FCC LTE Band Test Data

FCC ID	**:**	**2BF4O-CC4PRO**
Company:	**:**	**Shenzhen TEYES High tech Co., Ltd.**
EUT	**:**	**Car Headunit**
Model Number	**:**	**CC4PRO**
Reviewed By	**:**	**Eric Wang**

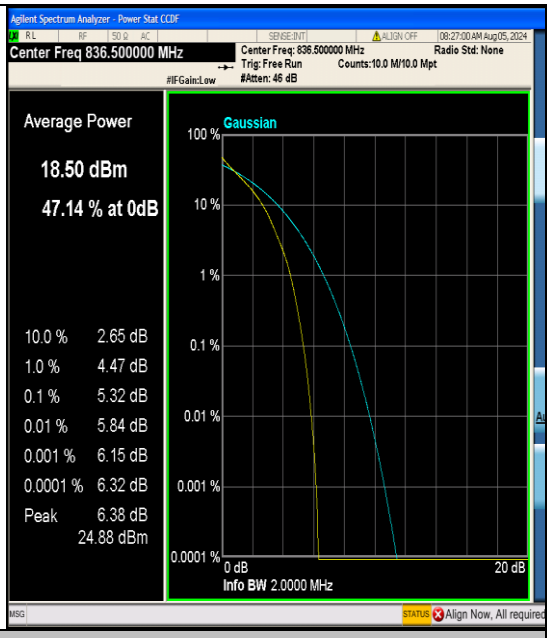
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

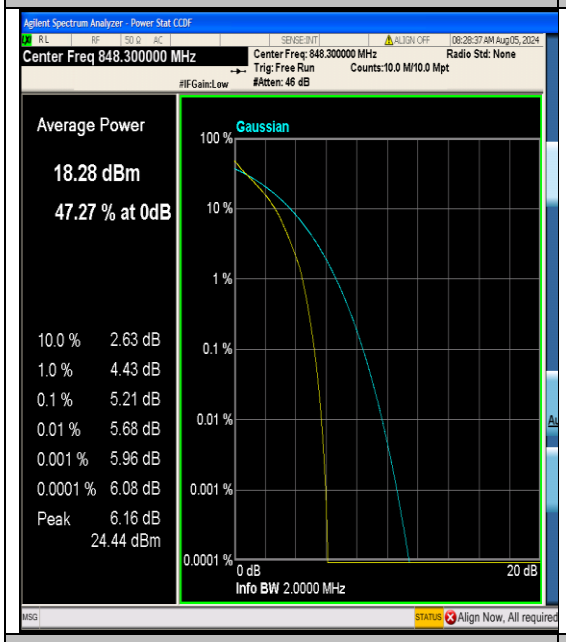
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.25	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.32	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.21	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.05	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.13	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.04	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.19	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.23	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.17	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.03	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.06	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.02	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.24	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.27	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.23	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.04	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.05	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.03	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.20	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.19	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.20	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.01	13	PASS

Test Graphs

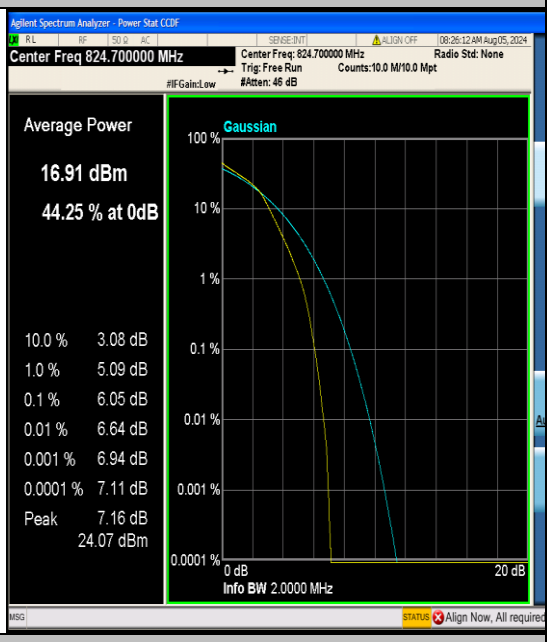
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



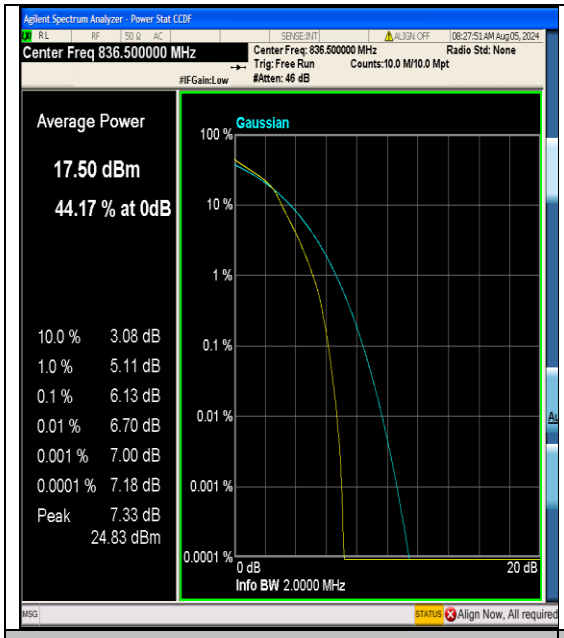
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



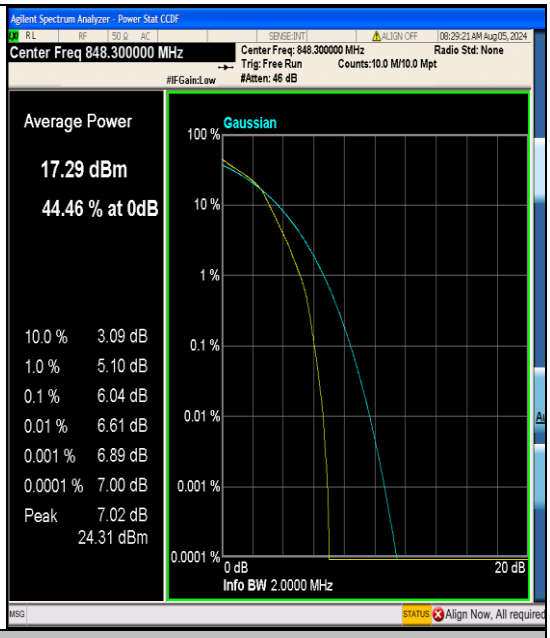
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



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



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



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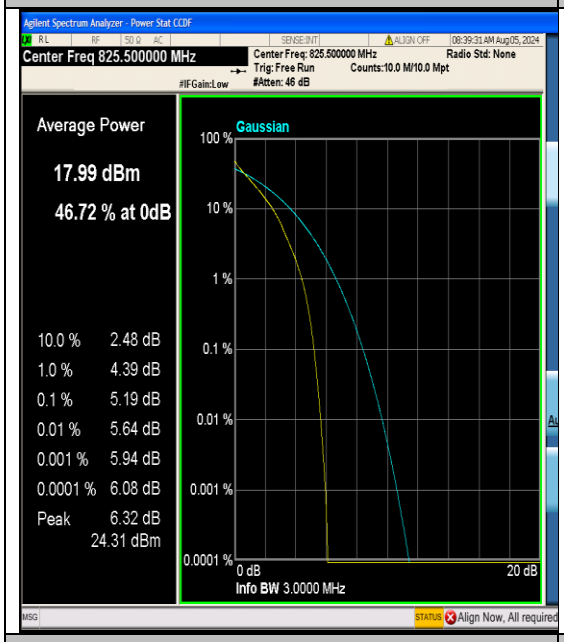
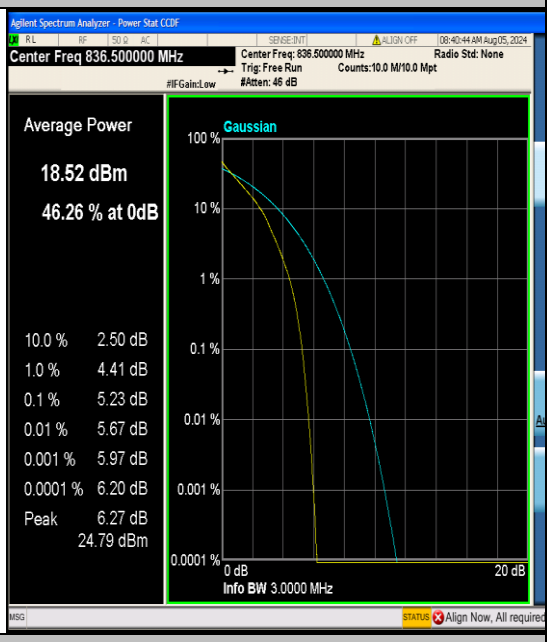


Band5-3MHz-QPSK-20415-15RB#0-PASS



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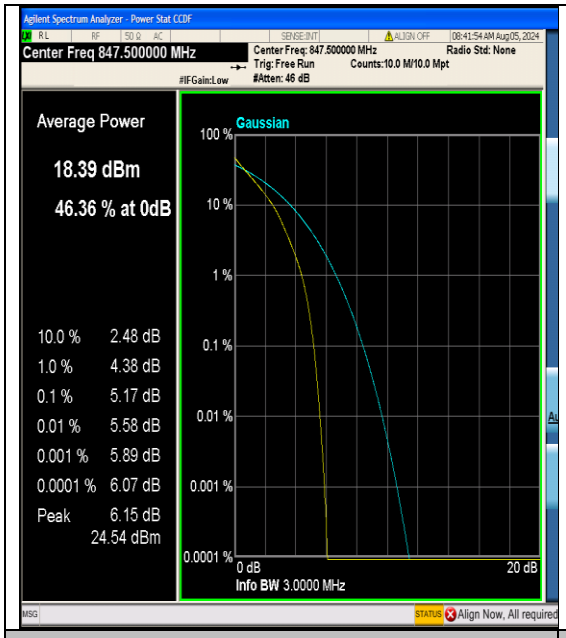
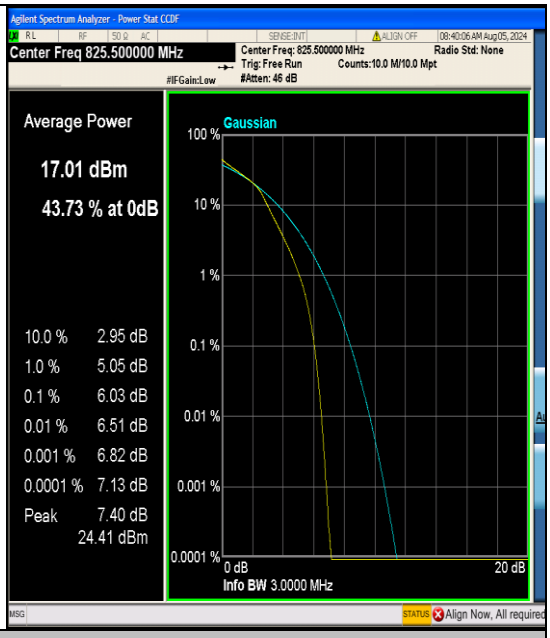


