FCC Appendix RF Test Data for LTE

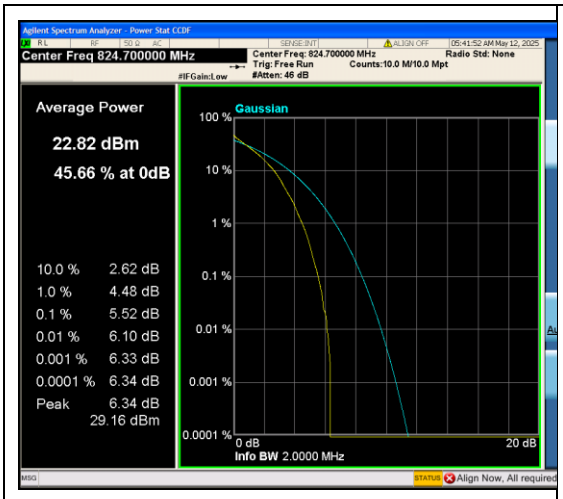
FCC ID	**:**	**2BPTB-CTAB12**
Company:	**:**	**LEON TRADE(H.K.)CO.,LIMITED.**
EUT	**:**	**11.97 inch Tablet**
Model Number	**:**	**Ctab 12**
Report No.	**:**	**CTA25050803005**
Reviewed By	**:**	**Eric Wang**

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

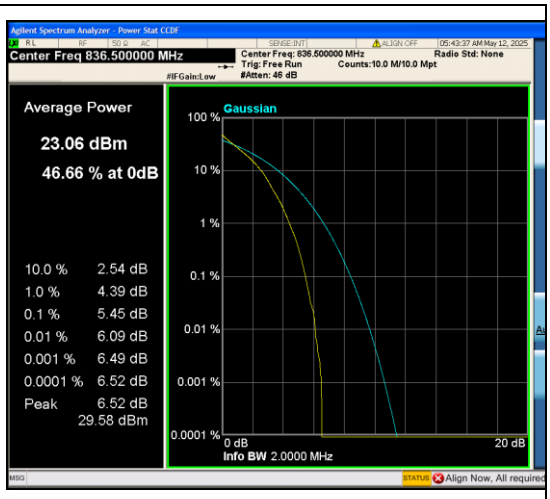
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.52	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.45	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.49	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.27	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.20	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.26	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.40	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.52	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.66	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.27	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.31	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.57	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.59	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.25	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.16	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.24	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.56	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.59	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.65	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.28	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.29	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.41	13	PASS

Test Graphs



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



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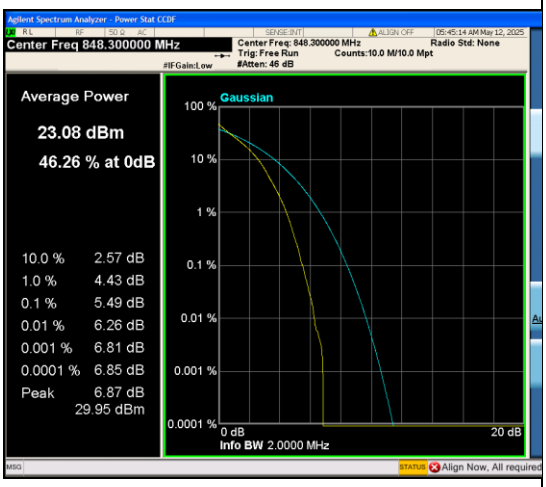
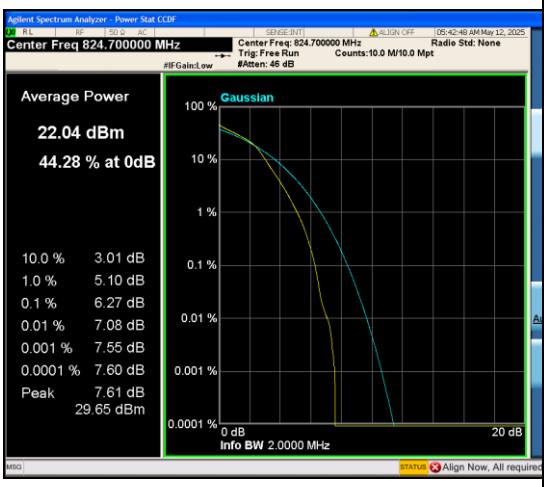
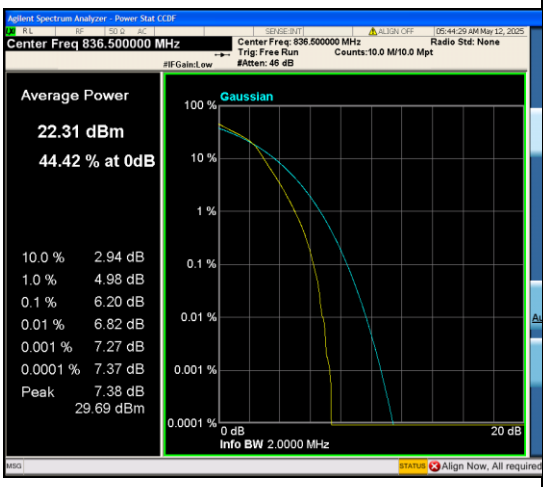


Band5-1.4MHz-QPSK-20643-6RB#0-PASS



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



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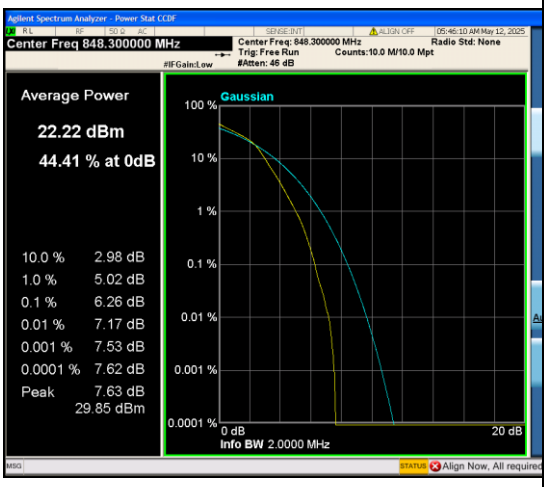

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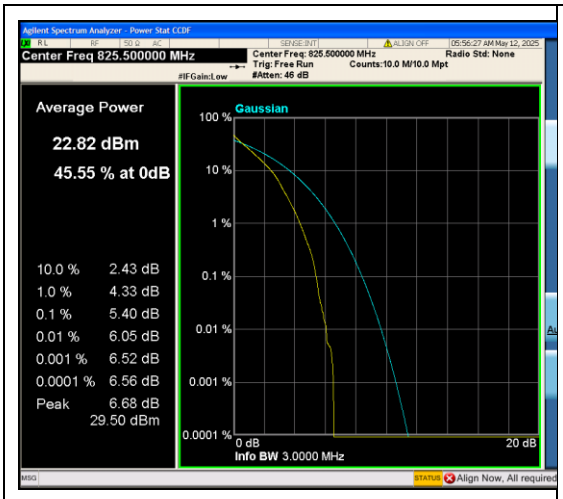
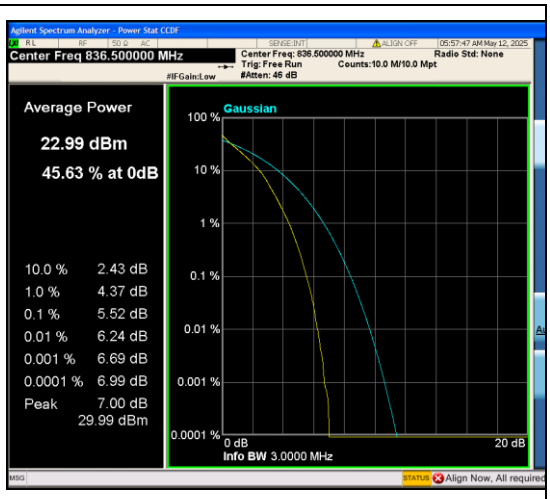


Band5-3MHz-QPSK-20415-15RB#0-PASS



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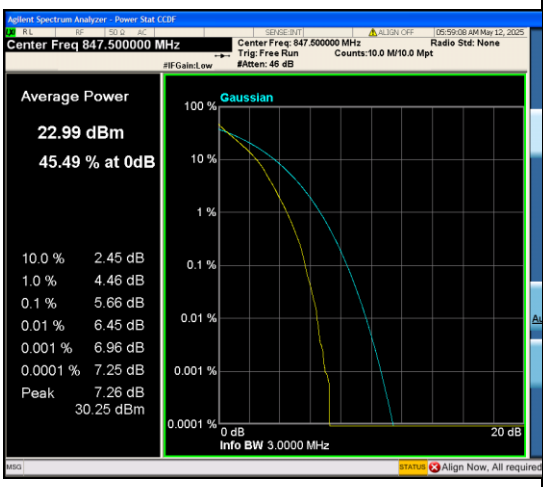

