

Appendix for LTE Band 12

Applicant: Launch Tech Co., Ltd.

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Shenzhen, China**

Product Name: Car Sense Vision

Model: YG5201

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Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	3MHz	QPSK	23025	1RB#0	24.03	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.69	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.14	PASS
Band12	3MHz	16QAM	23025	1RB#8	24.07	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.02	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.63	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.02	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.13	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.99	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.91	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.96	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.05	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.99	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.74	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.79	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.47	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.01	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.55	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.51	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.93	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.08	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.00	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.15	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.94	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.04	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.96	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.99	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.92	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.86	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.92	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.45	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.93	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.83	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.96	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.21	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.91	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.97	PASS

Band12	3MHz	QPSK	23165	8RB#7	22.96	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.22	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.03	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.96	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.01	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.73	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.78	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.89	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.01	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.64	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.05	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.94	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.92	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.97	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.81	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.94	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.89	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.83	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.99	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.65	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.86	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.35	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.05	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.54	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.91	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.90	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.97	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.91	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.94	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.91	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.89	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.00	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.06	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.37	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.92	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.39	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.03	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.33	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.87	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.89	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.82	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.15	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.94	PASS

Band12	5MHz	16QAM	23155	12RB#13	21.96	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.81	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.14	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.05	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.40	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.08	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.21	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.93	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.45	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.72	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.05	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.81	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.07	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.87	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.97	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.93	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.03	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.97	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.05	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.70	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.74	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.00	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.88	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.03	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.87	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.95	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.82	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.02	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.84	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.98	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.73	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.51	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.12	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.46	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.71	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.56	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.83	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.92	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.80	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.90	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.84	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.65	PASS

Band12	10MHz	QPSK	23130	50RB#0	22.82	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.82	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	23.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.08	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.60	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.96	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.86	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.97	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.81	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.38	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.92	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.88	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.87	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.54	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.84	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.82	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.64	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.07	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.79	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.94	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.72	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.88	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.92	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.92	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.17	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.93	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.86	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.96	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.80	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.41	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.41	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.90	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.45	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.89	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.56	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.91	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.80	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.01	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.54	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.85	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	21.89	PASS
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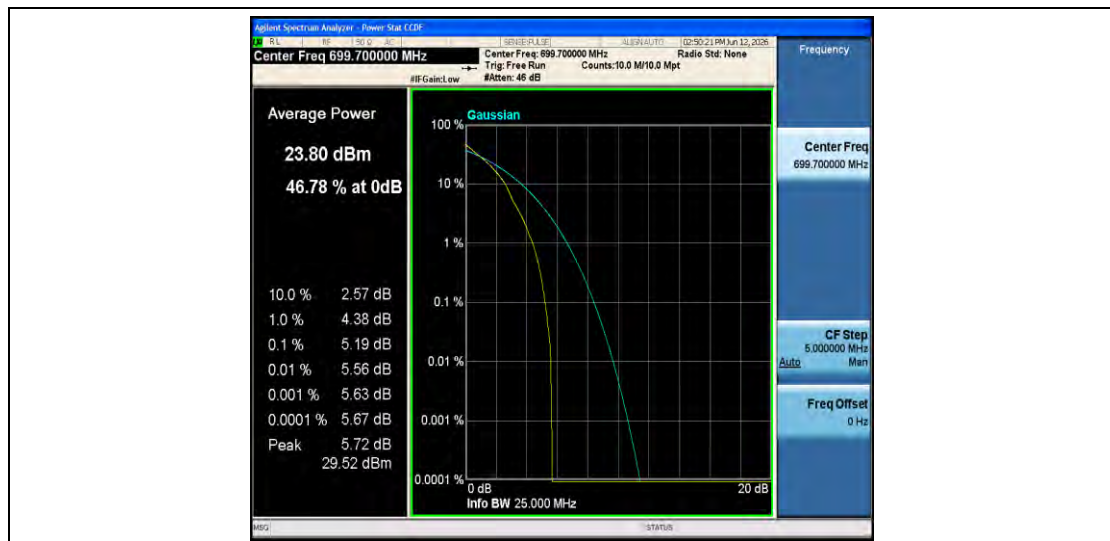
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.19	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.95	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.63	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.40	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.15	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.92	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.51	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.23	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.74	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.66	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.27	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.02	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.28	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.68	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.48	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.20	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.98	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.33	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.89	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.49	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.29	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.10	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.34	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.00	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.74	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.41	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.35	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.17	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.53	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.27	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.80	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.59	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.40	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.13	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.31	13	PASS

Band12	10MHz	QPSK	23060	50RB#0	5.76	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.43	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.31	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.14	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.19	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.12	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.47	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.22	13	PASS

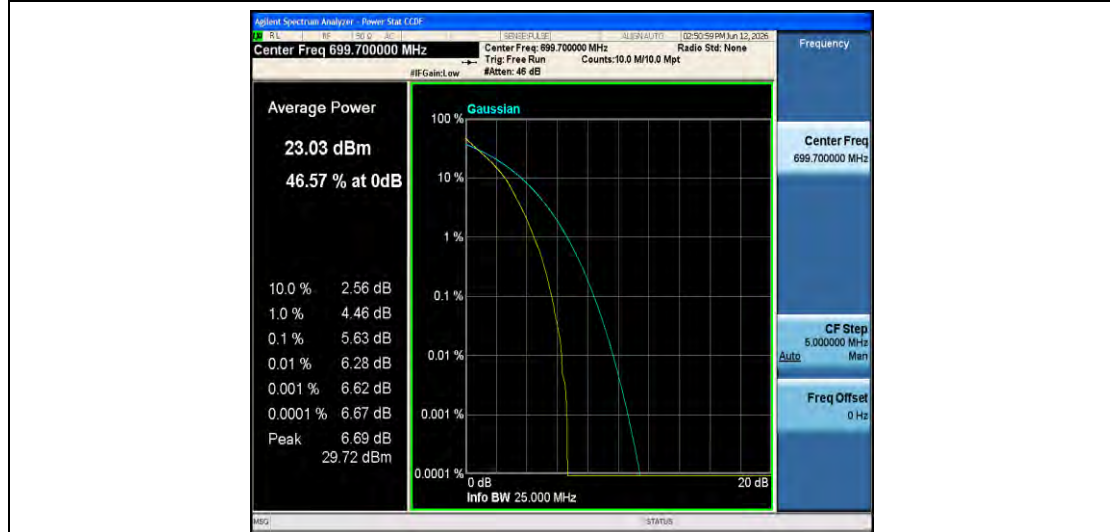
Test Graphs



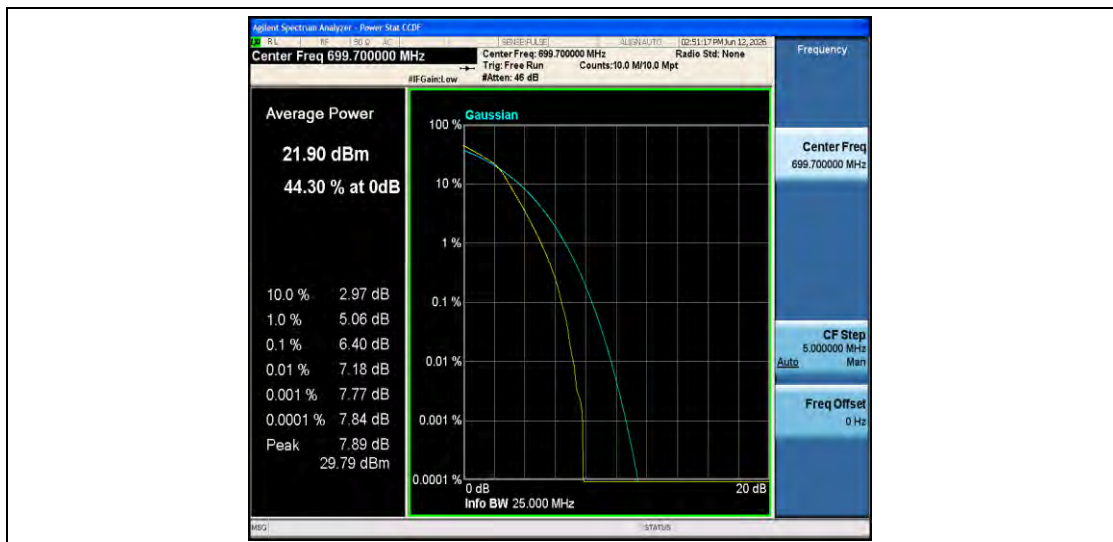
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



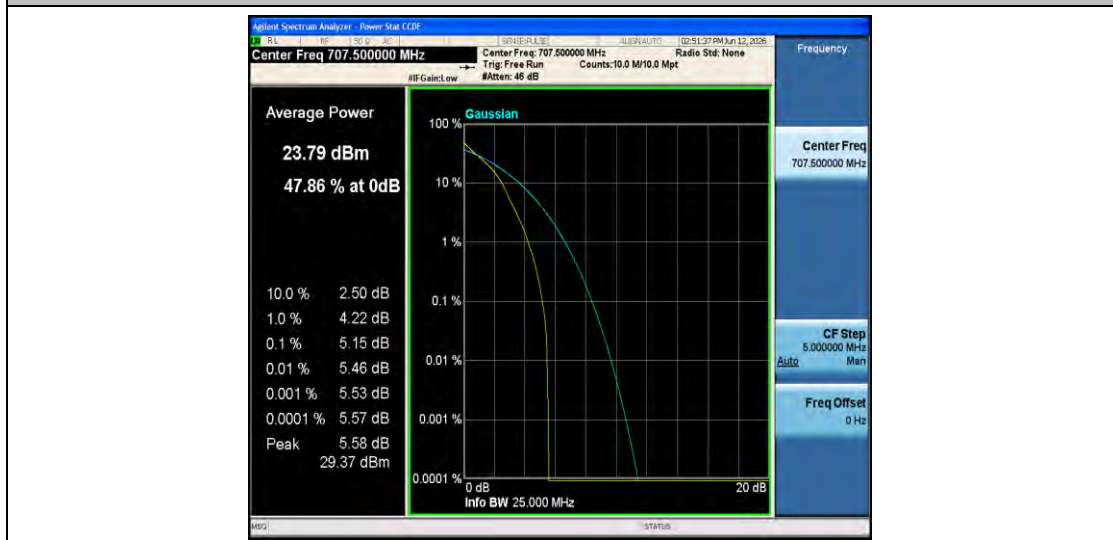
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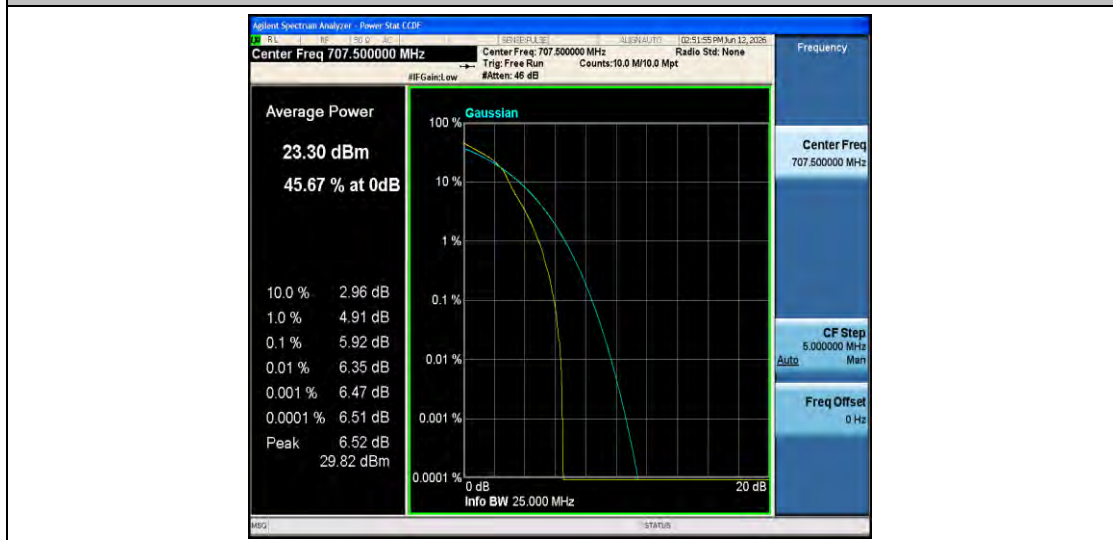
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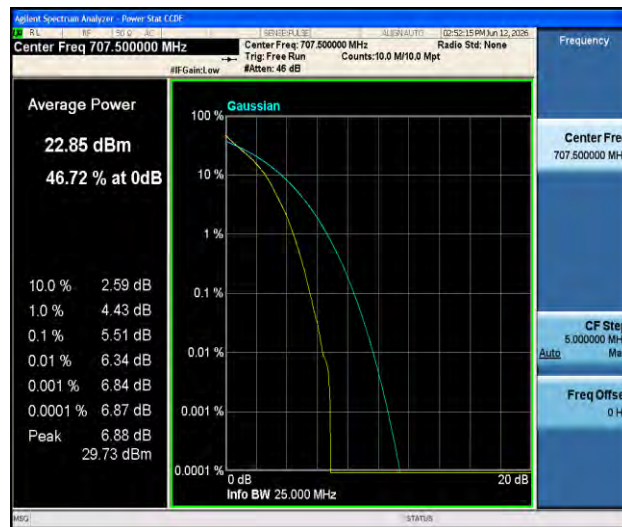
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Band12-1.4MHz-QPSK-23095-1RB#0-PASS



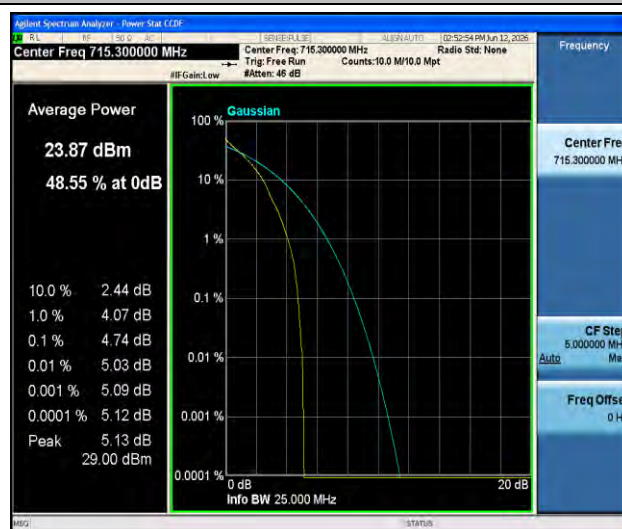
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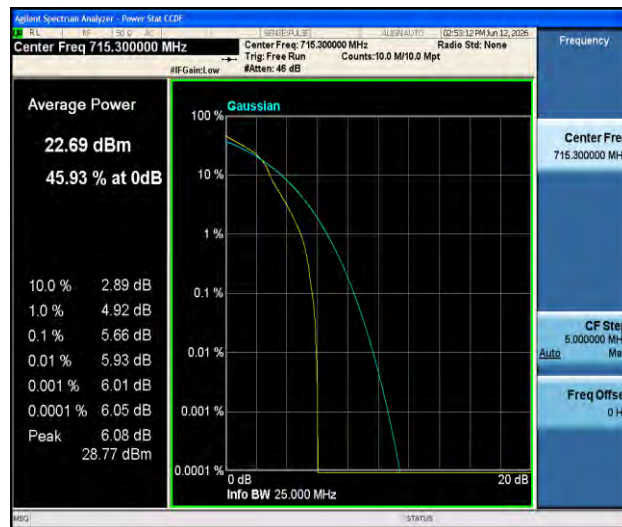
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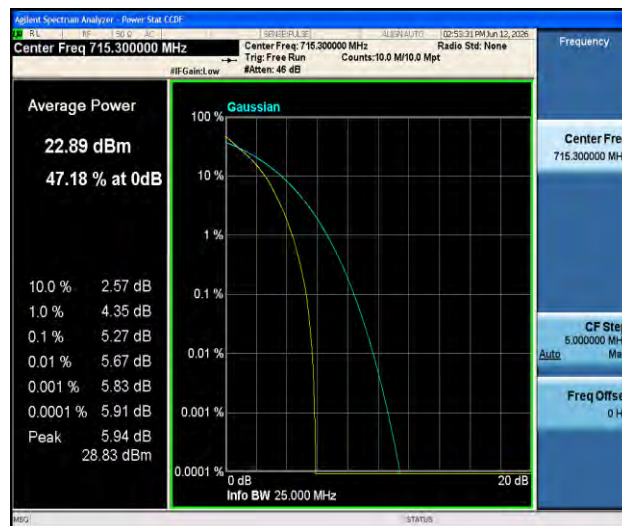
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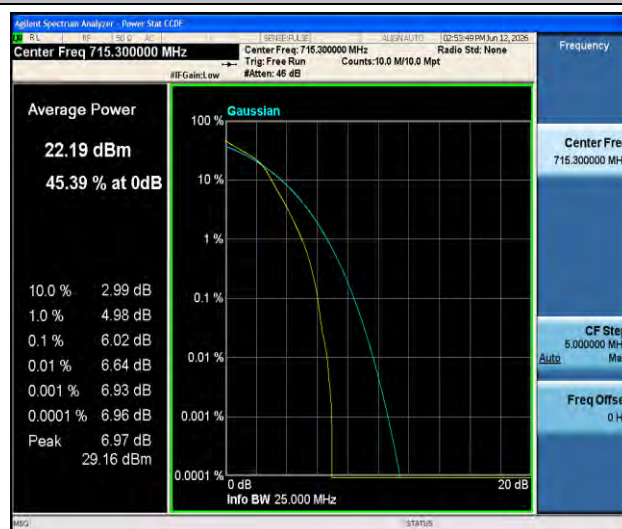
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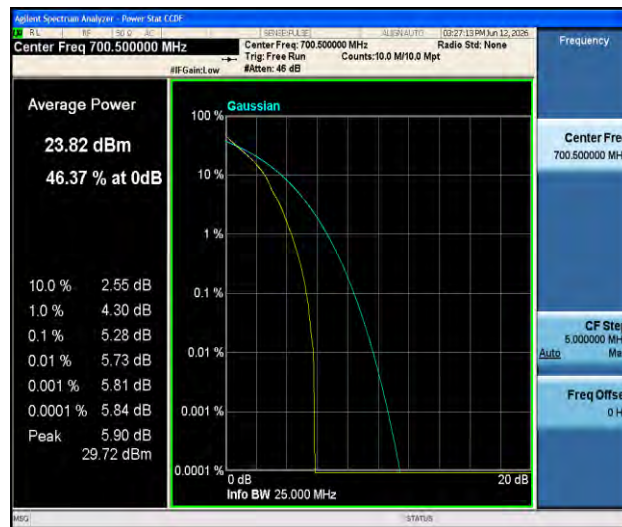
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