Band5-3MHz-QPSK-20635-15RB#0-PASS



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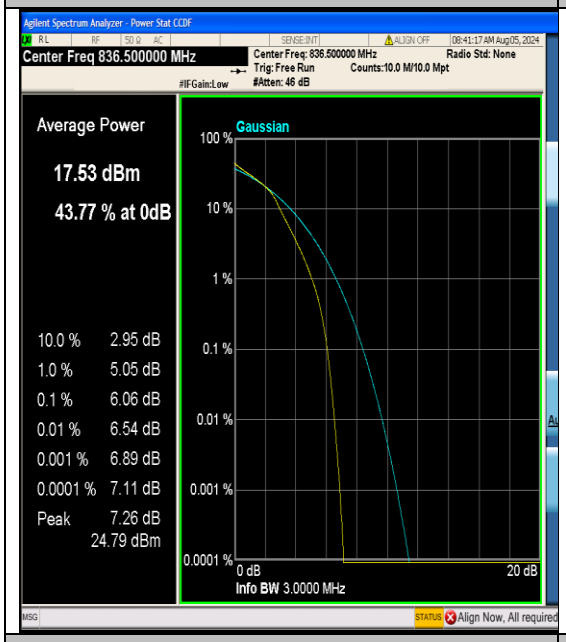

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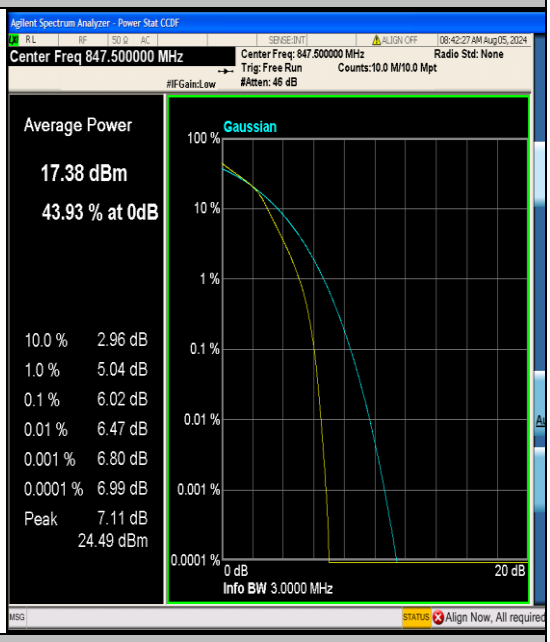
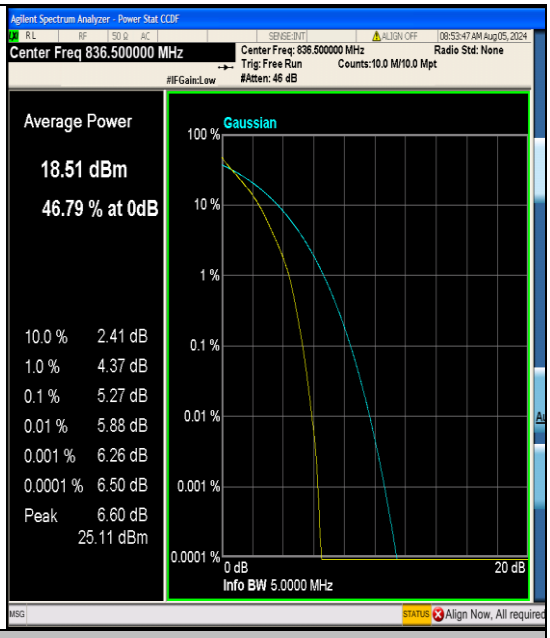
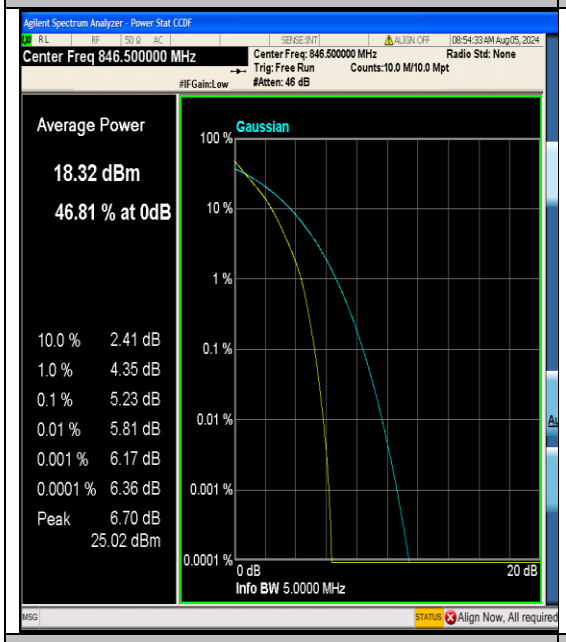


Band5-3MHz-16QAM-20635-15RB#0-PASS

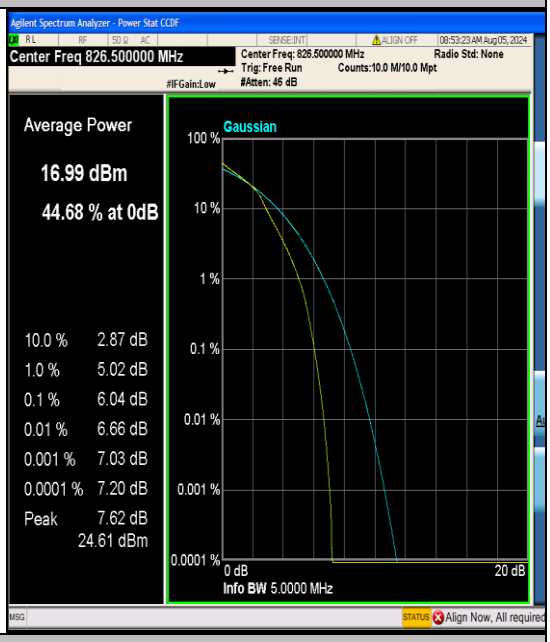
Band5-5MHz-QPSK-20425-25RB#0-PASS



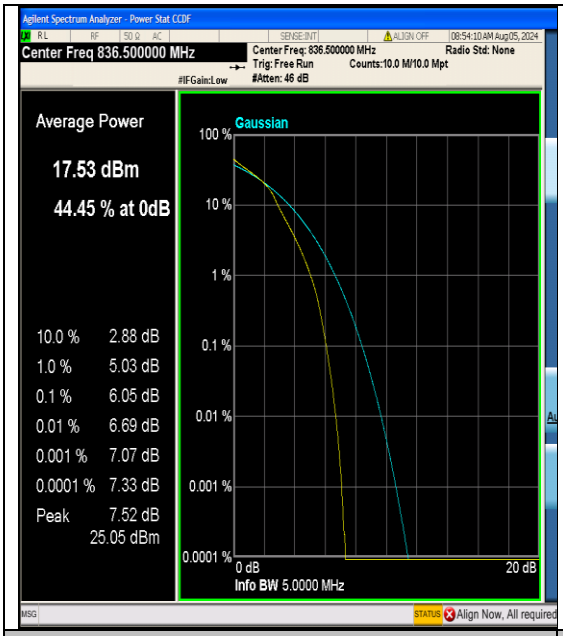
Band5-5MHz-QPSK-20525-25RB#0-PASS



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



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



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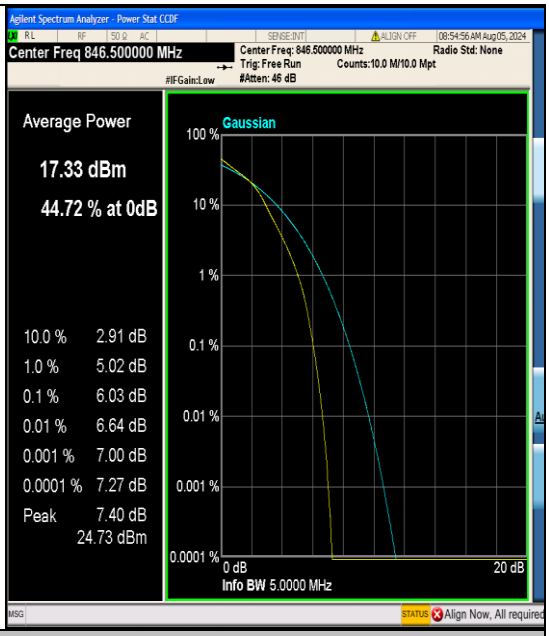

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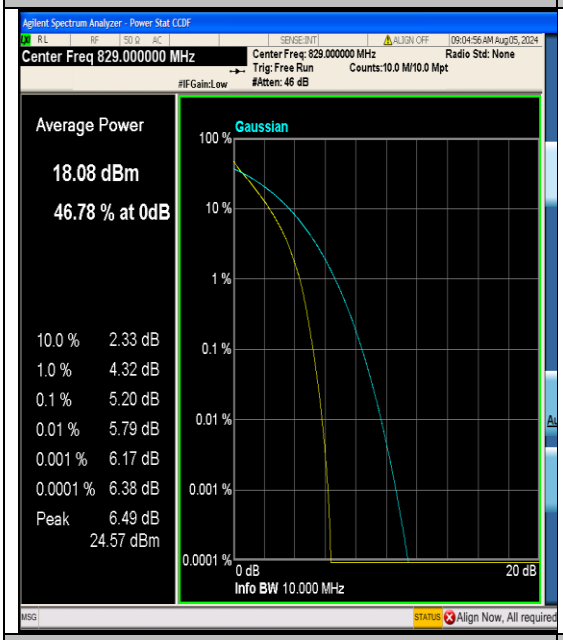
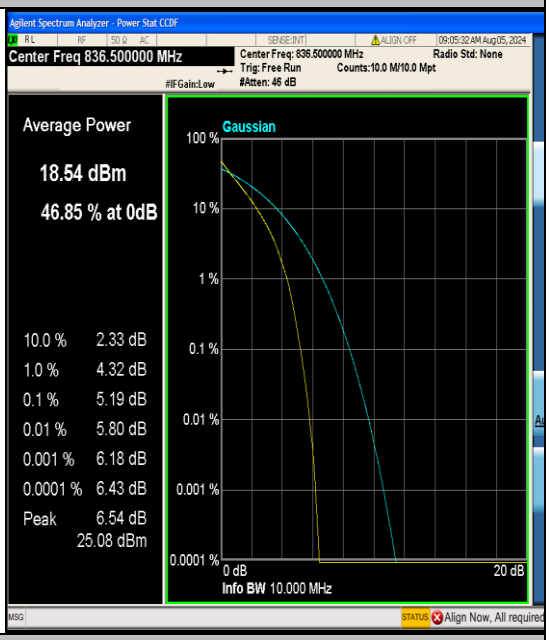
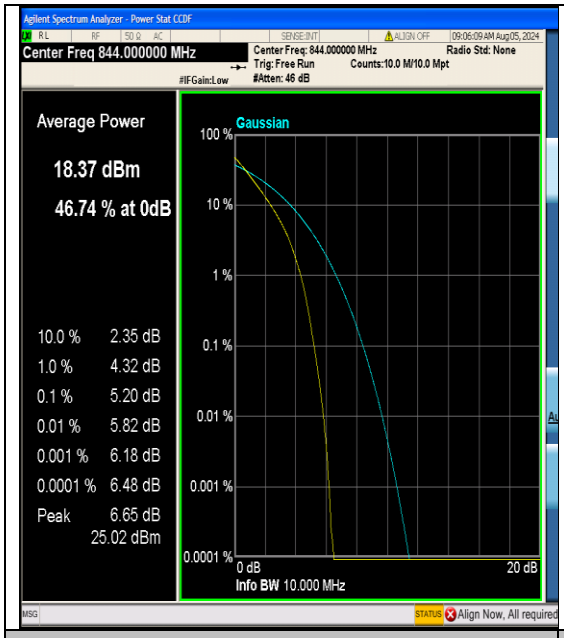