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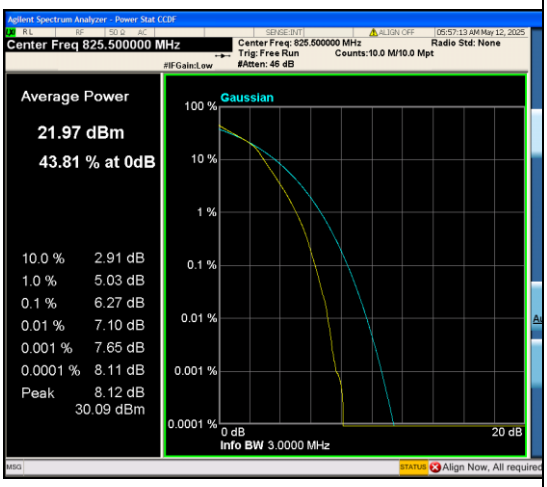

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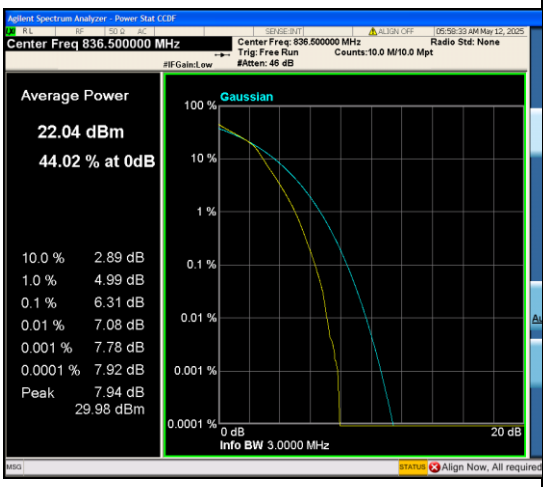

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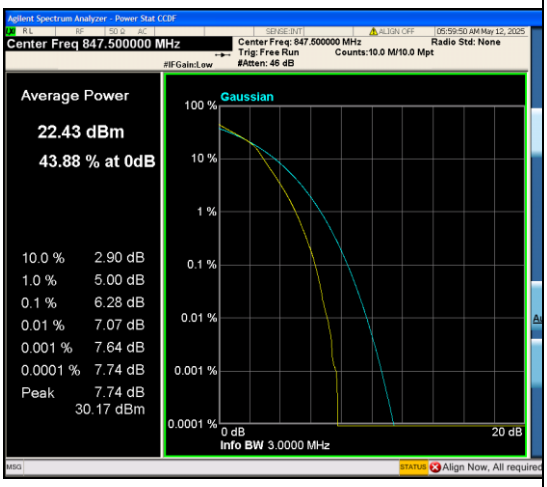

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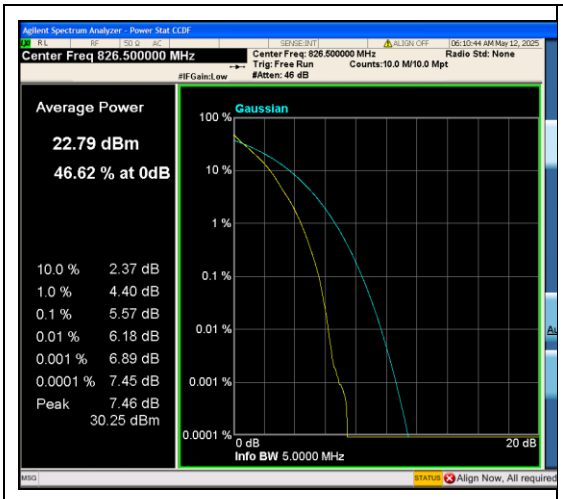
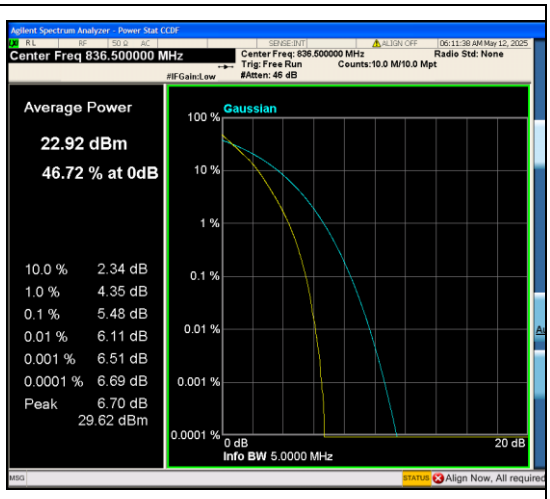
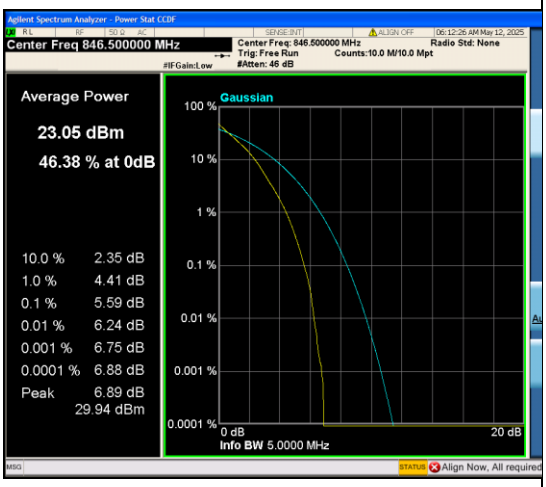


Band5-5MHz-QPSK-20425-25RB#0-PASS



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



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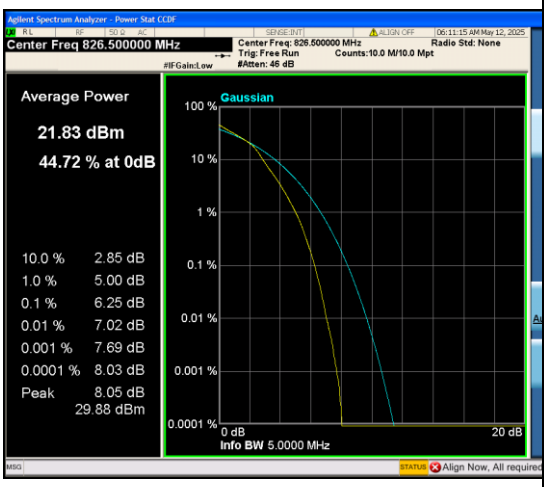

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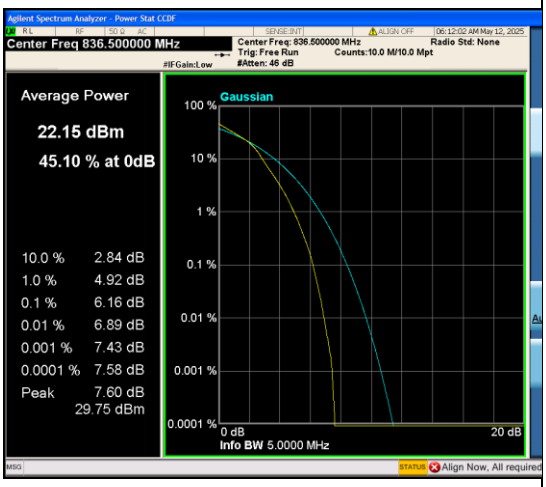

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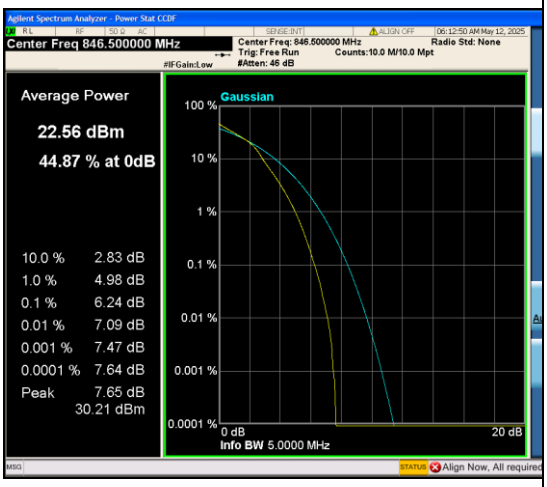

