FCC LTE Band Test Data

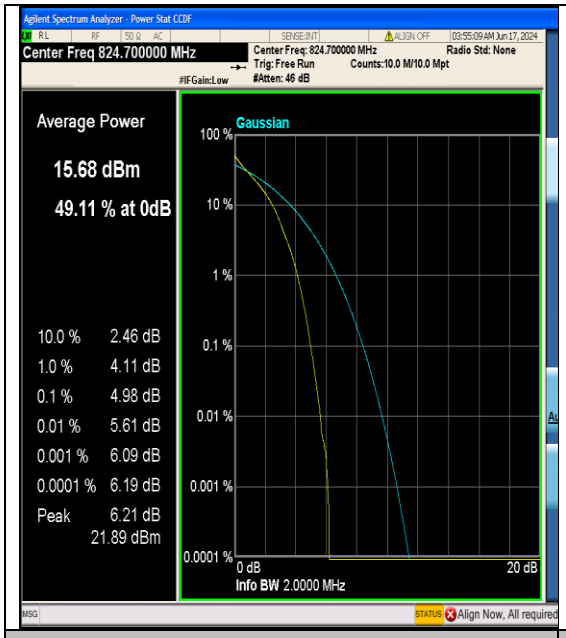
FCC ID	**:**	**2BCQ3FLY100**
Company:	**:**	**A3 MOBILE SAS**
EUT	**:**	**Mobile Phone**
Model Number	**:**	**FY-100**
Reviewed By	**:**	**Eric Wang**

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

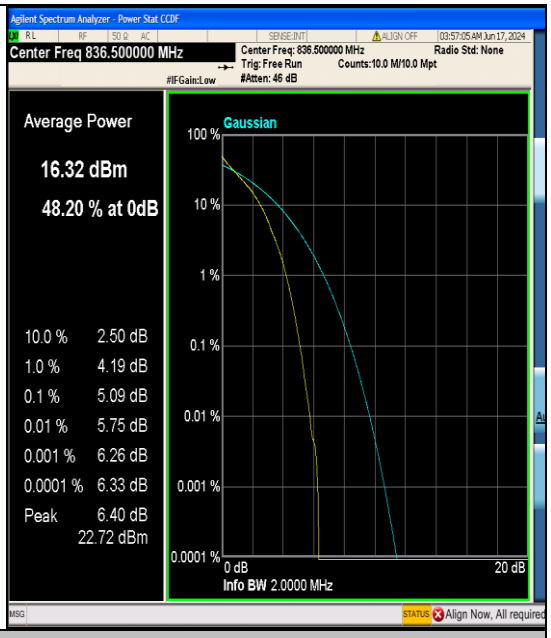
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	4.98	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.09	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.42	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.71	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.84	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.20	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.08	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.11	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.35	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.43	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.36	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.52	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.08	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.01	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.15	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.67	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.33	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.35	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.07	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.96	13	PASS

Test Graphs



Band5-1.4MHz-QPSK-20407-6RB#0-PASS



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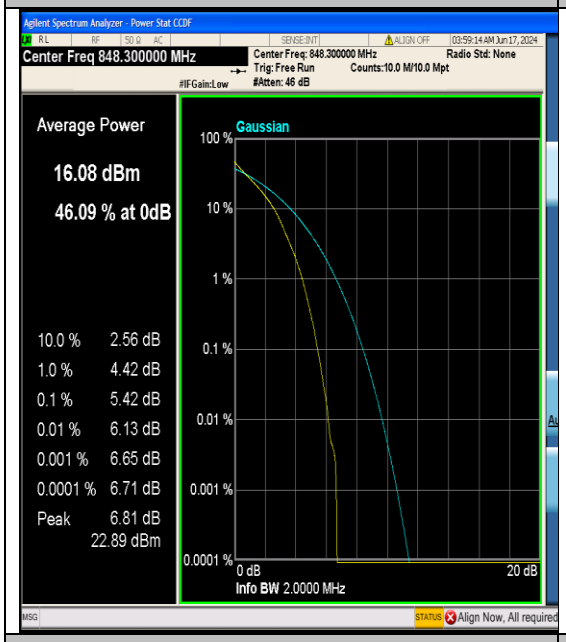

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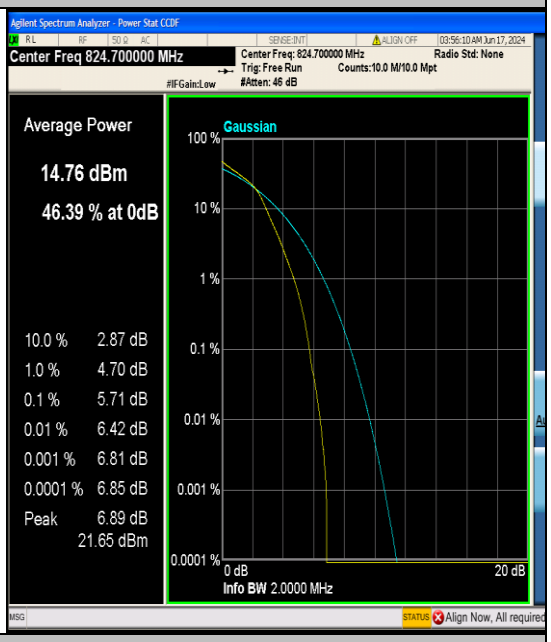

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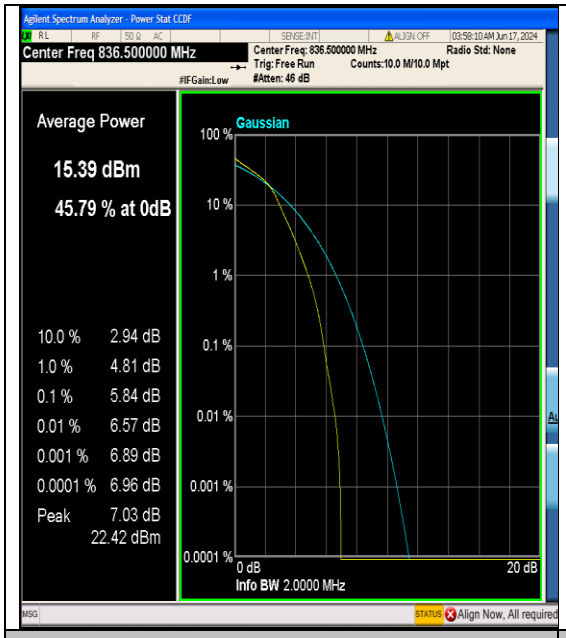

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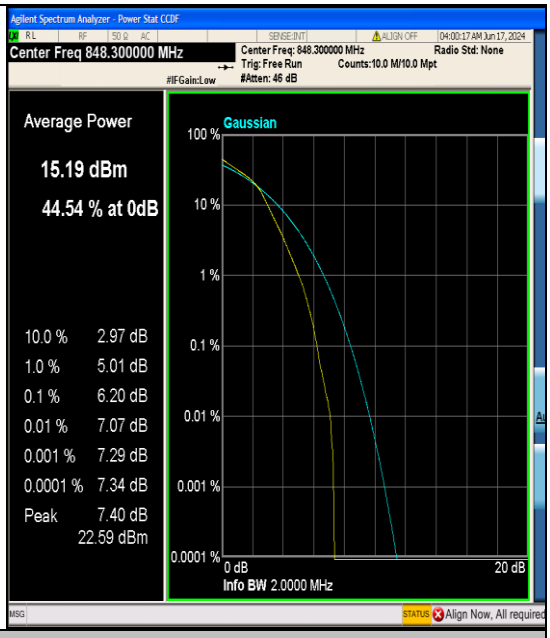

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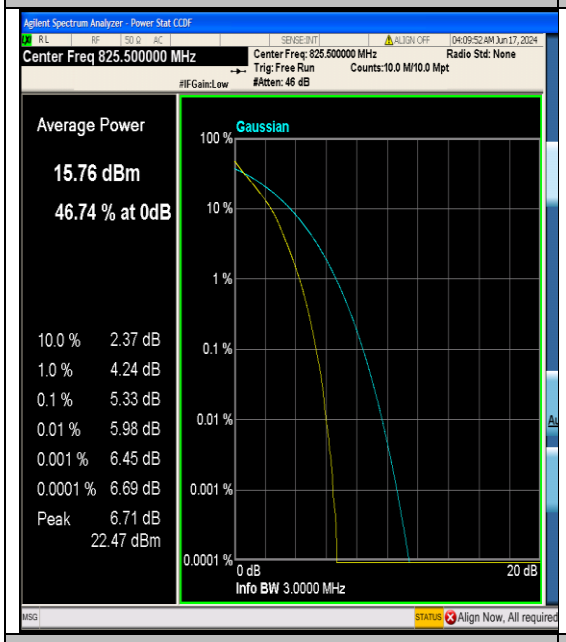
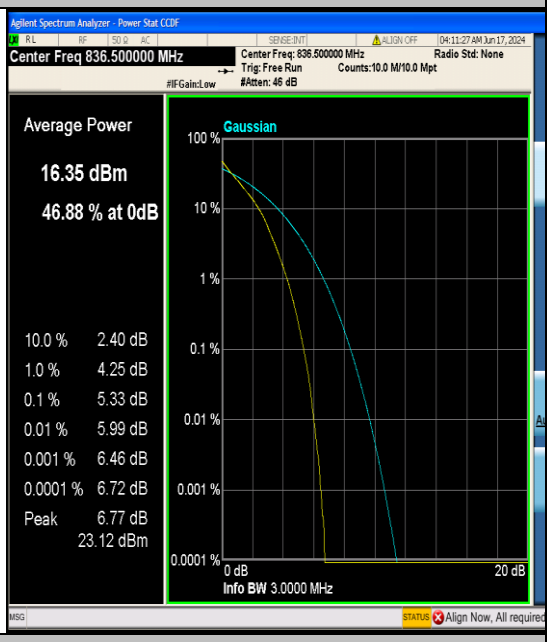


Band5-3MHz-QPSK-20415-15RB#0-PASS



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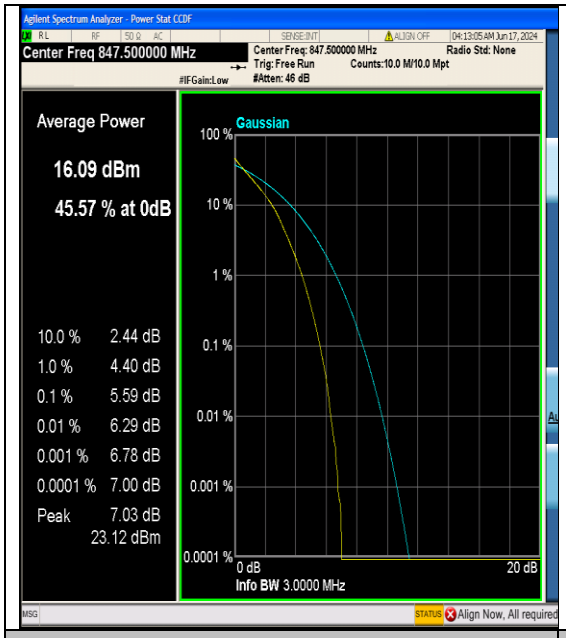

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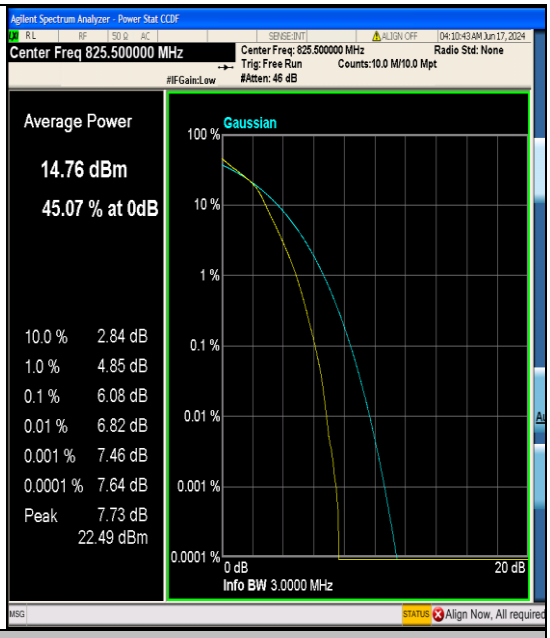

