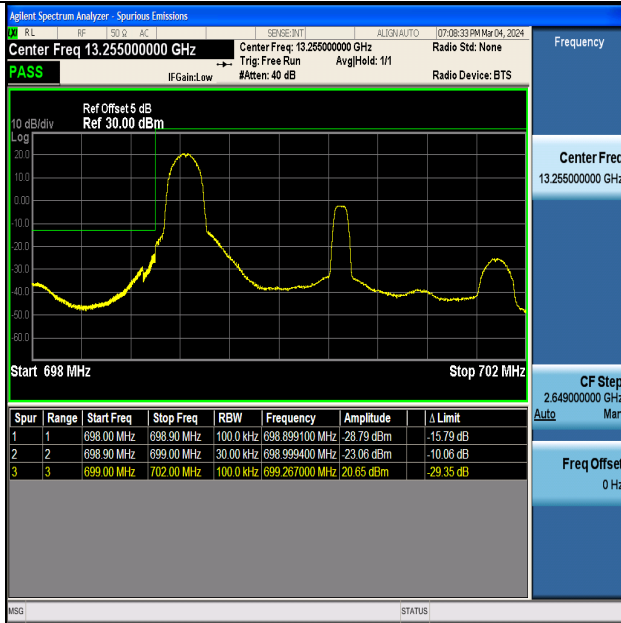
Band12_1.4MHz_16QAM_23173_1RB#5



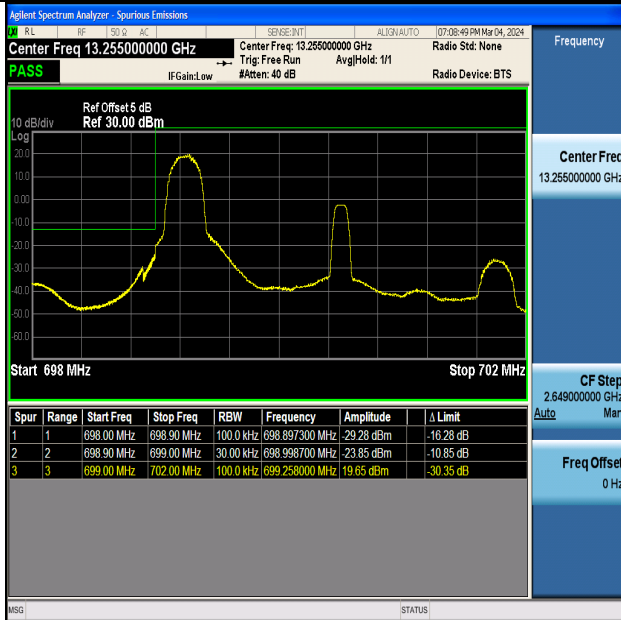
Band12_1.4MHz_QPSK_23173_6RB#0



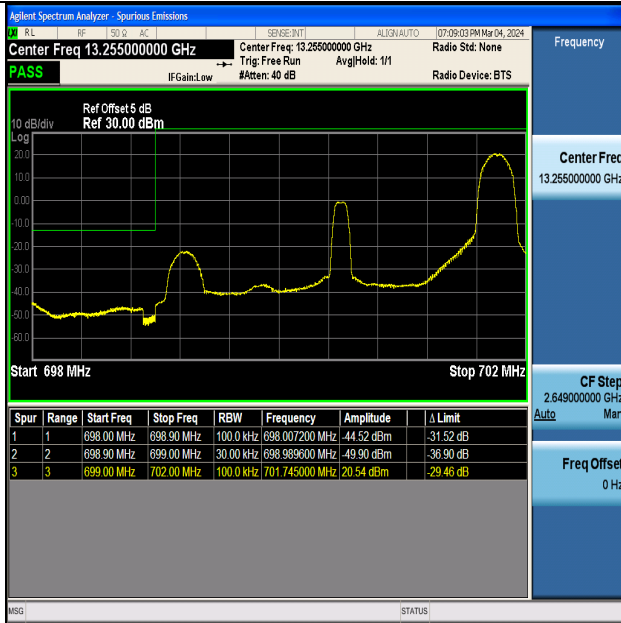
Band12_1.4MHz_16QAM_23173_6RB#0



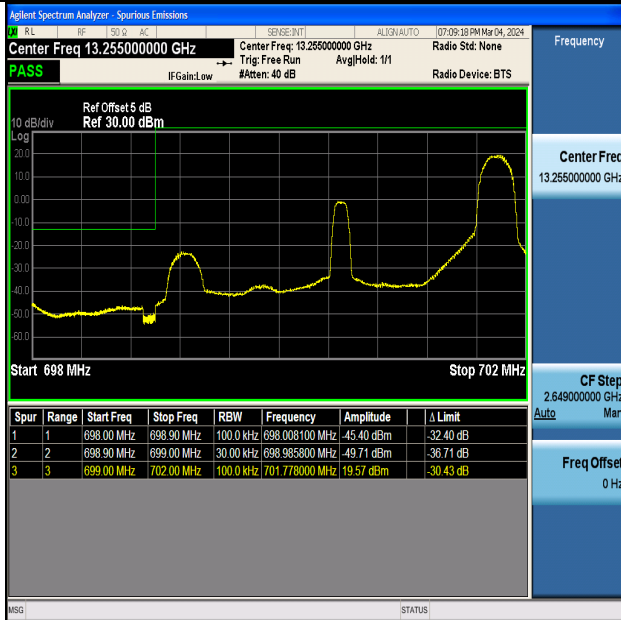
Band12_3MHz_QPSK_23025_1RB#0



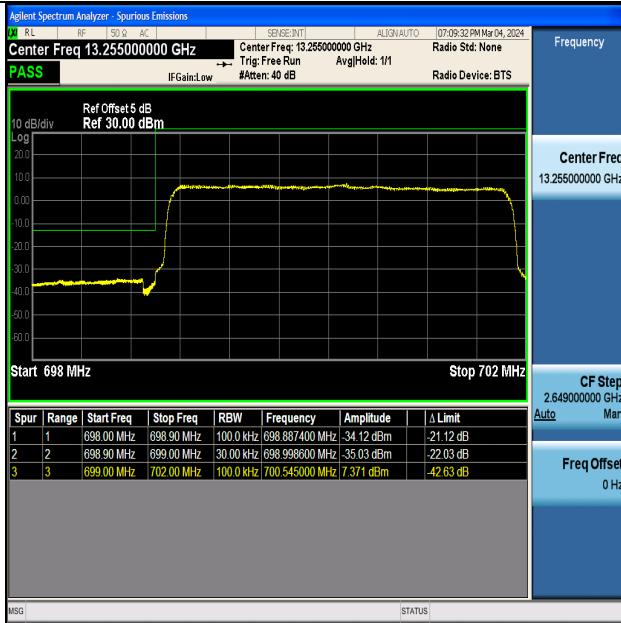
Band12_3MHz_16QAM_23025_1RB#0



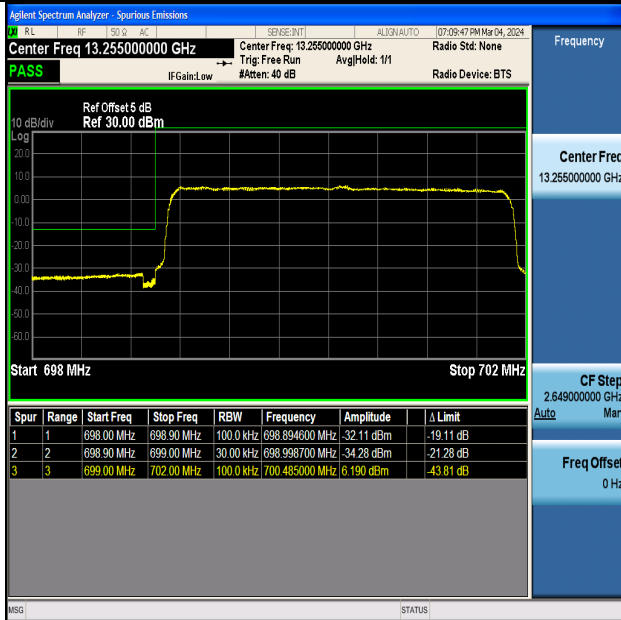
Band12_3MHz_QPSK_23025_1RB#14



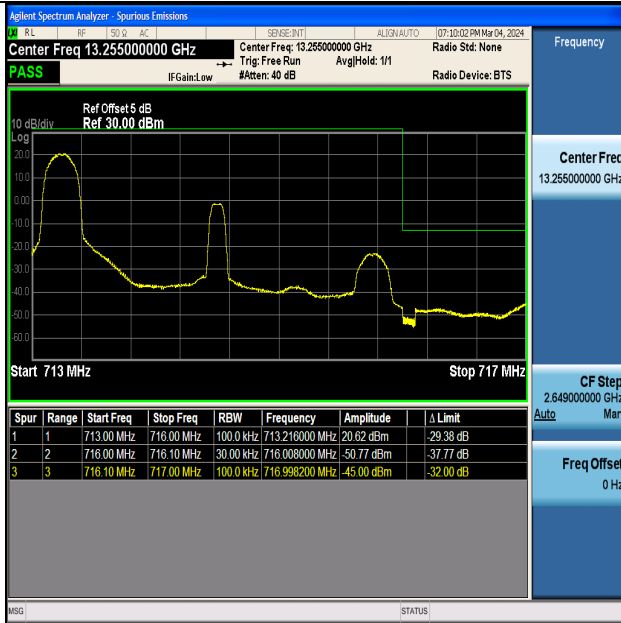
Band12_3MHz_16QAM_23025_1RB#14



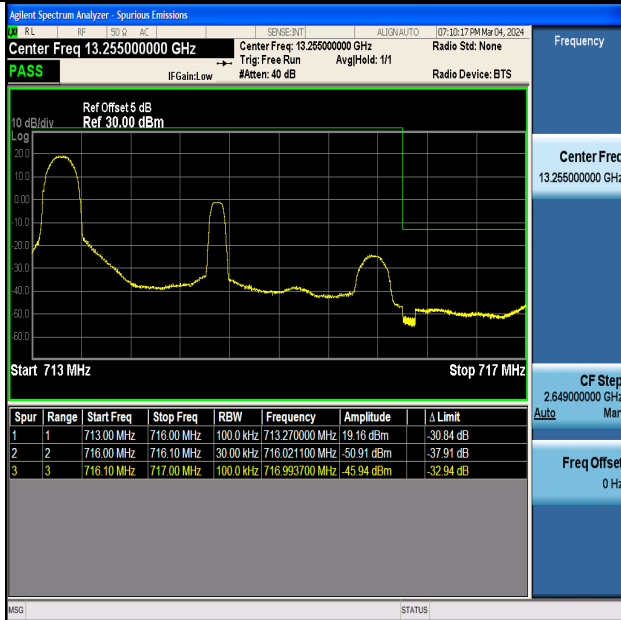
Band12_3MHz_QPSK_23025_15RB#0



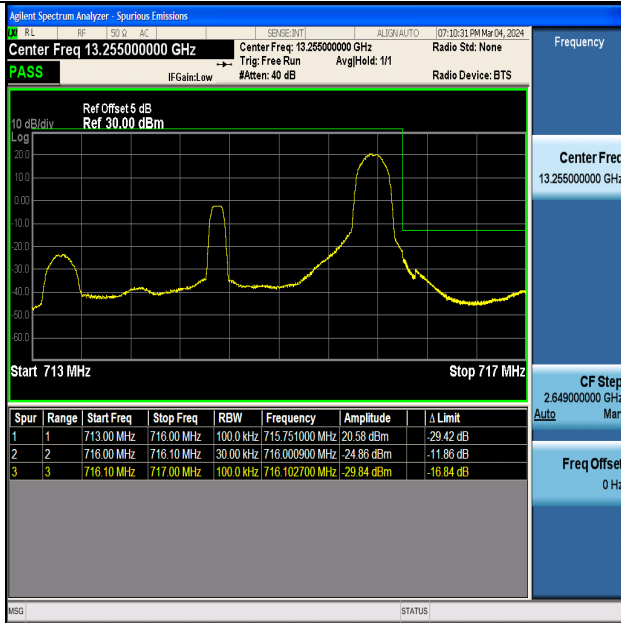
Band12_3MHz_16QAM_23025_15RB#0



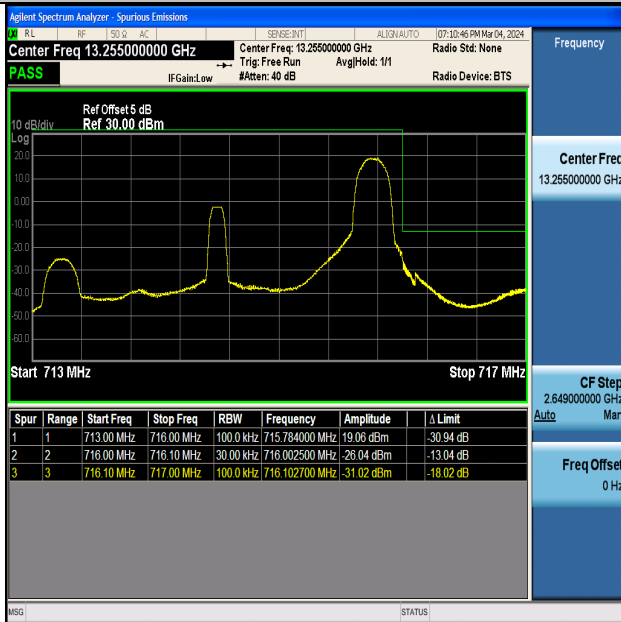
Band12_3MHz_QPSK_23165_1RB#0



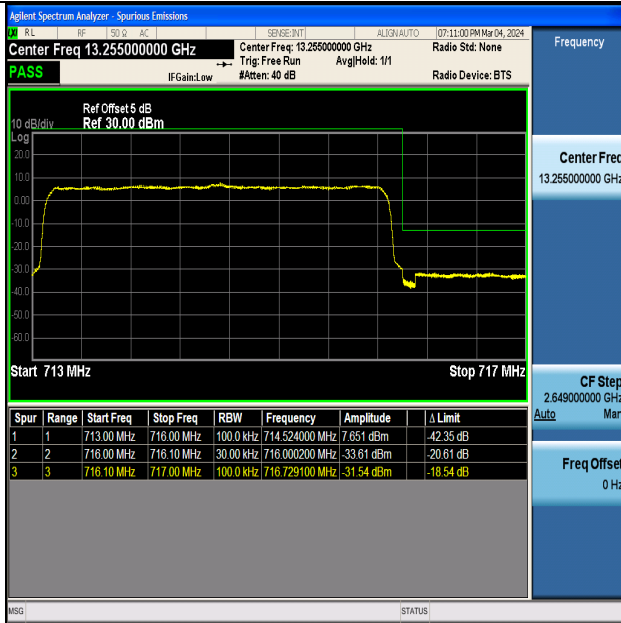
Band12_3MHz_16QAM_23165_1RB#0



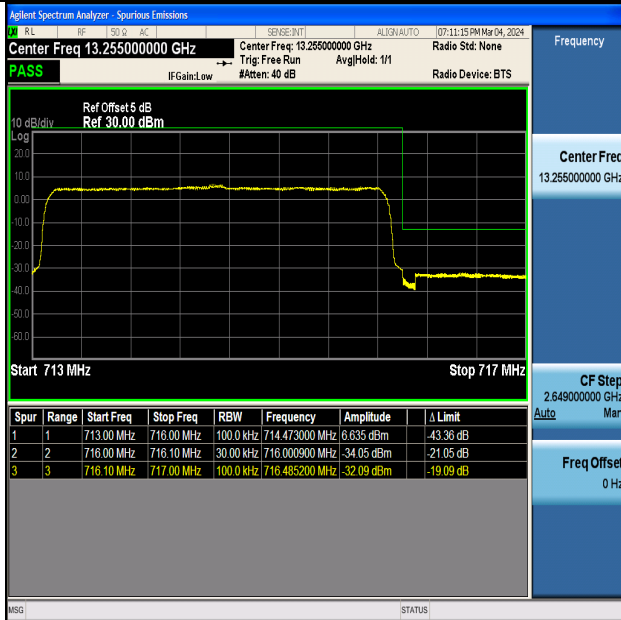
Band12_3MHz_QPSK_23165_1RB#14



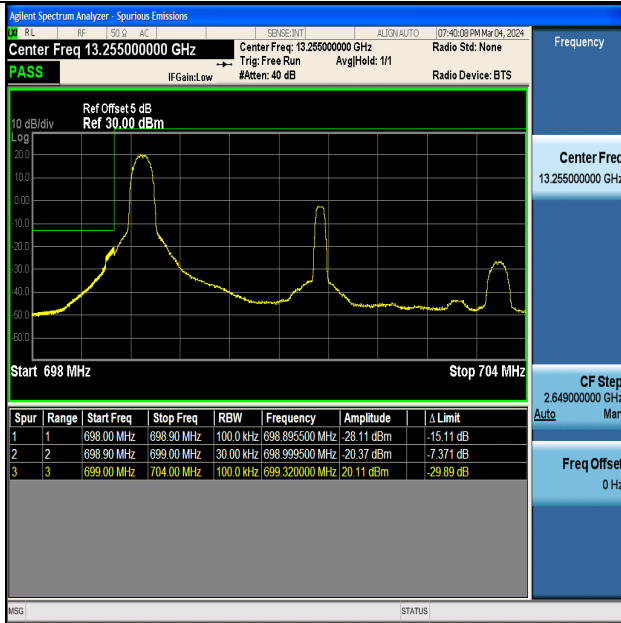
Band12_3MHz_16QAM_23165_1RB#14



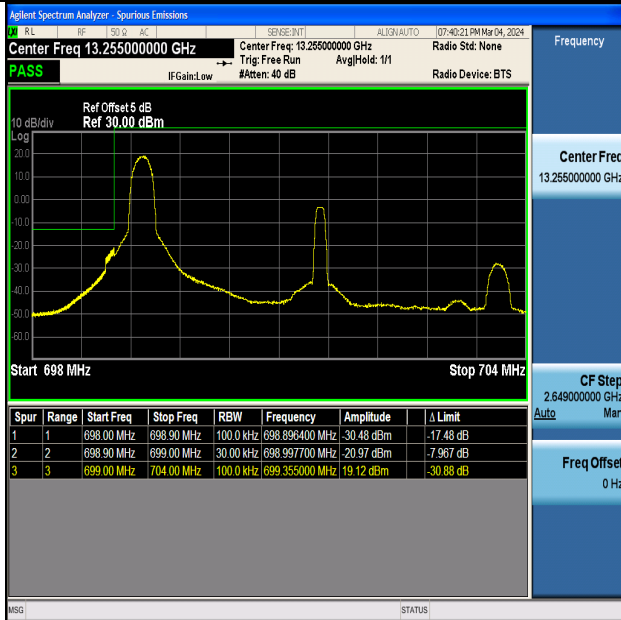
Band12_3MHz_QPSK_23165_15RB#0



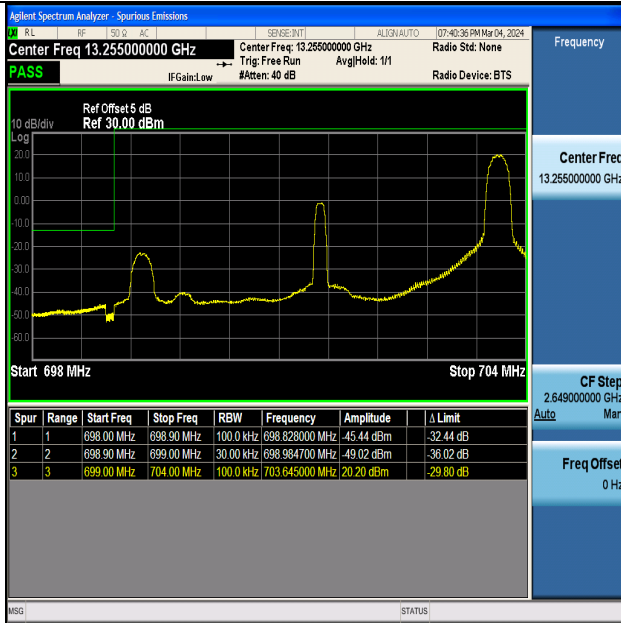
Band12_3MHz_16QAM_23165_15RB#0



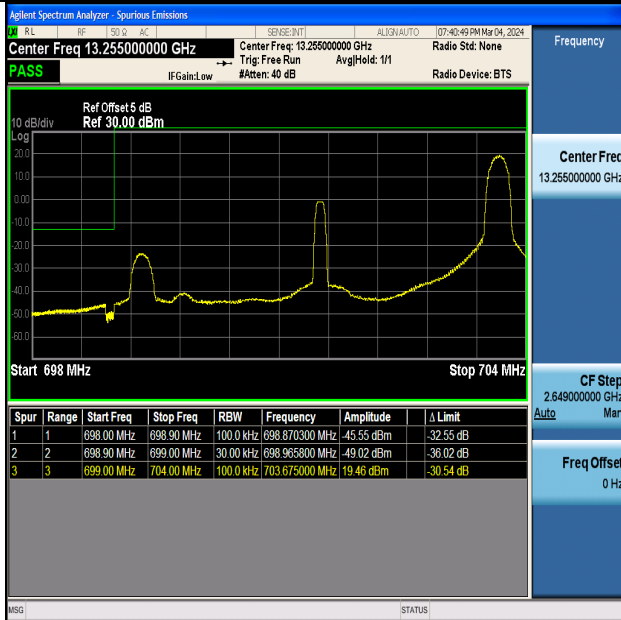