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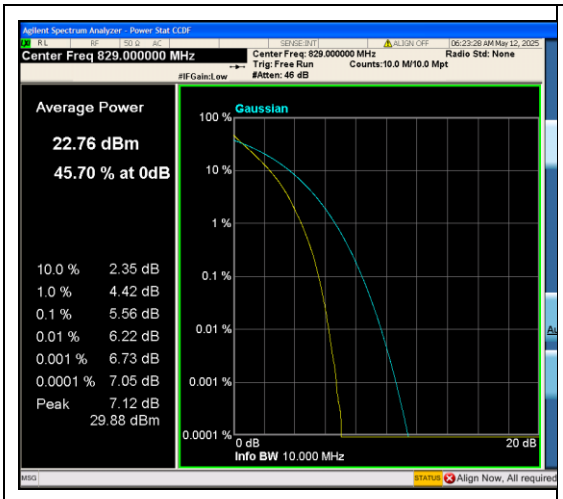
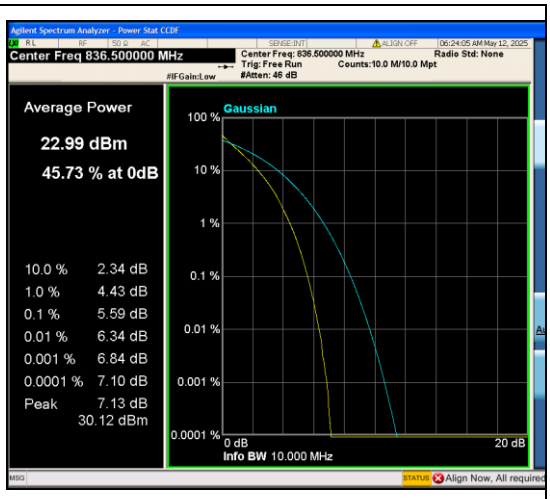
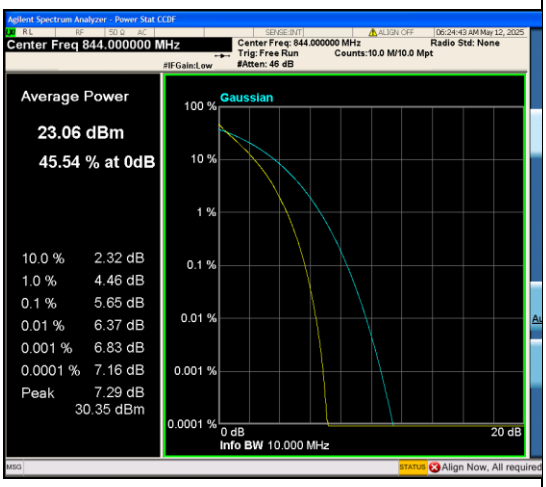


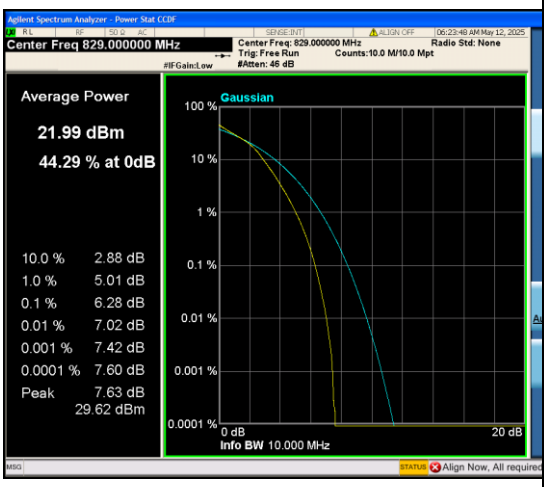
Band5-10MHz-QPSK-20450-50RB#0-PASS



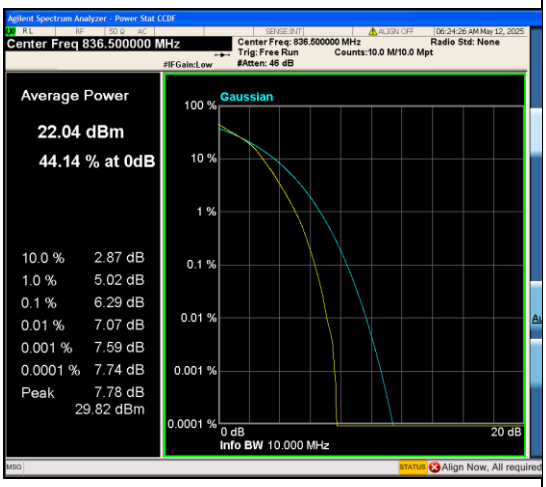
Band5-10MHz-QPSK-20525-50RB#0-PASS



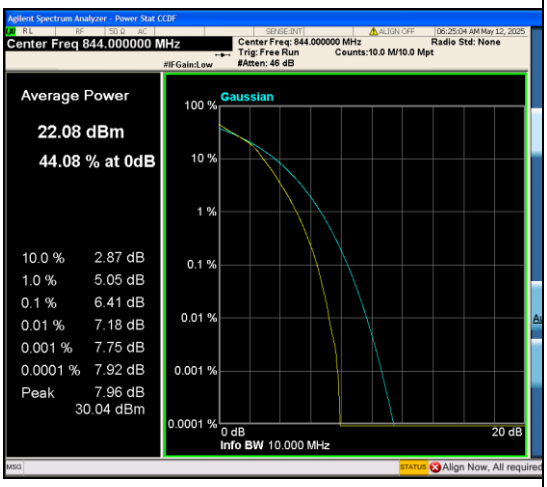
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



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



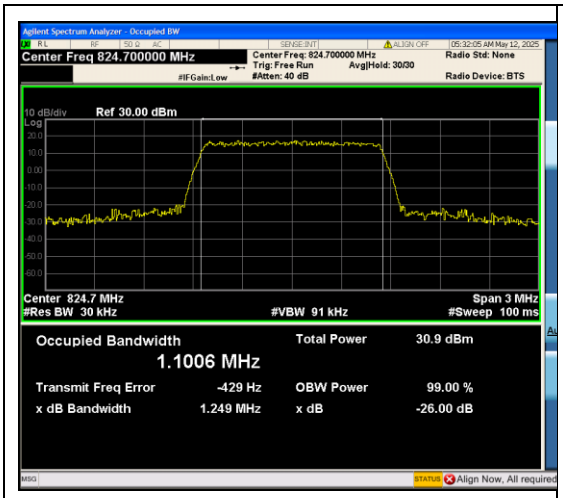
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

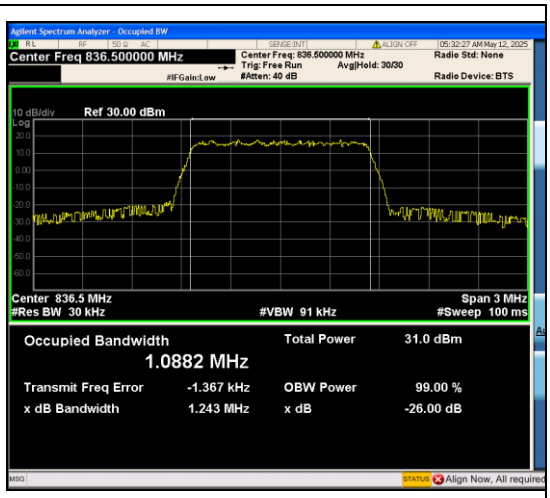
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.1006	1.249	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0882	1.243	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0956	1.246	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0916	1.240	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1023	1.249	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0951	1.255	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7107	3.016	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6985	3.014	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7149	3.028	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7020	3.030	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7067	3.033	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7067	3.030	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5051	4.979	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4992	4.959	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5092	4.992	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5058	4.962	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5074	4.968	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5285	5.008	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9845	9.852	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0018	9.876	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9647	9.850	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9628	9.889	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9978	9.925	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9919	9.927	PASS