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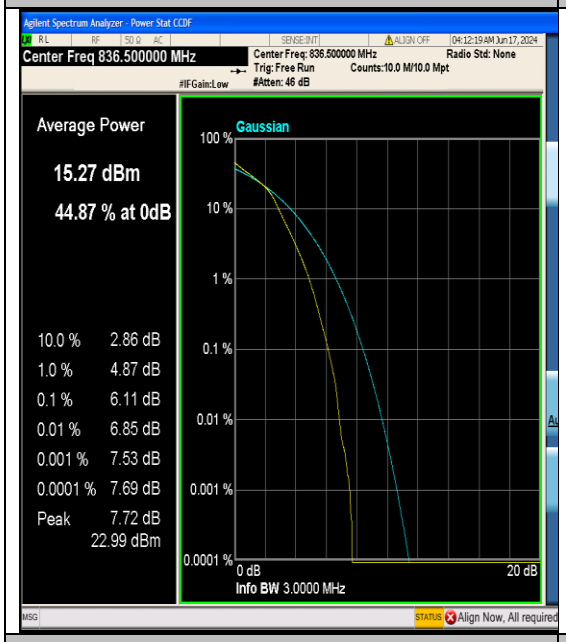

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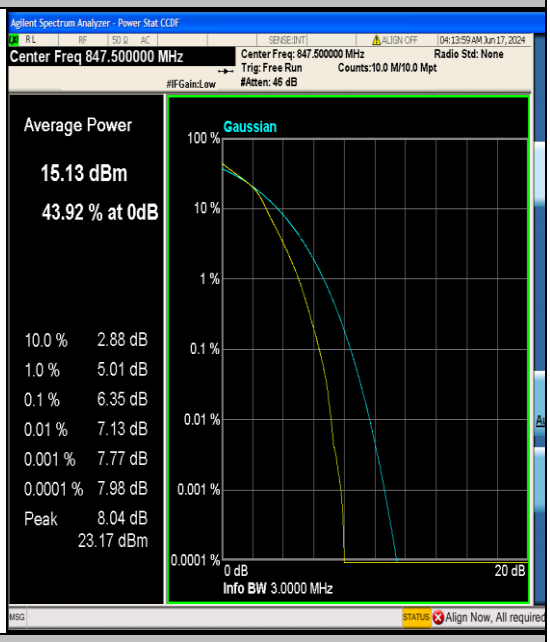

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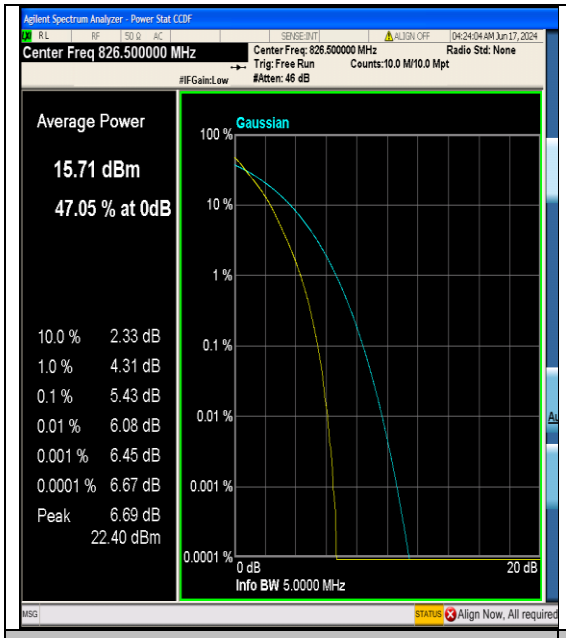
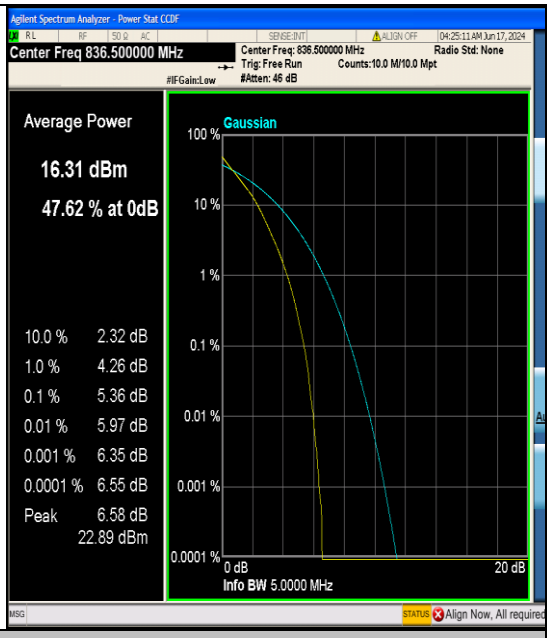


Band5-5MHz-QPSK-20425-25RB#0-PASS



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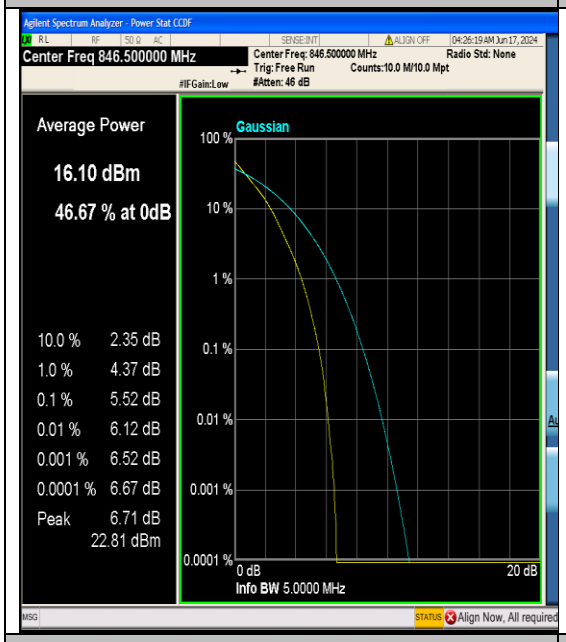

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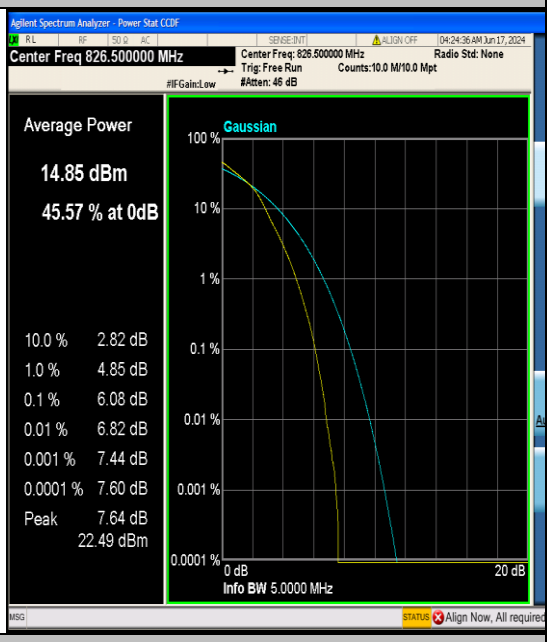

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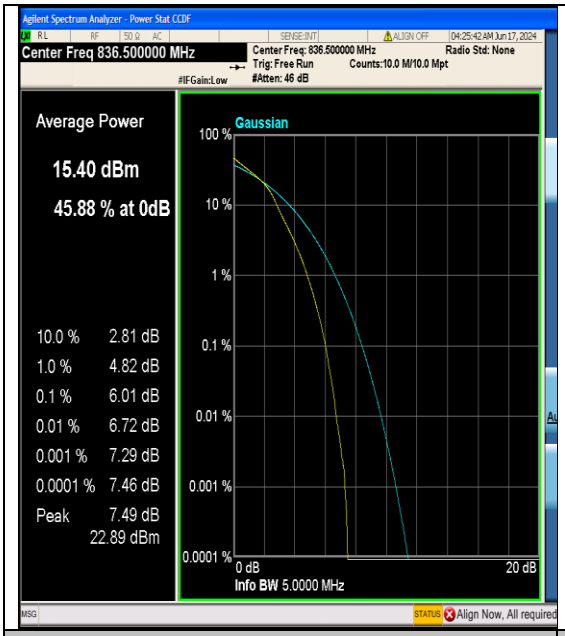

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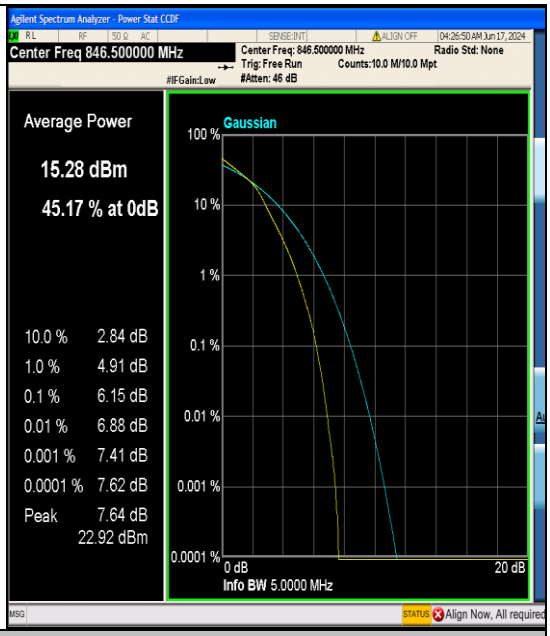

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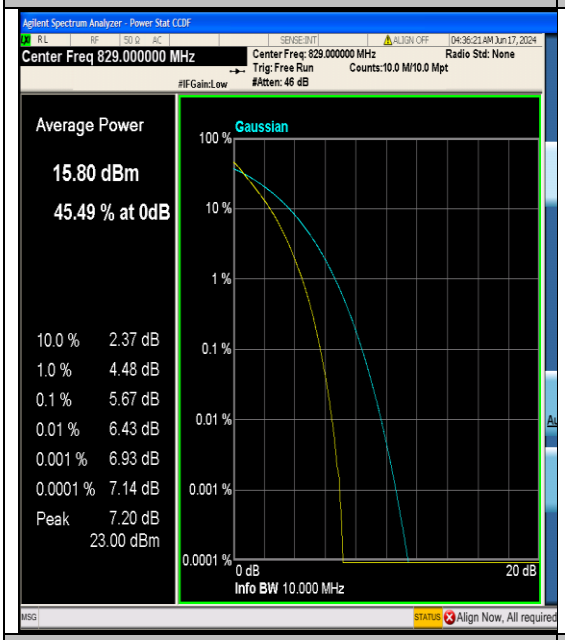
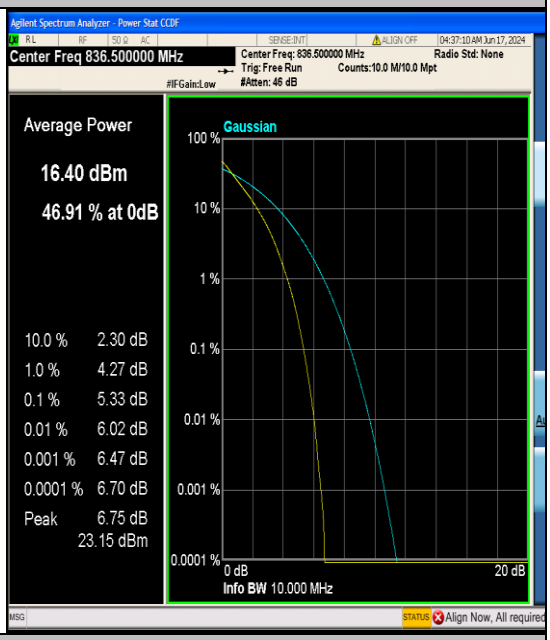
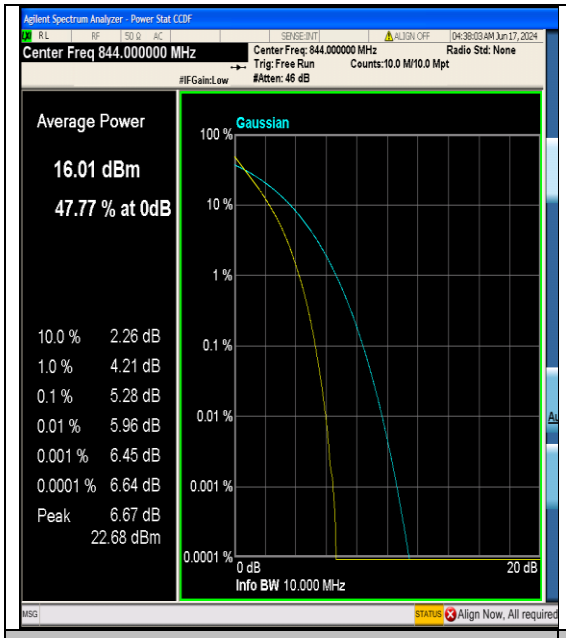