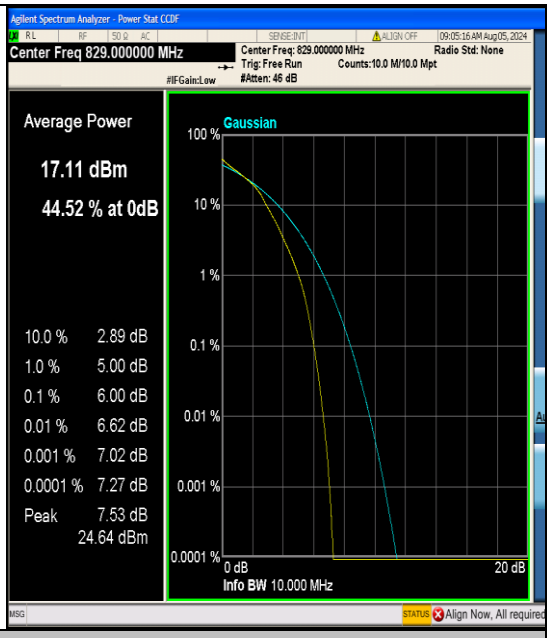
Band5-10MHz-QPSK-20450-50RB#0-PASS



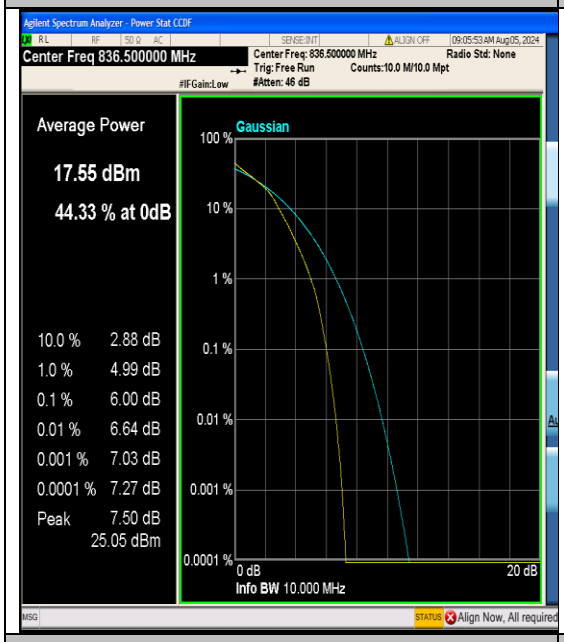
Band5-10MHz-QPSK-20525-50RB#0-PASS



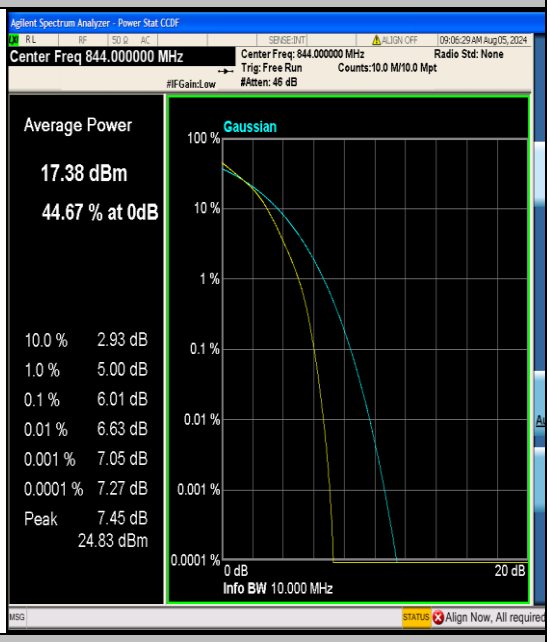
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



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



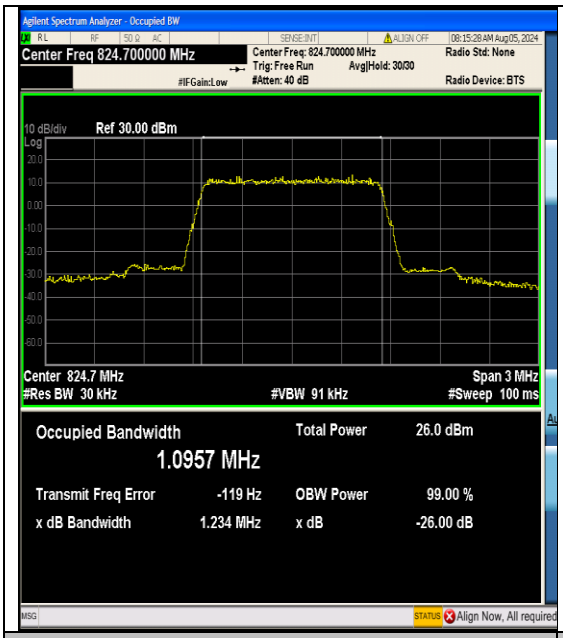
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

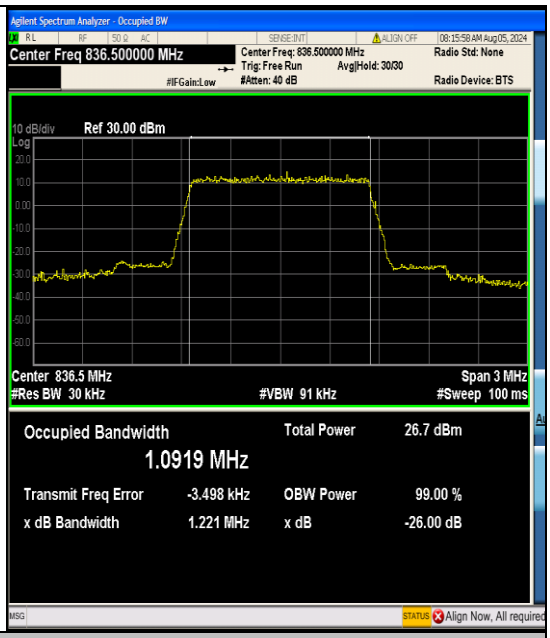
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0957	1.234	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0919	1.221	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0912	1.226	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0967	1.236	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0917	1.237	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0920	1.230	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7006	2.994	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6969	2.981	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6986	2.966	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6961	2.992	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6941	2.989	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7033	2.993	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5075	4.949	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5029	4.968	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5084	4.964	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5097	4.989	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5120	5.006	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4976	4.978	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0113	9.806	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9750	9.789	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9723	9.804	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9882	9.818	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9761	9.806	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9690	9.769	PASS

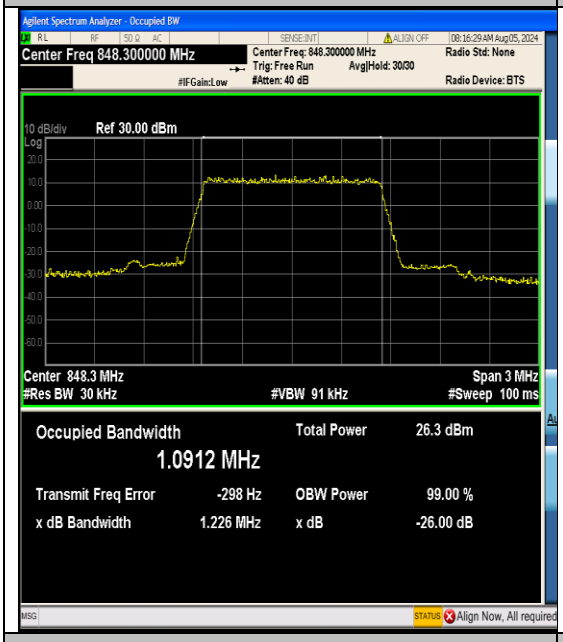
Test Graphs



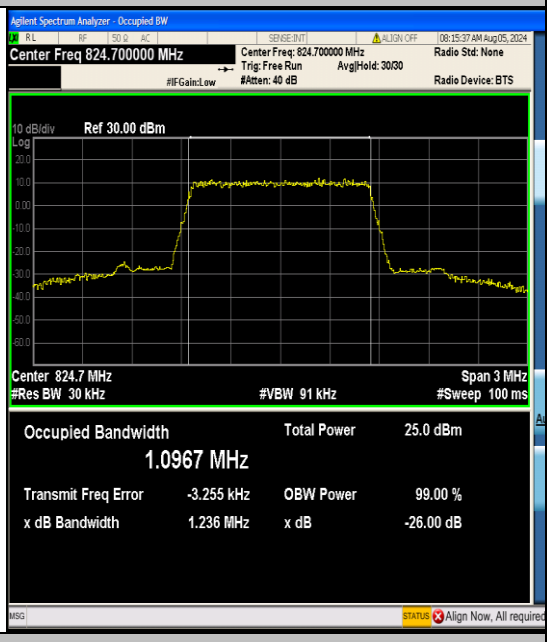
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



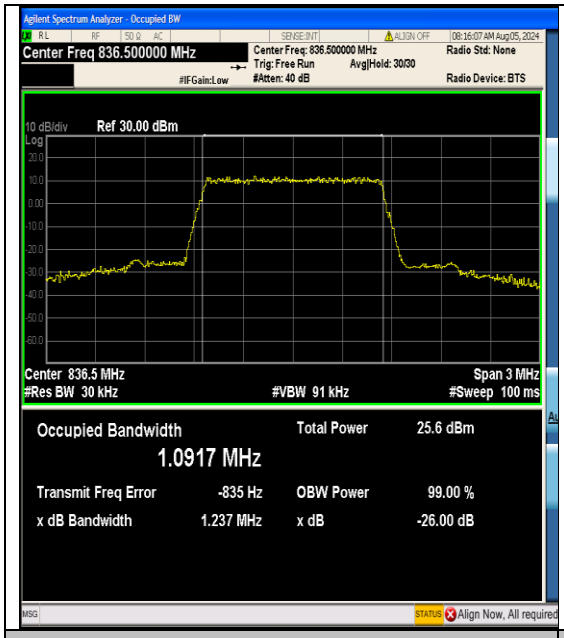
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



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



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



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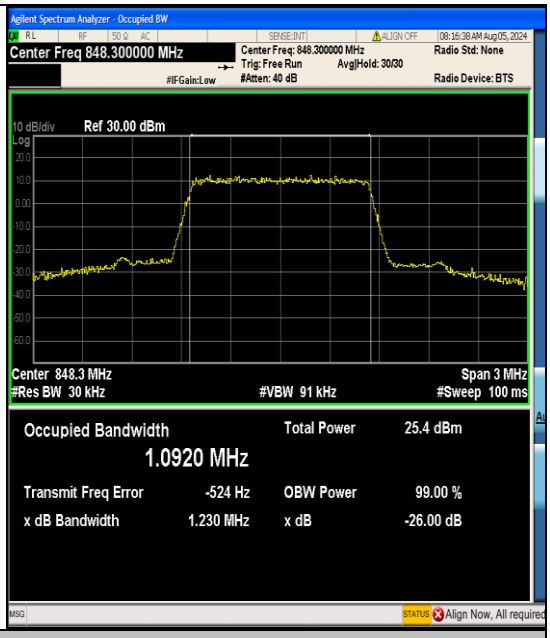
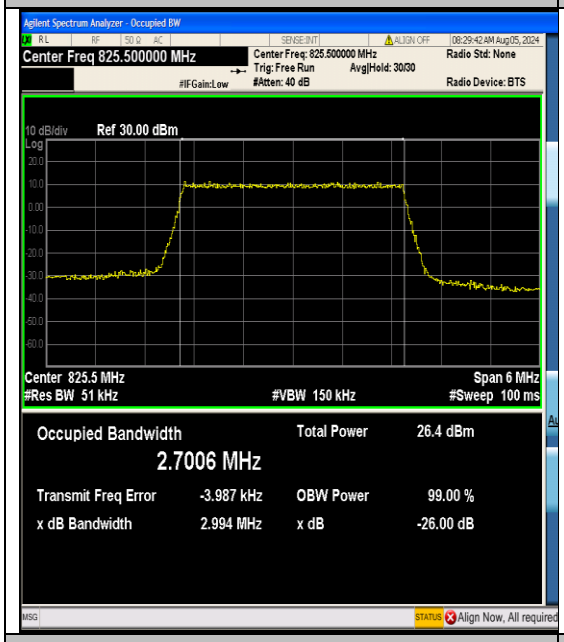
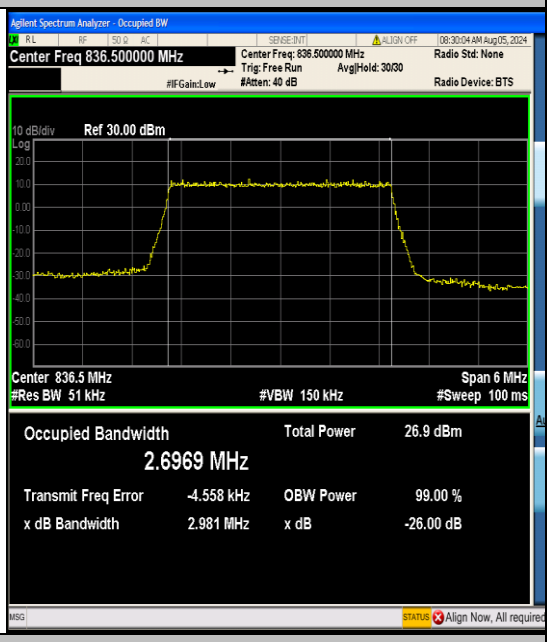