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



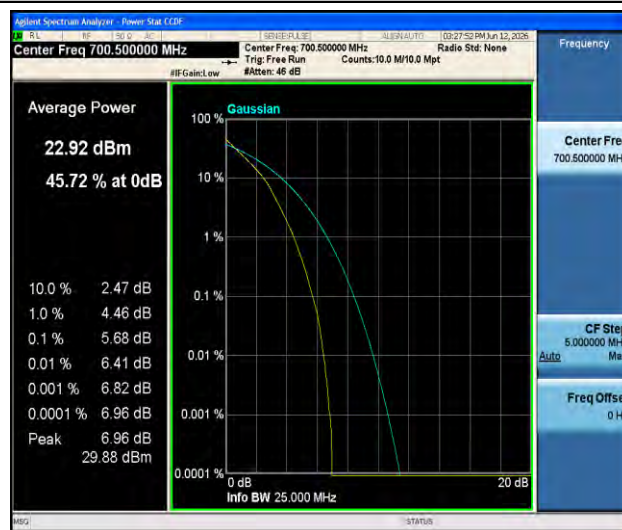
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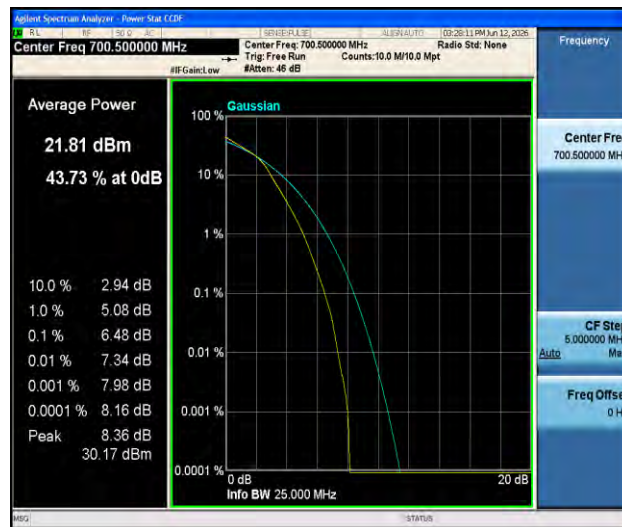
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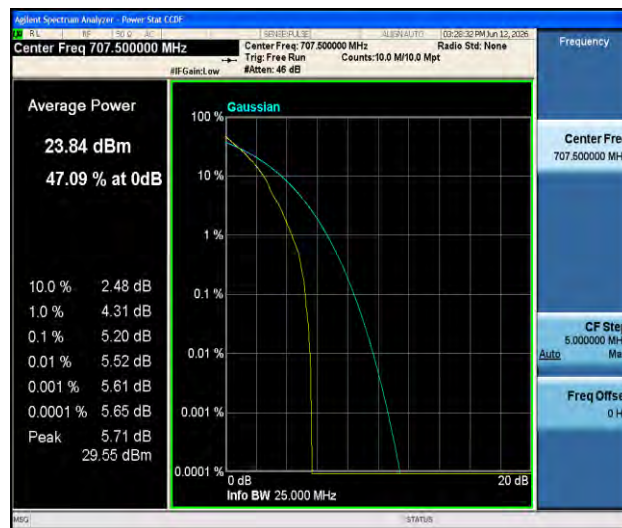
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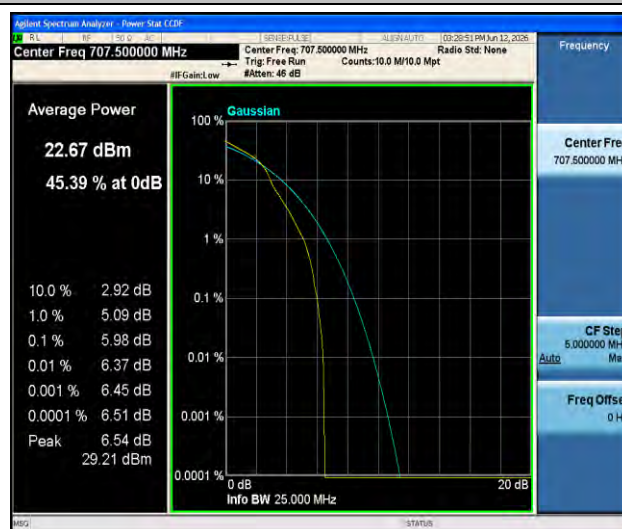
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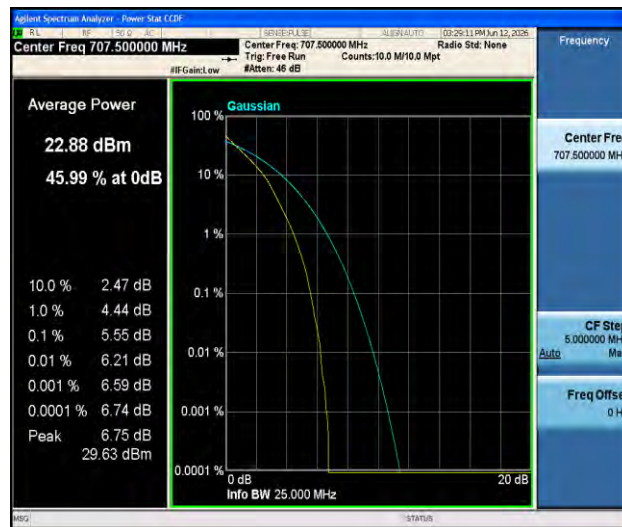
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Band12-3MHz-QPSK-23095-1RB#0-PASS



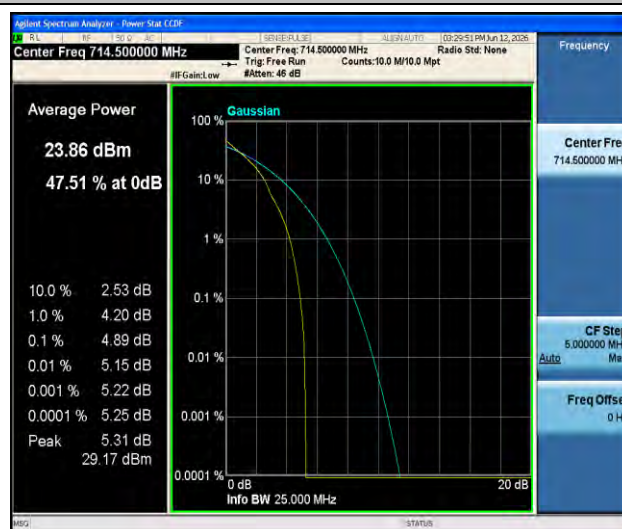
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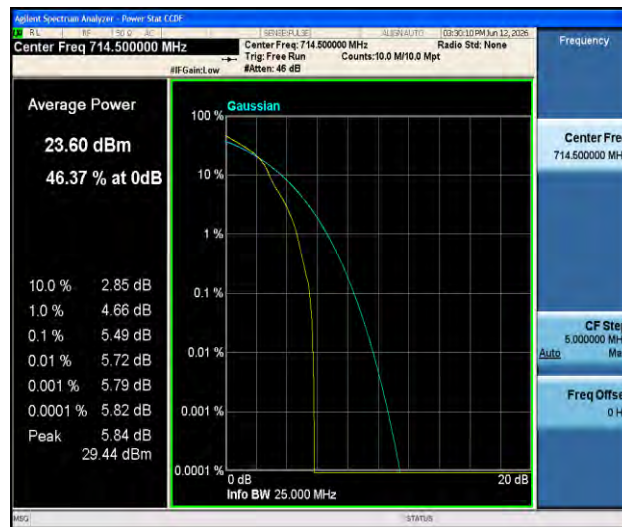
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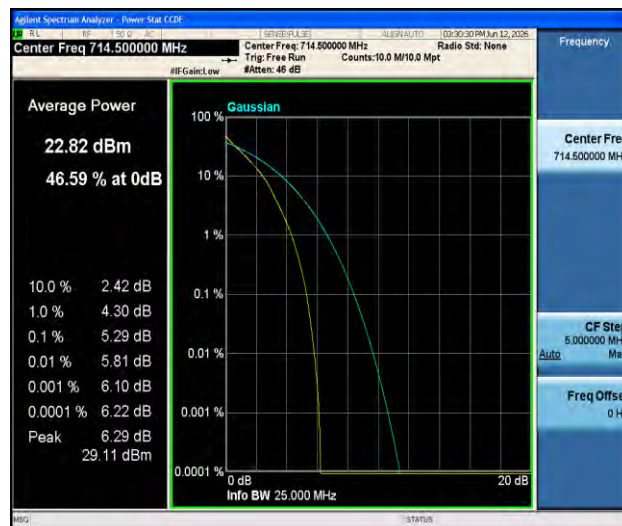
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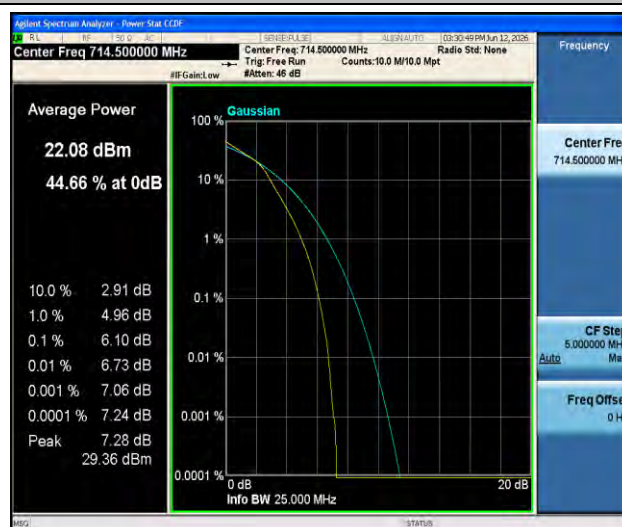
Band12-3MHz-QPSK-23165-1RB#0-PASS