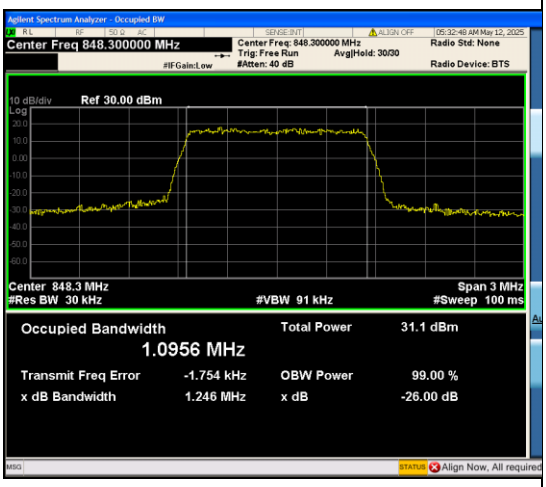
Test Graphs



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



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



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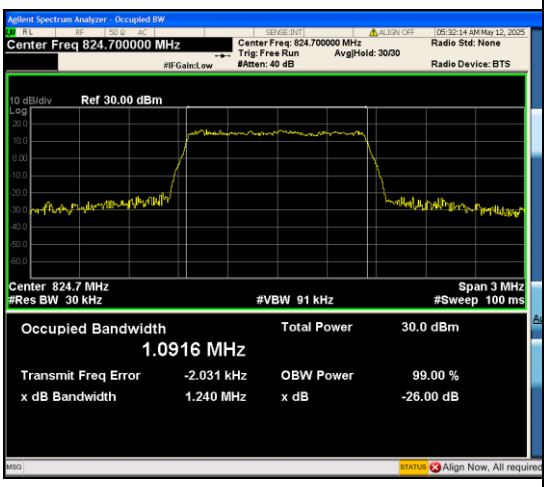
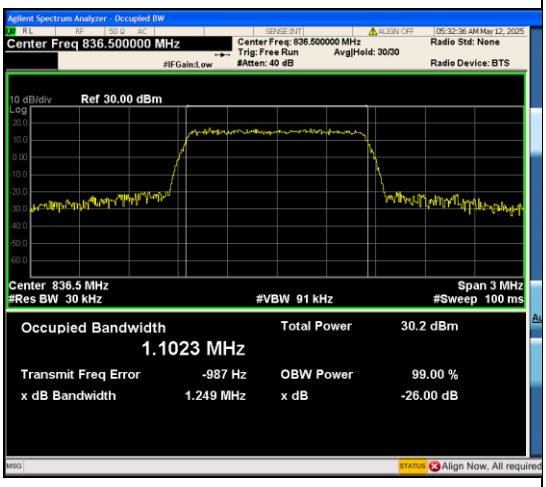
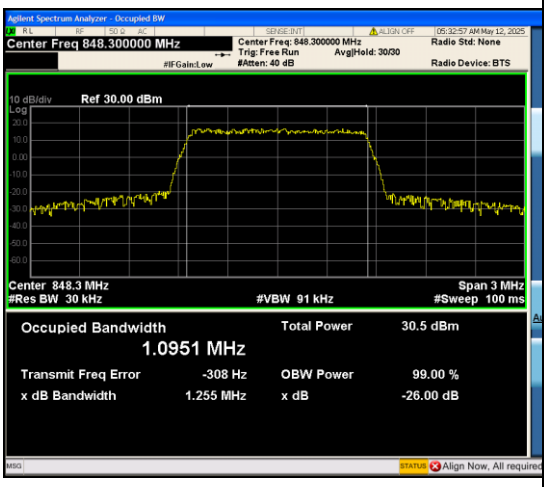


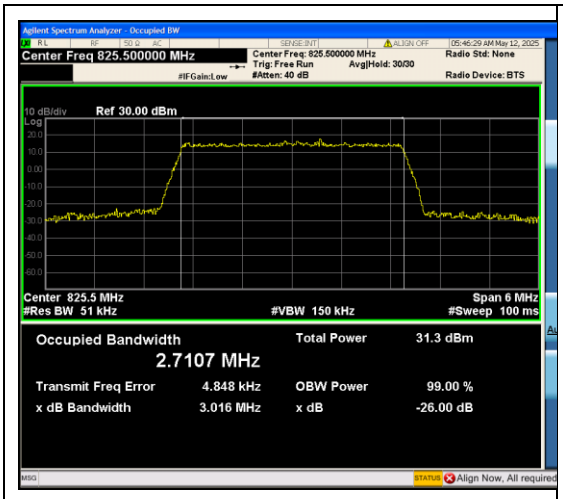
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



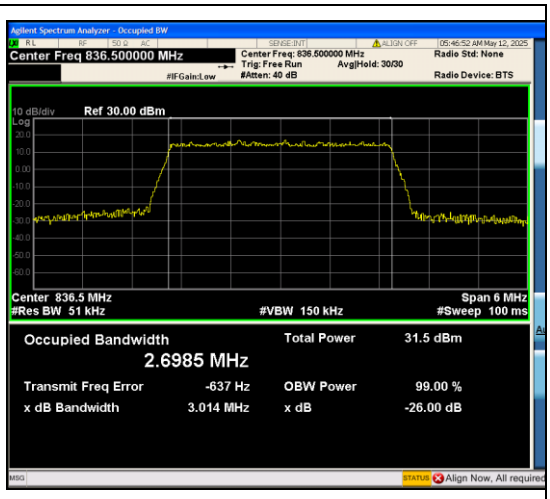
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



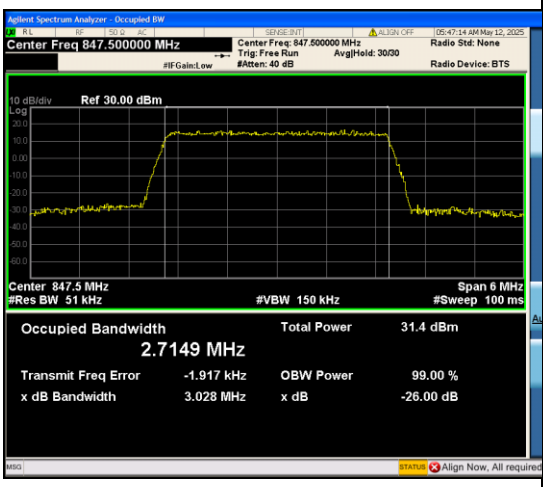
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