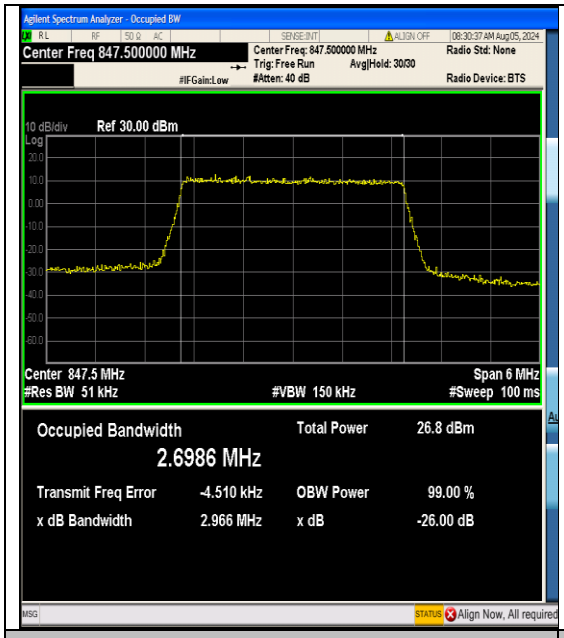
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



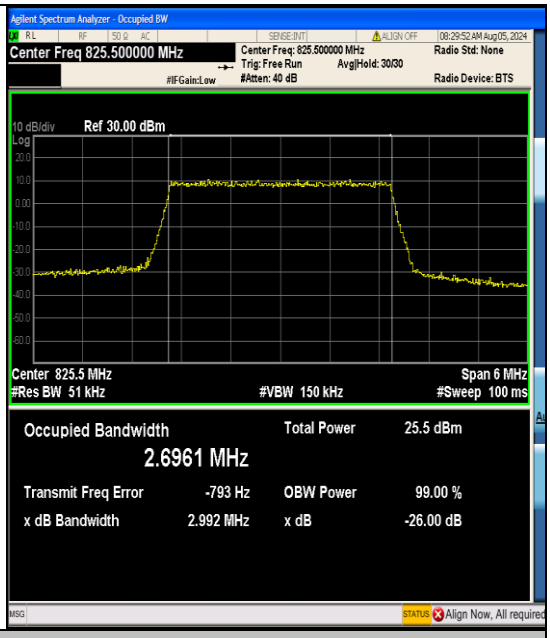
Band5-3MHz-QPSK-20415-15RB#0-PASS



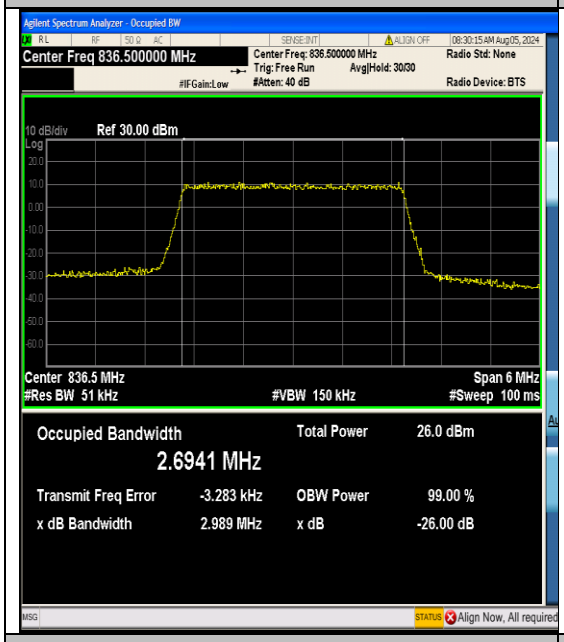
Band5-3MHz-QPSK-20525-15RB#0-PASS



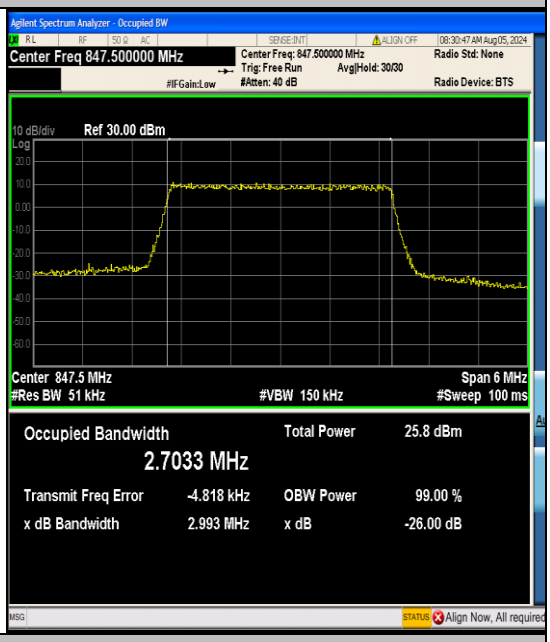
Band5-3MHz-QPSK-20635-15RB#0-PASS



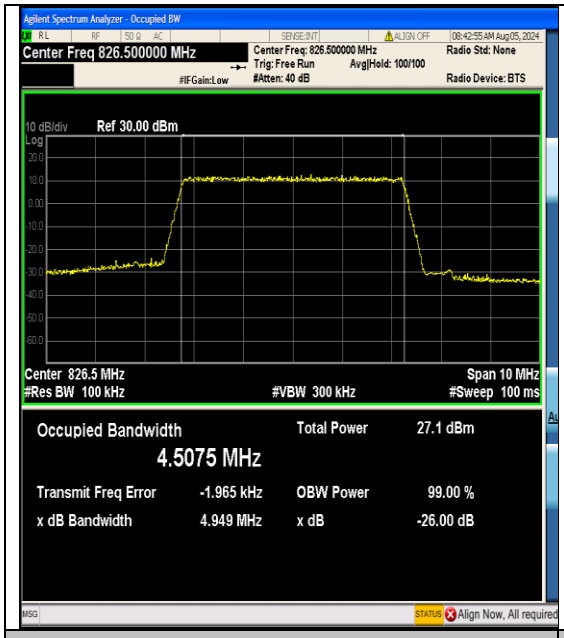
Band5-3MHz-16QAM-20415-15RB#0-PASS



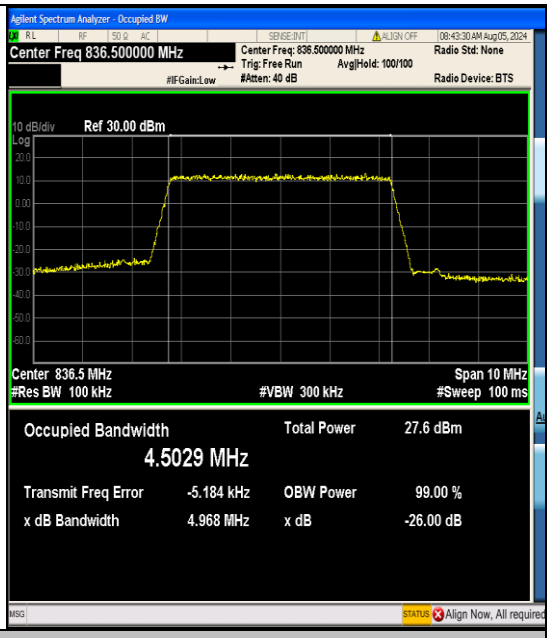
Band5-3MHz-16QAM-20525-15RB#0-PASS



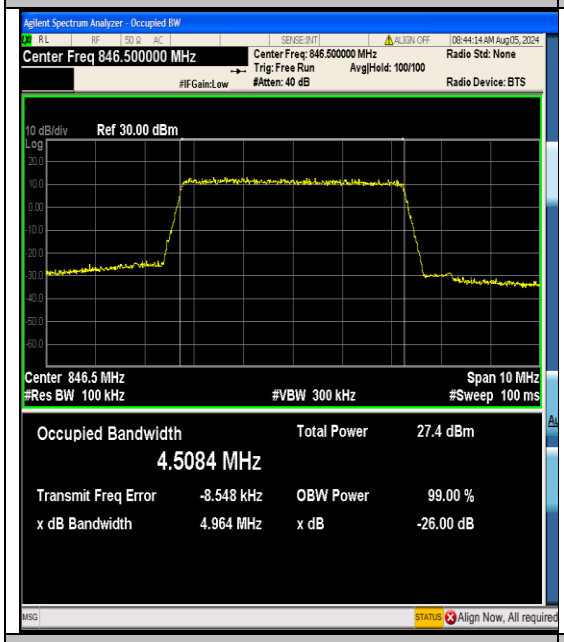
Band5-3MHz-16QAM-20635-15RB#0-PASS



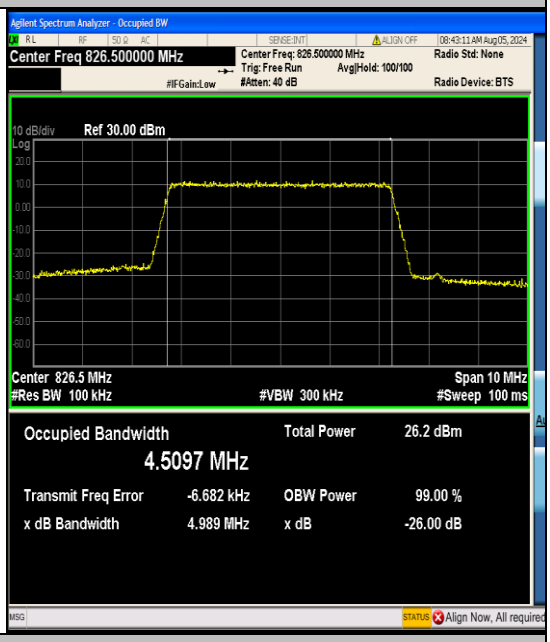
Band5-5MHz-QPSK-20425-25RB#0-PASS



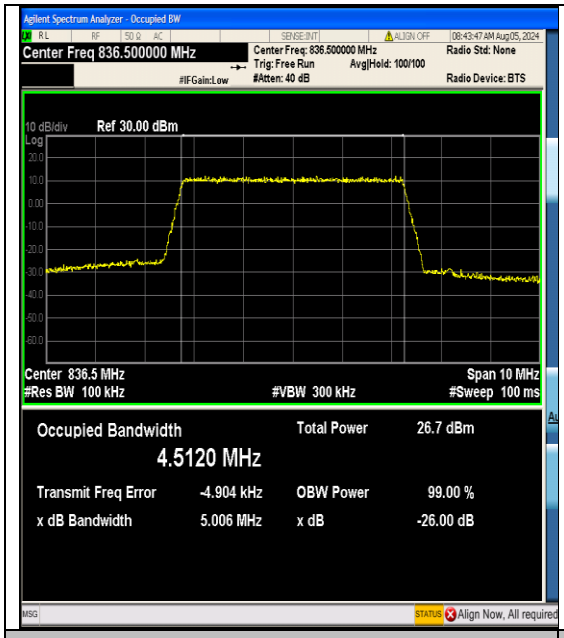
Band5-5MHz-QPSK-20525-25RB#0-PASS



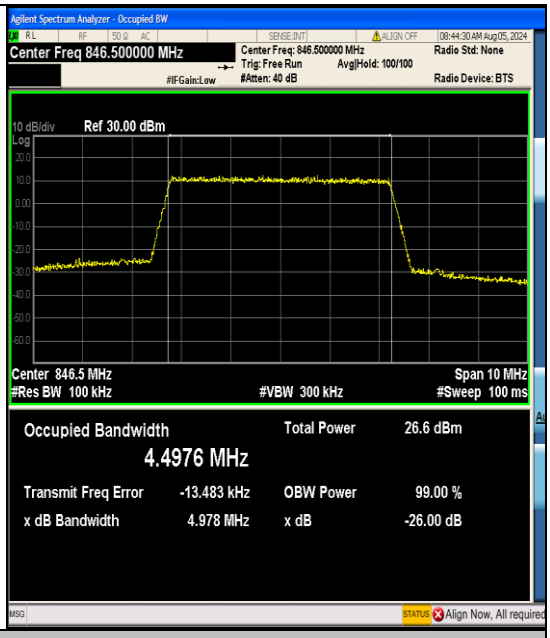
Band5-5MHz-QPSK-20625-25RB#0-PASS



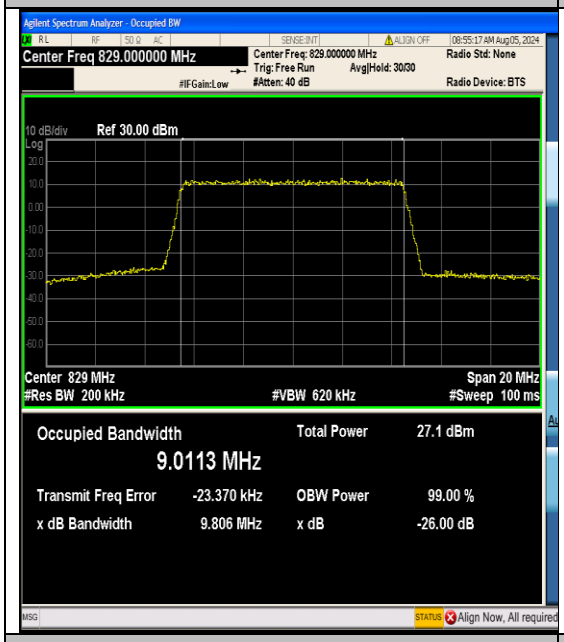
Band5-5MHz-16QAM-20425-25RB#0-PASS



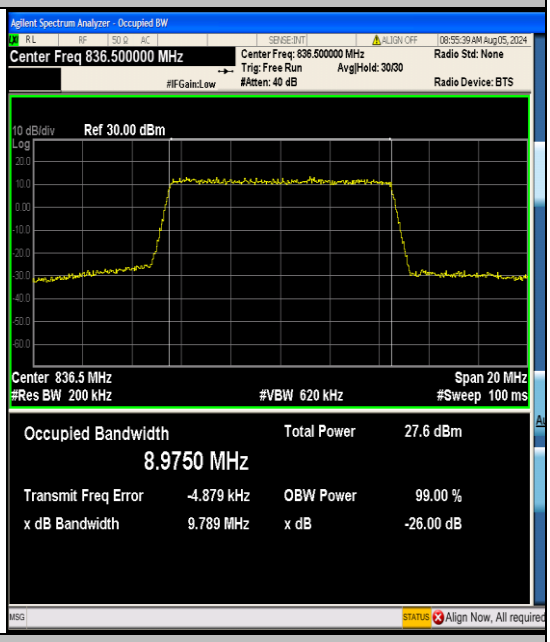
Band5-5MHz-16QAM-20525-25RB#0-PASS



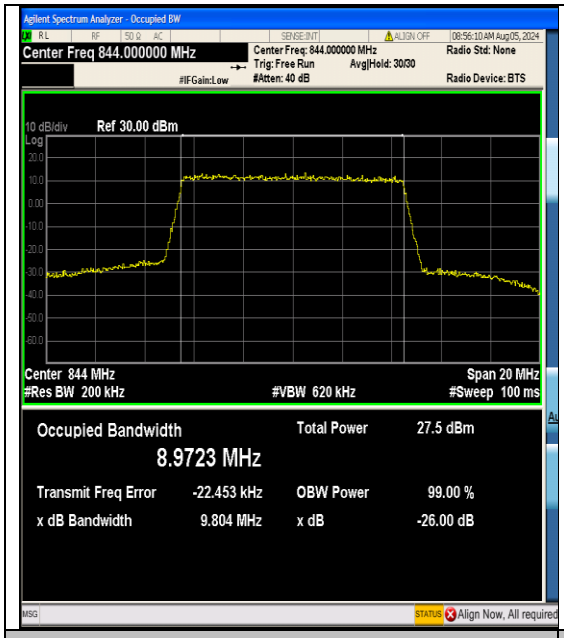
Band5-5MHz-16QAM-20625-25RB#0-PASS



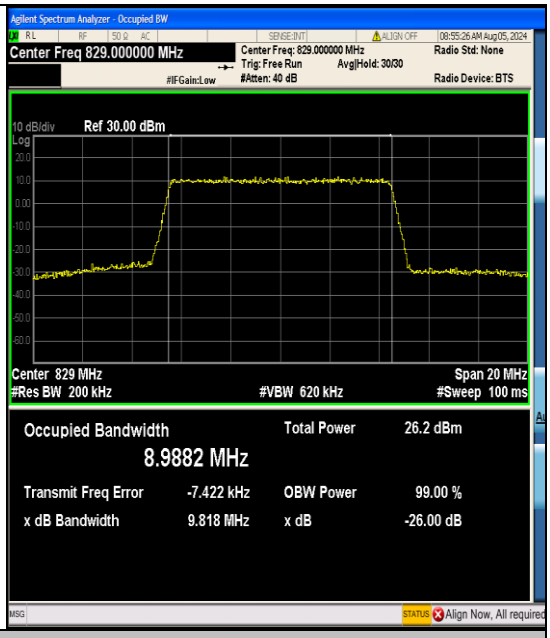
Band5-10MHz-QPSK-20450-50RB#0-PASS



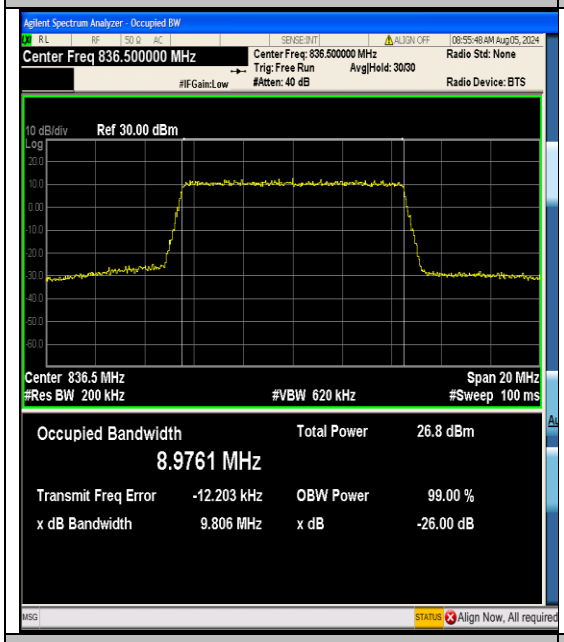
Band5-10MHz-QPSK-20525-50RB#0-PASS



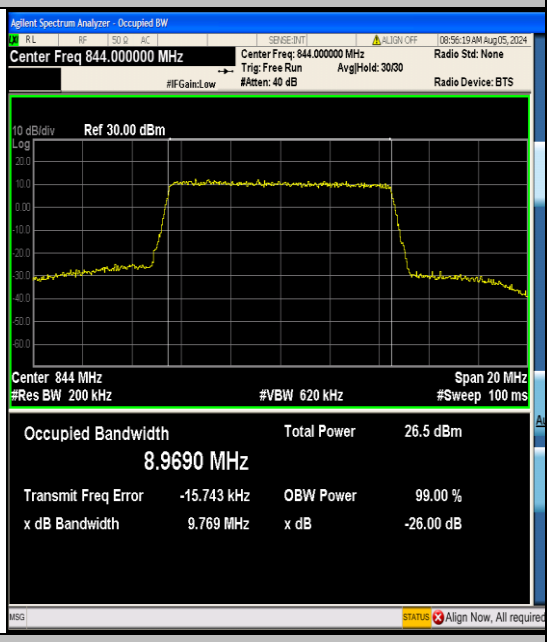
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



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



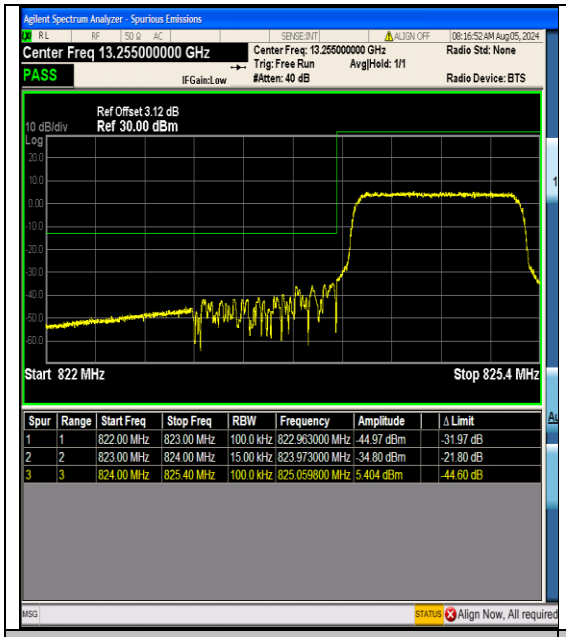
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix D: Band Edge