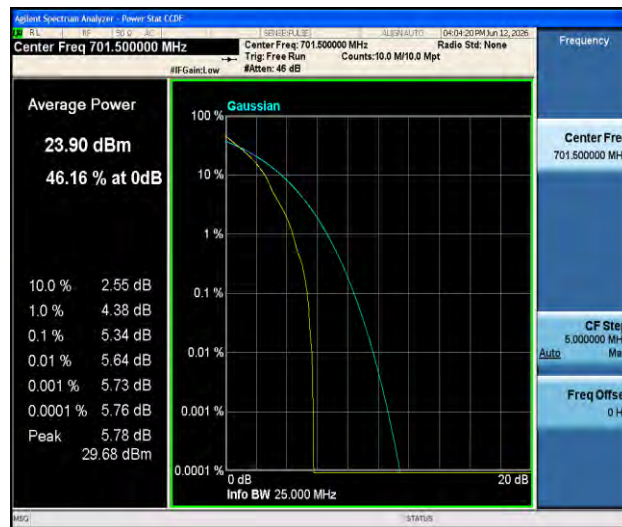
Band12-3MHz-16QAM-23165-1RB#0-PASS



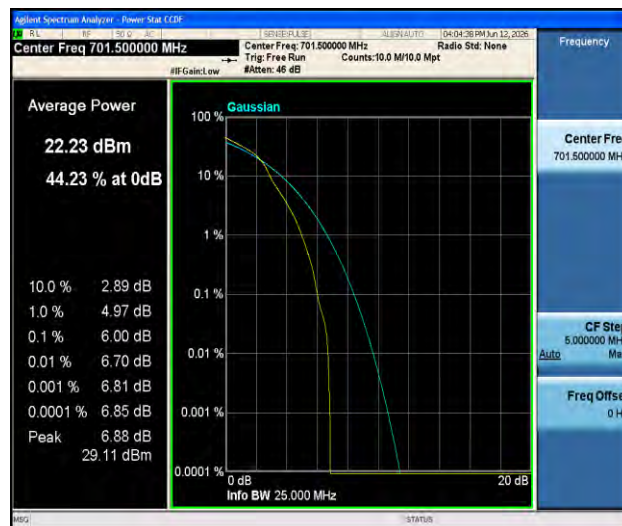
Band12-3MHz-QPSK-23165-15RB#0-PASS



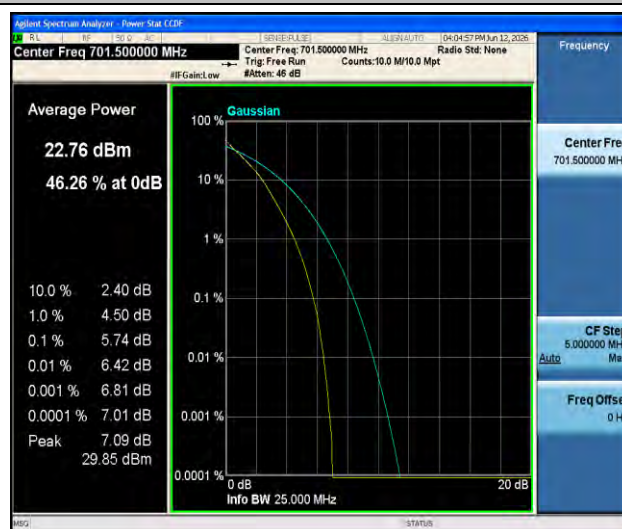
Band12-3MHz-16QAM-23165-15RB#0-PASS



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



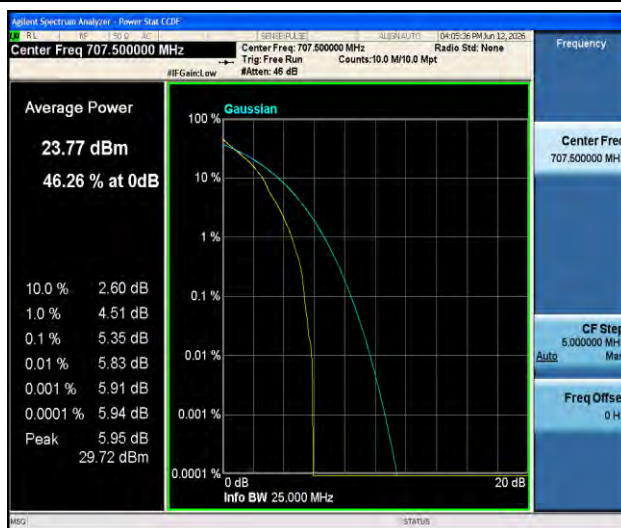
Band12-5MHz-16QAM-23035-1RB#0-PASS



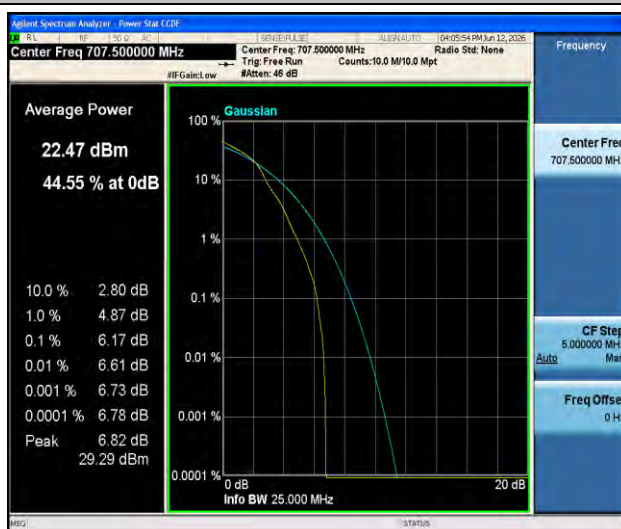
Band12-5MHz-QPSK-23035-25RB#0-PASS



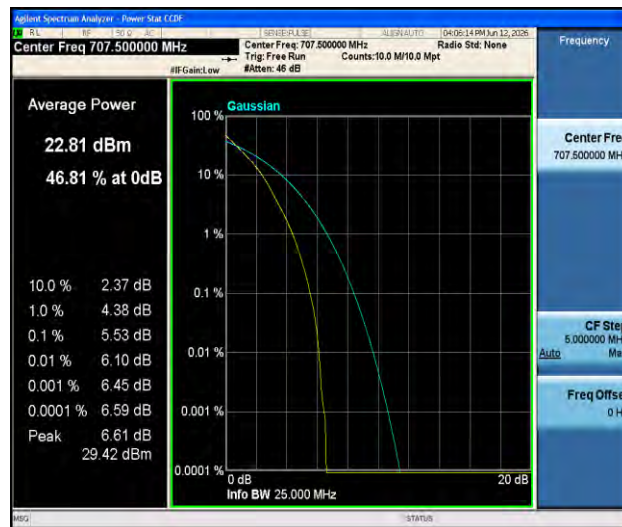
Band12-5MHz-16QAM-23035-25RB#0-PASS



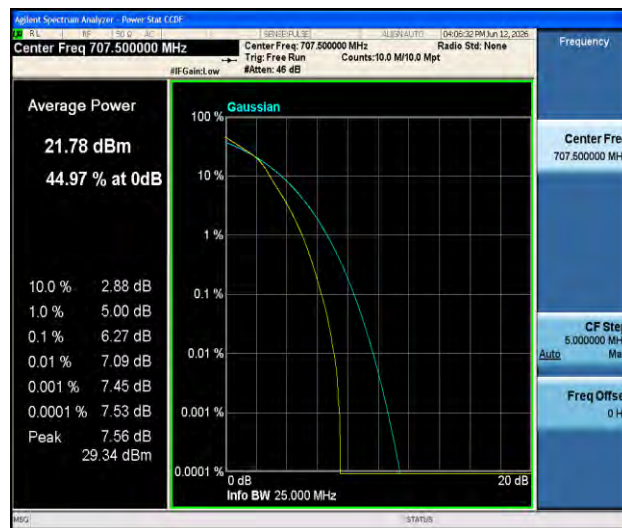
Band12-5MHz-QPSK-23095-1RB#0-PASS



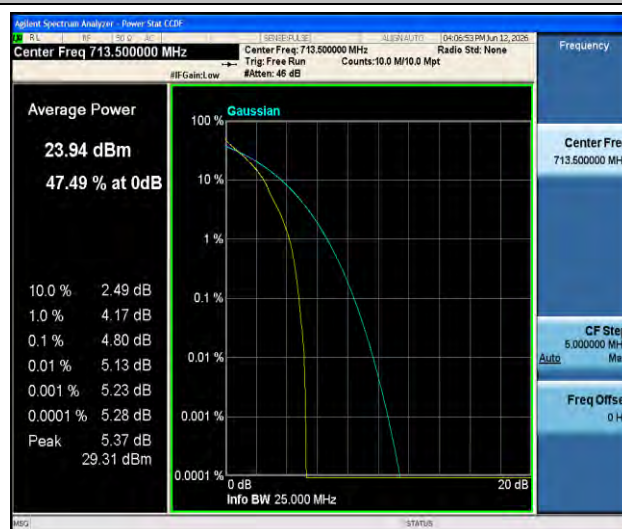
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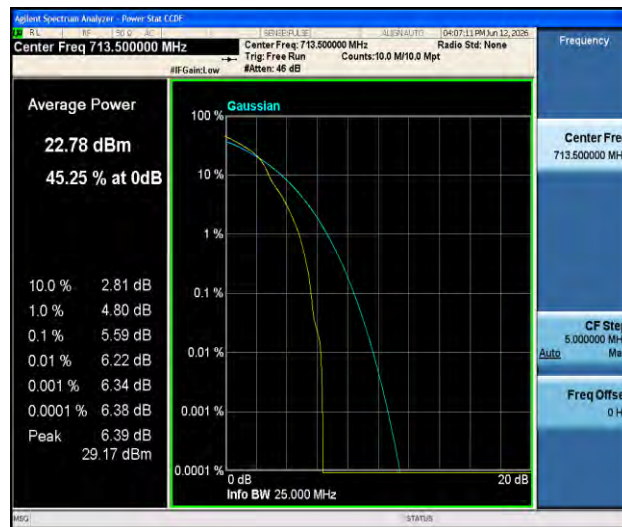
Band12-5MHz-QPSK-23095-25RB#0-PASS



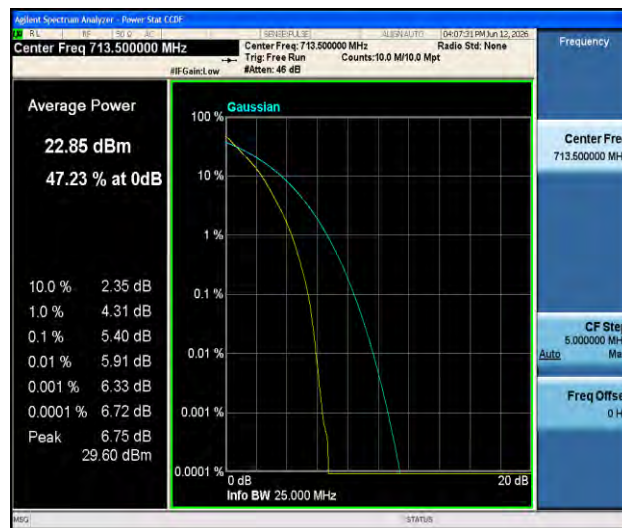
Band12-5MHz-16QAM-23095-25RB#0-PASS



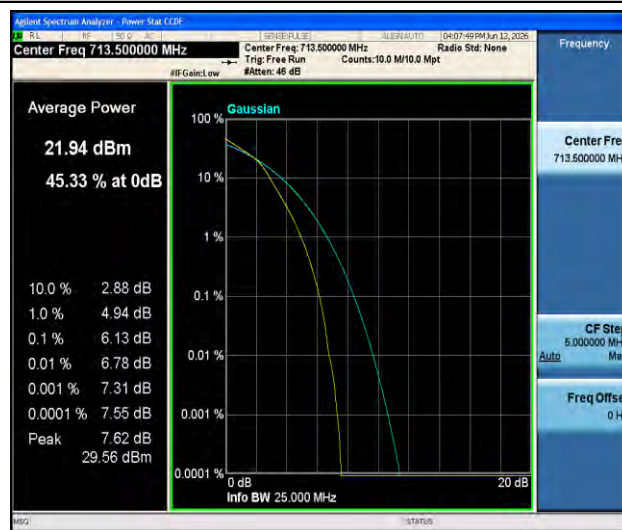
Band12-5MHz-QPSK-23155-1RB#0-PASS



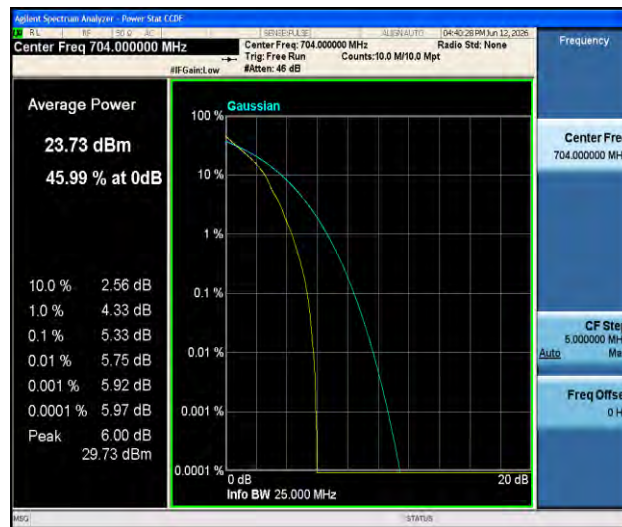
Band12-5MHz-16QAM-23155-1RB#0-PASS



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



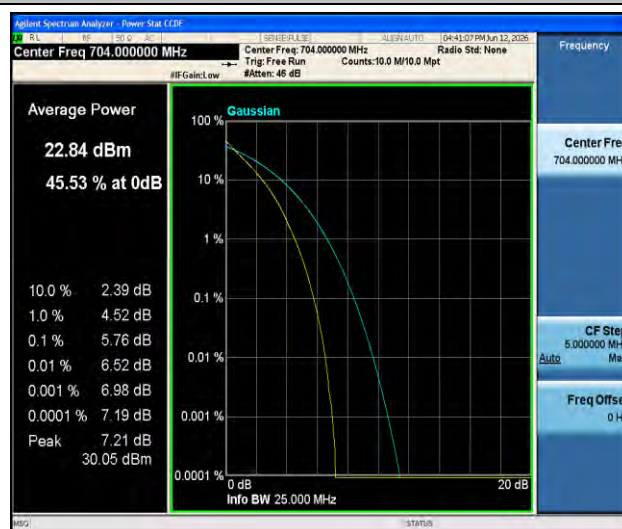
Band12-5MHz-16QAM-23155-25RB#0-PASS



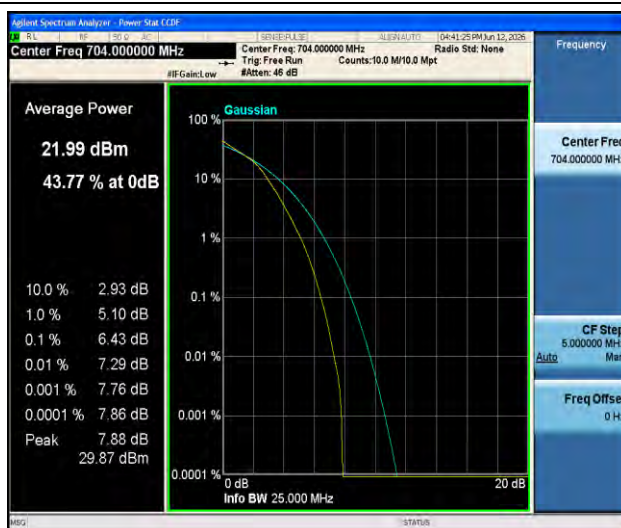
Band12-10MHz-QPSK-23060-1RB#0-PASS



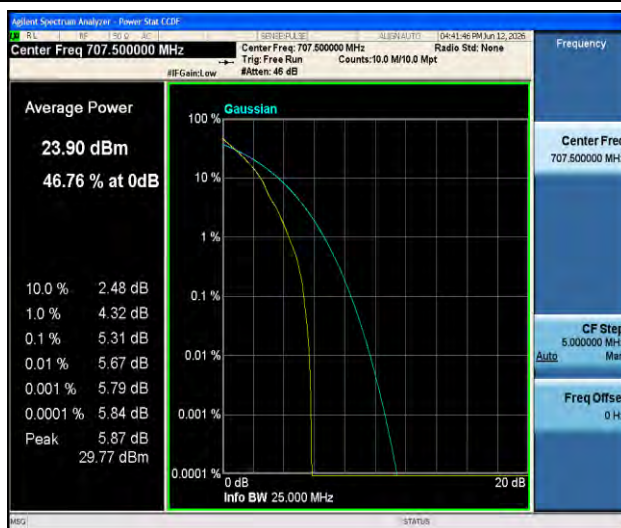
Band12-10MHz-16QAM-23060-1RB#0-PASS



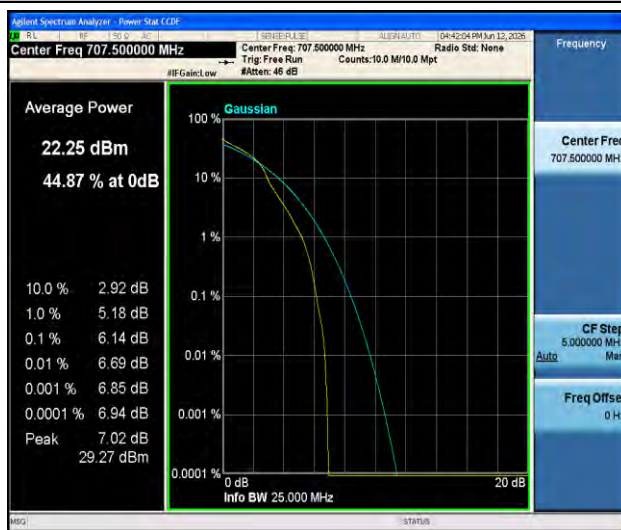
Band12-10MHz-QPSK-23060-50RB#0-PASS



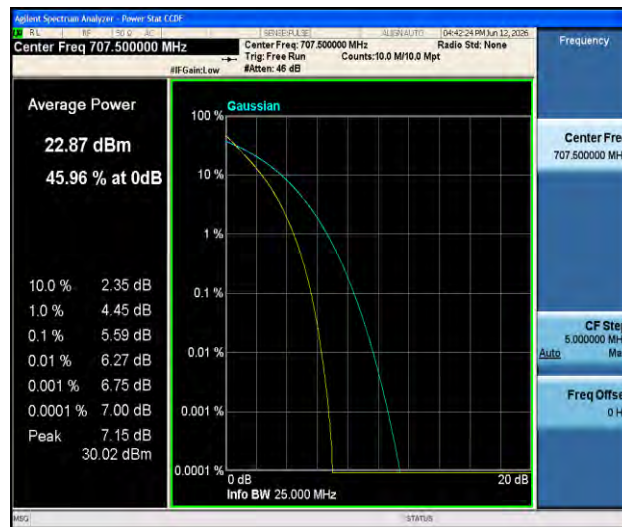
Band12-10MHz-16QAM-23060-50RB#0-PASS



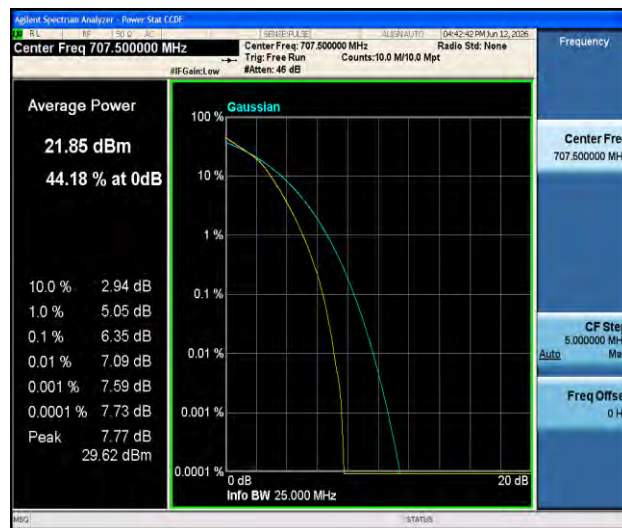
Band12-10MHz-QPSK-23095-1RB#0-PASS



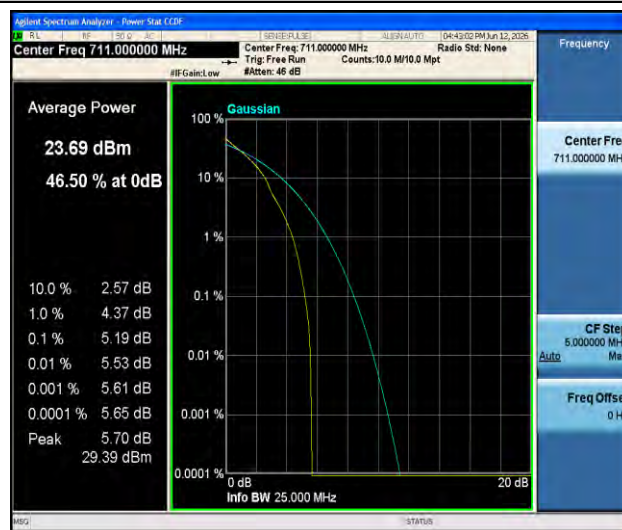
Band12-10MHz-16QAM-23095-1RB#0-PASS



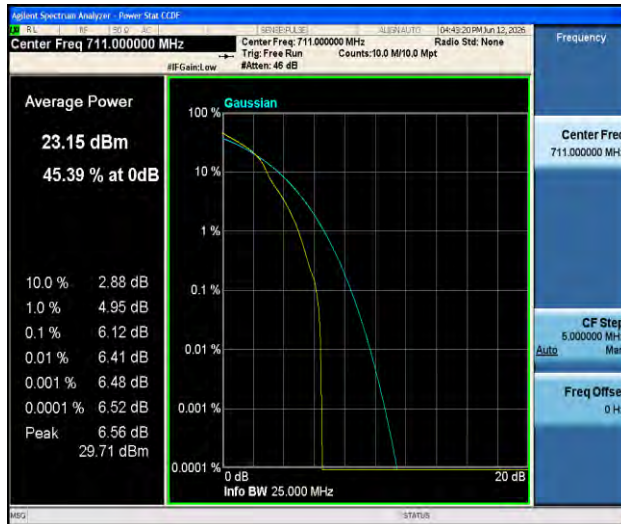
Band12-10MHz-QPSK-23095-50RB#0-PASS



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

Appendix C: 26dB Bandwidth and Occupied Bandwidth

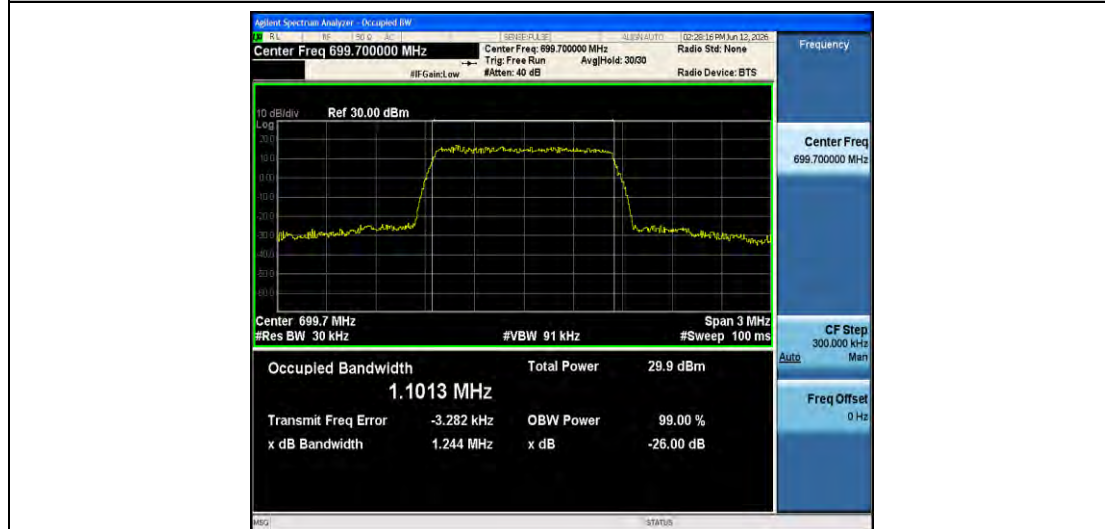
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0905	1.238	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1013	1.244	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0961	1.245	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0990	1.250	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0975	1.248	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0884	1.237	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7032	3.031	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7089	3.038	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7082	3.013	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7020	3.015	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7090	3.001	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6945	3.007	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5090	4.977	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5155	4.989	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5101	4.983	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5214	5.006	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5046	4.968	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5018	4.961	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0298	9.926	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0175	9.973	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9654	9.880	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0185	9.952	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9811	9.886	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9701	9.910	PASS