Band12_5MHz_QPSK_23035_1RB#0



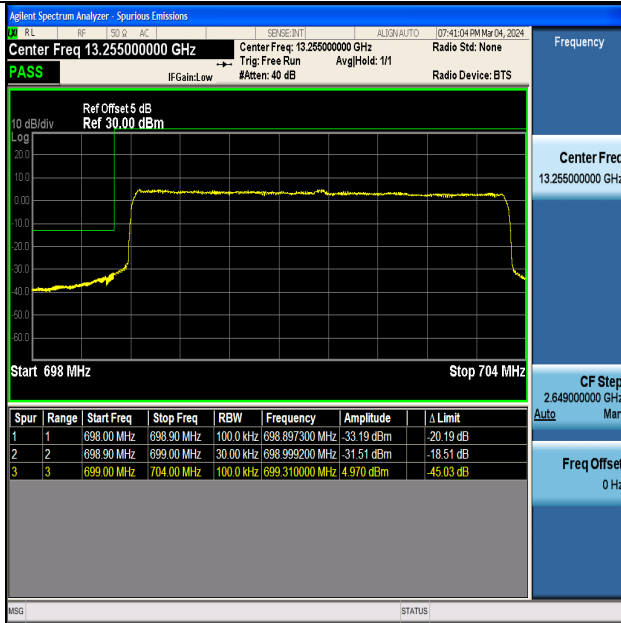
Band12_5MHz_16QAM_23035_1RB#0



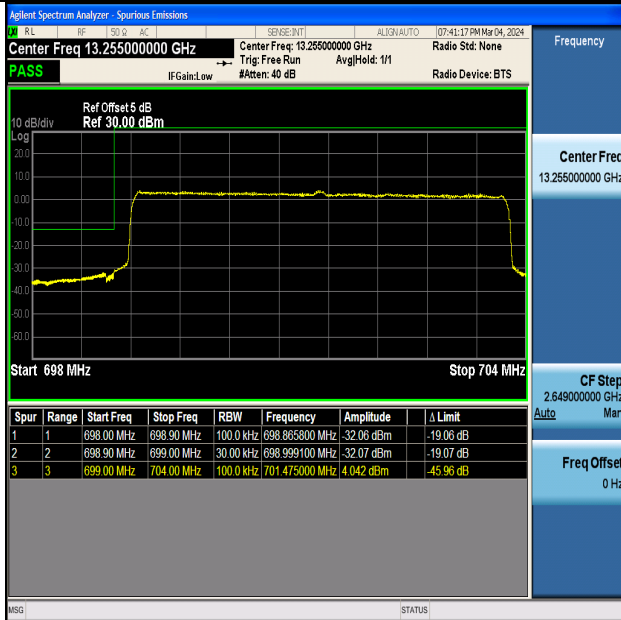
Band12_5MHz_QPSK_23035_1RB#24



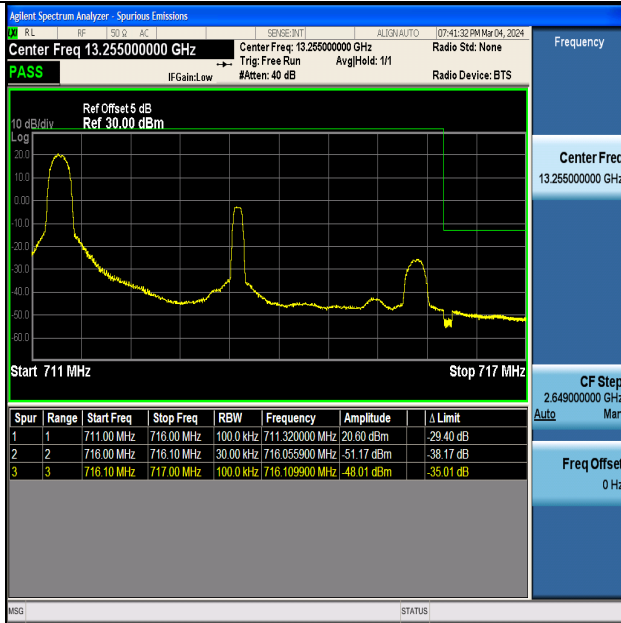
Band12_5MHz_16QAM_23035_1RB#24



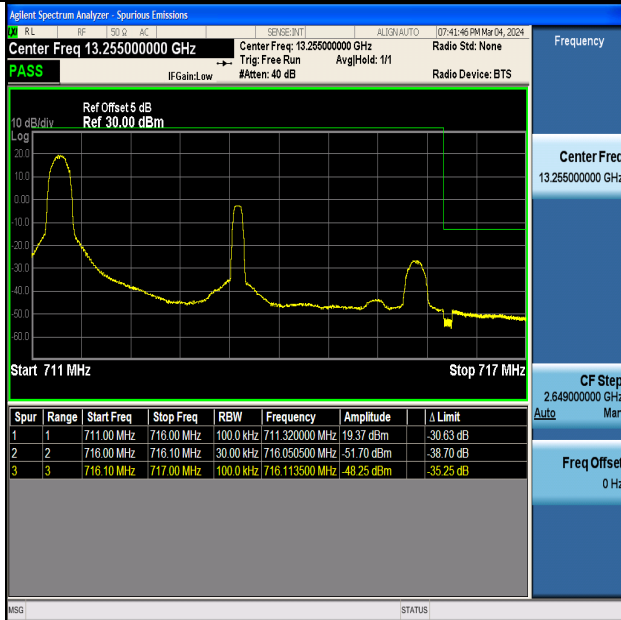
Band12_5MHz_QPSK_23035_25RB#0



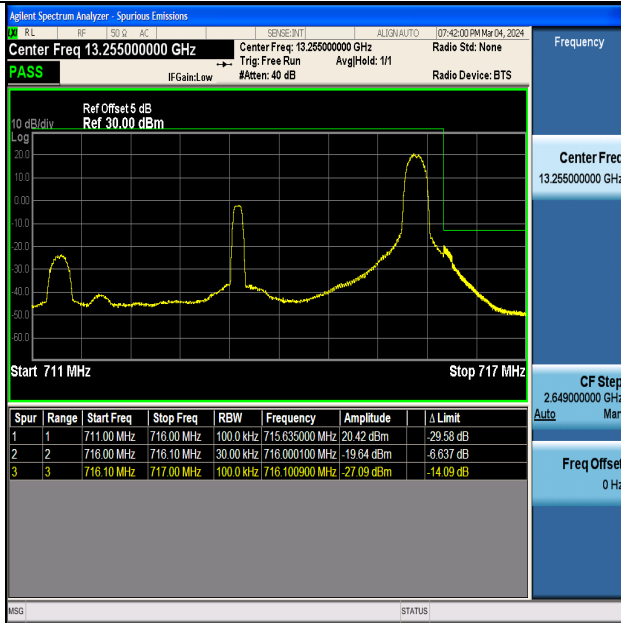
Band12_5MHz_16QAM_23035_25RB#0



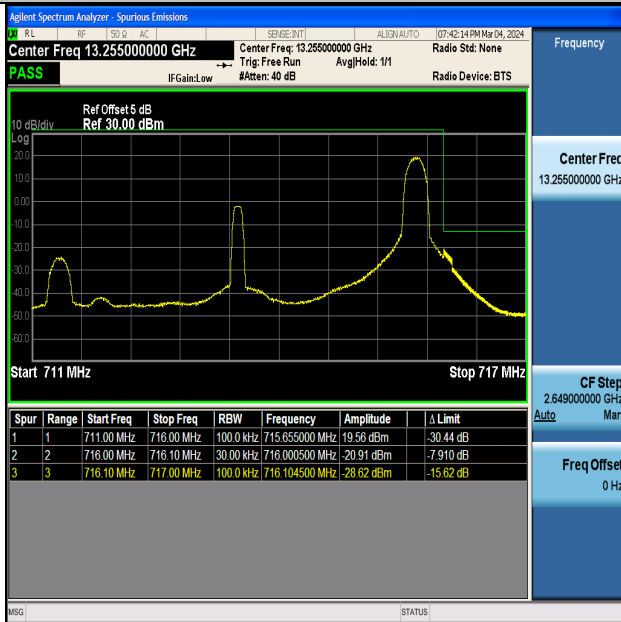
Band12_5MHz_QPSK_23155_1RB#0



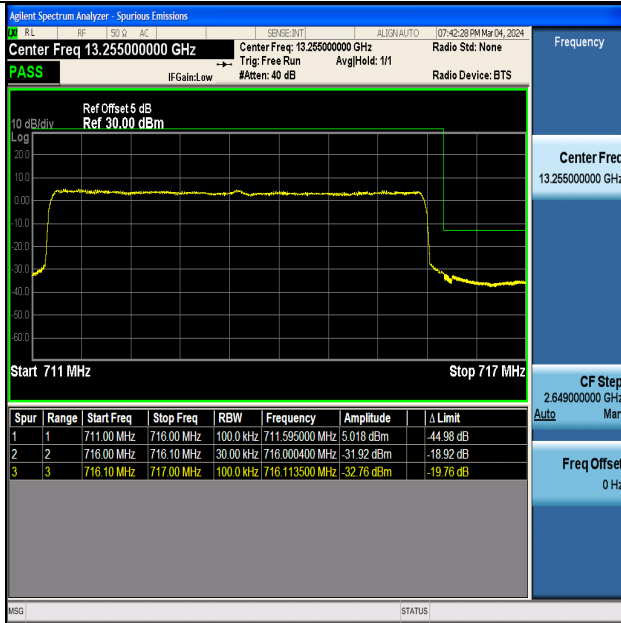
Band12_5MHz_16QAM_23155_1RB#0



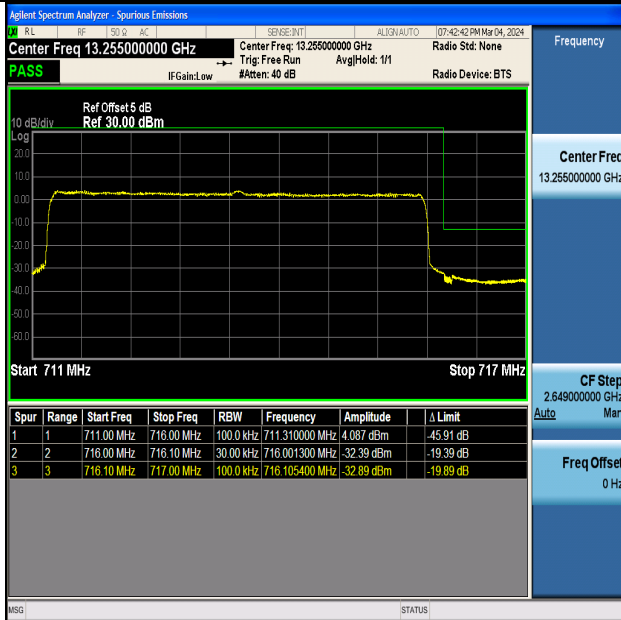
Band12_5MHz_QPSK_23155_1RB#24



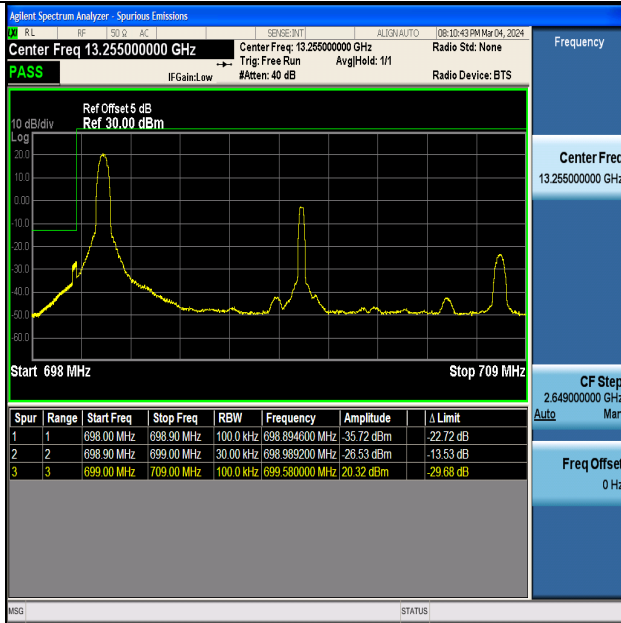
Band12_5MHz_16QAM_23155_1RB#24



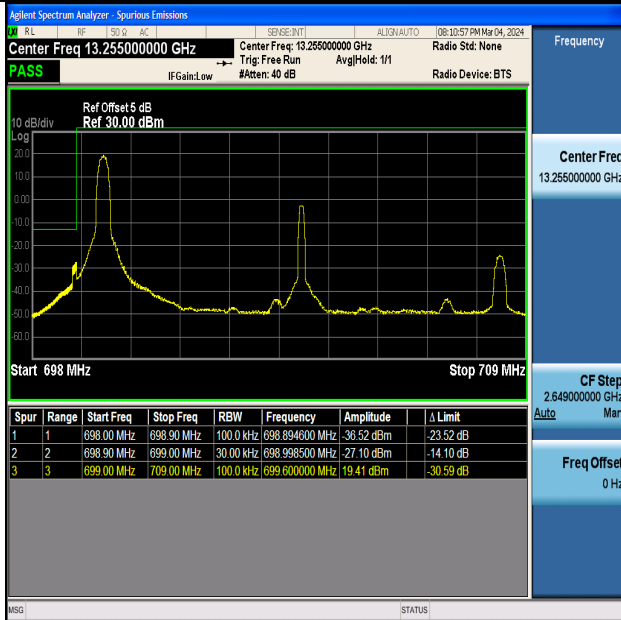
Band12_5MHz_QPSK_23155_25RB#0



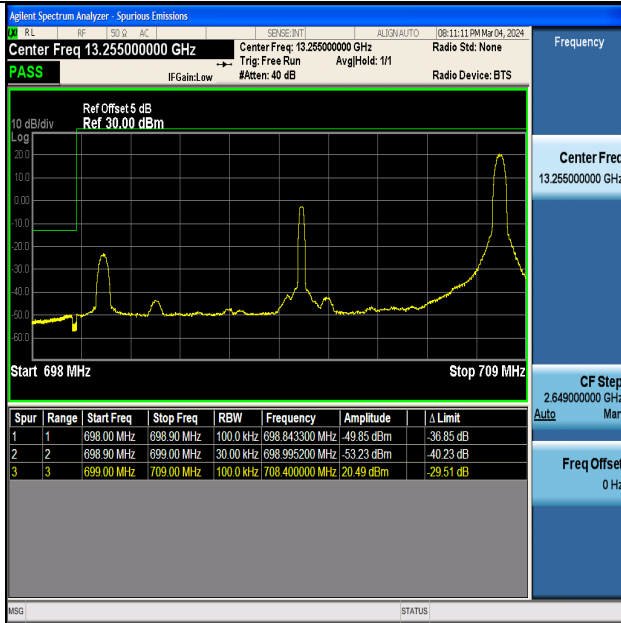
Band12_5MHz_16QAM_23155_25RB#0



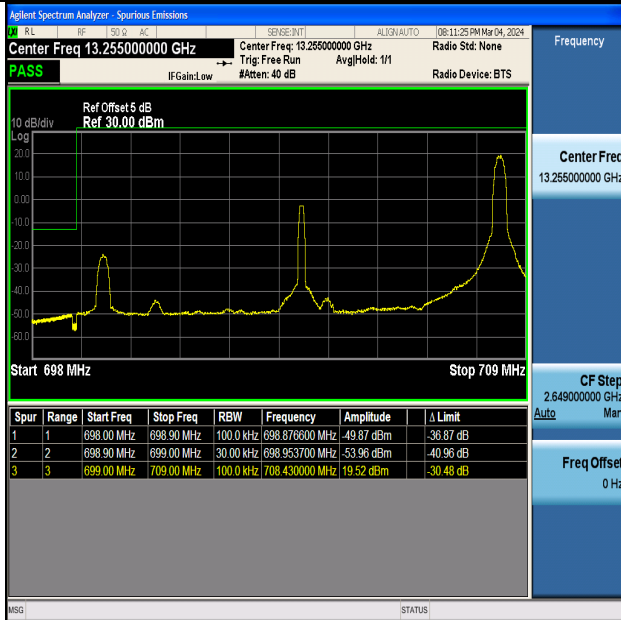
Band12_10MHz_QPSK_23060_1RB#0



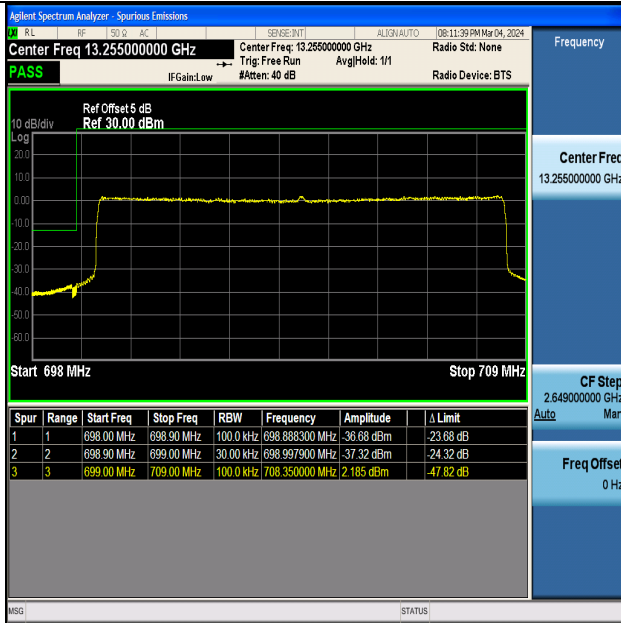
Band12_10MHz_16QAM_23060_1RB#0



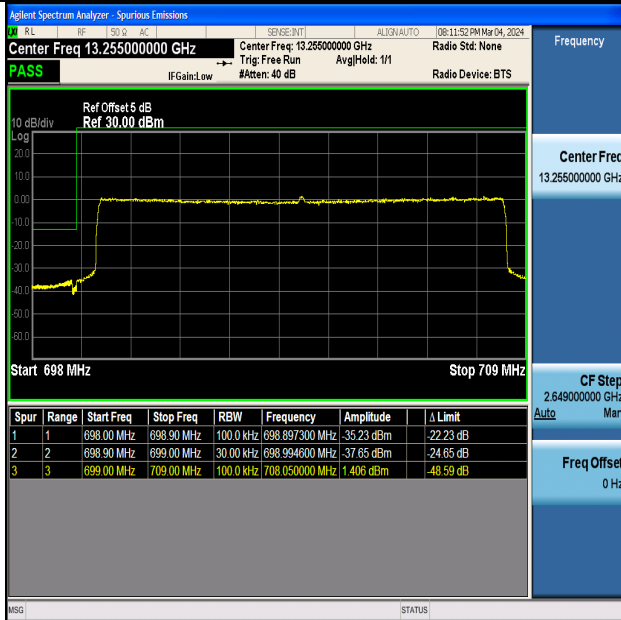
Band12_10MHz_QPSK_23060_1RB#49



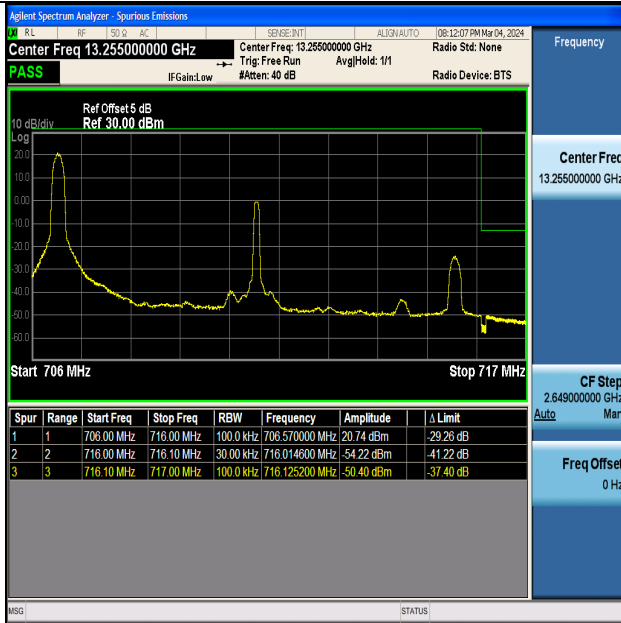
Band12_10MHz_16QAM_23060_1RB#49



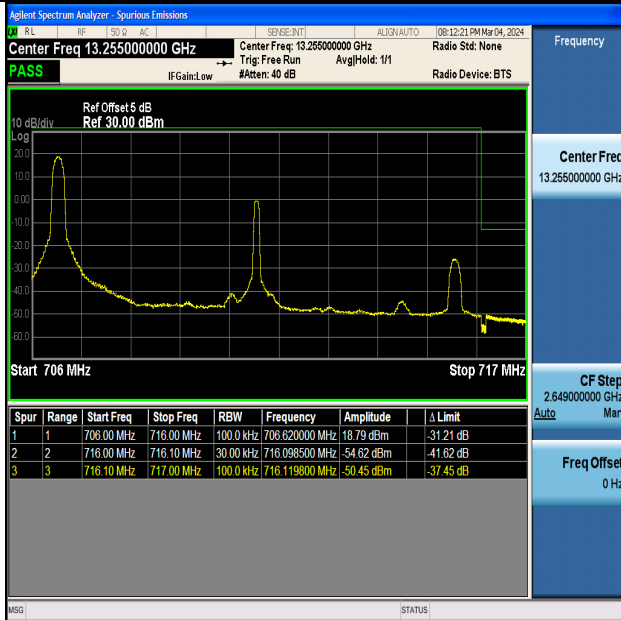