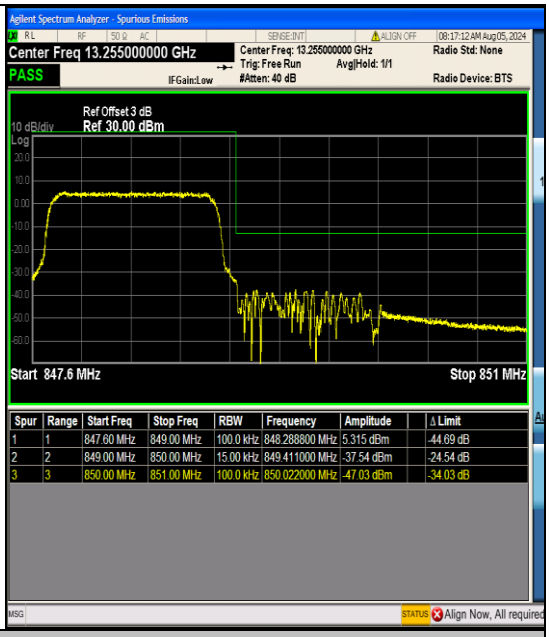
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-34.80	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-37.54	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-33.14	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-33.61	PASS
Band5	3MHz	QPSK	20415	15RB#0	-34.36	PASS
Band5	3MHz	QPSK	20635	15RB#0	-35.38	PASS
Band5	3MHz	16QAM	20415	15RB#0	-35.21	PASS
Band5	3MHz	16QAM	20635	15RB#0	-36.39	PASS
Band5	5MHz	QPSK	20425	25RB#0	-36.78	PASS
Band5	5MHz	QPSK	20625	25RB#0	-39.54	PASS
Band5	5MHz	16QAM	20425	25RB#0	-37.71	PASS
Band5	5MHz	16QAM	20625	25RB#0	-38.95	PASS
Band5	10MHz	QPSK	20450	50RB#0	-38.65	PASS
Band5	10MHz	QPSK	20600	50RB#0	-42.29	PASS
Band5	10MHz	16QAM	20450	50RB#0	-39.52	PASS
Band5	10MHz	16QAM	20600	50RB#0	-42.77	PASS