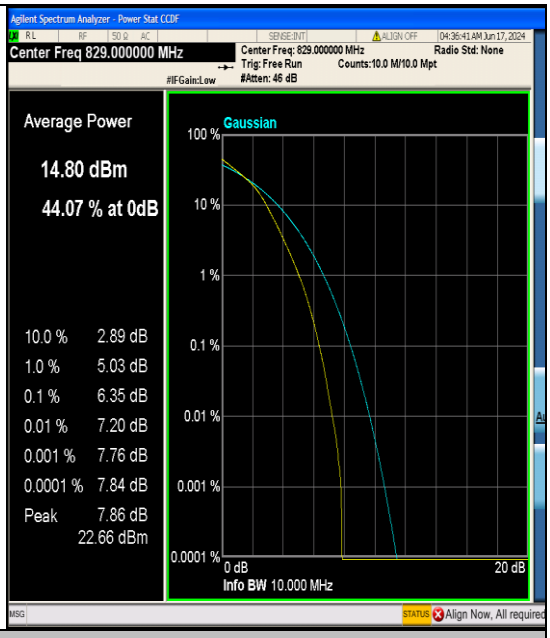
Band5-10MHz-QPSK-20450-50RB#0-PASS



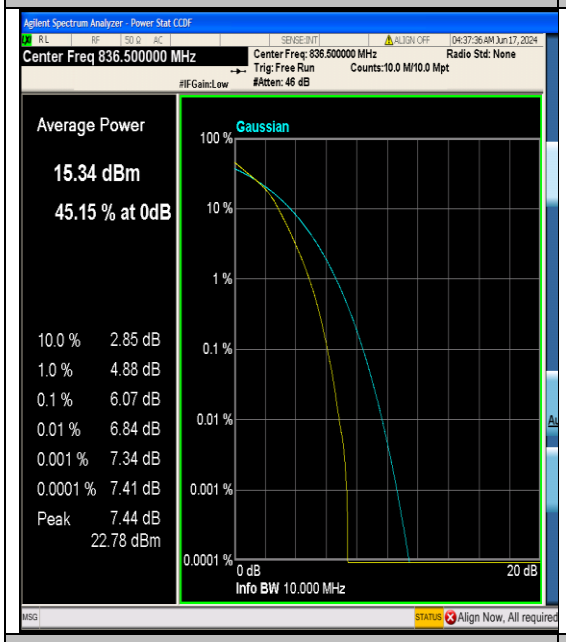
Band5-10MHz-QPSK-20525-50RB#0-PASS



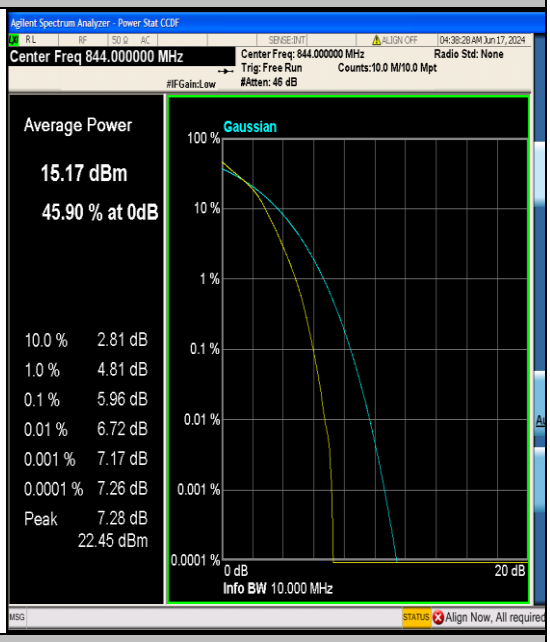
Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



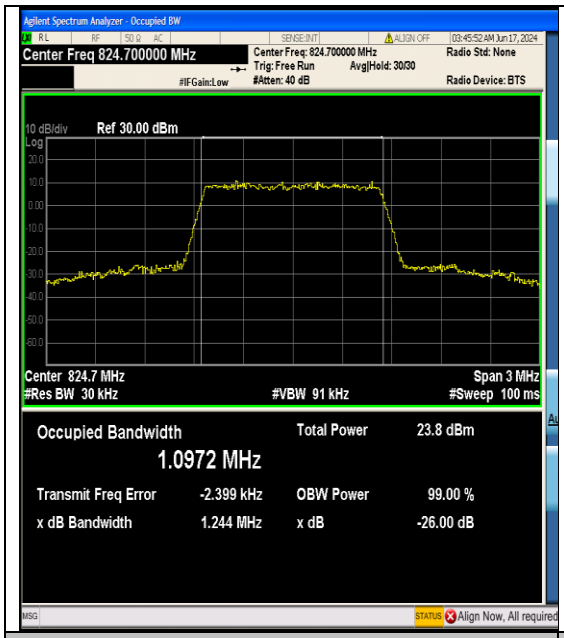
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

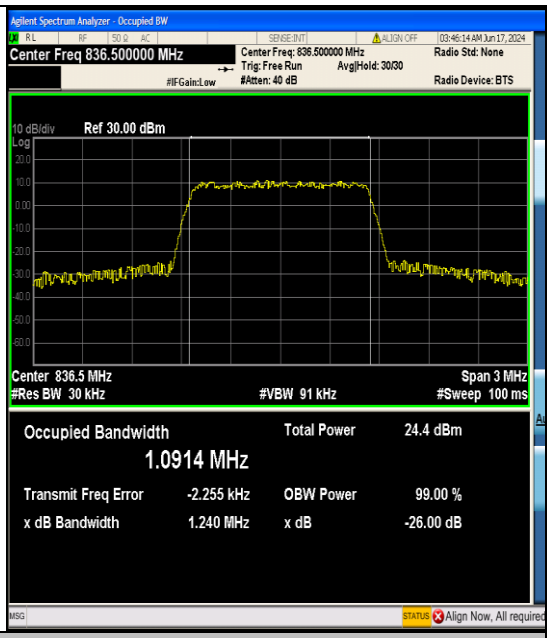
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0972	1.244	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0914	1.240	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0910	1.243	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1006	1.251	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1024	1.243	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1015	1.249	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7128	3.010	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7127	3.012	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7078	3.026	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6968	3.028	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6985	3.016	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7021	3.020	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5047	4.972	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5068	4.976	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5039	4.980	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5013	4.954	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4982	4.969	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5036	4.965	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0243	9.904	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9950	9.894	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9846	9.895	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0053	9.939	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9875	9.892	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9615	9.921	PASS

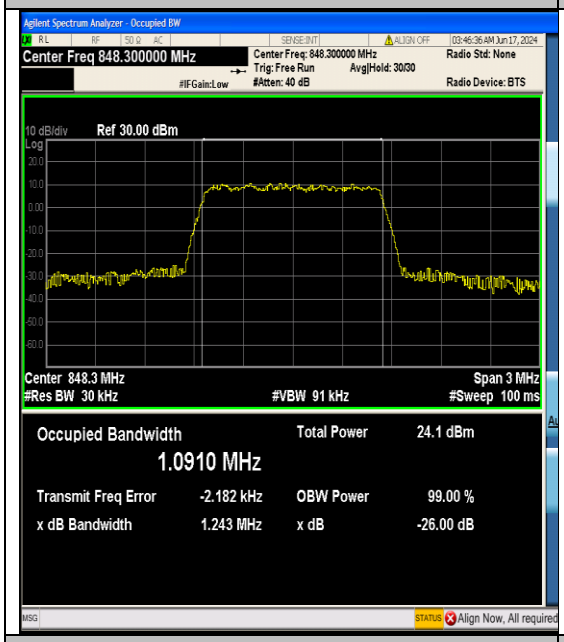
Test Graphs



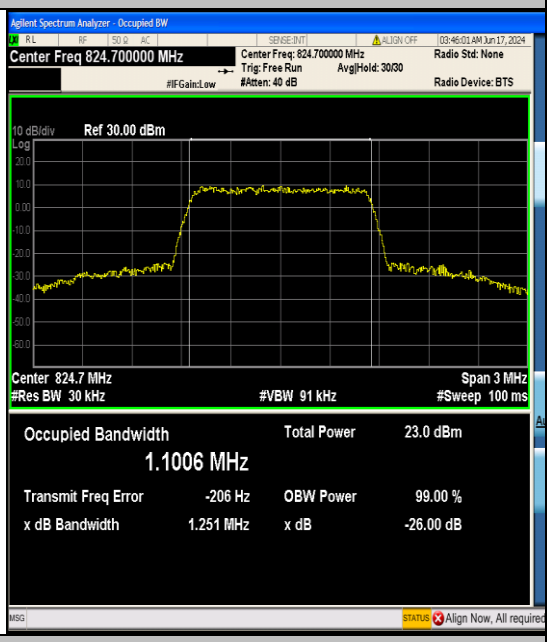
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



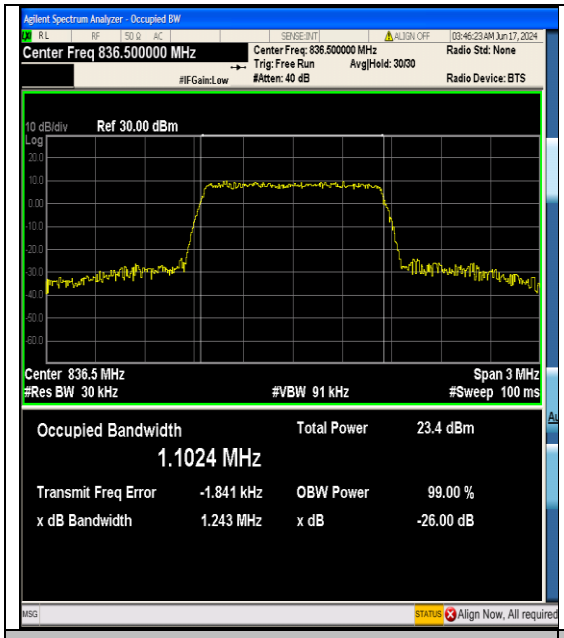
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