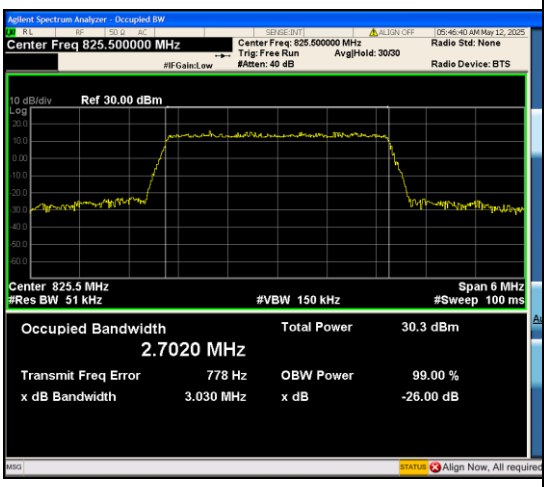
Band5-3MHz-QPSK-20415-15RB#0-PASS



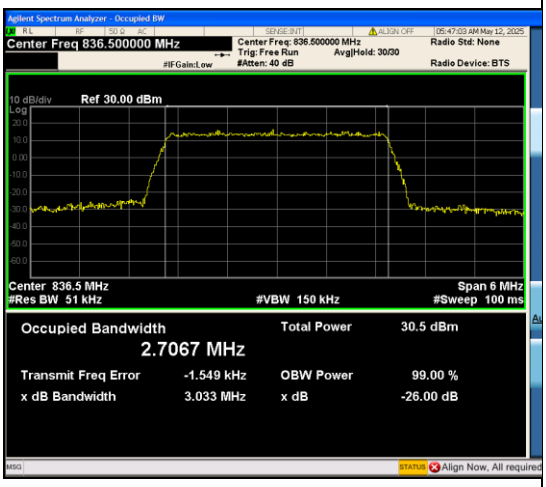
Band5-3MHz-QPSK-20525-15RB#0-PASS



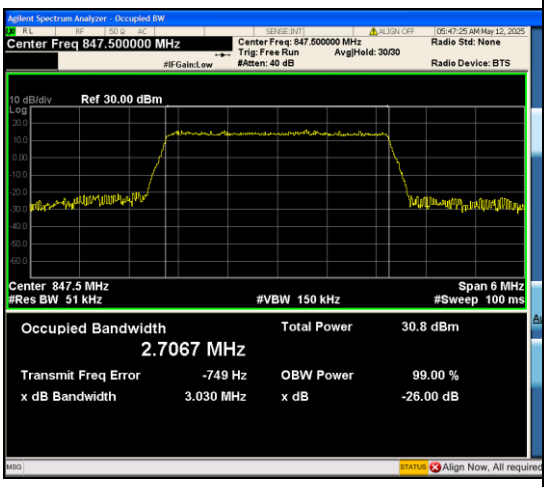
Band5-3MHz-QPSK-20635-15RB#0-PASS



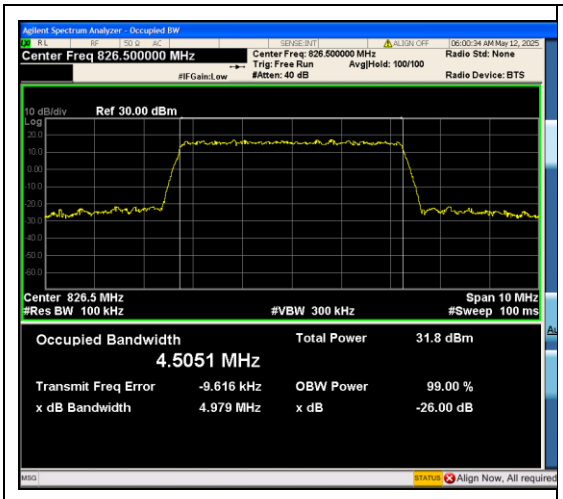
Band5-3MHz-16QAM-20415-15RB#0-PASS



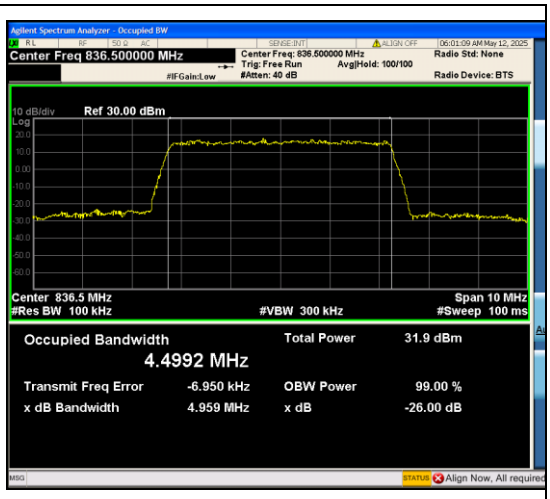
Band5-3MHz-16QAM-20525-15RB#0-PASS



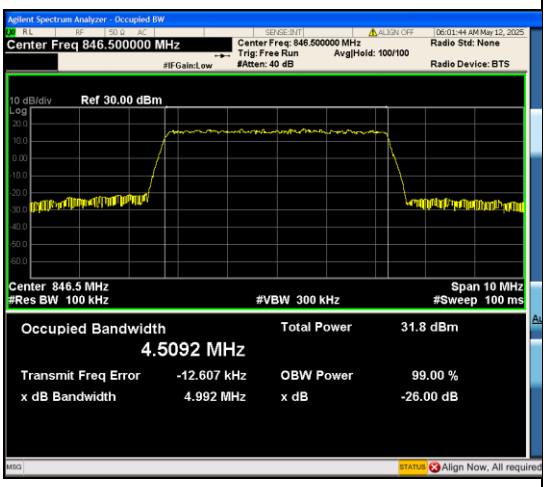
Band5-3MHz-16QAM-20635-15RB#0-PASS



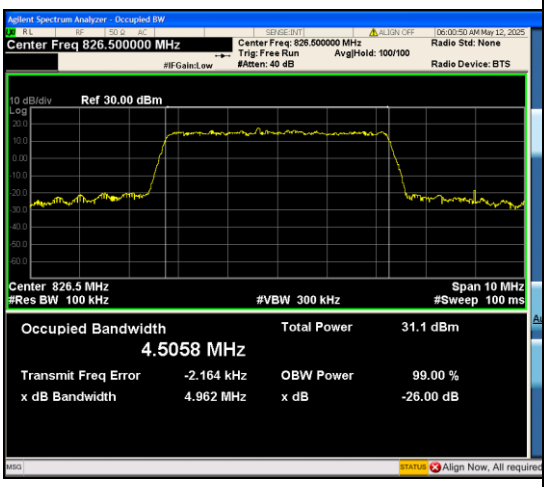
Band5-5MHz-QPSK-20425-25RB#0-PASS



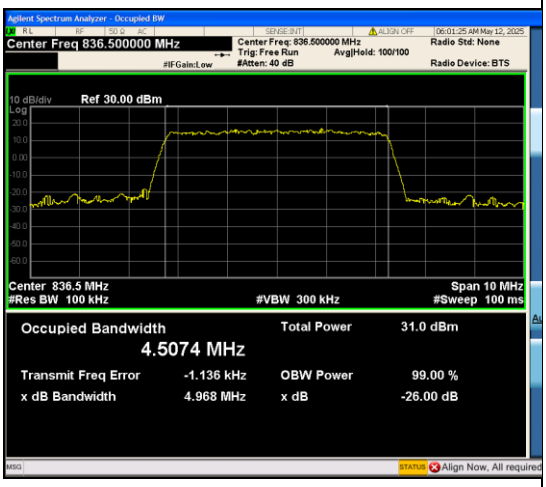
Band5-5MHz-QPSK-20525-25RB#0-PASS



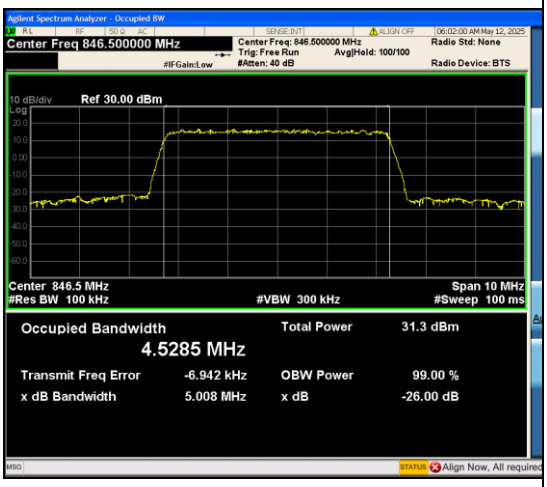
Band5-5MHz-QPSK-20625-25RB#0-PASS



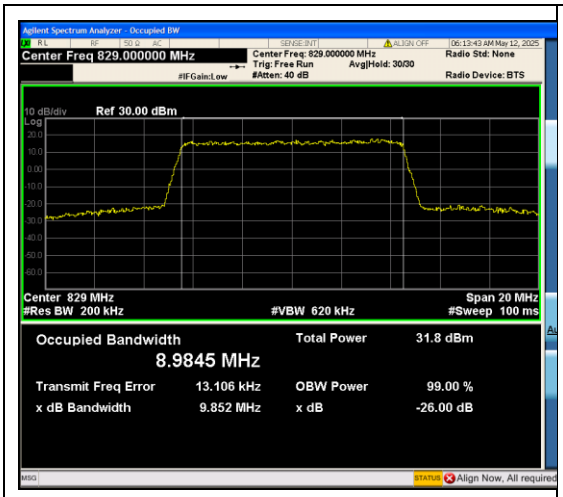
Band5-5MHz-16QAM-20425-25RB#0-PASS



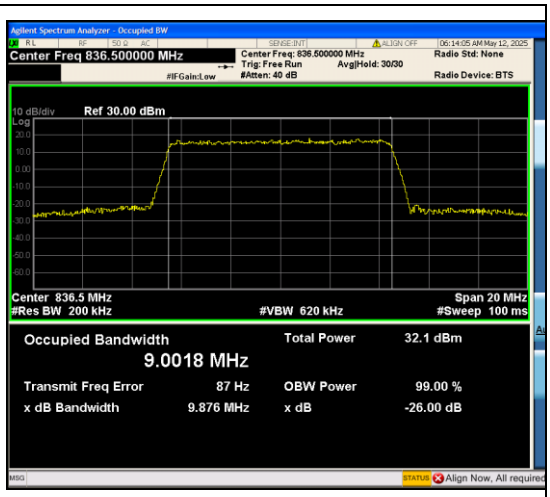
Band5-5MHz-16QAM-20525-25RB#0-PASS



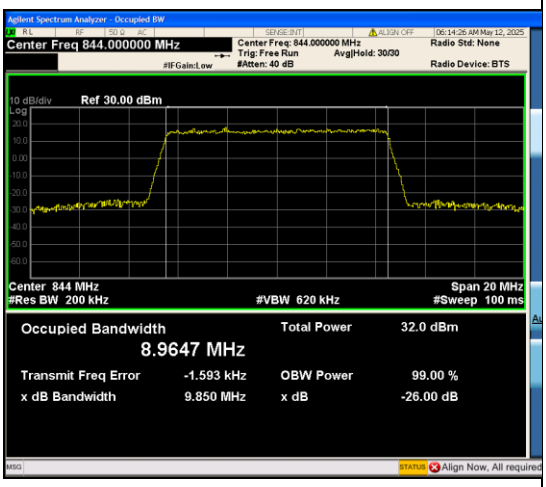
Band5-5MHz-16QAM-20625-25RB#0-PASS



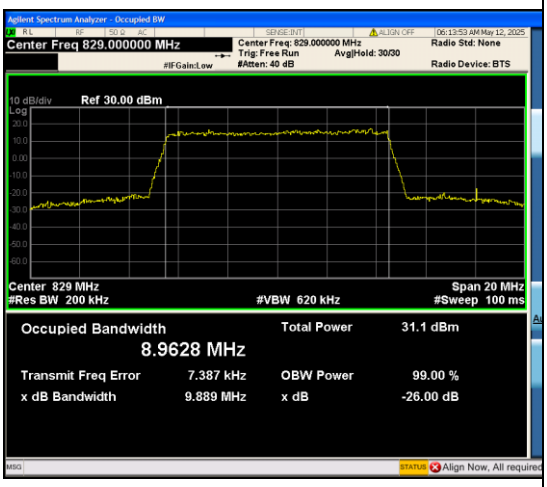
Band5-10MHz-QPSK-20450-50RB#0-PASS



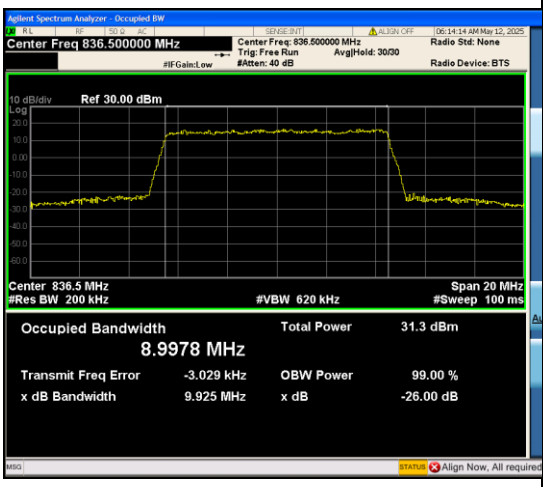
Band5-10MHz-QPSK-20525-50RB#0-PASS