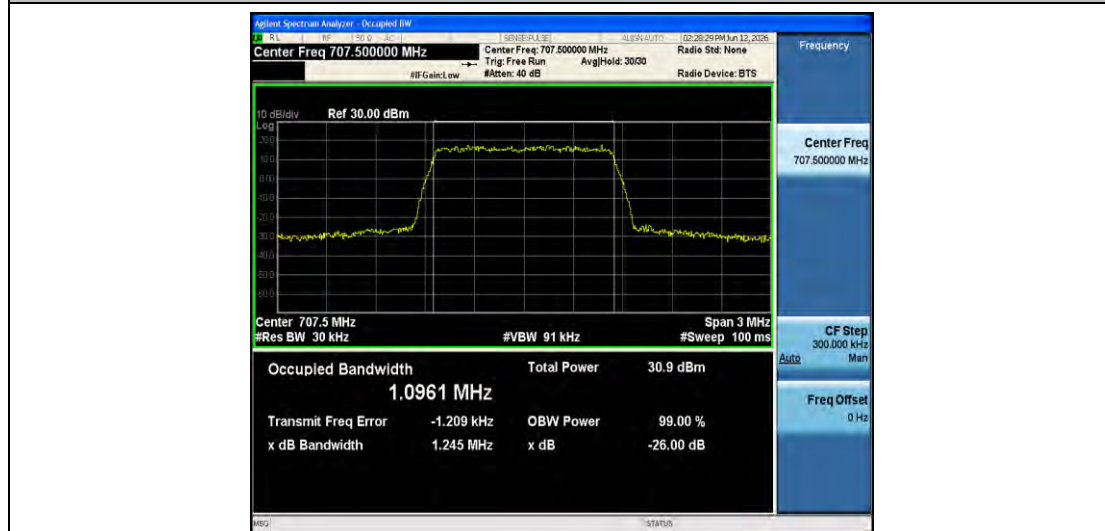
Test Graphs



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



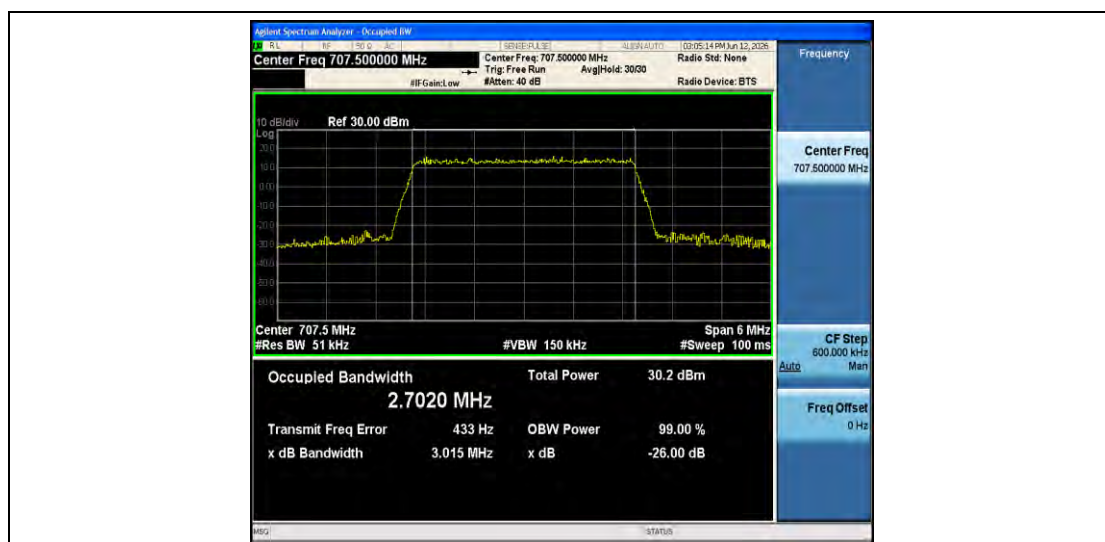
Band12-3MHz-QPSK-23025-15RB#0-PASS



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



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



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



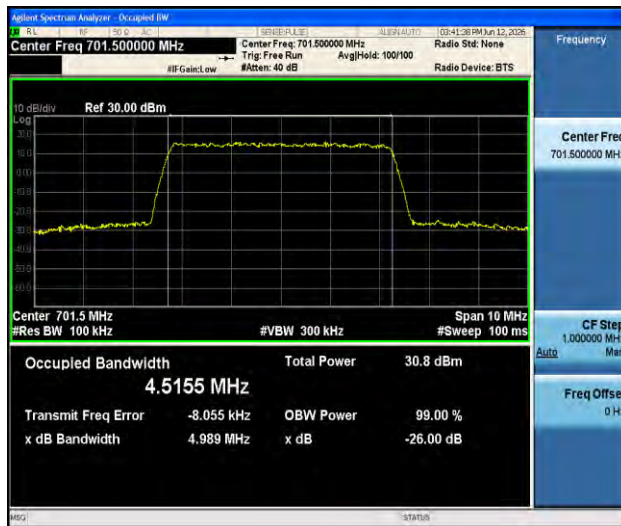
Band12-3MHz-QPSK-23165-15RB#0-PASS



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



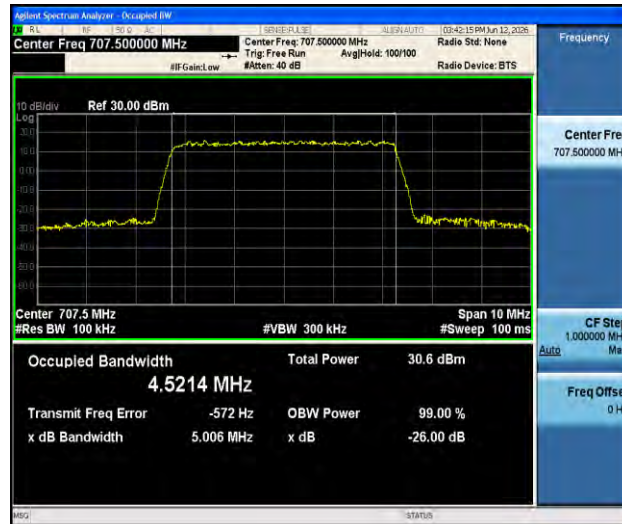
Band12-5MHz-QPSK-23035-25RB#0-PASS



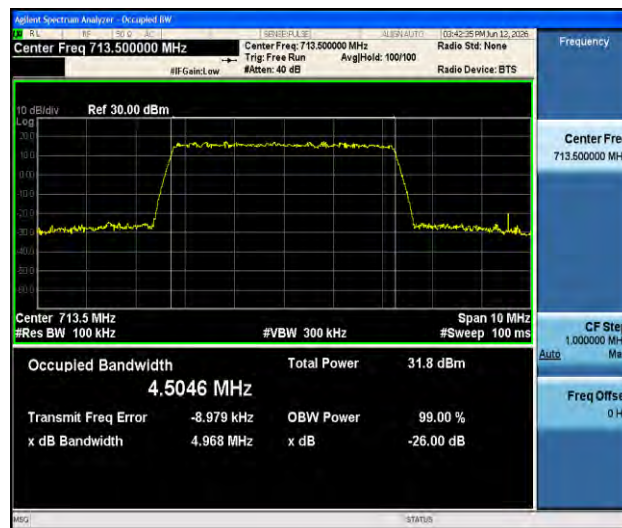
Band12-5MHz-16QAM-23035-25RB#0-PASS



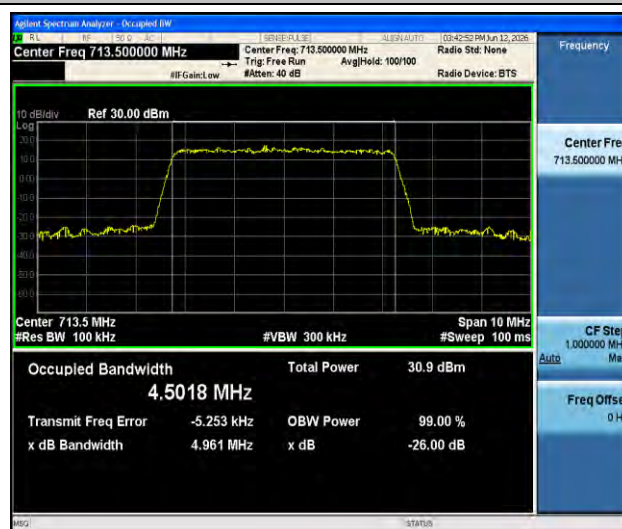
Band12-5MHz-QPSK-23095-25RB#0-PASS



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



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



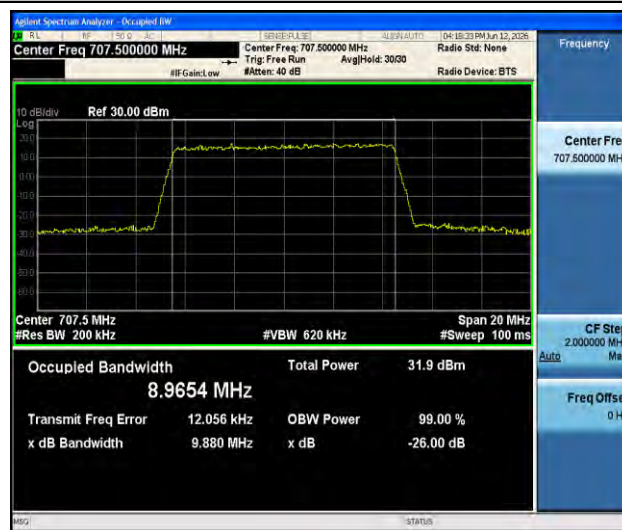
Band12-5MHz-16QAM-23155-25RB#0-PASS



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

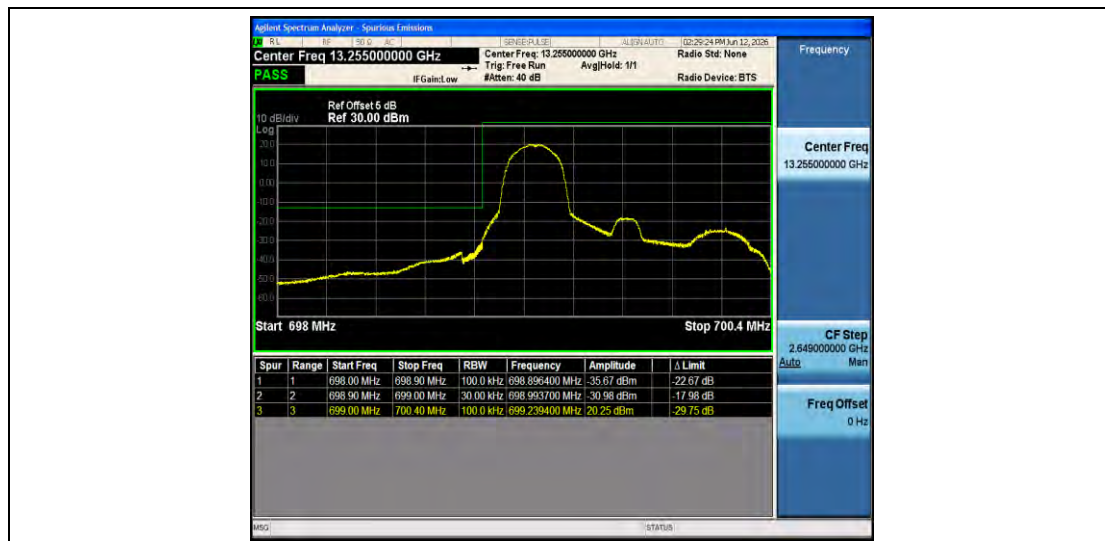
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-30.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-33.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-26.38	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-28.21	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-33.21	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-32.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-29.07	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-31.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-31.11	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-35.38	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-34.69	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-35.35	PASS
Band12	3MHz	QPSK	23025	1RB#0	-20.69	PASS
Band12	3MHz	16QAM	23025	1RB#0	-21.66	PASS
Band12	3MHz	QPSK	23025	1RB#14	-33.61	PASS
Band12	3MHz	16QAM	23025	1RB#14	-34.69	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.72	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.44	PASS
Band12	3MHz	QPSK	23165	1RB#0	-33.96	PASS
Band12	3MHz	16QAM	23165	1RB#0	-33.19	PASS
Band12	3MHz	QPSK	23165	1RB#14	-19.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	-19.74	PASS
Band12	3MHz	QPSK	23165	15RB#0	-30.37	PASS
Band12	3MHz	16QAM	23165	15RB#0	-30.44	PASS
Band12	5MHz	QPSK	23035	1RB#0	-27.35	PASS
Band12	5MHz	16QAM	23035	1RB#0	-29.08	PASS
Band12	5MHz	QPSK	23035	1RB#24	-44.56	PASS
Band12	5MHz	16QAM	23035	1RB#24	-45.51	PASS
Band12	5MHz	QPSK	23035	25RB#0	-37.19	PASS
Band12	5MHz	16QAM	23035	25RB#0	-36.71	PASS
Band12	5MHz	QPSK	23155	1RB#0	-45.59	PASS
Band12	5MHz	16QAM	23155	1RB#0	-46.54	PASS
Band12	5MHz	QPSK	23155	1RB#24	-28.10	PASS
Band12	5MHz	16QAM	23155	1RB#24	-28.51	PASS
Band12	5MHz	QPSK	23155	25RB#0	-38.51	PASS
Band12	5MHz	16QAM	23155	25RB#0	-38.76	PASS
Band12	10MHz	QPSK	23060	1RB#0	-33.24	PASS
Band12	10MHz	16QAM	23060	1RB#0	-34.25	PASS

Band12	10MHz	QPSK	23060	1RB#49	-50.93	PASS
Band12	10MHz	16QAM	23060	1RB#49	-51.63	PASS
Band12	10MHz	QPSK	23060	50RB#0	-40.63	PASS
Band12	10MHz	16QAM	23060	50RB#0	-40.02	PASS
Band12	10MHz	QPSK	23130	1RB#0	-50.44	PASS
Band12	10MHz	16QAM	23130	1RB#0	-51.47	PASS
Band12	10MHz	QPSK	23130	1RB#49	-34.04	PASS
Band12	10MHz	16QAM	23130	1RB#49	-34.78	PASS
Band12	10MHz	QPSK	23130	50RB#0	-41.73	PASS
Band12	10MHz	16QAM	23130	50RB#0	-41.48	PASS

Test Graphs



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



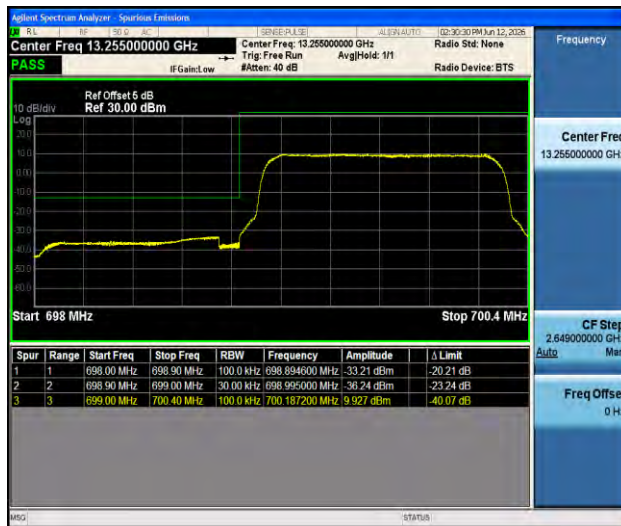
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