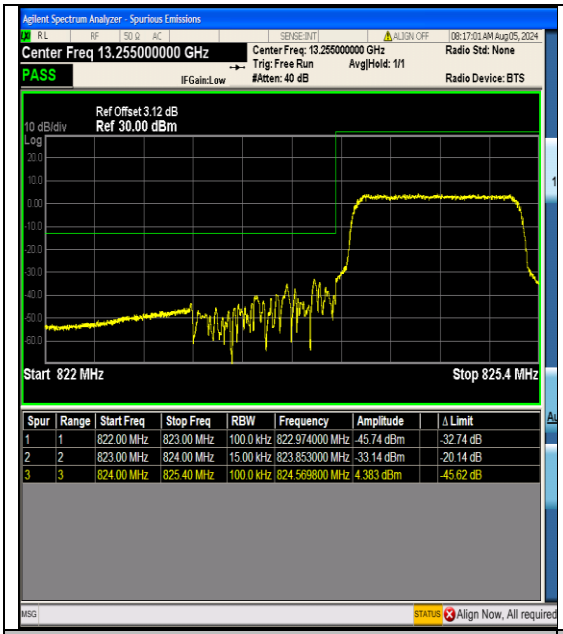
Test Graphs



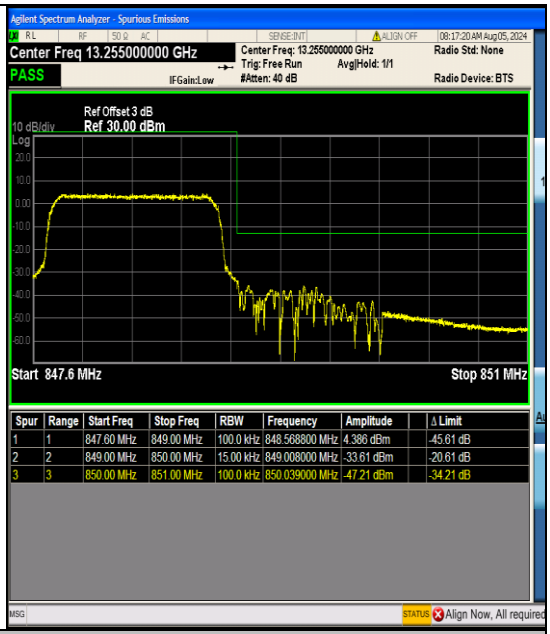
Band5_1.4MHz_QPSK_20407_6RB#0



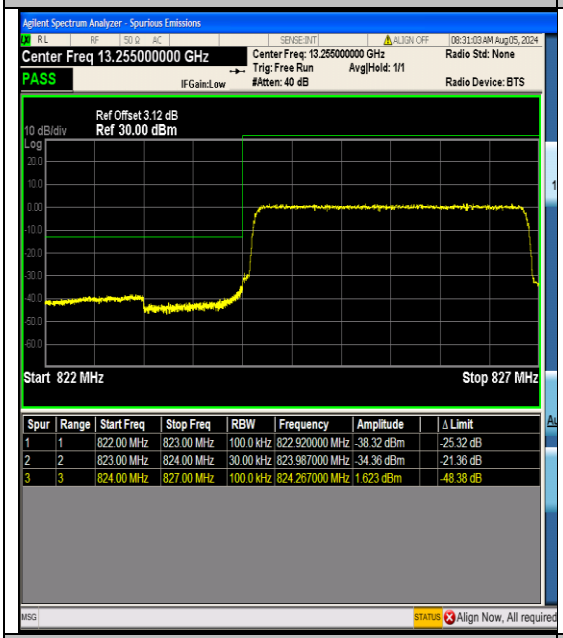
Band5_1.4MHz_QPSK_20643_6RB#0



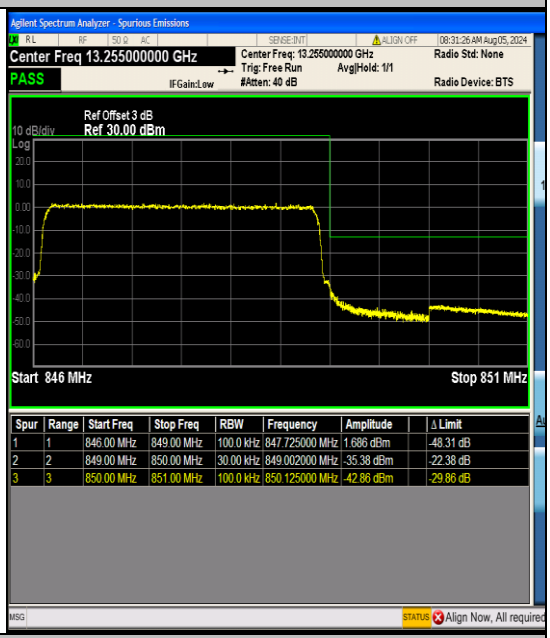
Band5_1.4MHz_16QAM_20407_6RB#0



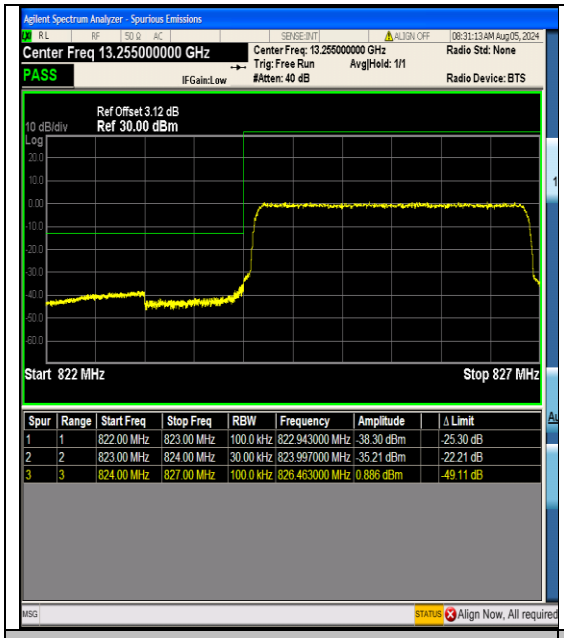
Band5_1.4MHz_16QAM_20643_6RB#0



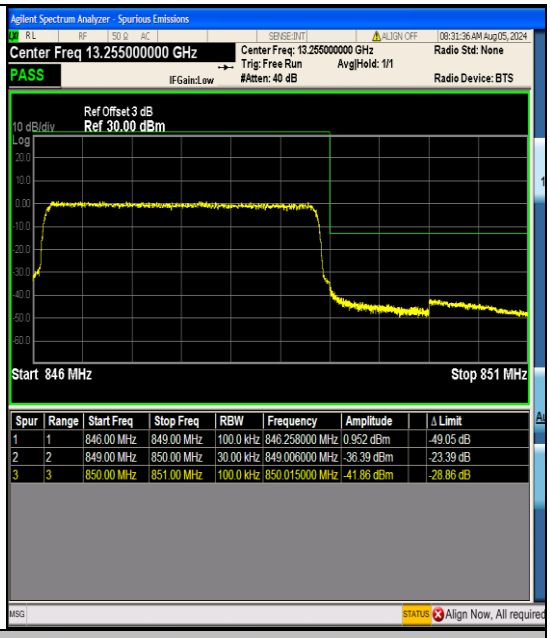
Band5_3MHz_QPSK_20415_15RB#0



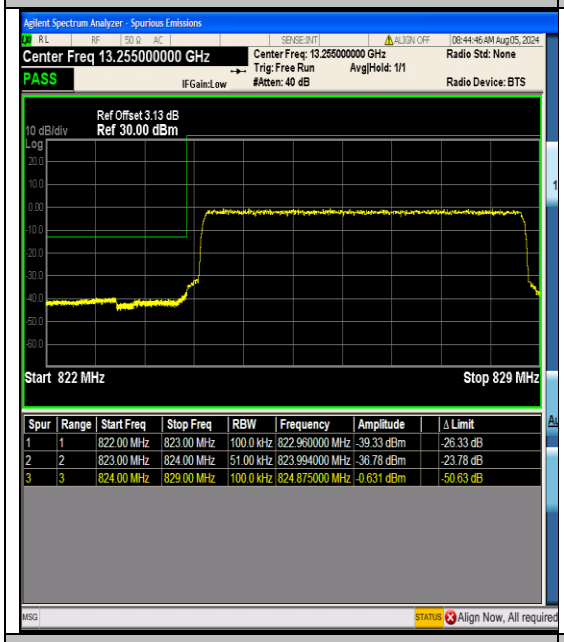
Band5_3MHz_QPSK_20635_15RB#0



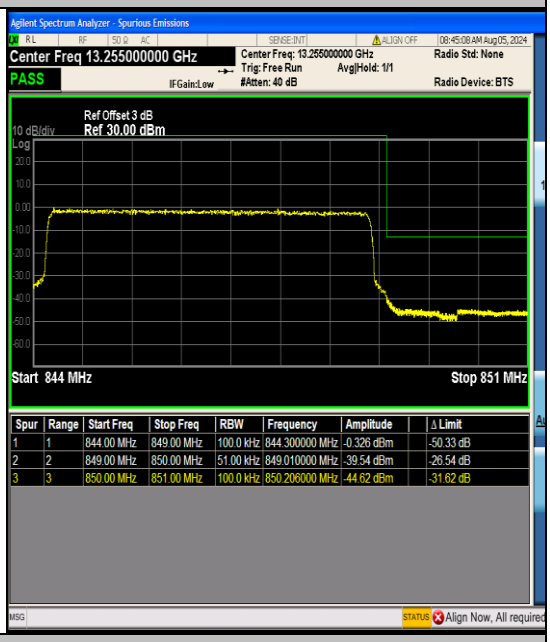
Band5_3MHz_16QAM_20415_15RB#0



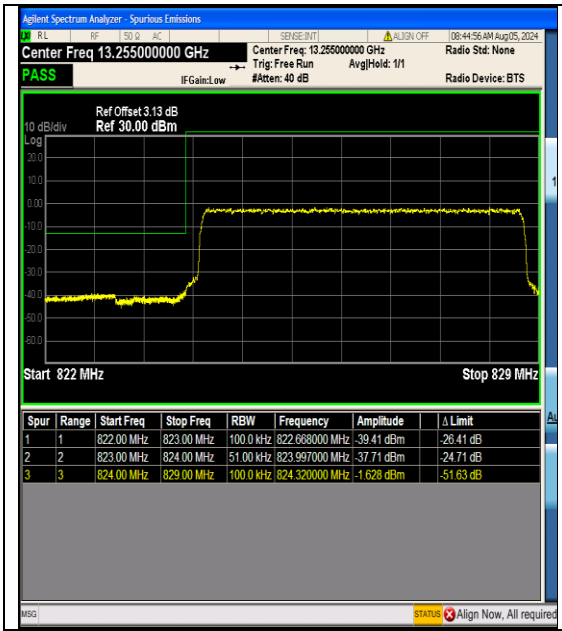
Band5_3MHz_16QAM_20635_15RB#0



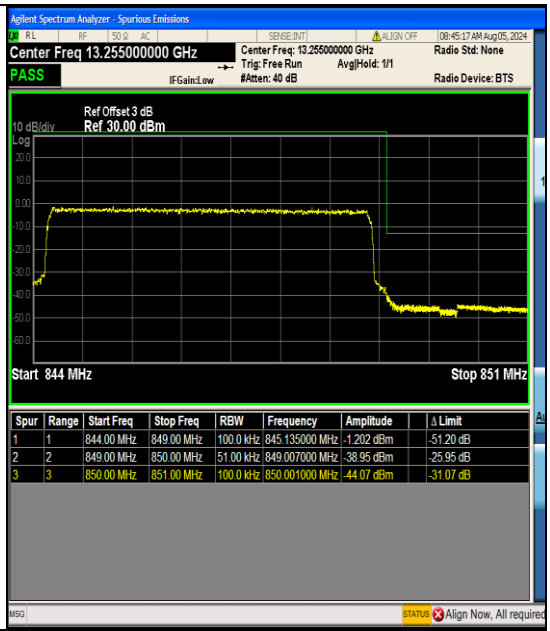
Band5_5MHz_QPSK_20425_25RB#0



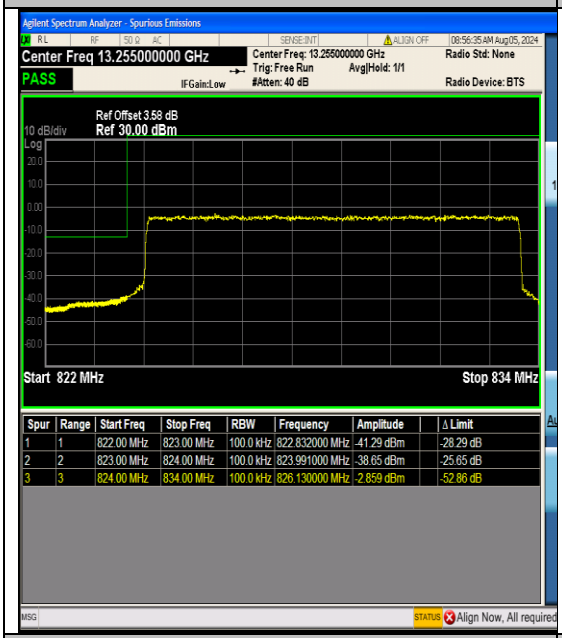
Band5_5MHz_QPSK_20625_25RB#0



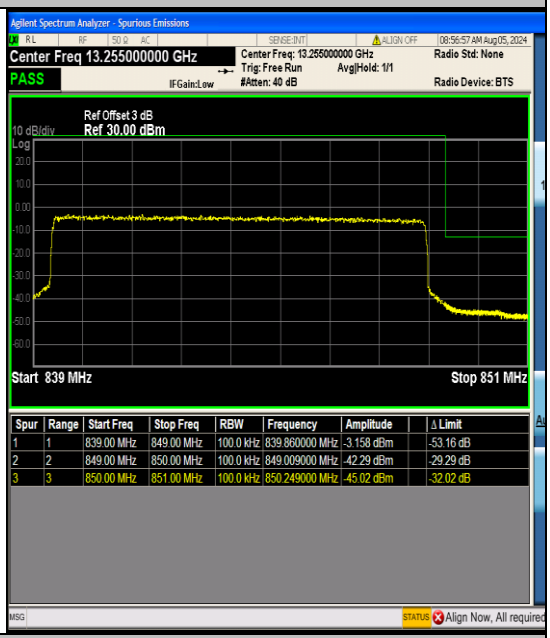
Band5_5MHz_16QAM_20425_25RB#0



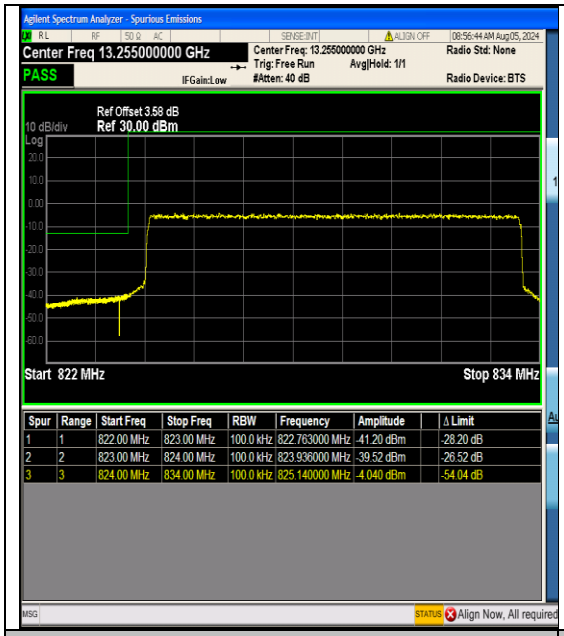
Band5_5MHz_16QAM_20625_25RB#0



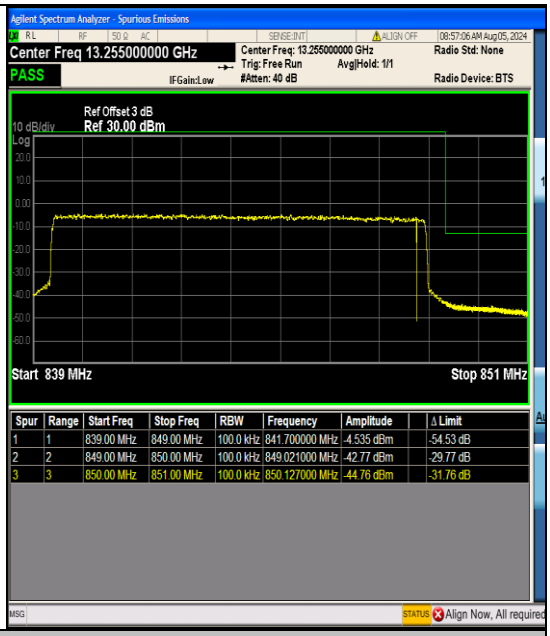
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

Appendix E: Conducted Spurious Emission

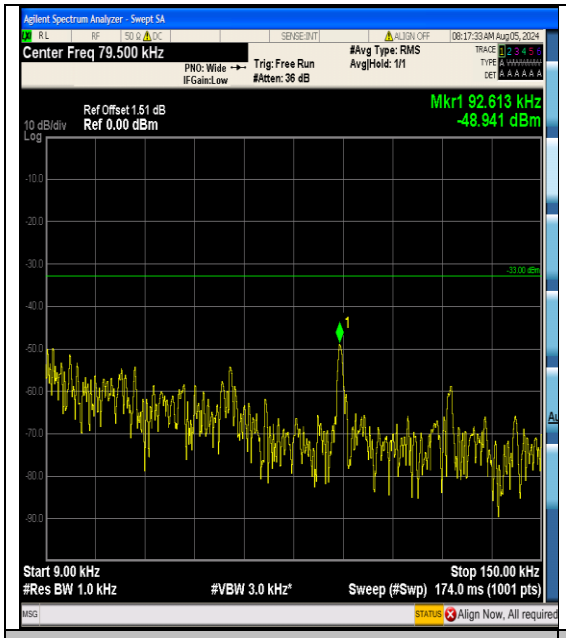
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-48.94	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-53.93	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-53.77	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-49.31	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.78	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-47.97	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-55.01	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-55.61	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-49.78	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.49	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-47.34	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-50.55	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-52.22	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-50.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-50.04	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-46.55	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-54.79	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-55.94	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-50.40	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-50.13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-45.88	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-52.29	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-56.06	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-51.28	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-49.93	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-47.54	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-51.39	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-54.16	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-51.26	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.53	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-47.59	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-53.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-54.47	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-52.12	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-49.75	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-49.90	PASS

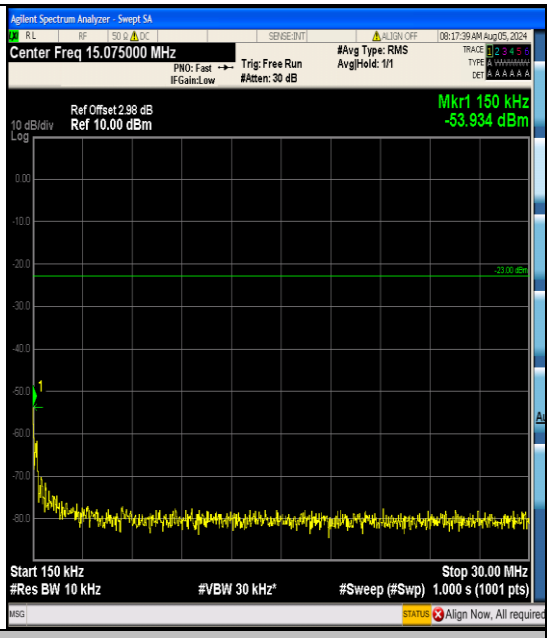
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-53.43	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-54.71	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-51.85	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.96	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-45.09	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-55.07	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-52.78	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-52.40	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-49.40	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-46.57	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-53.82	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-55.67	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.73	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-50.02	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-47.48	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-51.47	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-56.05	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.48	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-50.02	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-48.34	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-55.66	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-54.94	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.59	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-49.60	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-46.16	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-53.37	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-56.31	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-52.19	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-49.62	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-48.63	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-52.16	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-56.31	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.51	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.89	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-48.20	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-53.56	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-54.36	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.38	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-49.70	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-47.92	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-54.02	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-58.21	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.19	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-49.93	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-48.01	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-54.84	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-57.14	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.56	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-49.79	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-46.43	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-54.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-56.22	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.37	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-49.37	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-45.34	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-52.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-65.99	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.80	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.62	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-48.04	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-53.01	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-60.06	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.38	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-49.86	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-47.44	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-51.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-58.16	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.68	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-49.84	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-47.49	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-55.77	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-66.26	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.64	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-49.50	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-48.14	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-53.91	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-61.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.47	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-49.65	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-50.89	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-54.07	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-59.76	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.68	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.73	PASS