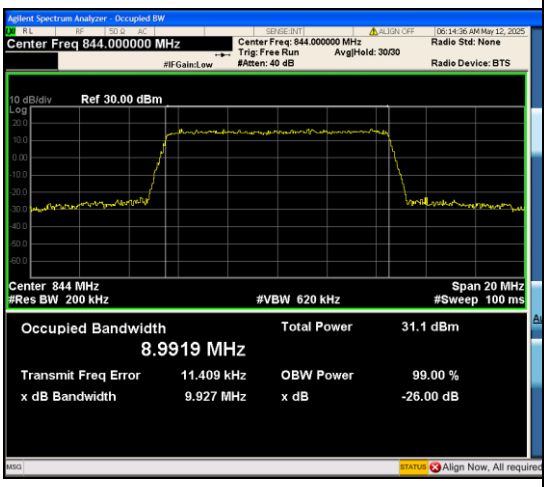
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



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



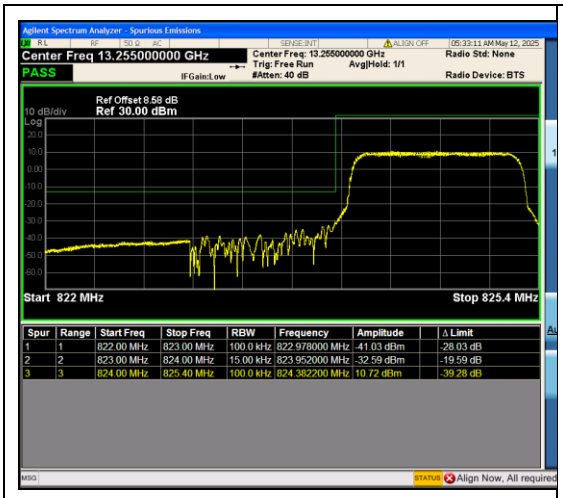
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix D: Band Edge

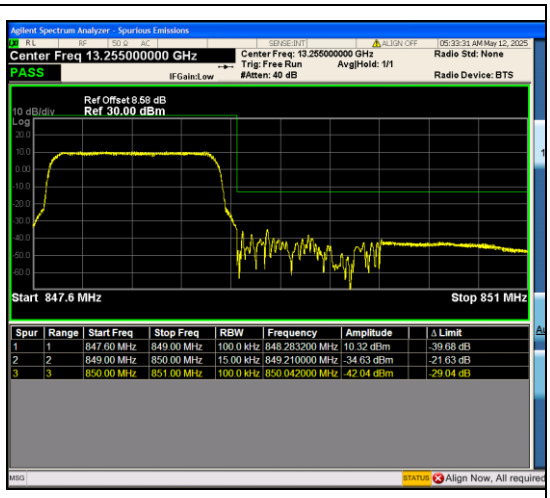
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-32.59	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-34.63	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.36	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-35.07	PASS
Band5	3MHz	QPSK	20415	15RB#0	-28.25	PASS
Band5	3MHz	QPSK	20635	15RB#0	-30.50	PASS
Band5	3MHz	16QAM	20415	15RB#0	-30.67	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.66	PASS
Band5	5MHz	QPSK	20425	25RB#0	-35.35	PASS
Band5	5MHz	QPSK	20625	25RB#0	-36.60	PASS
Band5	5MHz	16QAM	20425	25RB#0	-36.07	PASS
Band5	5MHz	16QAM	20625	25RB#0	-37.76	PASS
Band5	10MHz	QPSK	20450	50RB#0	-38.55	PASS
Band5	10MHz	QPSK	20600	50RB#0	-40.21	PASS
Band5	10MHz	16QAM	20450	50RB#0	-39.46	PASS
Band5	10MHz	16QAM	20600	50RB#0	-40.25	PASS