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



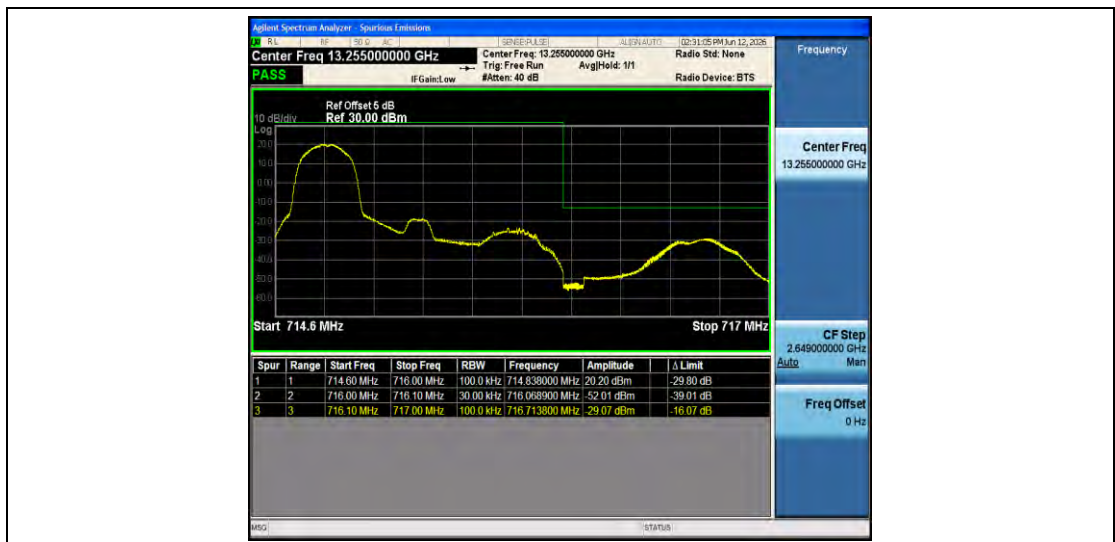
Band12-1.4MHz-16QAM-23017-1RB#5-PASS



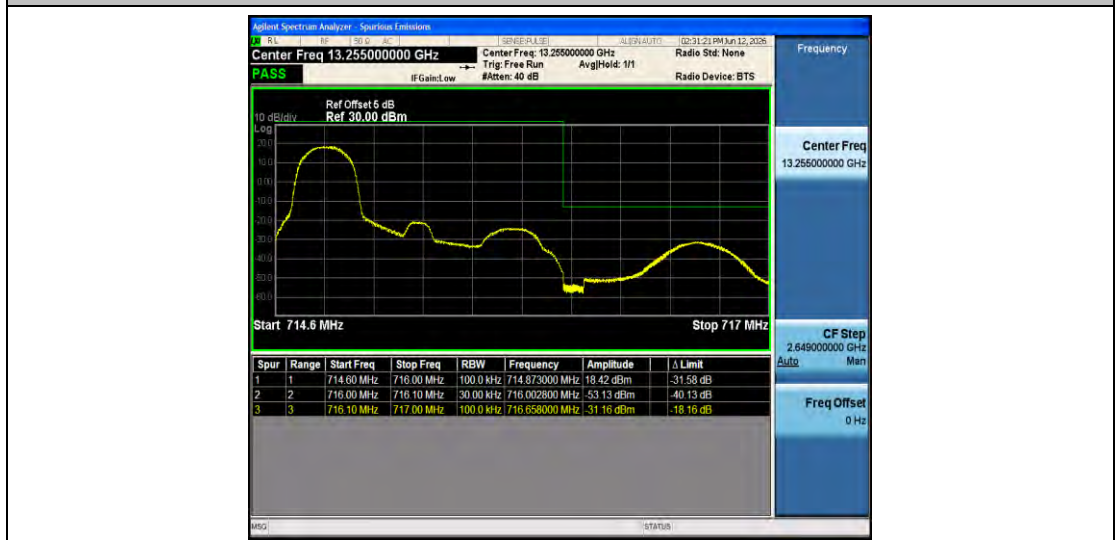
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



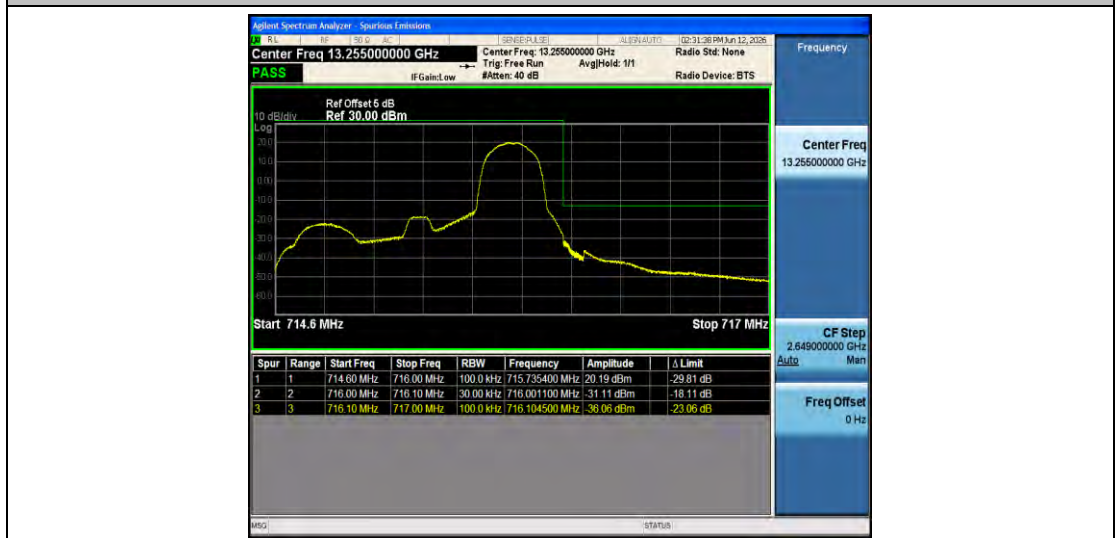
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



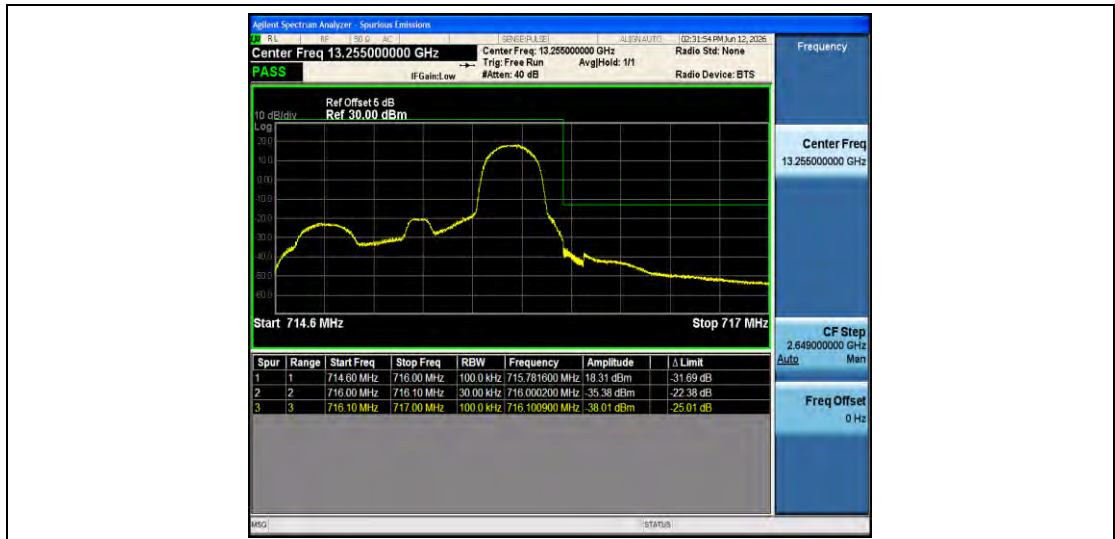
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



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



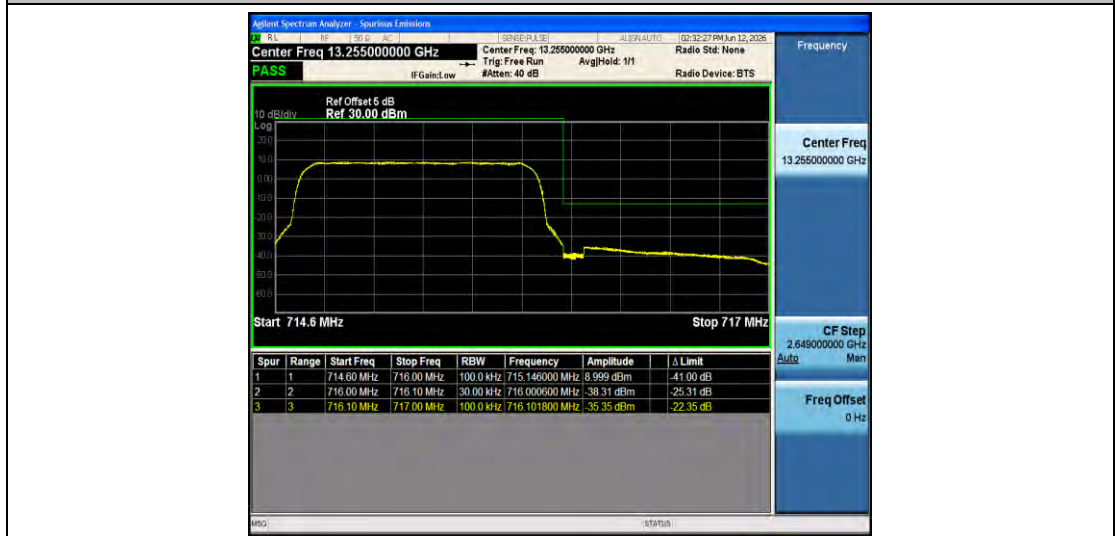
Band12-1.4MHz-QPSK-23173-1RB#5-PASS



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



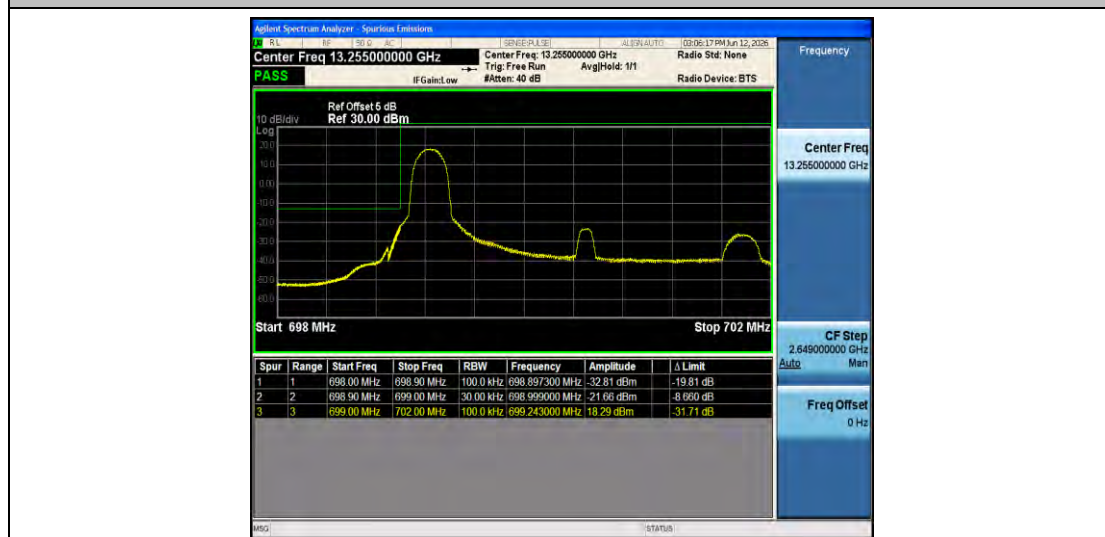
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