Band12_10MHz_QPSK_23060_50RB#0



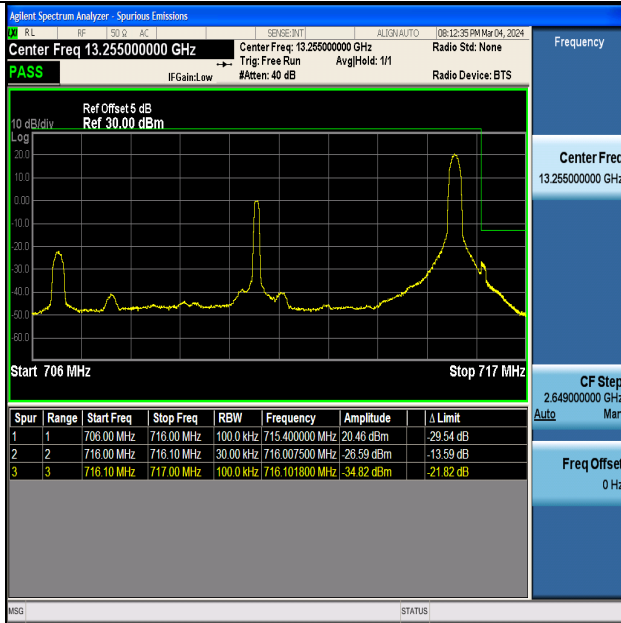
Band12_10MHz_16QAM_23060_50RB#0



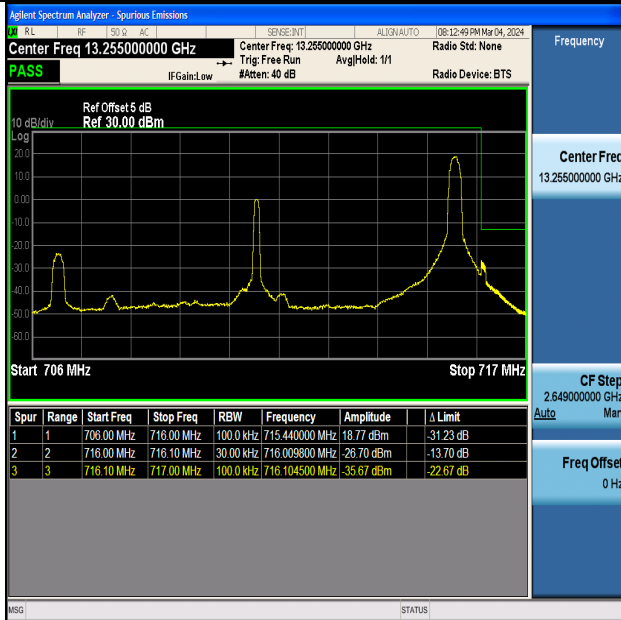
Band12_10MHz_QPSK_23130_1RB#0



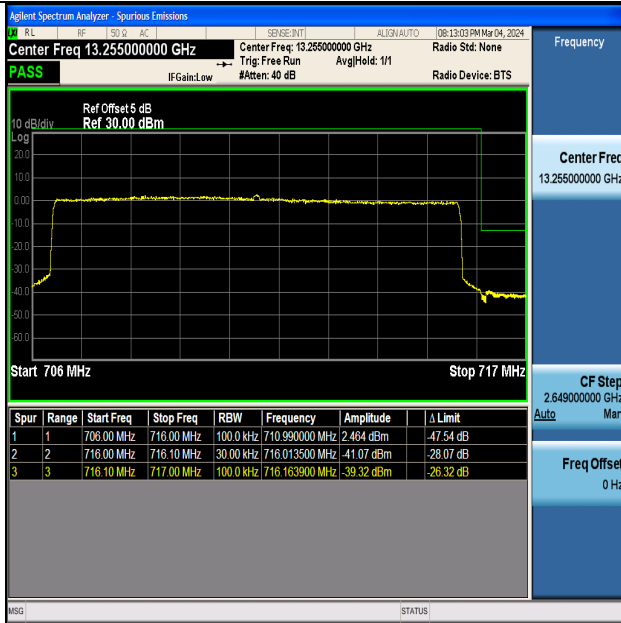
Band12_10MHz_16QAM_23130_1RB#0



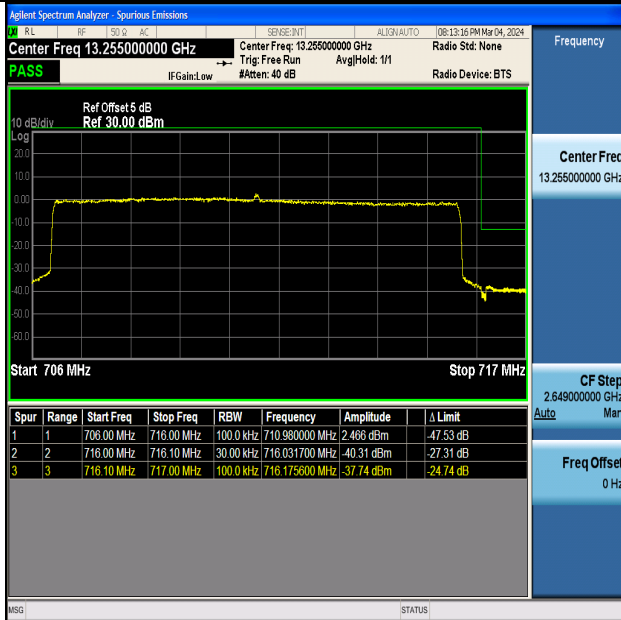
Band12_10MHz_QPSK_23130_1RB#49



Band12_10MHz_16QAM_23130_1RB#49



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

1.5. Appendix E: Conducted Spurious Emission

Test Result

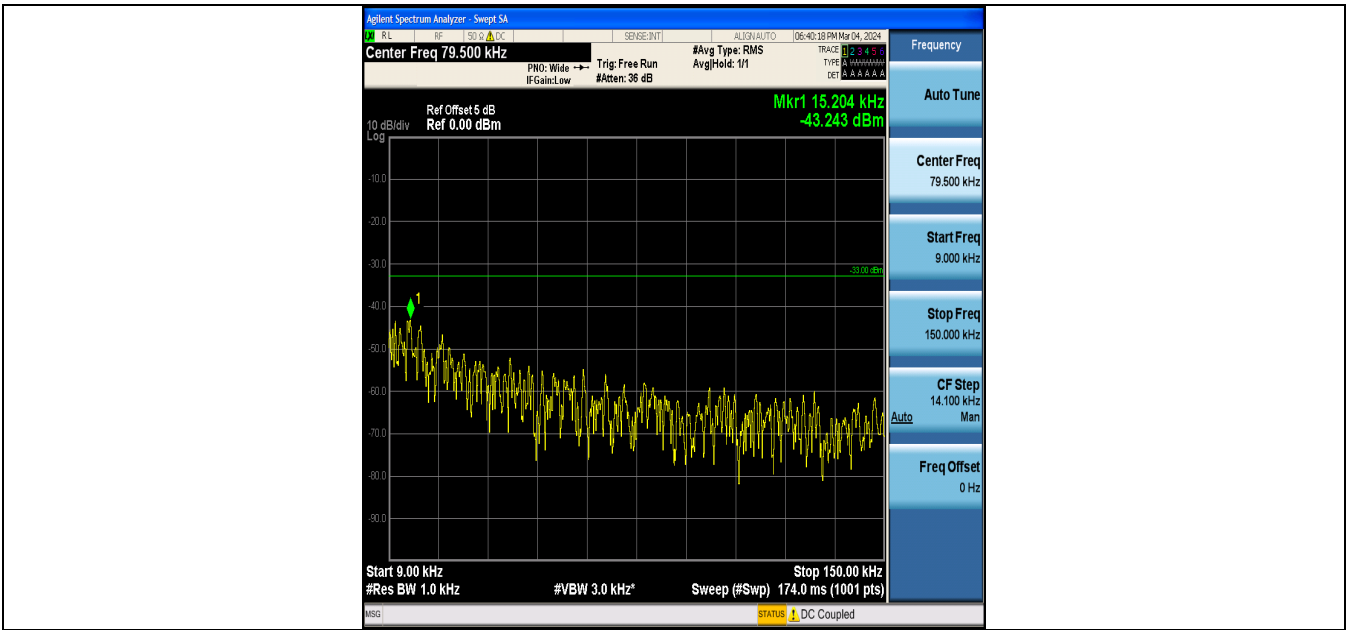
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-43.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-56.15	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-51.66	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-41.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-50.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-44.19	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.29	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-52.30	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-44.15	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-50.73	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-40.92	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-53.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-53.09	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-38.23	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-50.11	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-38.88	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-54.57	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-47.13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-39.02	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-50.78	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-42.95	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-53.63	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-50.80	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-40.71	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-50.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-40.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-53.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-50.82	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-41.62	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-50.23	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-39.39	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-54.51	PASS

Band12	3MHz	QPSK	23025	1RB#0	30~1000	-58.68	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-43.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-49.96	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-42.28	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-55.17	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-59.40	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-42.49	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-50.27	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-43.38	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-53.39	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-59.50	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-38.03	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-50.29	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-43.48	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-54.56	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-60.40	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-39.29	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-50.01	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-45.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-54.90	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-60.47	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-42.83	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-50.42	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-41.79	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-54.04	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-61.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-44.08	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-50.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-42.73	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-52.89	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-64.61	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-44.16	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-50.68	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-39.75	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-53.78	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-64.65	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-42.78	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-49.83	PASS