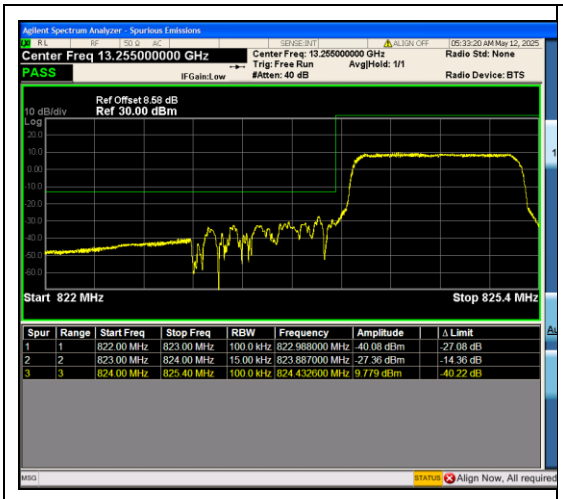
Test Graphs



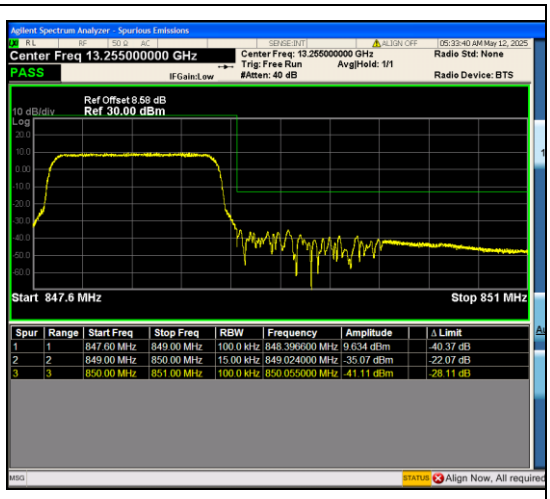
Band5_1.4MHz_QPSK_20407_6RB#0



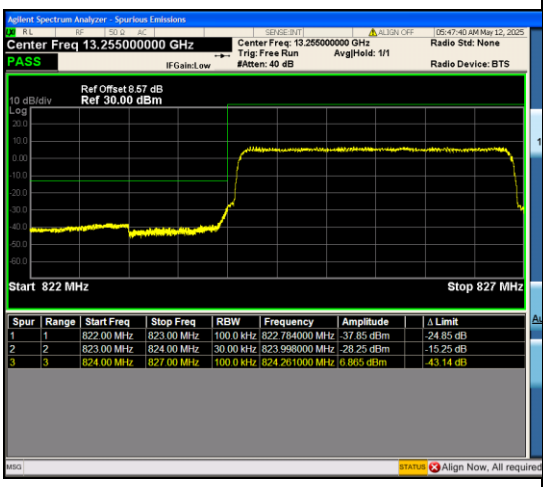
Band5_1.4MHz_QPSK_20643_6RB#0



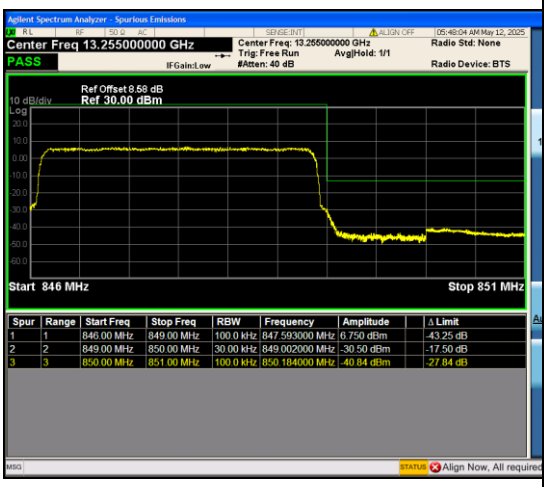
Band5_1.4MHz_16QAM_20407_6RB#0



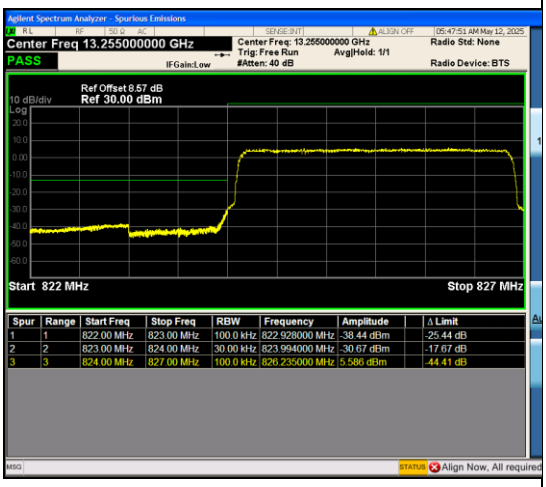
Band5_1.4MHz_16QAM_20643_6RB#0



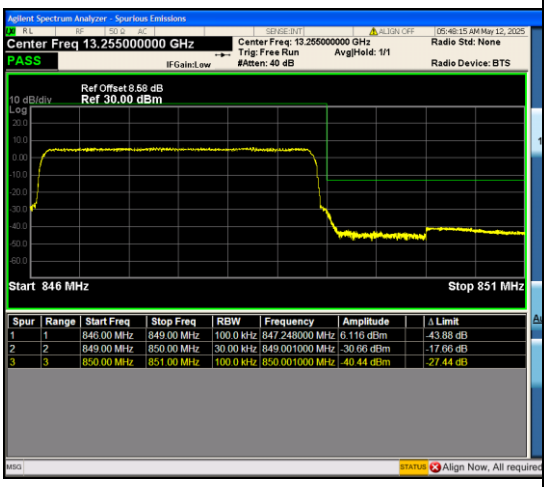
Band5_3MHz_QPSK_20415_15RB#0



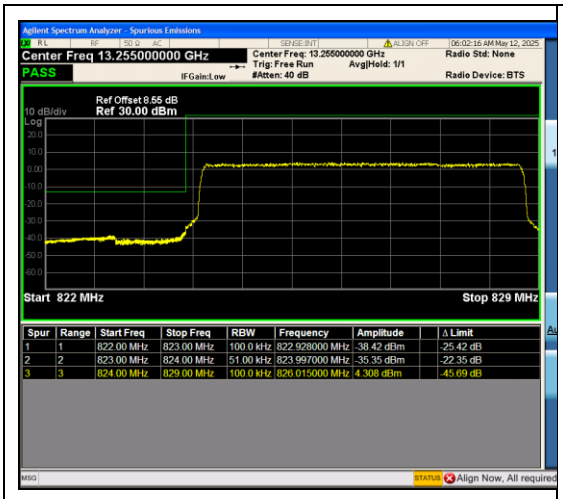
Band5_3MHz_QPSK_20635_15RB#0



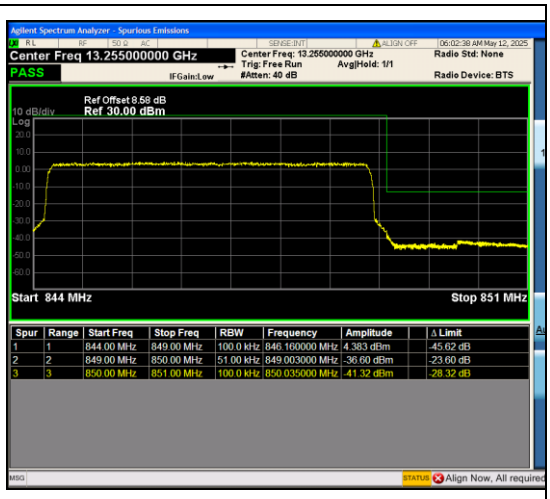
Band5_3MHz_16QAM_20415_15RB#0



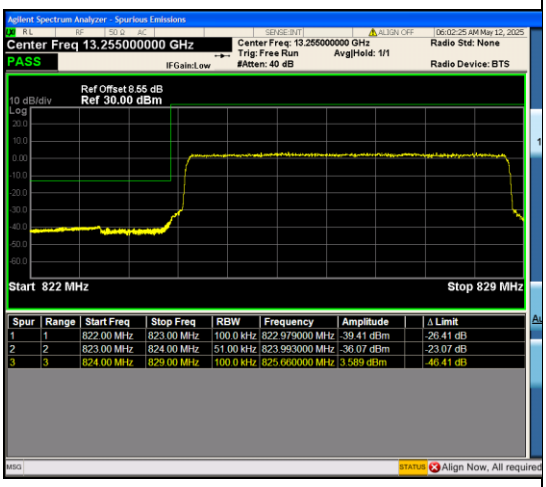
Band5_3MHz_16QAM_20635_15RB#0



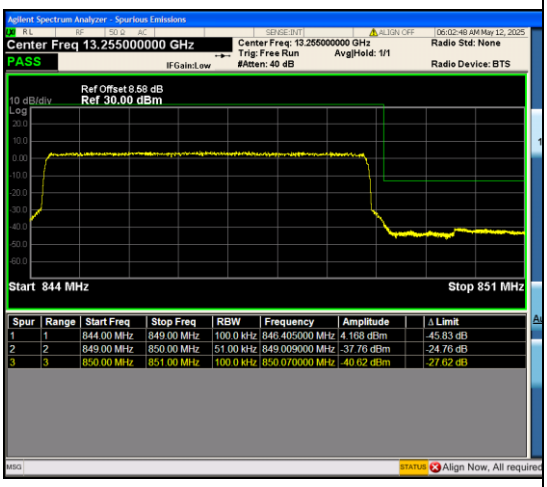
Band5_5MHz_QPSK_20425_25RB#0



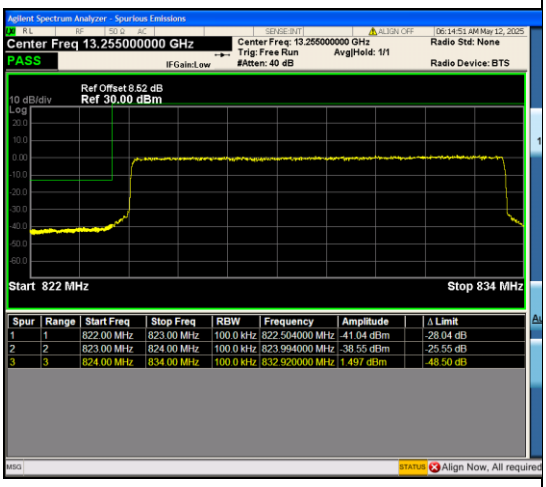
Band5_5MHz_QPSK_20625_25RB#0



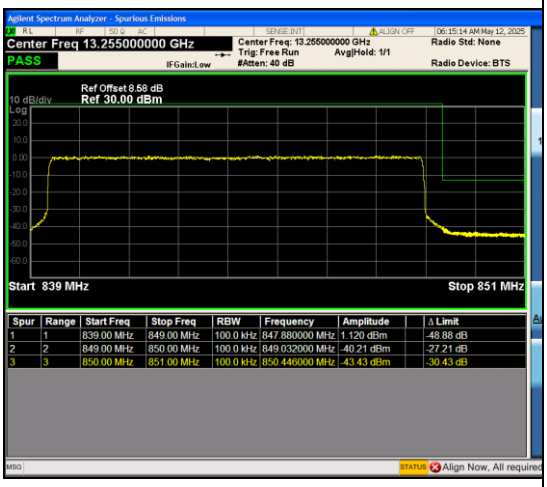
Band5_5MHz_16QAM_20425_25RB#0



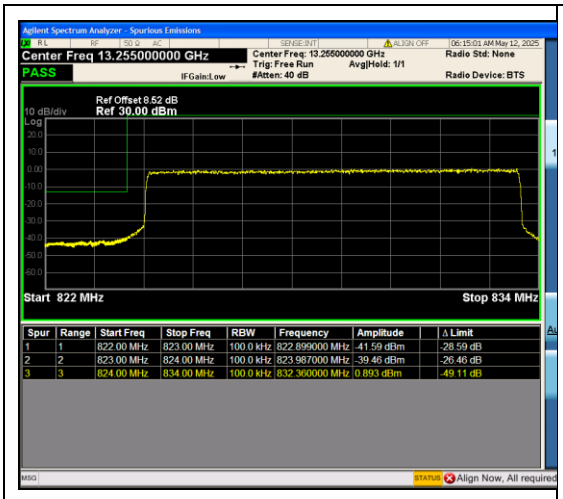
Band5_5MHz_16QAM_20625_25RB#0



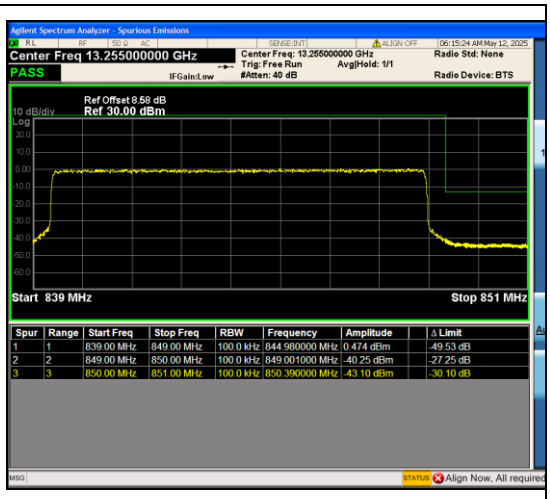
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

Appendix E: Conducted Spurious Emission

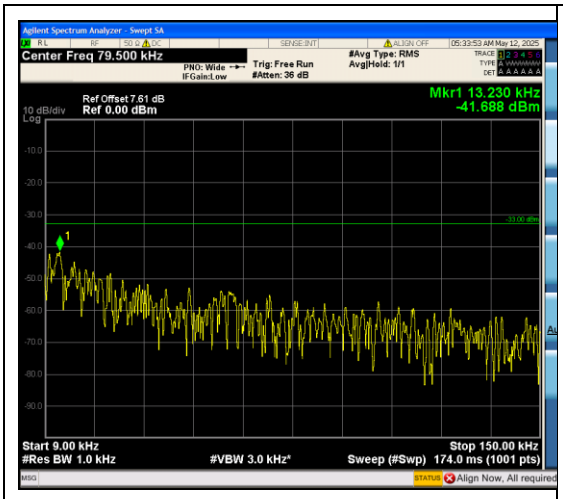
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-41.69	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-52.54	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-48.52	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-44.40	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-43.43	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-41.14	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-53.85	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-52.93	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-41.13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-43.58	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-41.60	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-54.46	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-45.69	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-46.04	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-43.50	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-38.65	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-54.79	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-52.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-44.14	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-43.77	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-39.84	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-53.23	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-52.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-41.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-43.17	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-40.37	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-52.84	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-49.88	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-45.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-43.79	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-42.25	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-53.21	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-49.57	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-46.74	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-43.52	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-43.18	PASS

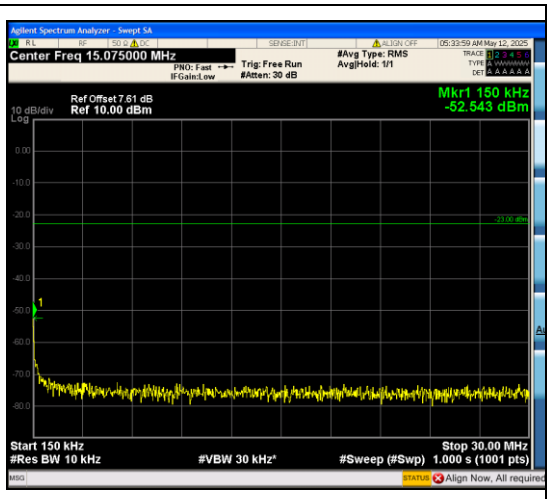
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-53.22	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-50.21	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-44.18	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-43.54	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-39.66	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-54.68	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-49.96	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-46.40	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-43.68	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-42.64	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-54.