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



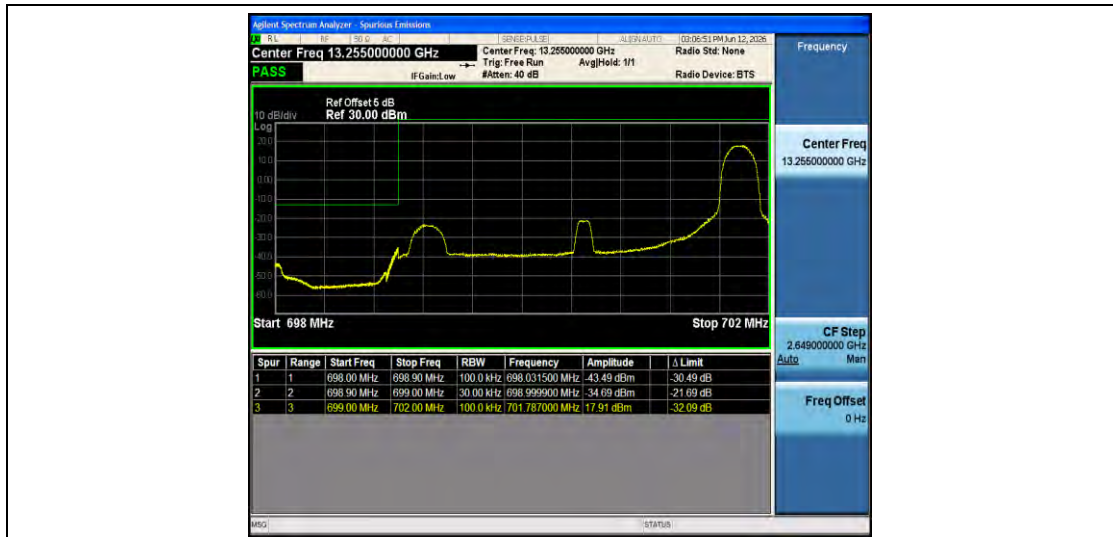
Band12-3MHz-QPSK-23025-1RB#0-PASS



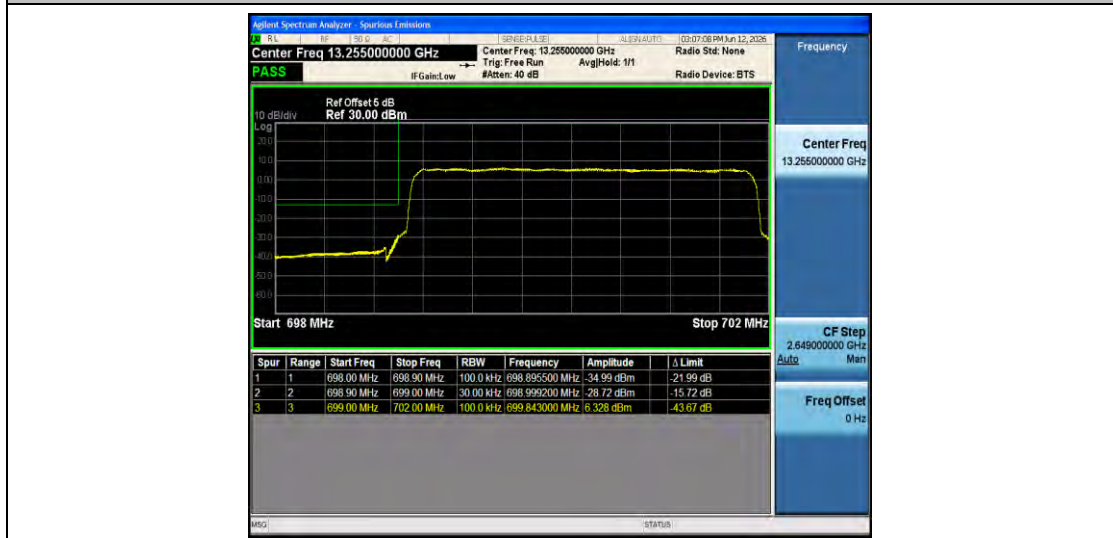
Band12-3MHz-16QAM-23025-1RB#0-PASS



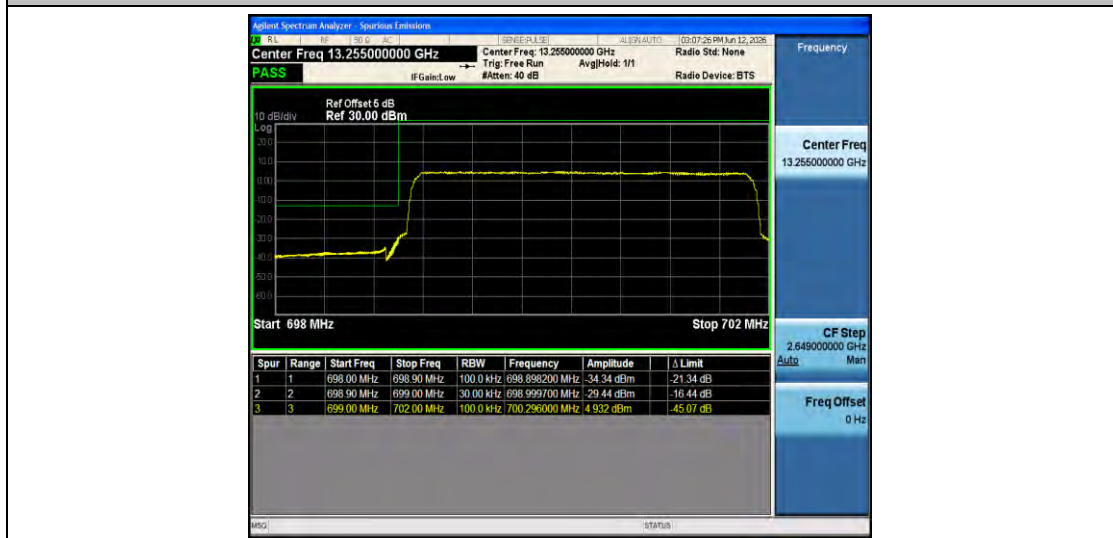
Band12-3MHz-QPSK-23025-1RB#14-PASS



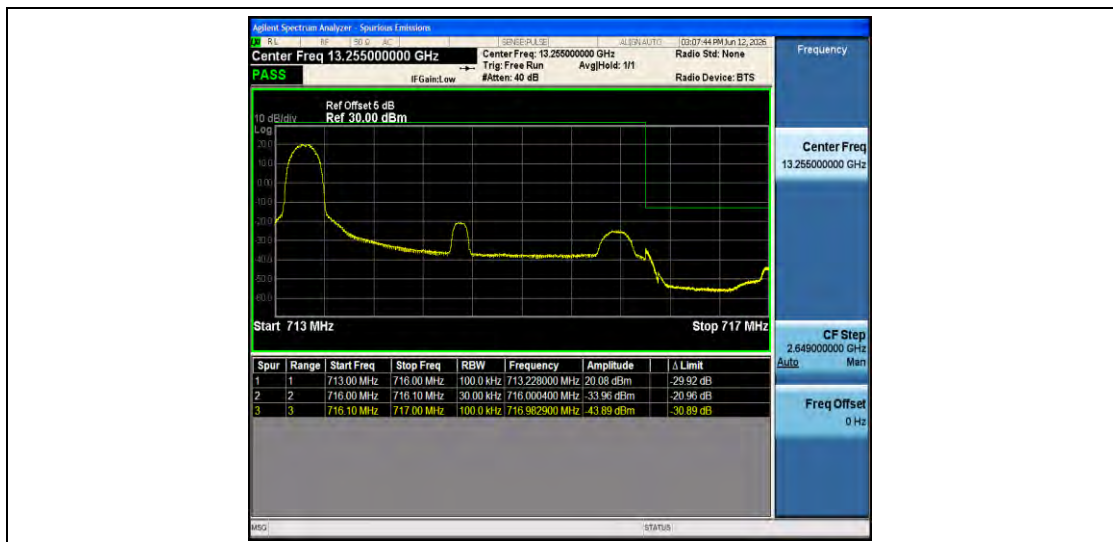
Band12-3MHz-16QAM-23025-1RB#14-PASS



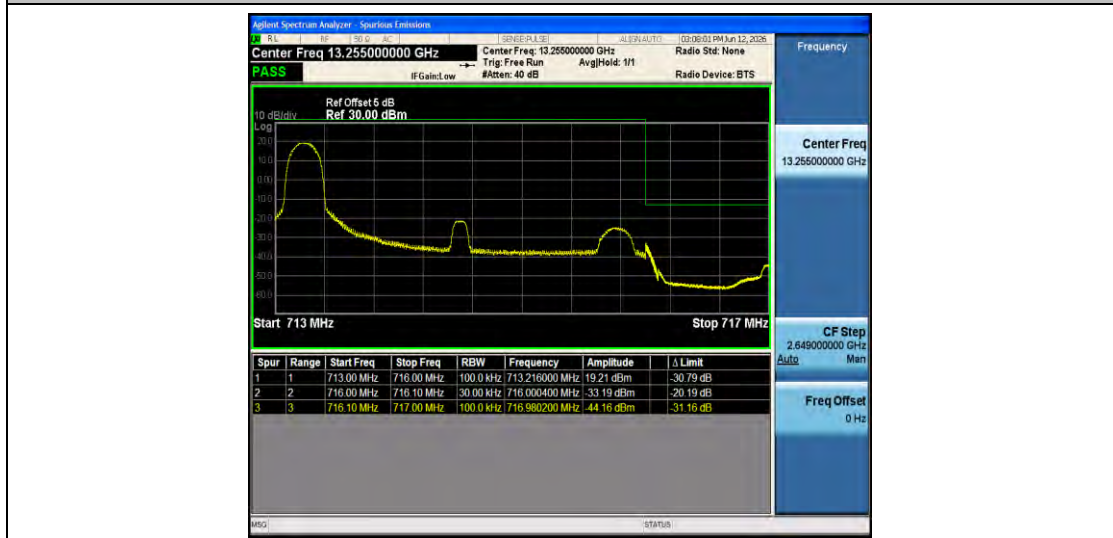
Band12-3MHz-QPSK-23025-15RB#0-PASS



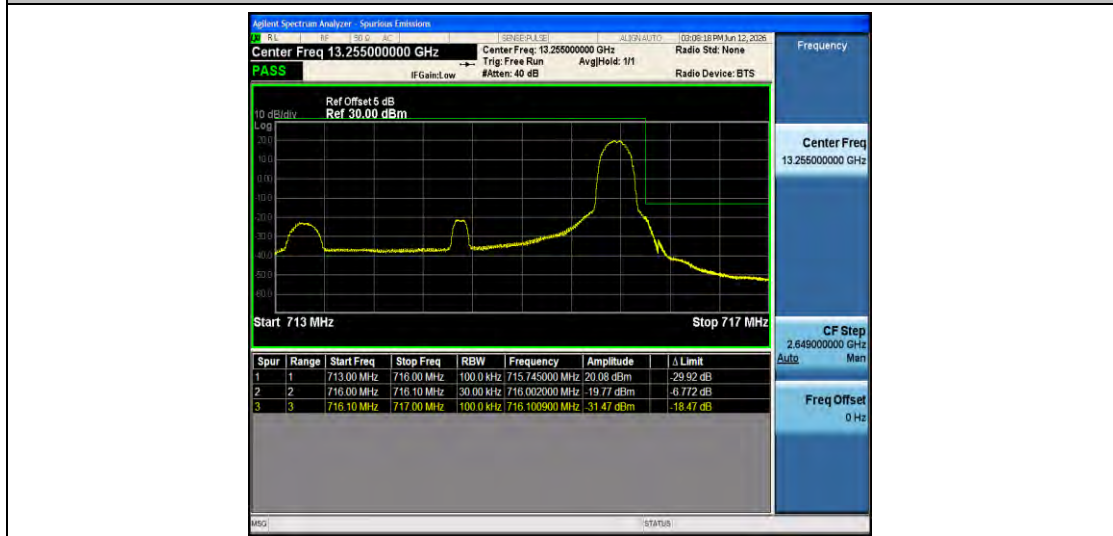
Band12-3MHz-16QAM-23025-15RB#0-PASS



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



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



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



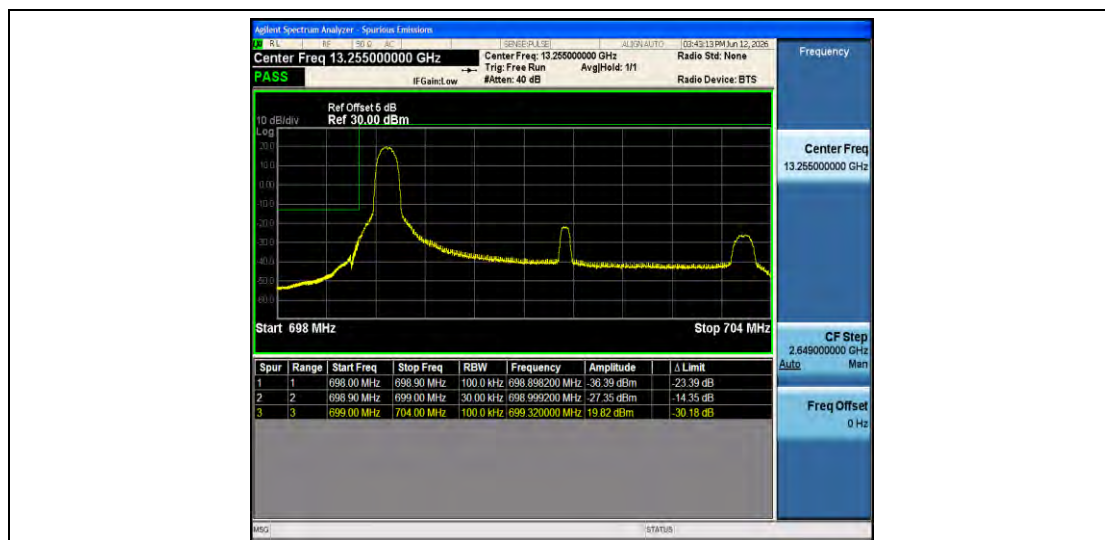
Band12-3MHz-16QAM-23165-1RB#14-PASS



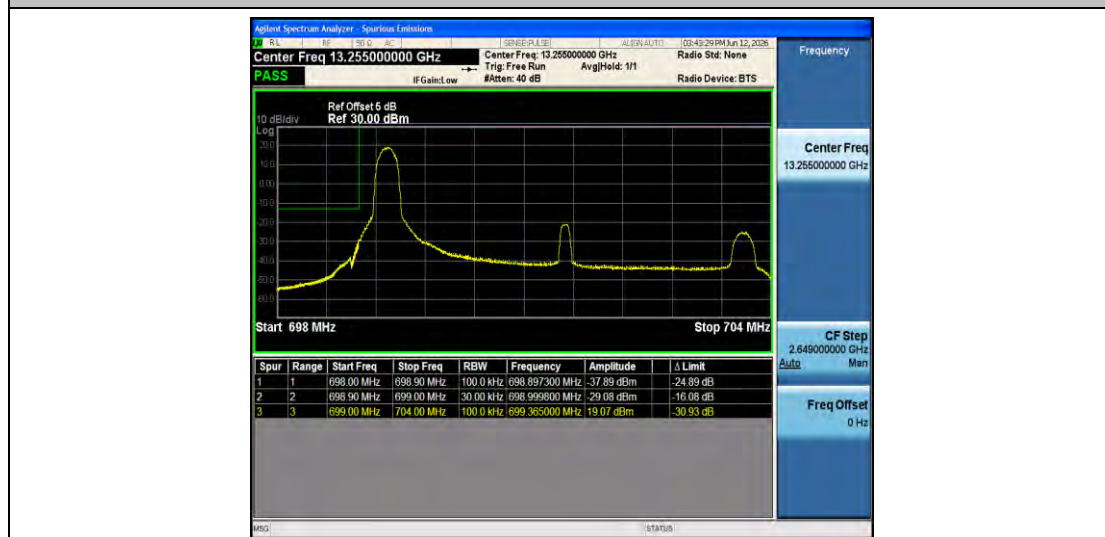
Band12-3MHz-QPSK-23165-15RB#0-PASS



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



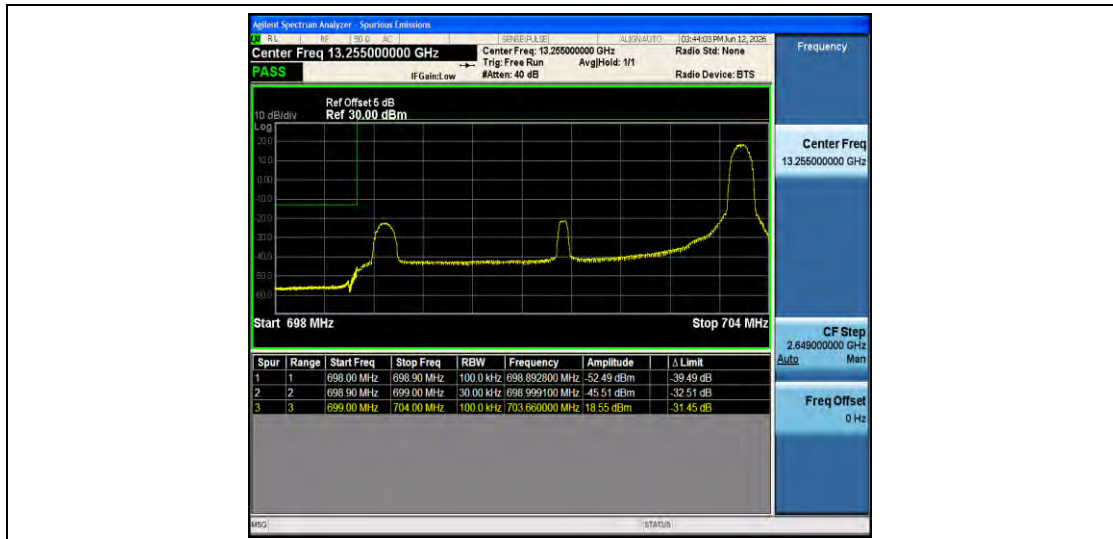
Band12-5MHz-QPSK-23035-1RB#0-PASS



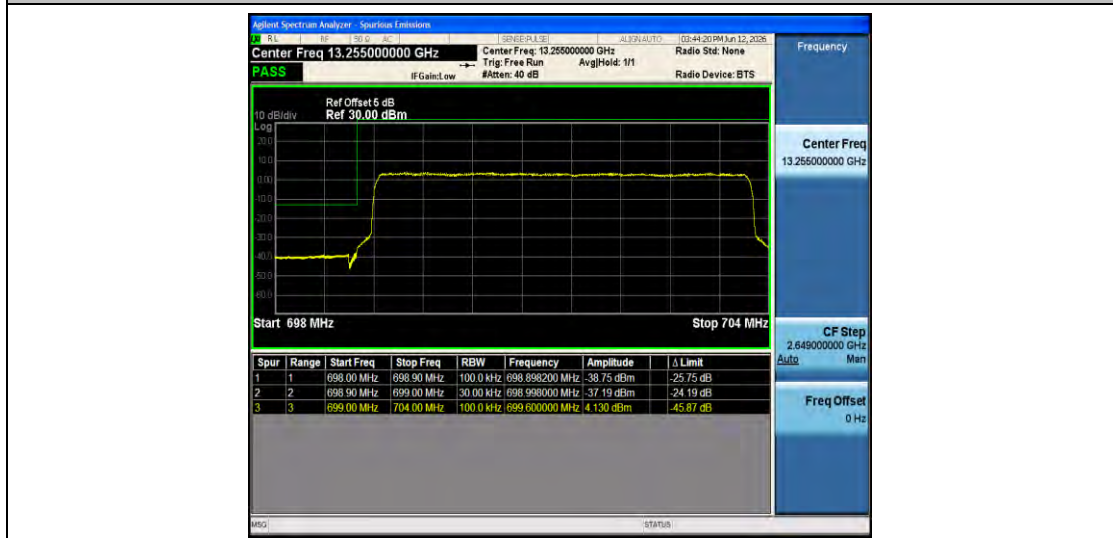
Band12-5MHz-16QAM-23035-1RB#0-PASS



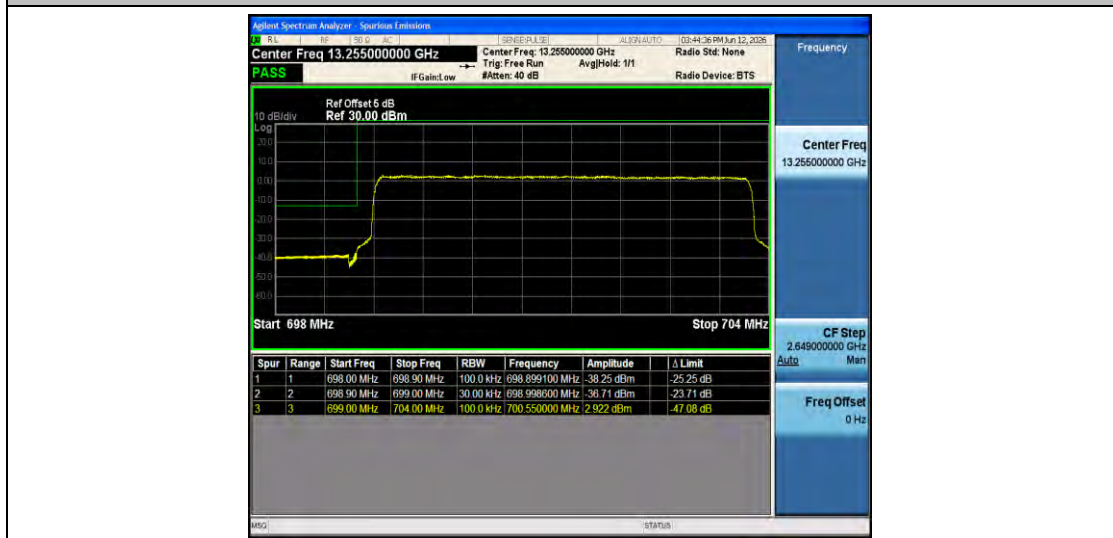
Band12-5MHz-QPSK-23035-1RB#24-PASS



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



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



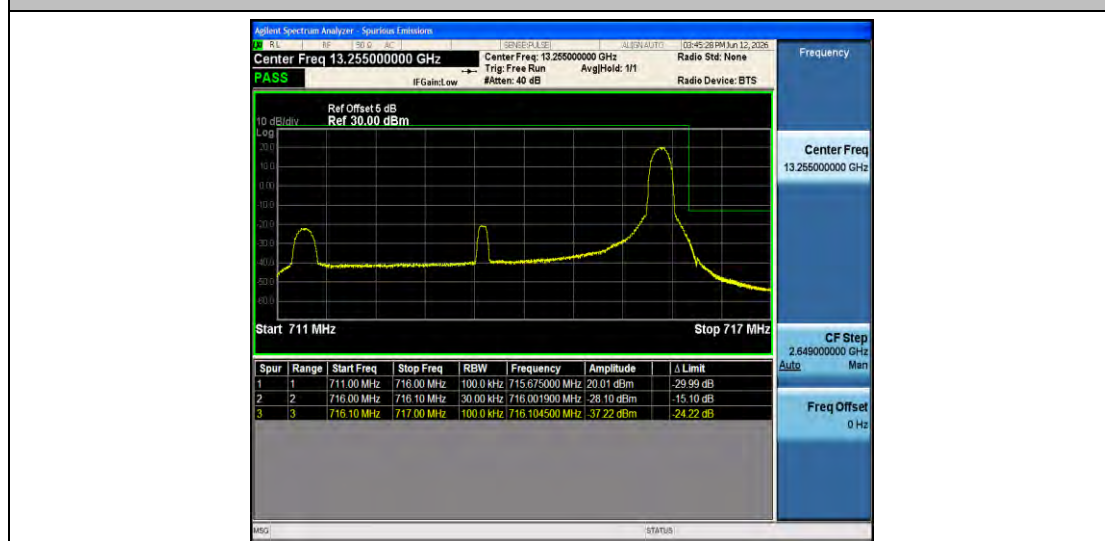
Band12-5MHz-16QAM-23035-25RB#0-PASS



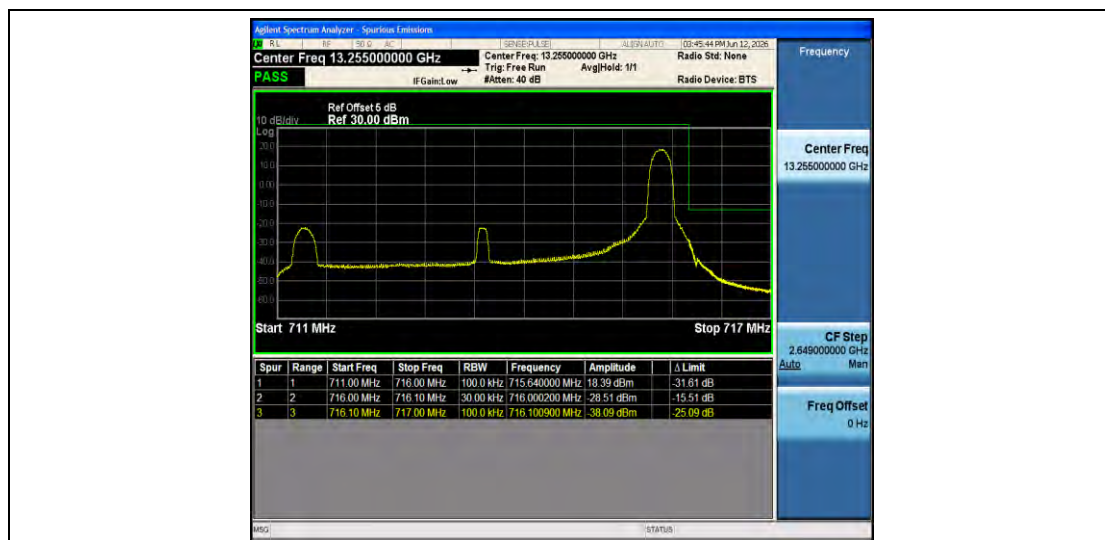
Band12-5MHz-QPSK-23155-1RB#0-PASS



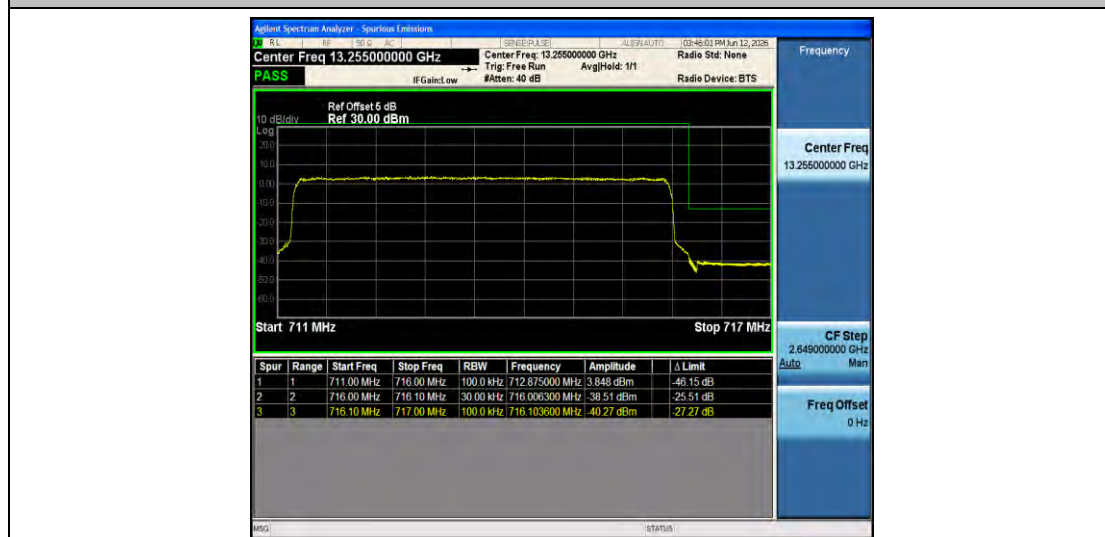
Band12-5MHz-16QAM-23155-1RB#0-PASS



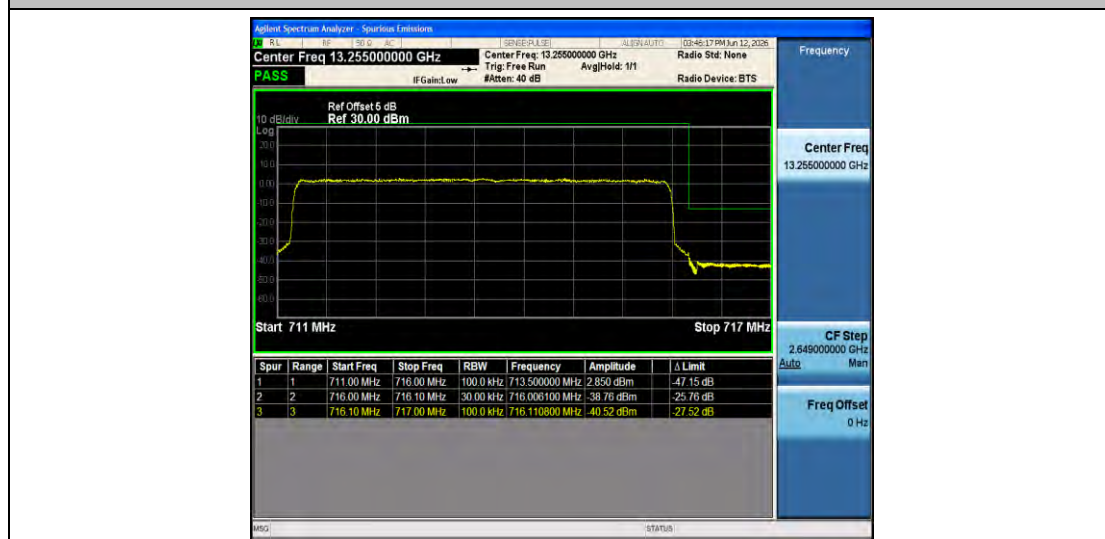
Band12-5MHz-QPSK-23155-1RB#24-PASS



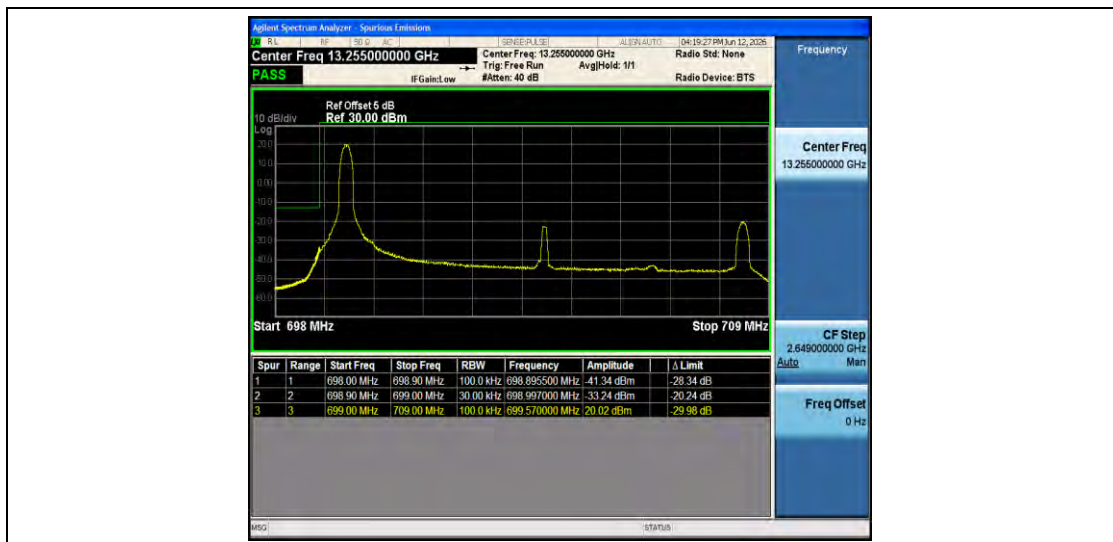
Band12-5MHz-16QAM-23155-1RB#24-PASS



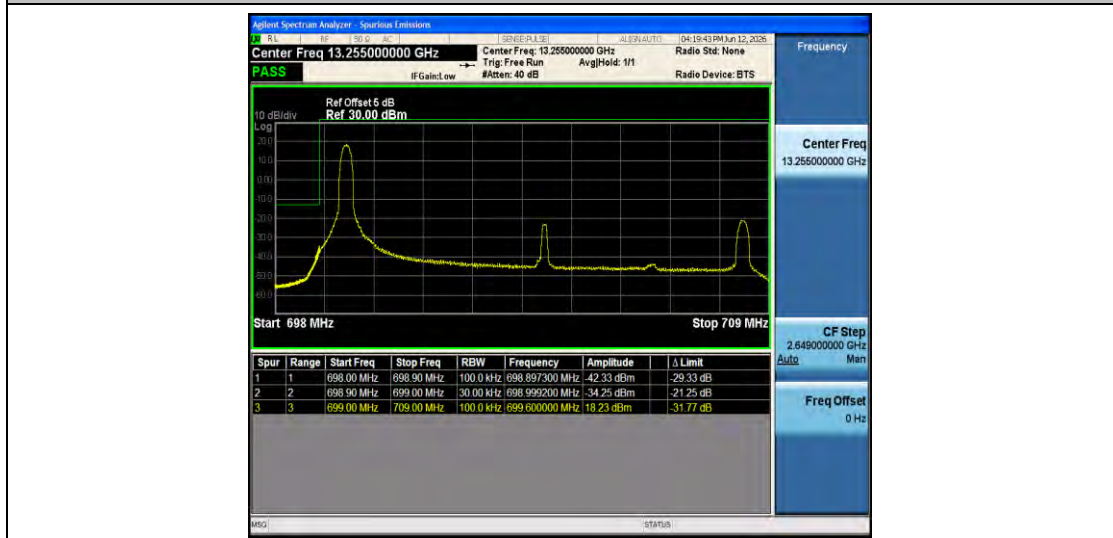
Band12-5MHz-QPSK-23155-25RB#0-PASS



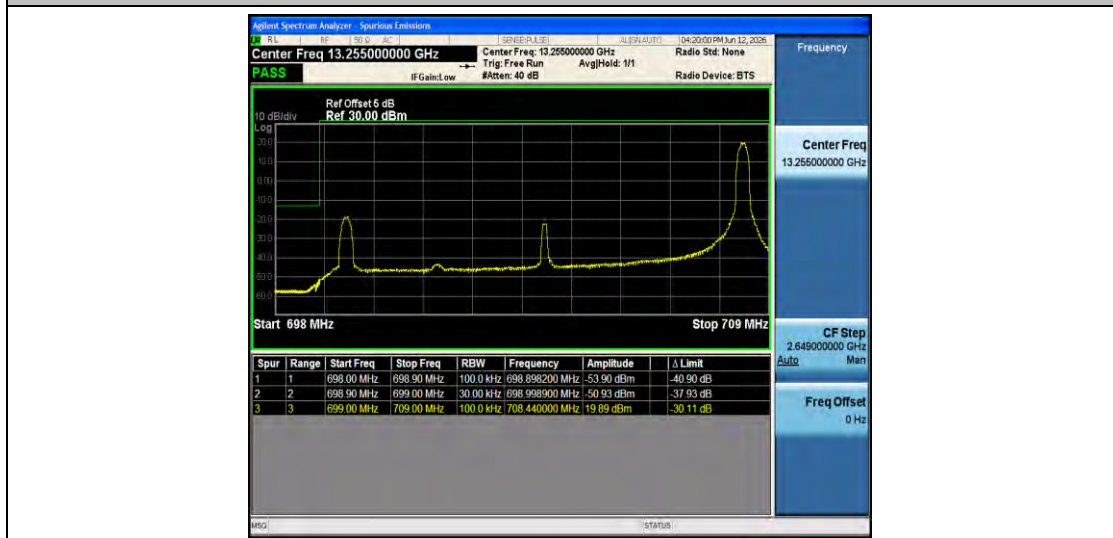
Band12-5MHz-16QAM-23155-25RB#0-PASS



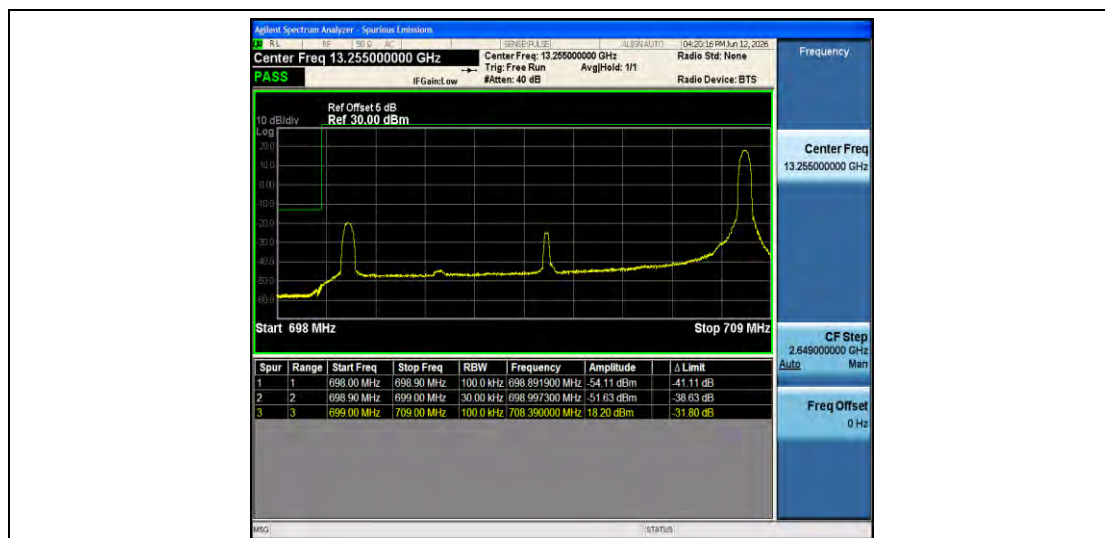
Band12-10MHz-QPSK-23060-1RB#0-PASS



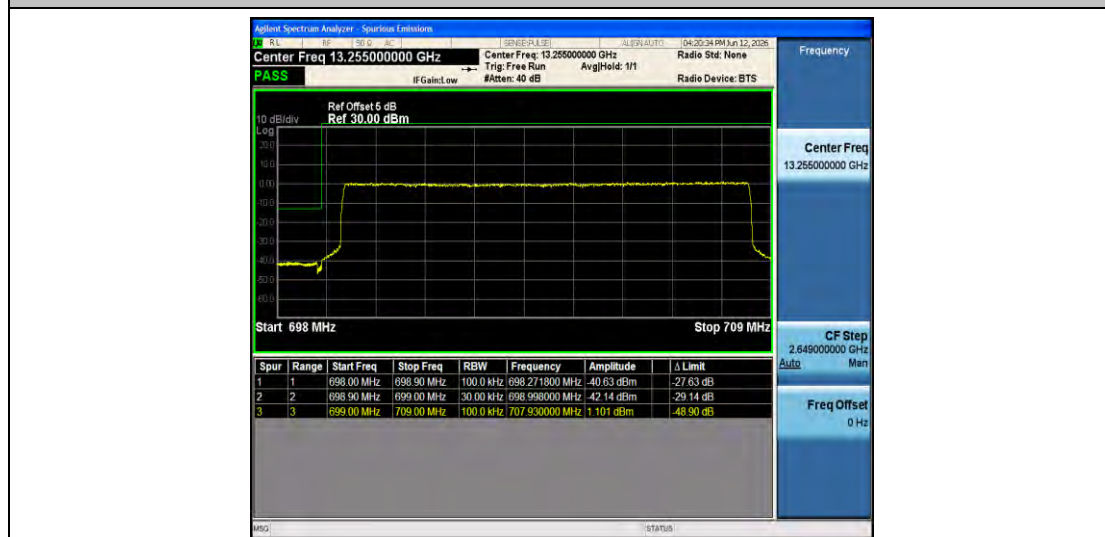
Band12-10MHz-16QAM-23060-1RB#0-PASS



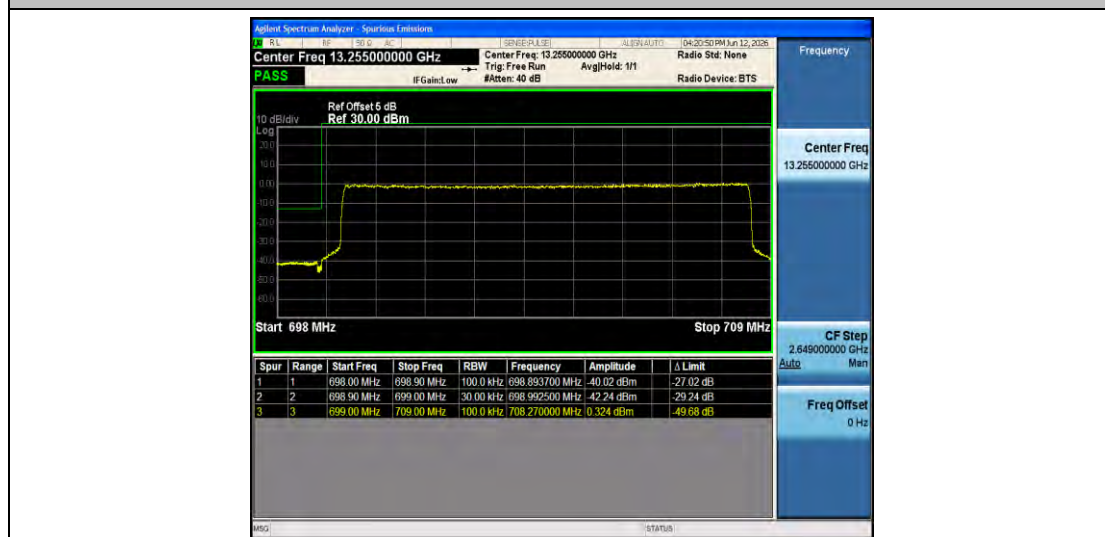
Band12-10MHz-QPSK-23060-1RB#49-PASS



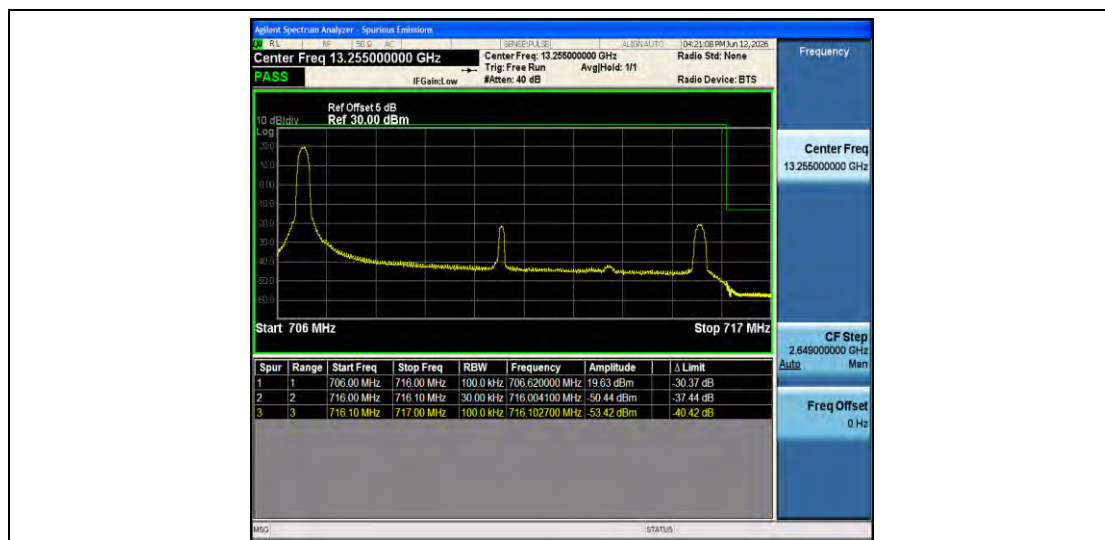
Band12-10MHz-16QAM-23060-1RB#49-PASS



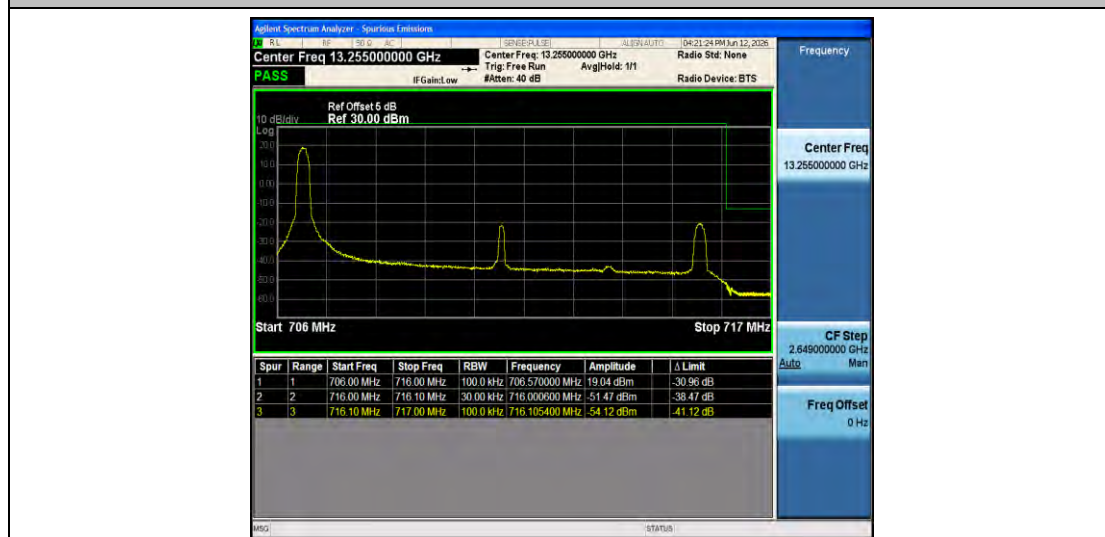
Band12-10MHz-QPSK-23060-50RB#0-PASS



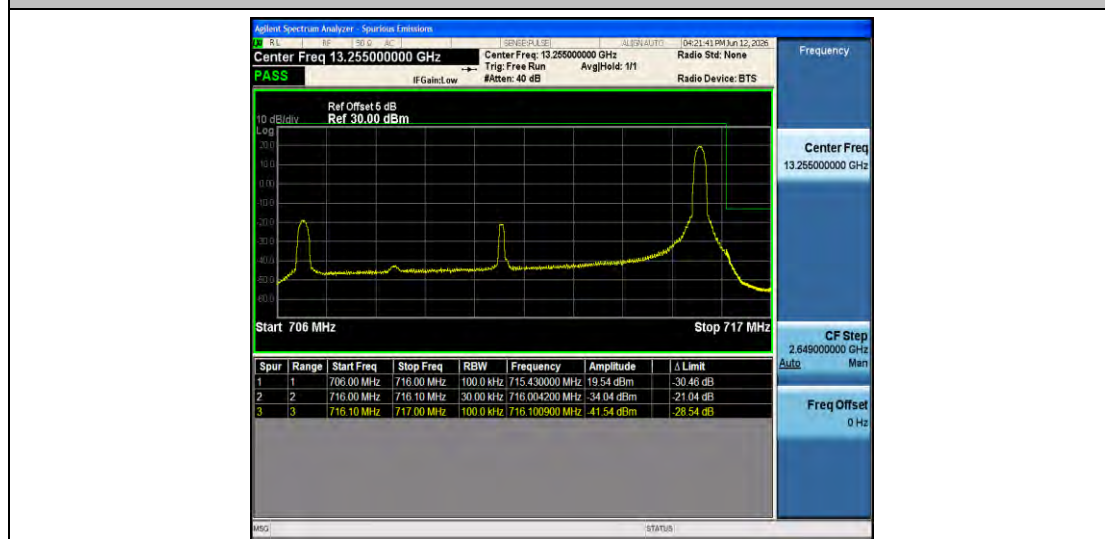
Band12-10MHz-16QAM-23060-50RB#0-PASS



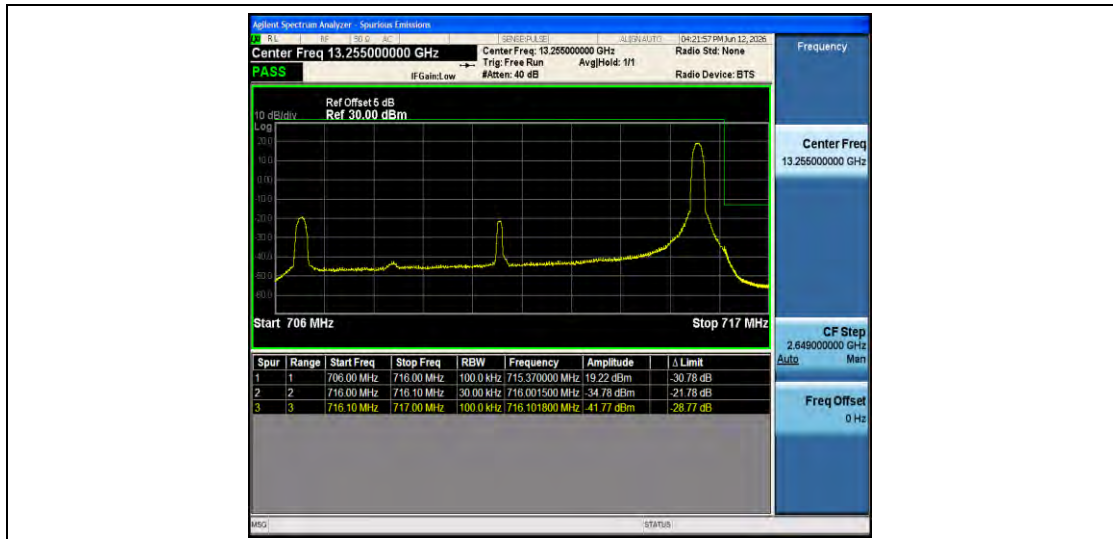
Band12-10MHz-QPSK-23130-1RB#0-PASS



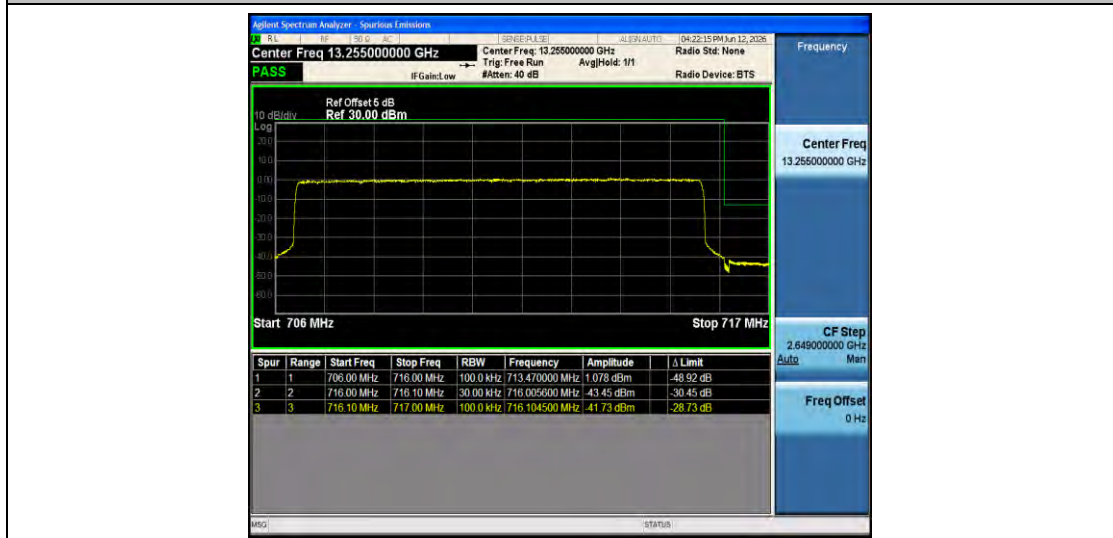
Band12-10MHz-16QAM-23130-1RB#0-PASS



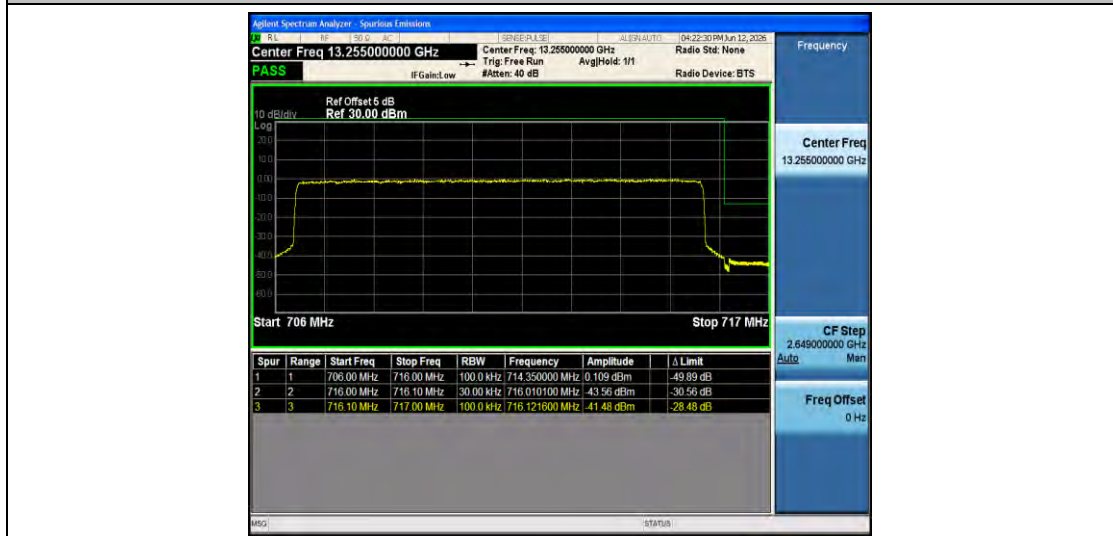
Band12-10MHz-QPSK-23130-1RB#49-PASS



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



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



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

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	-39.20	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-54.