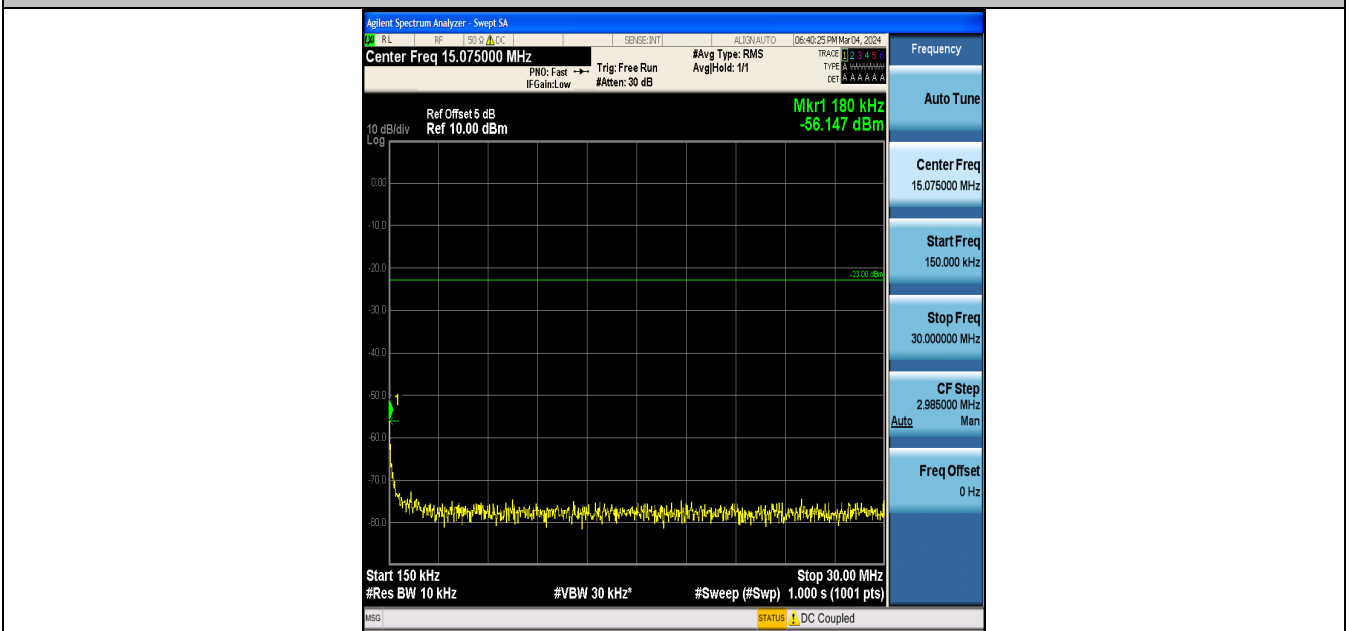
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-43.08	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-54.73	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-64.36	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-37.60	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-50.19	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-42.51	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-53.67	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-64.32	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-38.56	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-50.49	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-44.18	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-55.33	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-64.49	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-42.78	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-50.50	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-45.09	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.79	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-64.63	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-42.83	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-50.26	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-39.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-53.81	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-64.26	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-43.20	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-50.33	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-42.34	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-54.09	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-64.43	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-42.20	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-50.25	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-40.25	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-54.64	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-64.48	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-39.71	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-50.56	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-43.00	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-54.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-64.21	PASS

Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-41.44	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-50.22	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-42.10	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-52.41	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-64.32	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-38.30	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-50.52	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-42.35	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-55.55	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-64.62	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-39.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-49.72	PASS

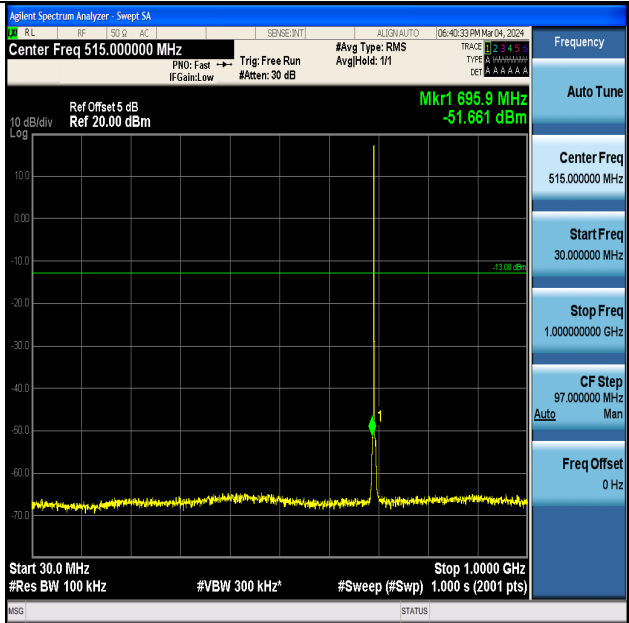
Test Graphs



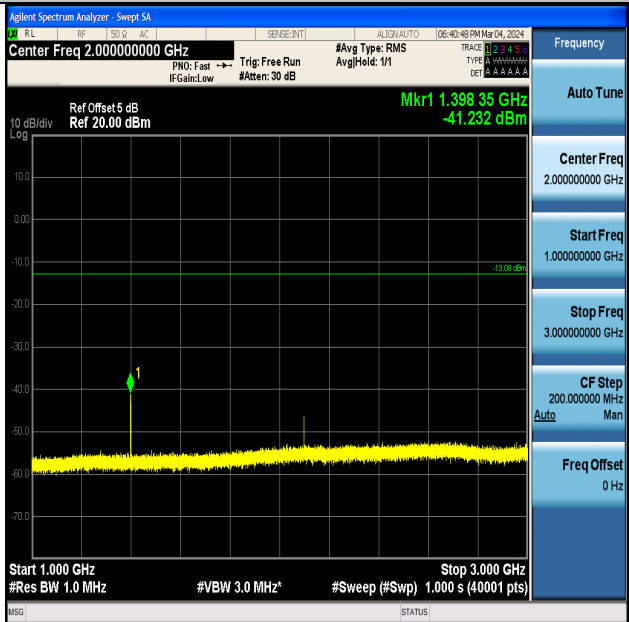
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



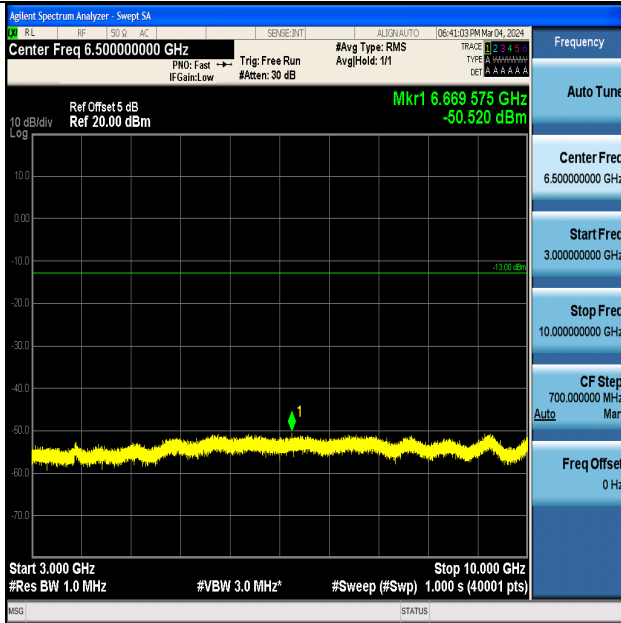
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



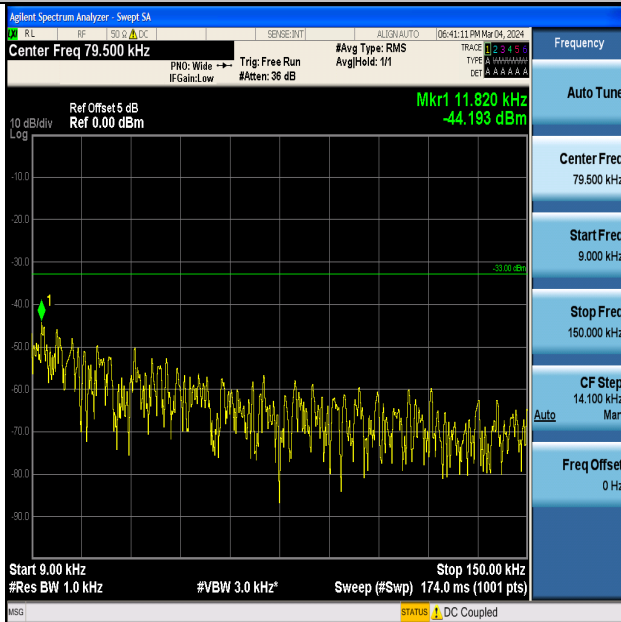
Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



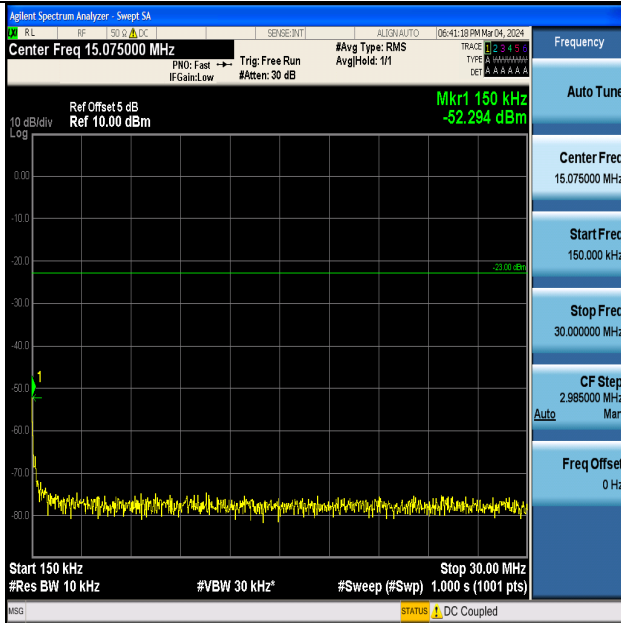
Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