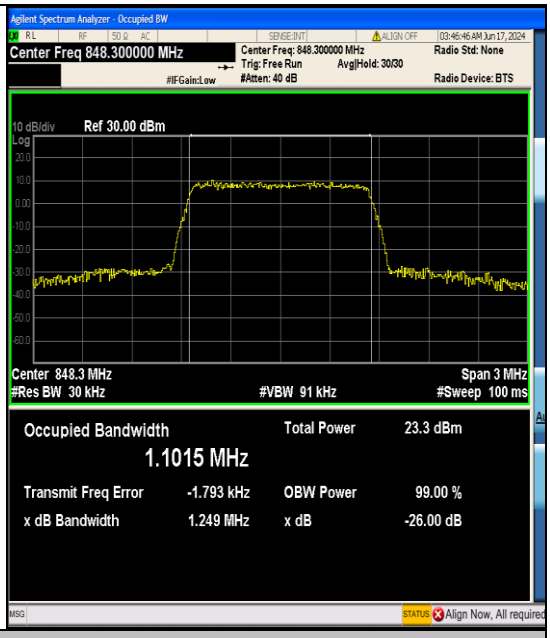
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



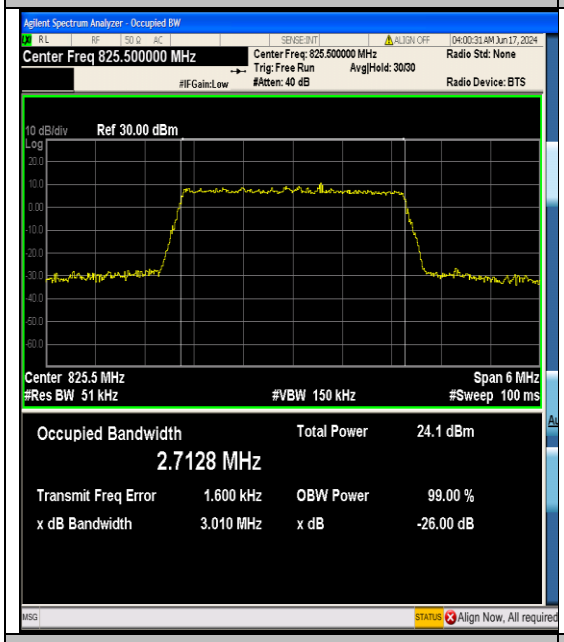
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



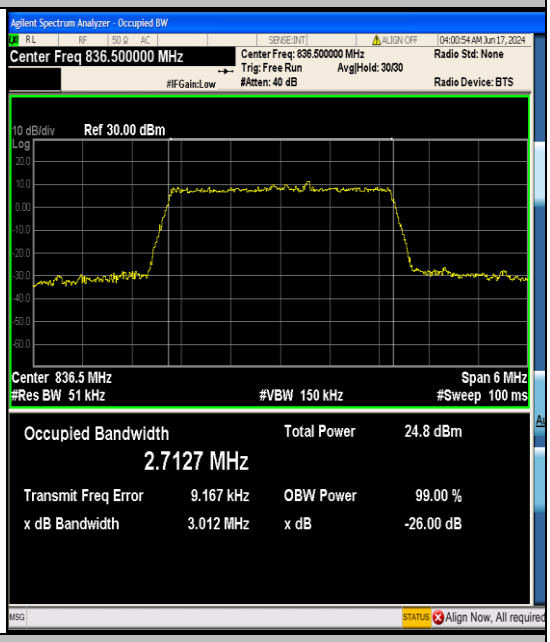
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



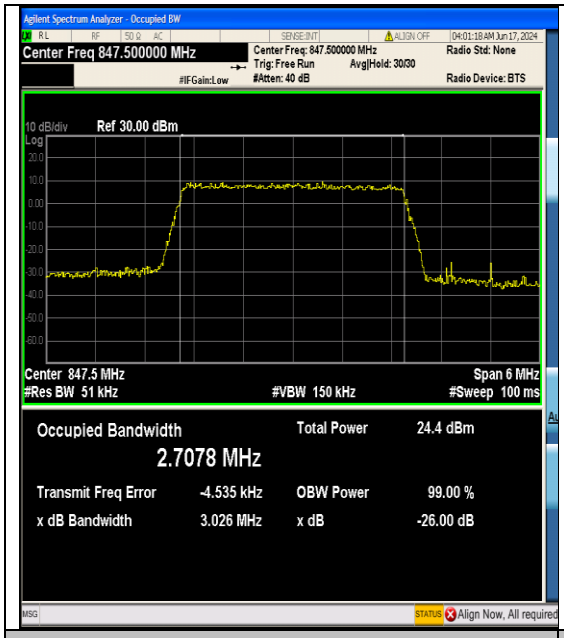
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



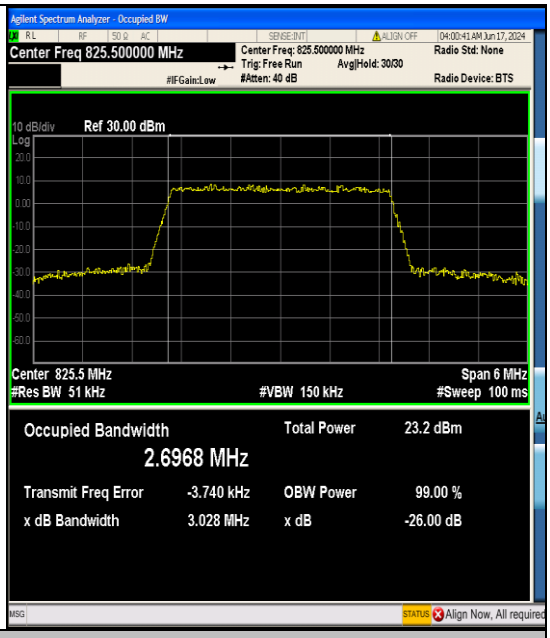
Band5-3MHz-QPSK-20415-15RB#0-PASS



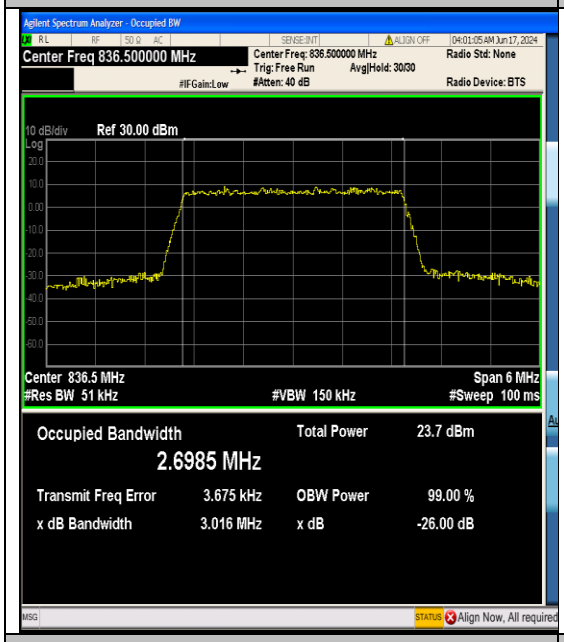
Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-QPSK-20635-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS



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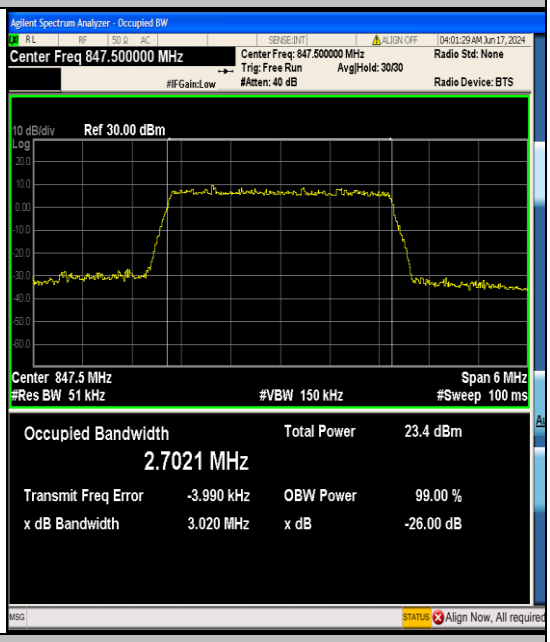
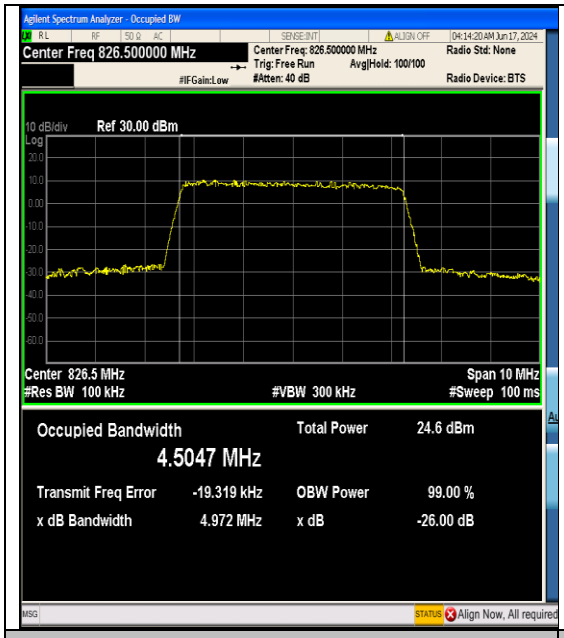
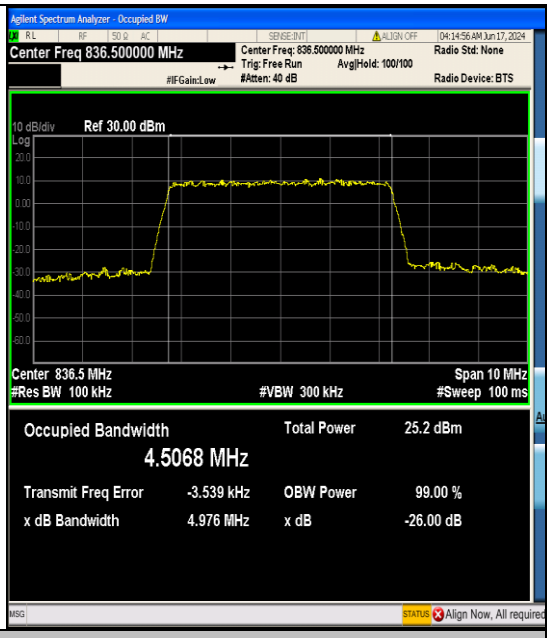