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-37.19	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-35.45	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-48.03	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-38.87	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.72	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-37.64	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-34.07	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-48.18	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-35.79	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-53.05	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-63.25	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-41.71	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-47.96	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-36.23	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-54.18	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-63.34	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-42.65	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-48.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-37.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-53.36	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-54.63	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-35.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-48.44	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-38.06	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-55.07	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-53.25	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-36.90	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-48.24	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-38.57	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-54.67	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-41.82	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-35.61	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-48.39	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-38.48	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-54.06	PASS

Band12	3MHz	16QAM	23025	1RB#0	30~1000	-43.35	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-34.34	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-48.10	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-37.66	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-53.79	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-60.96	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-42.25	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-47.79	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-38.73	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-51.97	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-62.15	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-44.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-47.76	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-38.49	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-54.17	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-30.96	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-35.42	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-48.10	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-36.32	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-54.69	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-31.16	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-35.89	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-47.88	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-37.54	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-53.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-45.31	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-34.84	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-48.21	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-35.98	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-53.91	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-46.37	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-35.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-48.32	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-37.54	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-54.17	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-40.03	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-41.62	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-48.12	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-37.68	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.58	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-38.11	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-43.03	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-47.79	PASS

Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-39.07	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-53.30	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-33.60	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-37.82	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-48.09	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-38.45	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.00	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-36.15	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-39.60	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-48.23	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-37.21	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-55.60	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-27.14	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-35.16	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-48.21	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-37.44	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-54.71	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-28.84	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-35.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-48.45	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-37.12	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-54.42	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-31.72	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-37.58	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-48.28	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-37.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-55.05	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-33.19	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-37.87	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-48.20	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-37.06	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-55.61	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-44.53	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.50	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-48.07	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-39.79	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-53.10	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-44.48	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-40.39	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-48.24	PASS