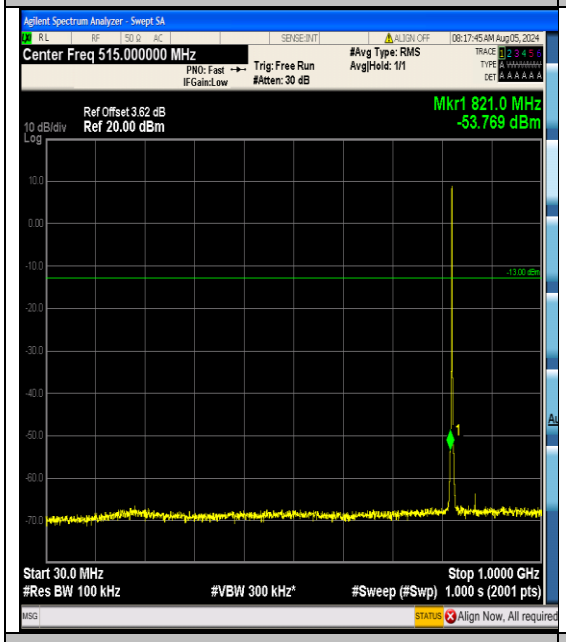
Test Graphs



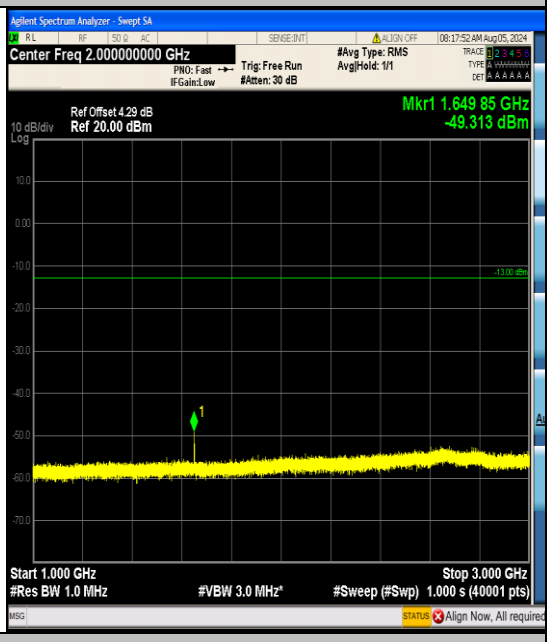
Band5_1.4MHz_QPSK_20407_6RB#0_0.009~0.15_0.009~0.15



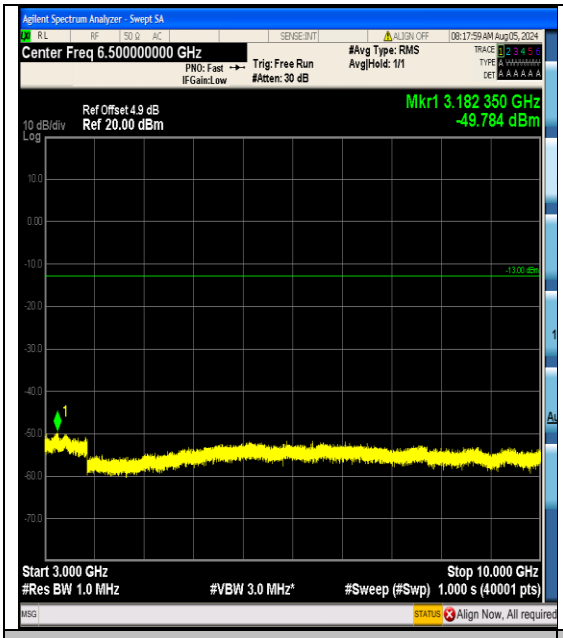
Band5_1.4MHz_QPSK_20407_6RB#0_0.15~30_0.15~30



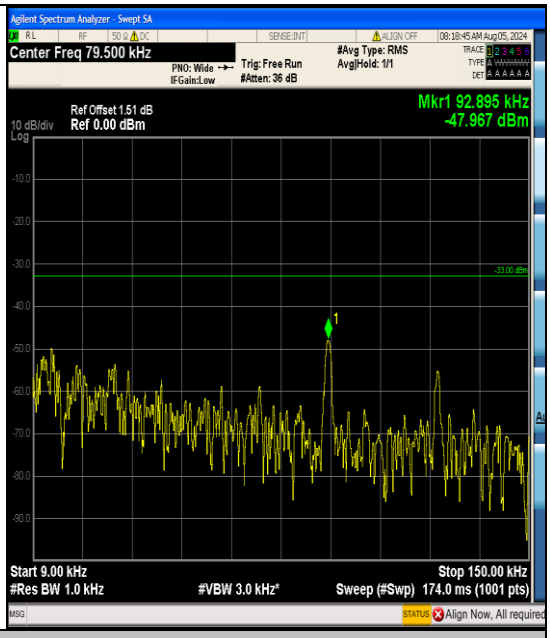
Band5_1.4MHz_QPSK_20407_6RB#0_30~1000_30~1000



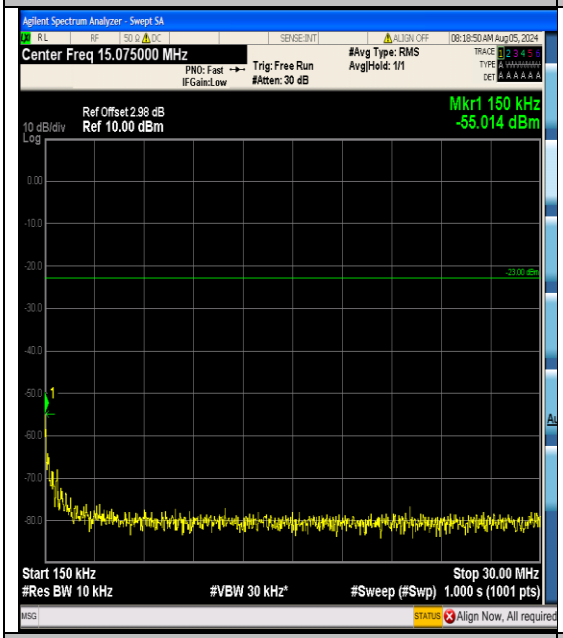
Band5_1.4MHz_QPSK_20407_6RB#0_1000~3000_1000~3000



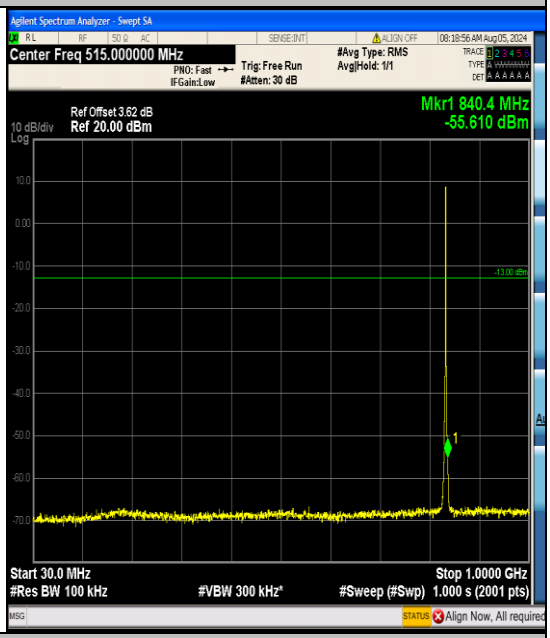
Band5_1.4MHz_QPSK_20407_6RB#0_3000~10000_3000~10000



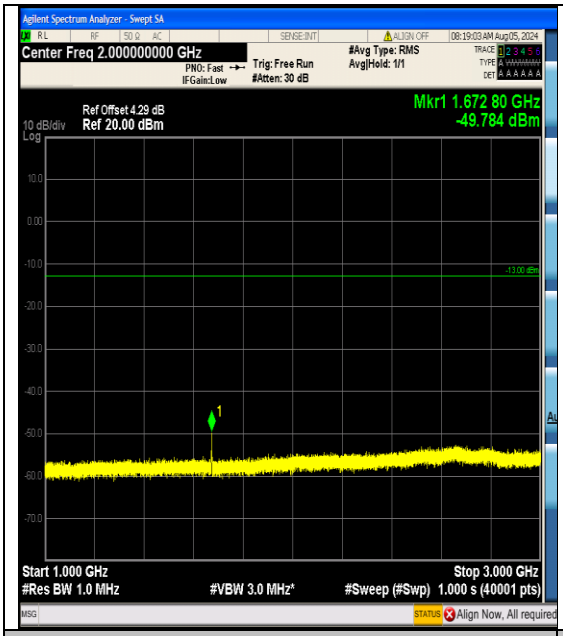
Band5_1.4MHz_QPSK_20525_6RB#0_0.009~0.15_0.009~0.15



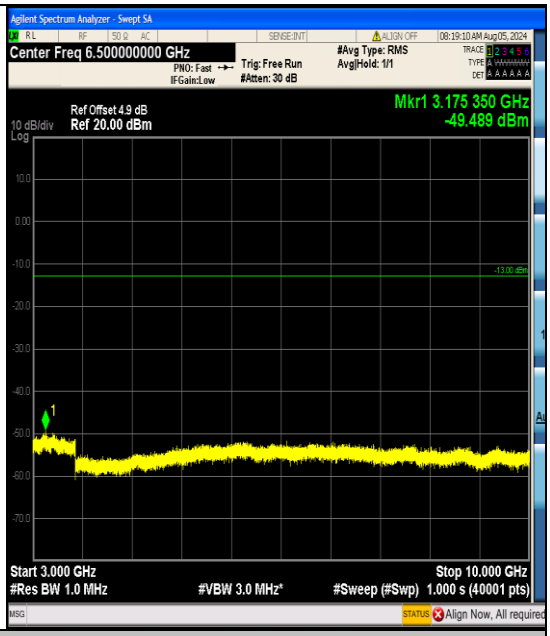
Band5_1.4MHz_QPSK_20525_6RB#0_0.15~30_0.15~30



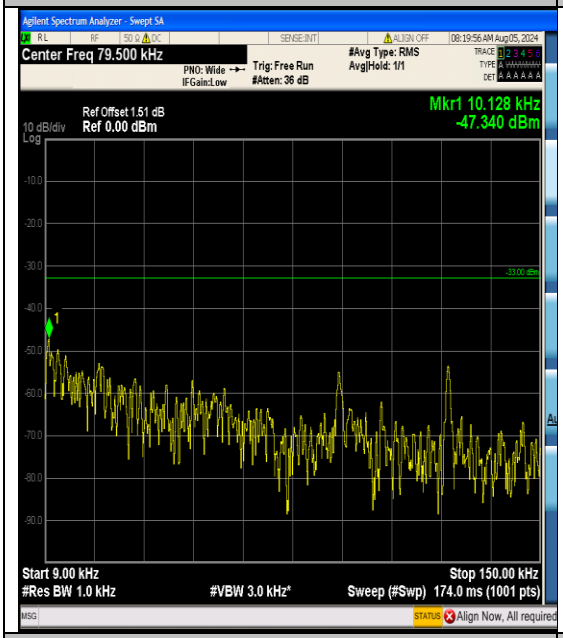
Band5_1.4MHz_QPSK_20525_6RB#0_30~1000_30~1000



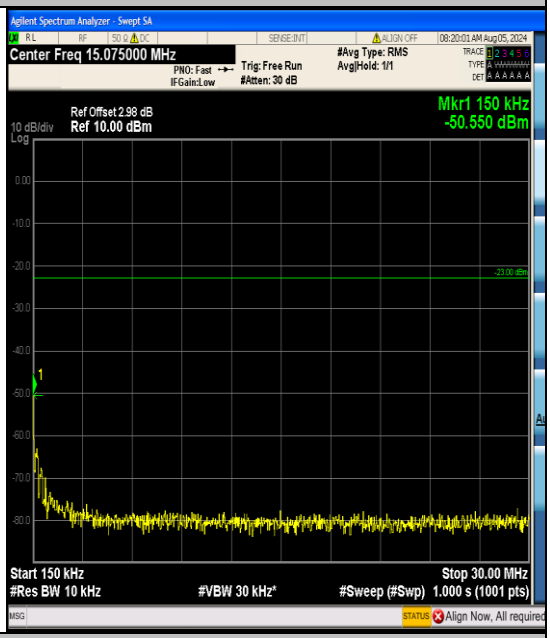
Band5_1.4MHz_QPSK_20525_6RB#0_1000~3000_1000~3000



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