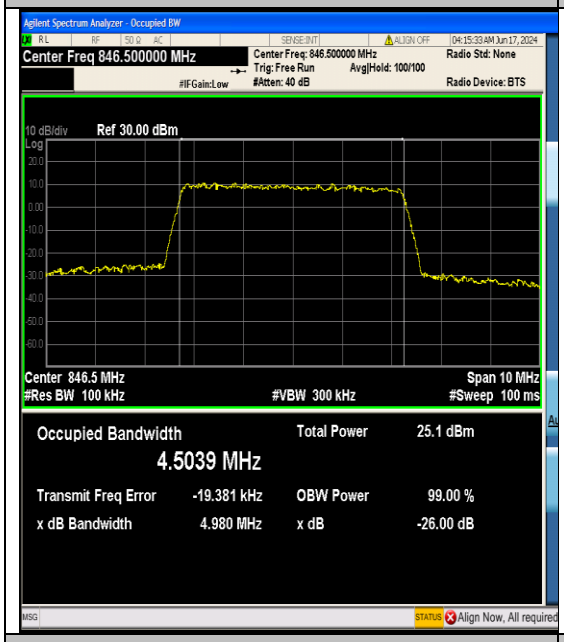
Band5-3MHz-16QAM-20635-15RB#0-PASS



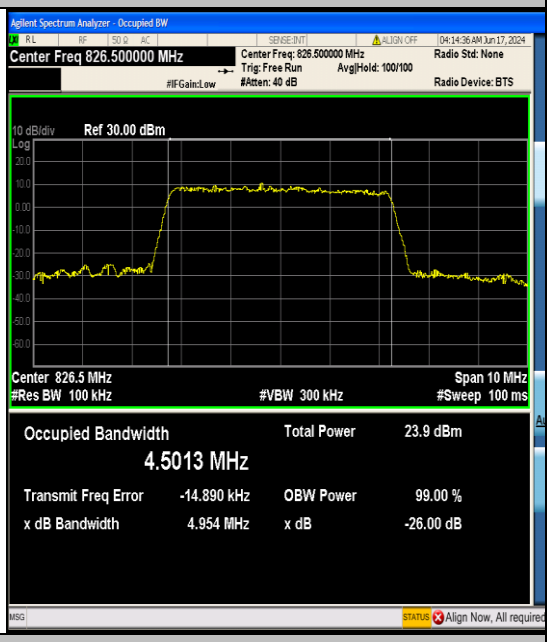
Band5-5MHz-QPSK-20425-25RB#0-PASS



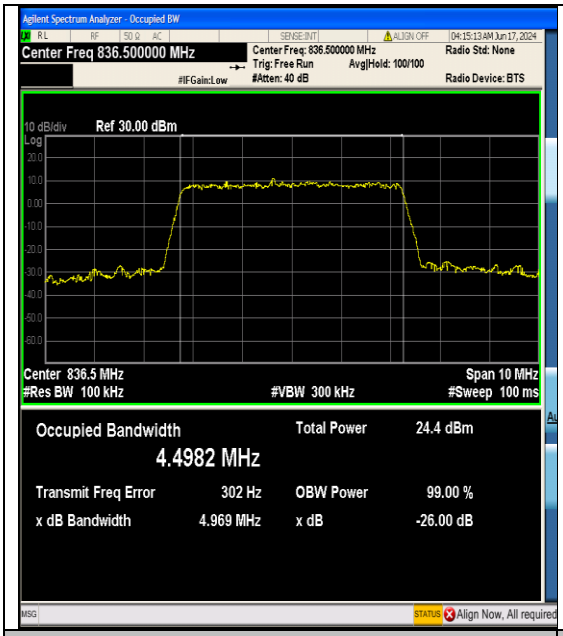
Band5-5MHz-QPSK-20525-25RB#0-PASS



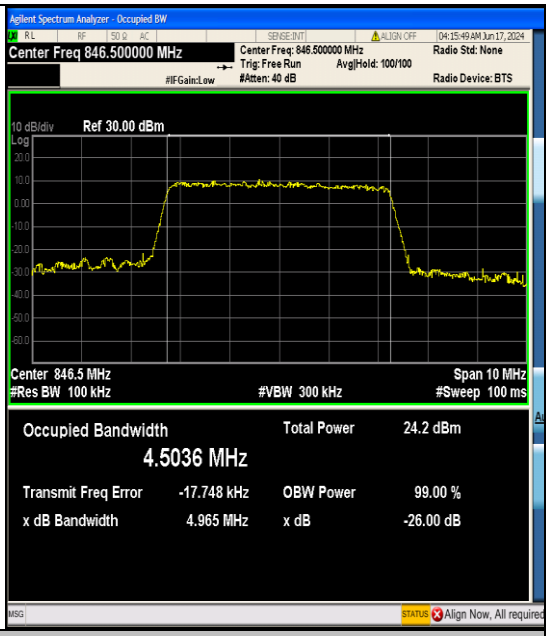
Band5-5MHz-QPSK-20625-25RB#0-PASS



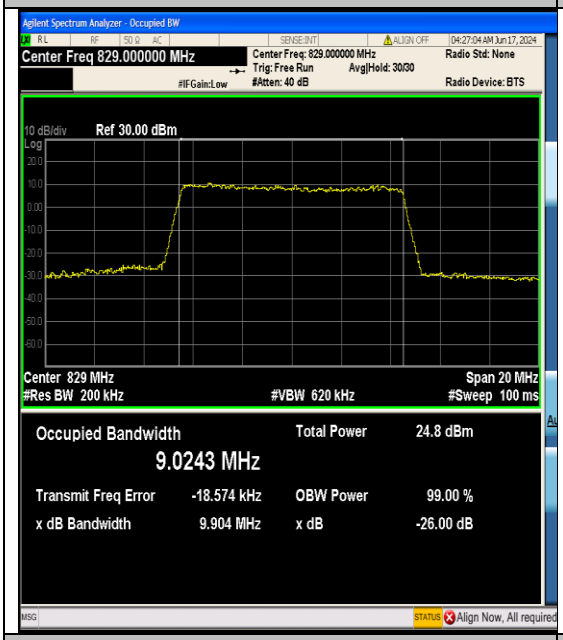
Band5-5MHz-16QAM-20425-25RB#0-PASS



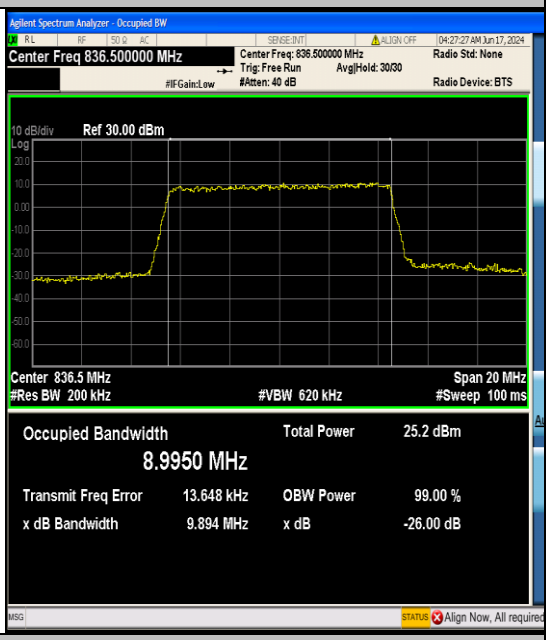
Band5-5MHz-16QAM-20525-25RB#0-PASS



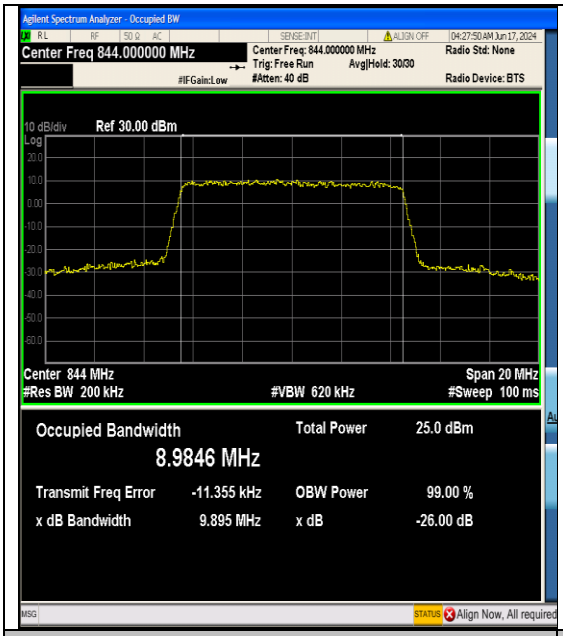
Band5-5MHz-16QAM-20625-25RB#0-PASS



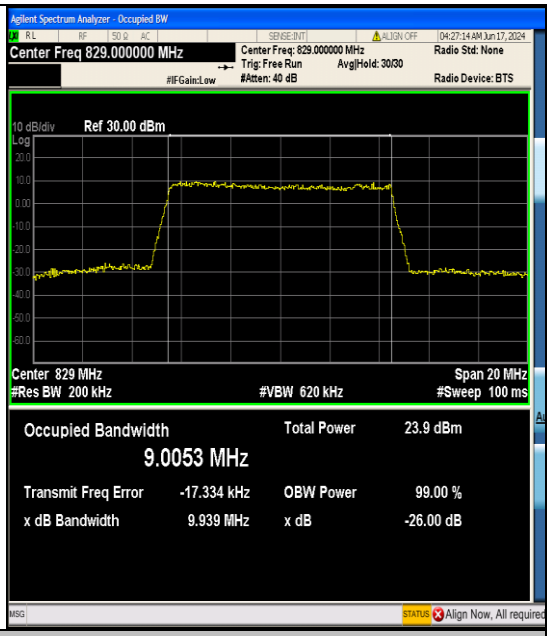
Band5-10MHz-QPSK-20450-50RB#0-PASS



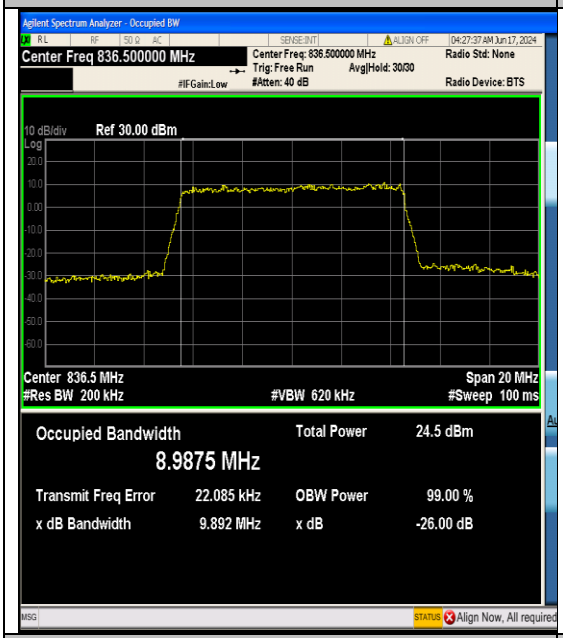
Band5-10MHz-QPSK-20525-50RB#0-PASS



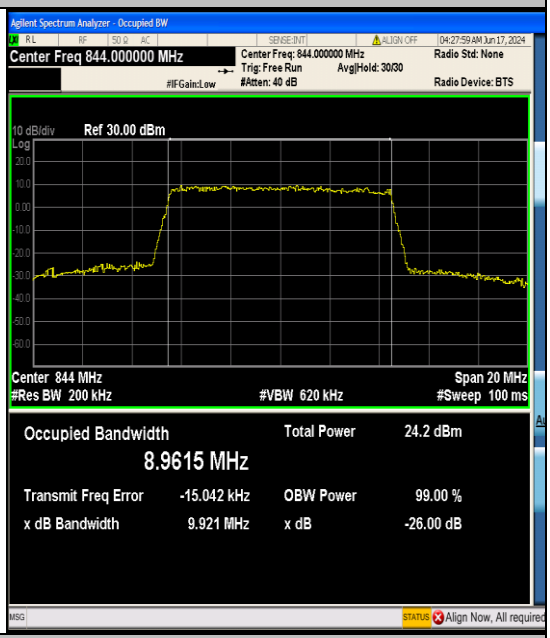
Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



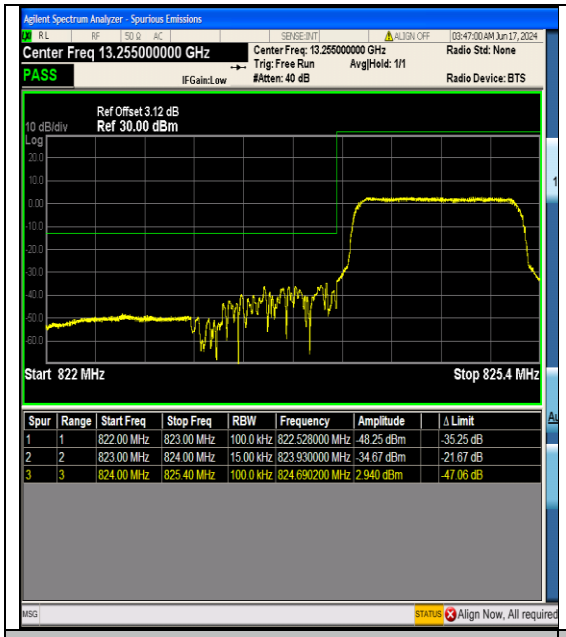
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix D: Band Edge