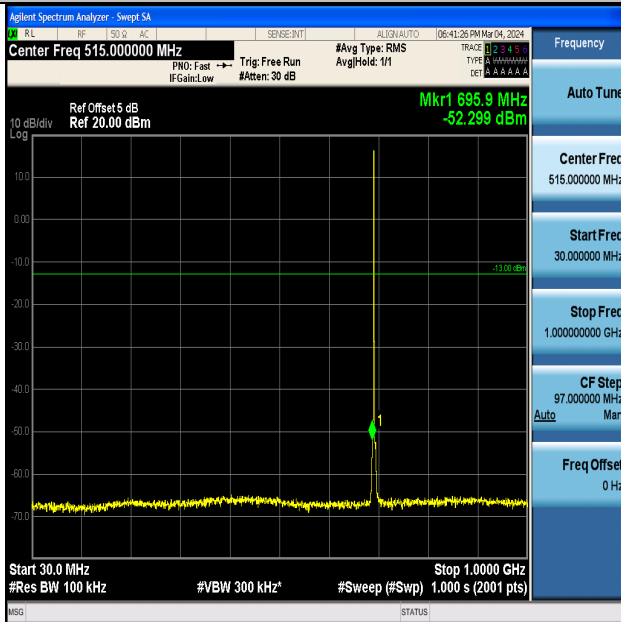
Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



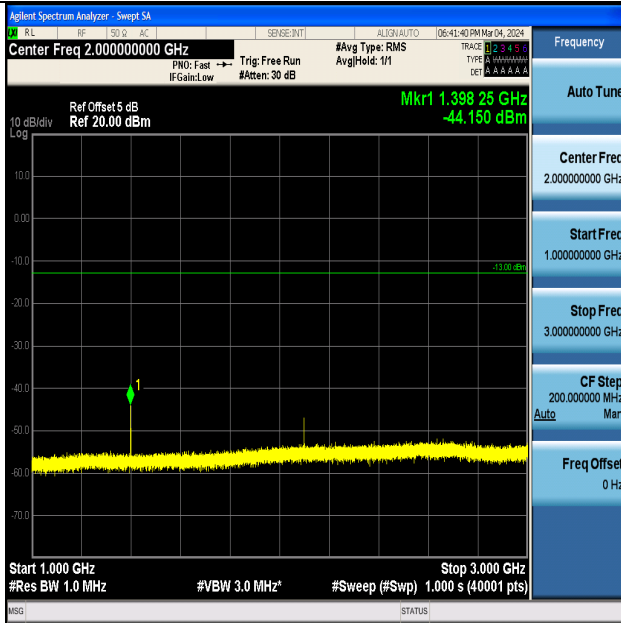
Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



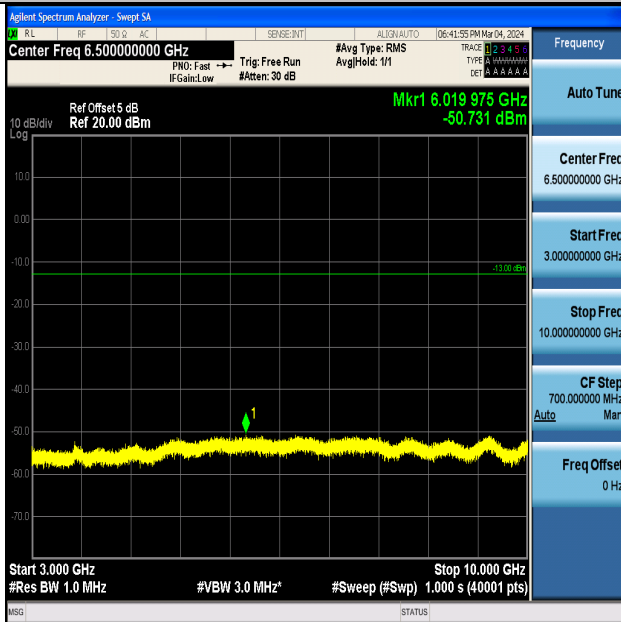
Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



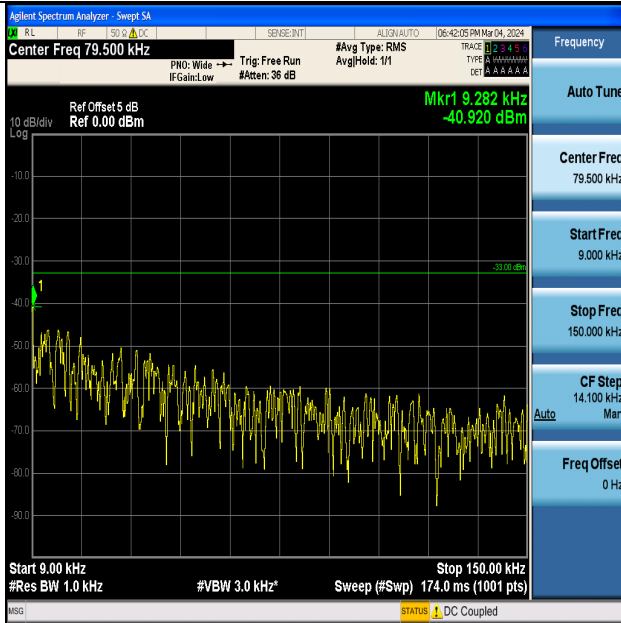
Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



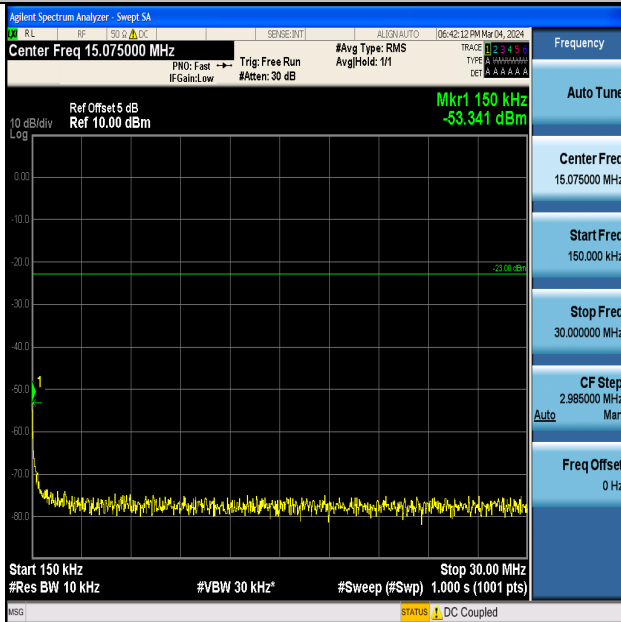
Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



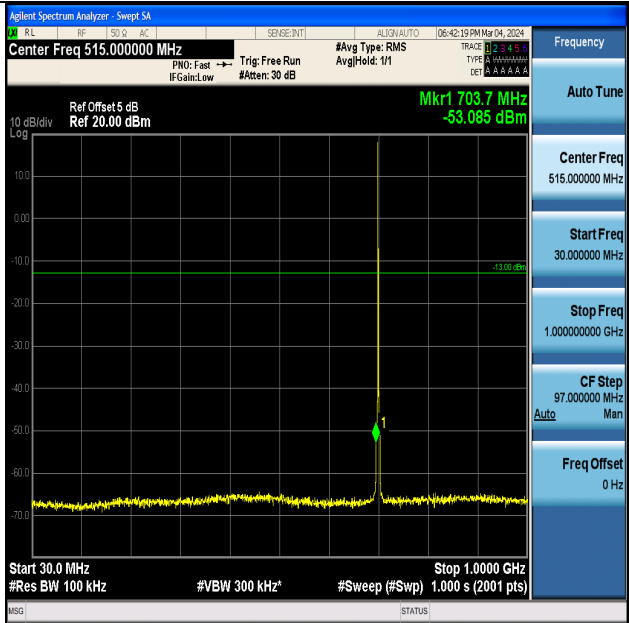
Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000



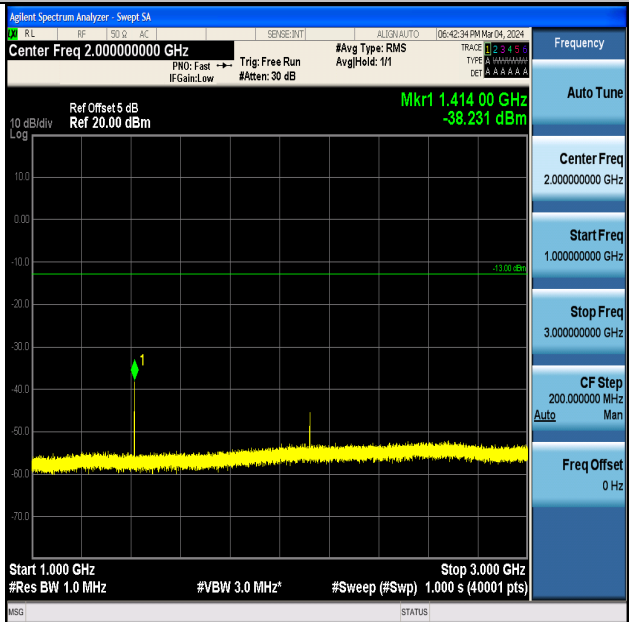
Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



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