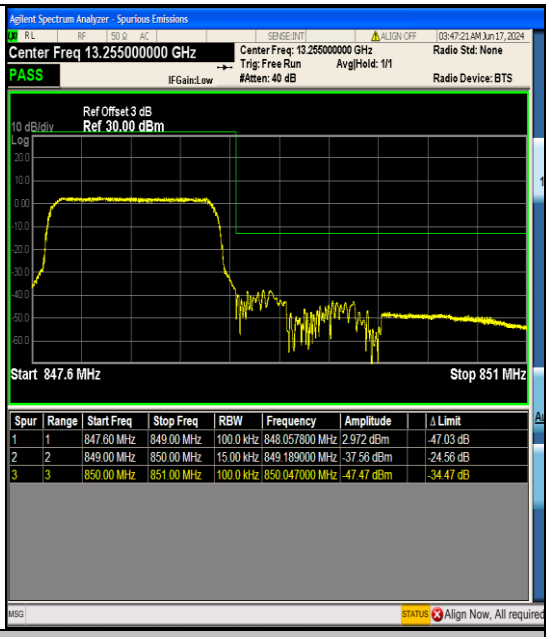
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-34.67	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-37.56	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-35.69	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-38.59	PASS
Band5	3MHz	QPSK	20415	15RB#0	-33.78	PASS
Band5	3MHz	QPSK	20635	15RB#0	-36.99	PASS
Band5	3MHz	16QAM	20415	15RB#0	-36.82	PASS
Band5	3MHz	16QAM	20635	15RB#0	-37.13	PASS
Band5	5MHz	QPSK	20425	25RB#0	-40.47	PASS
Band5	5MHz	QPSK	20625	25RB#0	-41.58	PASS
Band5	5MHz	16QAM	20425	25RB#0	-41.32	PASS
Band5	5MHz	16QAM	20625	25RB#0	-42.94	PASS
Band5	10MHz	QPSK	20450	50RB#0	-40.03	PASS
Band5	10MHz	QPSK	20600	50RB#0	-41.46	PASS
Band5	10MHz	16QAM	20450	50RB#0	-41.54	PASS
Band5	10MHz	16QAM	20600	50RB#0	-42.95	PASS

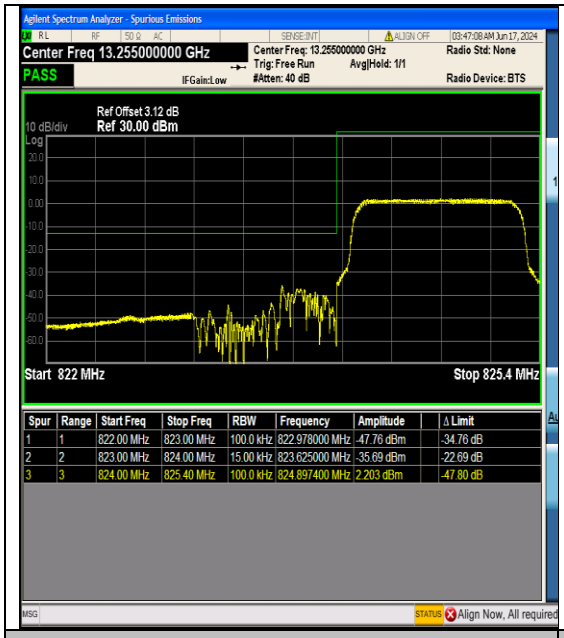
Test Graphs



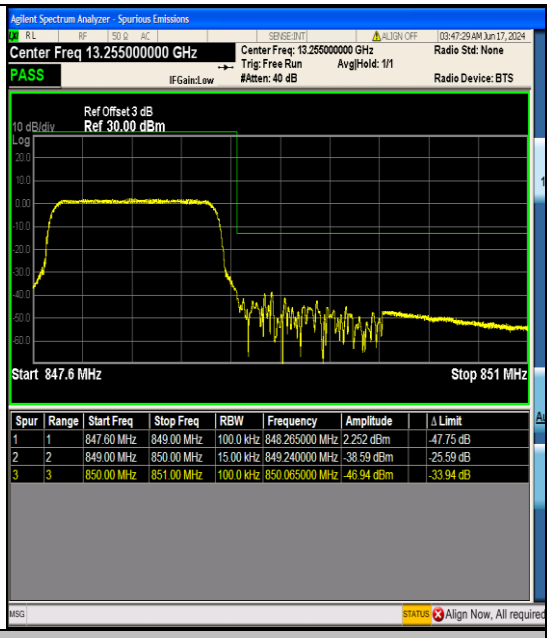
Band5_1.4MHz_QPSK_20407_6RB#0



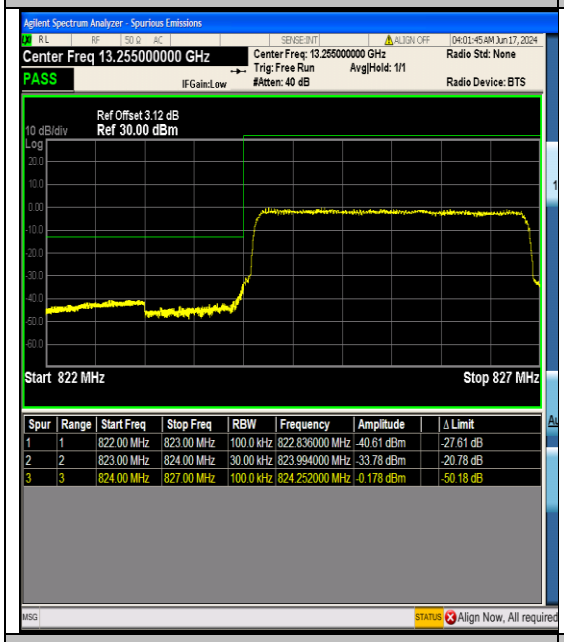
Band5_1.4MHz_QPSK_20643_6RB#0



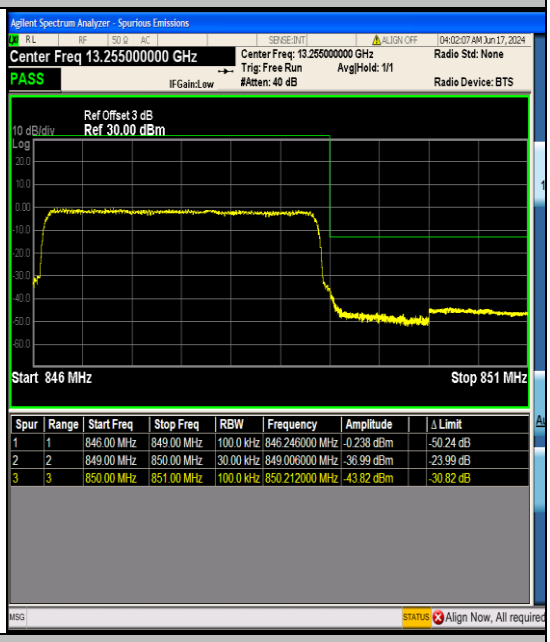
Band5_1.4MHz_16QAM_20407_6RB#0



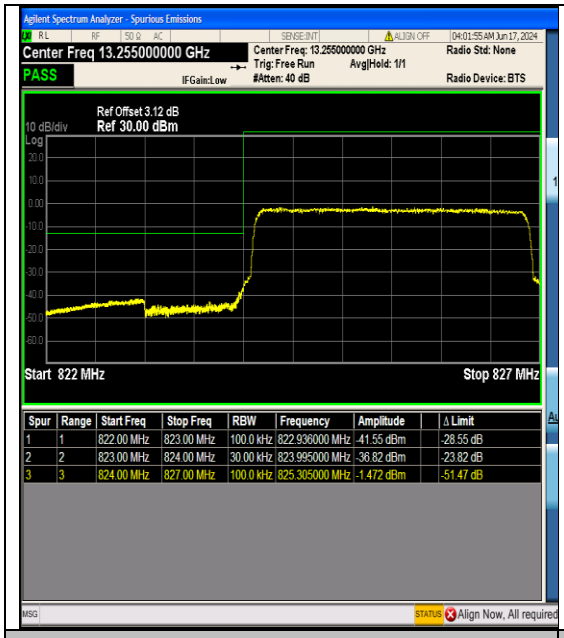
Band5_1.4MHz_16QAM_20643_6RB#0



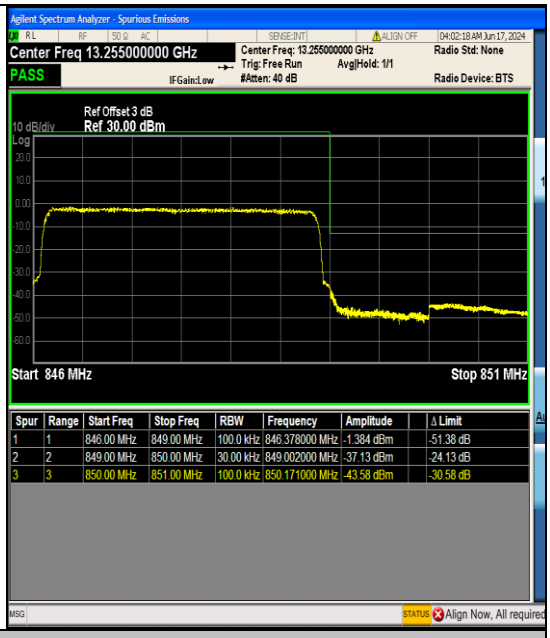
Band5_3MHz_QPSK_20415_15RB#0



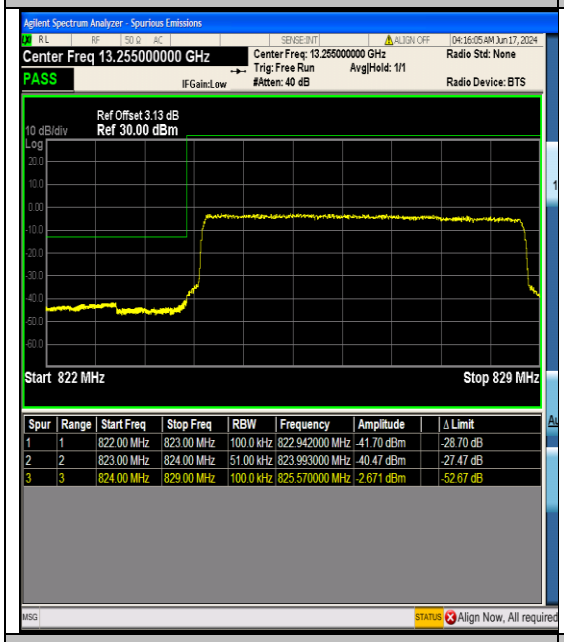
Band5_3MHz_QPSK_20635_15RB#0



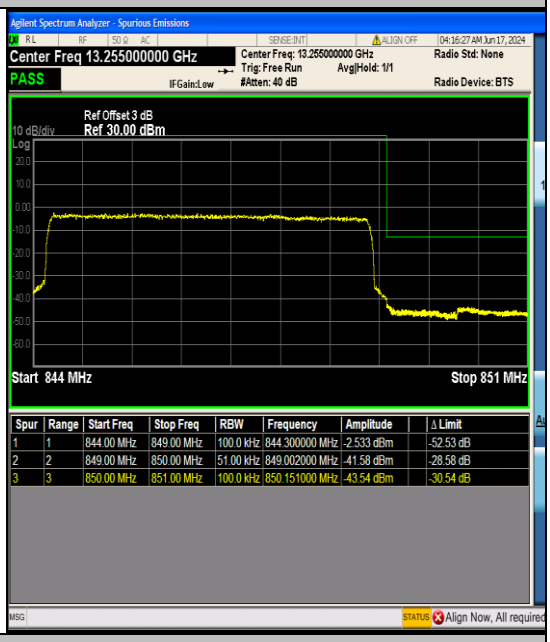
Band5_3MHz_16QAM_20415_15RB#0



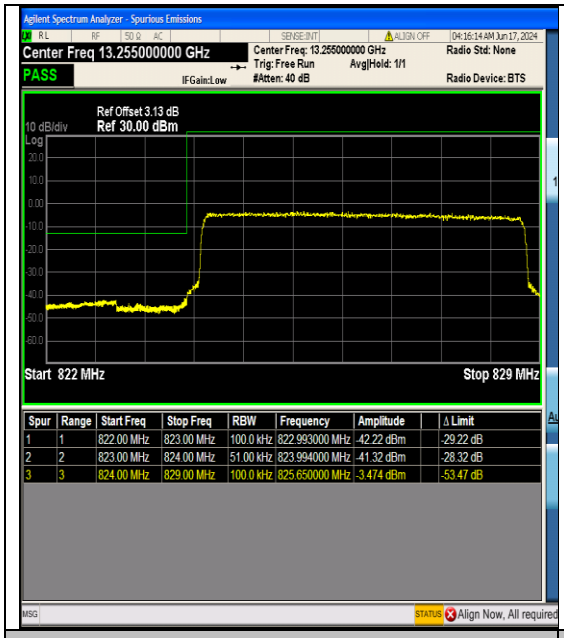
Band5_3MHz_16QAM_20635_15RB#0



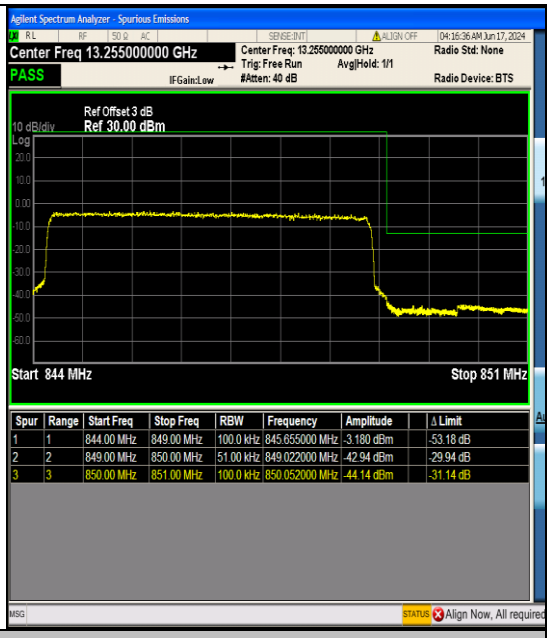
Band5_5MHz_QPSK_20425_25RB#0



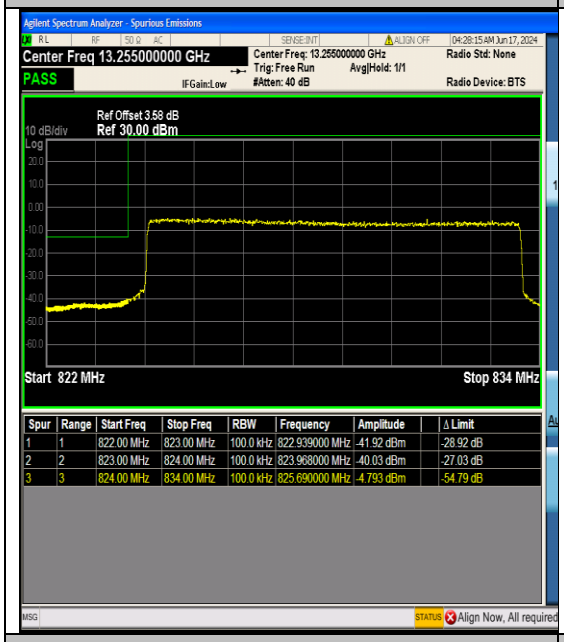
Band5_5MHz_QPSK_20625_25RB#0



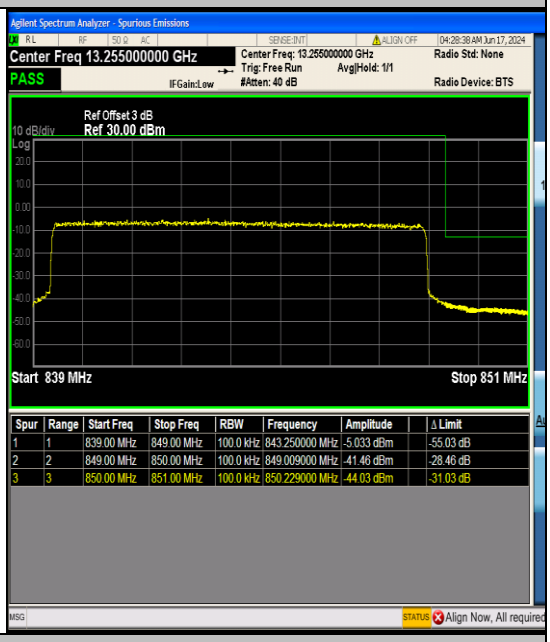
Band5_5MHz_16QAM_20425_25RB#0



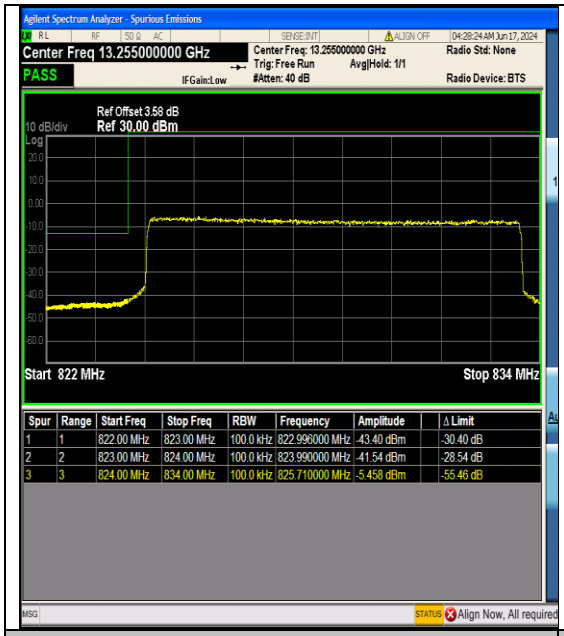
Band5_5MHz_16QAM_20625_25RB#0



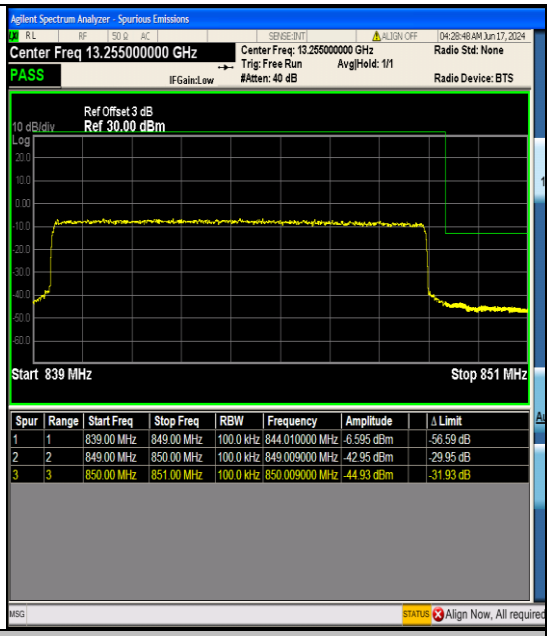
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

Appendix E: Conducted Spurious Emission

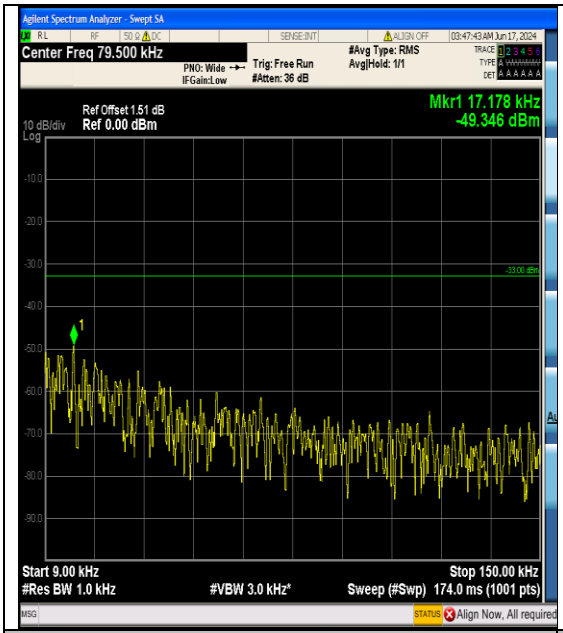
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-49.35	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-58.23	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-54.37	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-50.46	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.72	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-49.57	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-57.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-54.13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-52.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-50.37	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-57.48	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-49.48	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-52.85	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-49.93	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-45.39	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-57.96	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-56.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-51.83	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-50.01	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-46.96	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-58.53	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-55.10	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-52.59	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-50.00	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-46.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-57.28	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-54.21	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-48.21	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.47	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-48.20	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-59.56	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-56.72	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-52.36	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-49.36	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-49.74	PASS

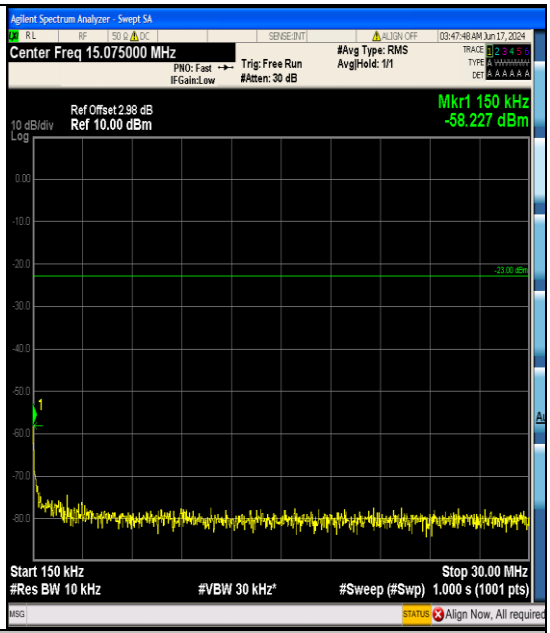
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-57.49	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-55.43	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-52.69	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.75	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-47.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-57.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-55.18	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-39.87	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-49.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-47.84	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-58.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-59.04	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.27	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-49.82	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-46.14	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-58.14	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-55.98	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-51.97	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-49.95	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-48.46	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-57.11	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-55.21	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.22	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-50.08	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-48.07	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-56.12	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-59.68	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-52.48	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-49.90	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-49.78	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-60.15	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-58.27	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-51.53	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-50.38	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-55.86	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-57.62	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-44.01	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-49.41	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-49.46	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-60.53	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-62.23	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.41	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-50.09	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-47.40	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-58.55	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-57.91	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.32	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-49.91	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-47.38	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-58.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-57.58	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.46	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-49.94	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-49.25	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-59.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-65.24	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.52	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.90	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-49.16	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-59.12	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-66.49	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.58	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-49.93	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-49.13	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-56.41	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-60.38	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.64	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-50.18	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-48.69	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-58.78	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-64.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.51	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-50.09	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-47.53	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-59.13	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-65.99	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.72	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-50.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-51.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-58.94	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-61.03	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.46	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.87	PASS

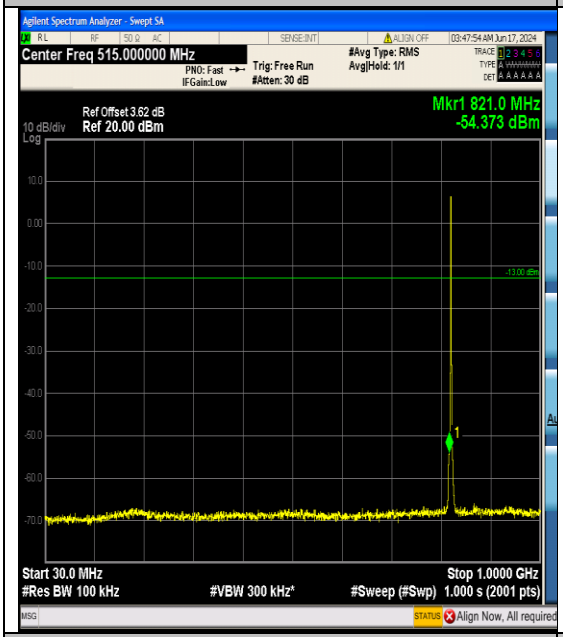
Test Graphs



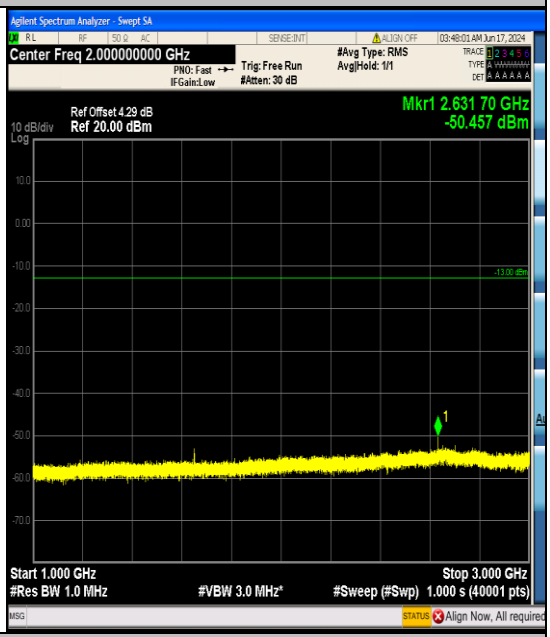
Band5_1.4MHz_QPSK_20407_6RB#0_0.009~0.15_0.009~0.15



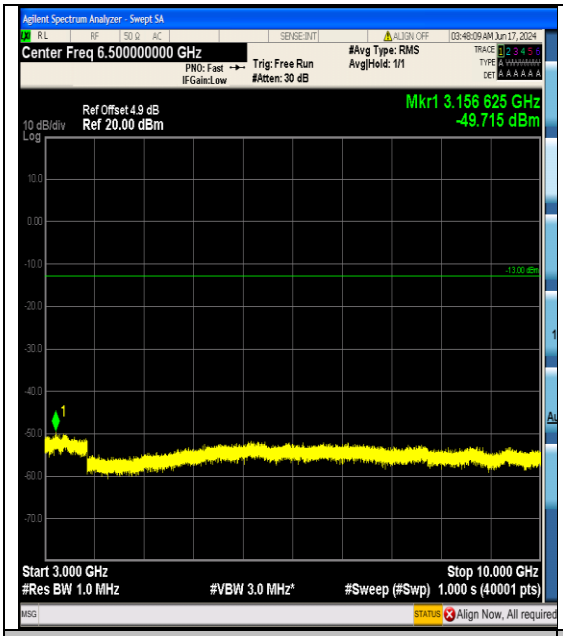
Band5_1.4MHz_QPSK_20407_6RB#0_0.15~30_0.15~30



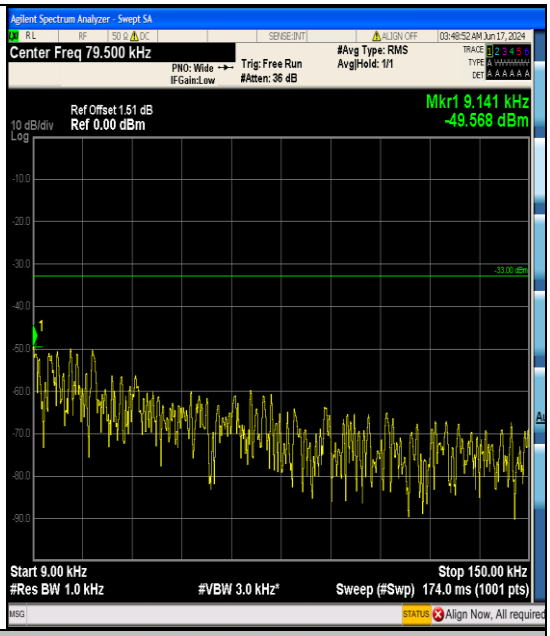
Band5_1.4MHz_QPSK_20407_6RB#0_30~1000_30~1000



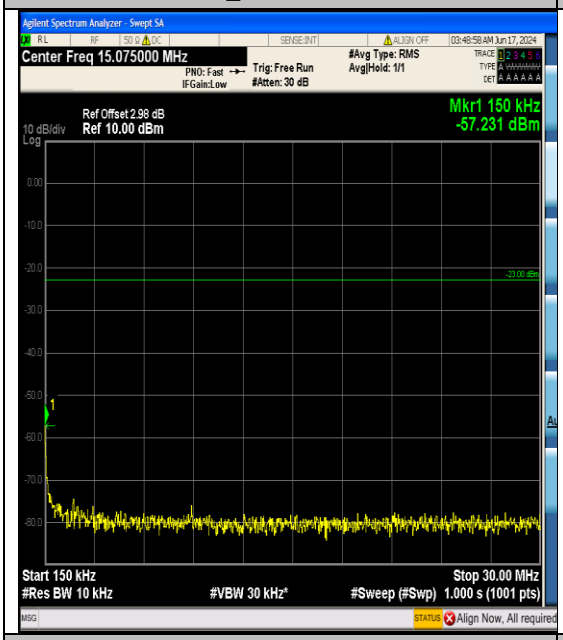
Band5_1.4MHz_QPSK_20407_6RB#0_1000~3000_1000~3000



Band5_1.4MHz_QPSK_20407_6RB#0_3000~10000_3000~10000

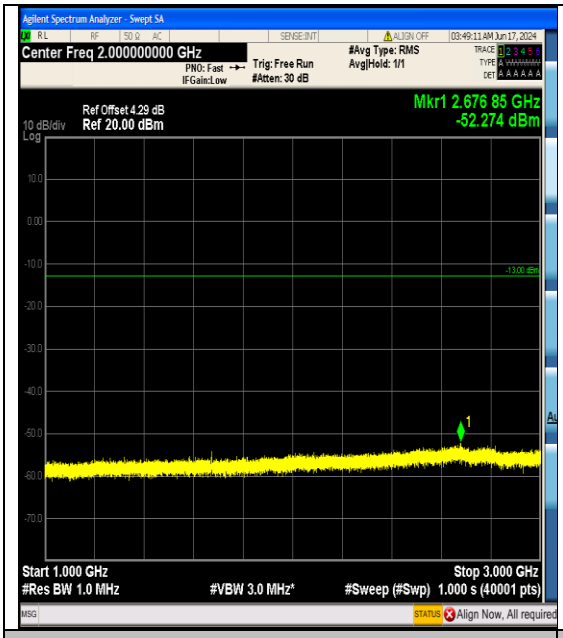


Band5_1.4MHz_QPSK_20525_6RB#0_0.009~0.15_0.009~0.15

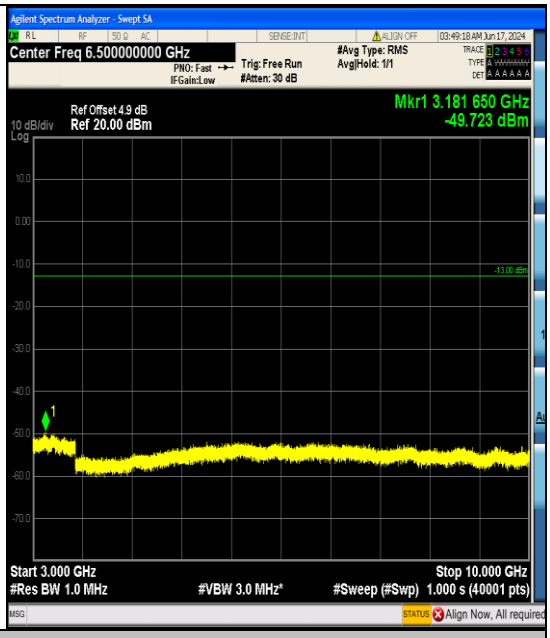


Band5_1.4MHz_QPSK_20525_6RB#0_0.15~30_0.15~30

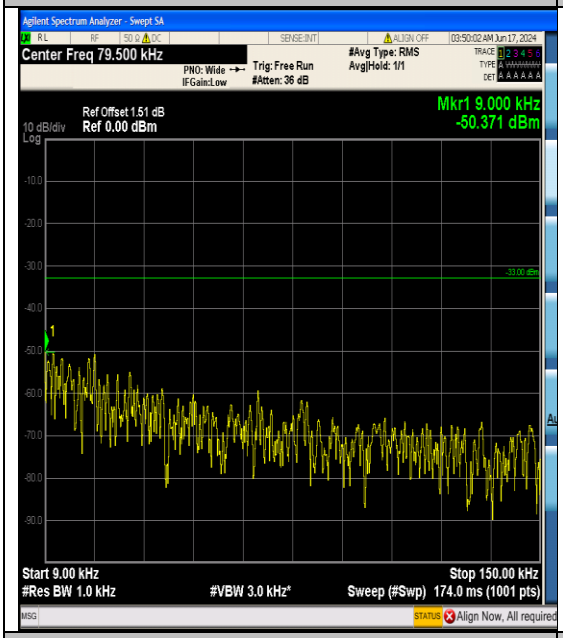
Band5_1.4MHz_QPSK_20525_6RB#0_30~1000_30~1000



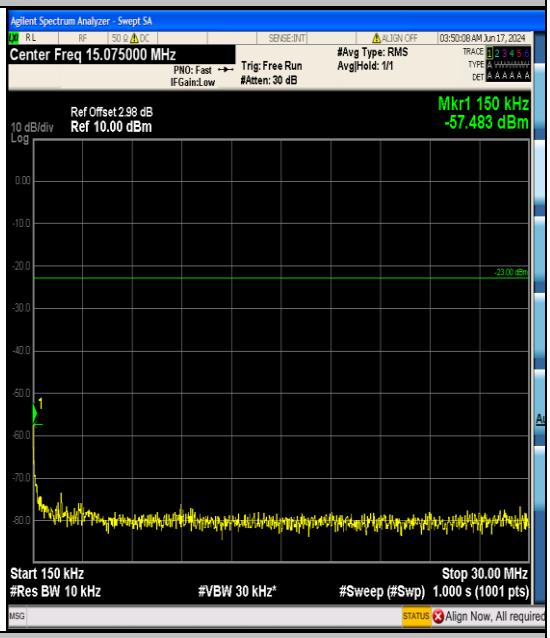
Band5_1.4MHz_QPSK_20525_6RB#0_1000~3000_1000~3000



Band5_1.4MHz_QPSK_20525_6RB#0_3000~10000_3000~10000



Band5_1.4MHz_QPSK_20643_6RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20643_6RB#0_0.15~30_0.15~30