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-50.90	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-46.80	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-43.94	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-43.51	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-52.16	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-51.29	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-44.42	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-43.18	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-41.61	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-54.70	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-51.19	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-46.74	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-43.23	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-40.67	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-52.40	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-52.01	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-47.05	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-43.50	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-41.08	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-53.96	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-52.08	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-45.35	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-43.18	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-42.46	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-54.23	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-53.30	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.67	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-43.19	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-39.63	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-55.21	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-54.75	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-46.62	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-43.62	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-43.33	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-54.75	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-53.62	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-45.65	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-43.38	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-42.85	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-54.75	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-54.18	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-46.88	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-43.54	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-40.31	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-53.86	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-56.28	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-46.89	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-42.85	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-41.85	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-51.60	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-61.25	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-46.66	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-43.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-39.98	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-53.26	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-57.75	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-46.60	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-43.22	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-40.84	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-53.97	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-56.87	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-46.70	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-43.58	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-43.96	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-52.85	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-61.20	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-47.18	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-43.70	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-44.08	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-51.50	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-57.87	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-47.03	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-43.56	PASS

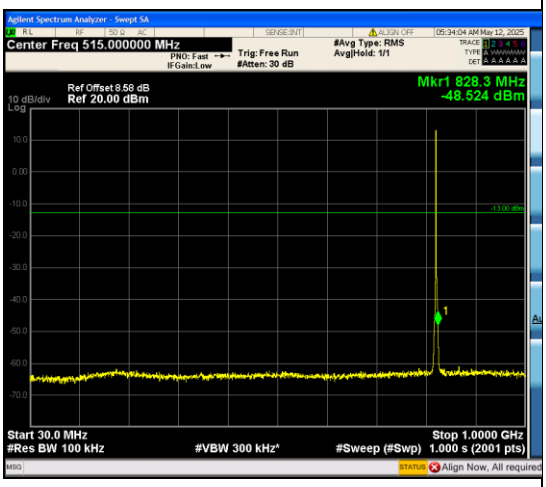
Test Graphs



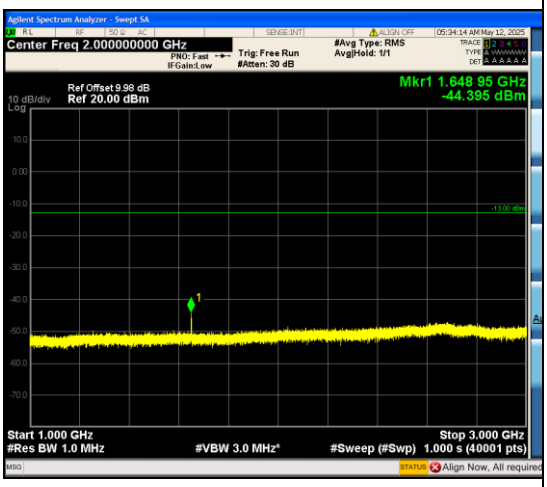
Band5_1.4MHz_QPSK_20407_6RB#0_0.009~0.15_0.009~0.15



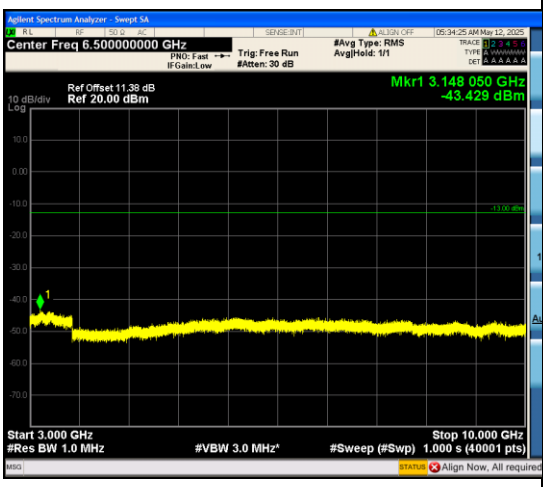
Band5_1.4MHz_QPSK_20407_6RB#0_0.15~30_0.15~30



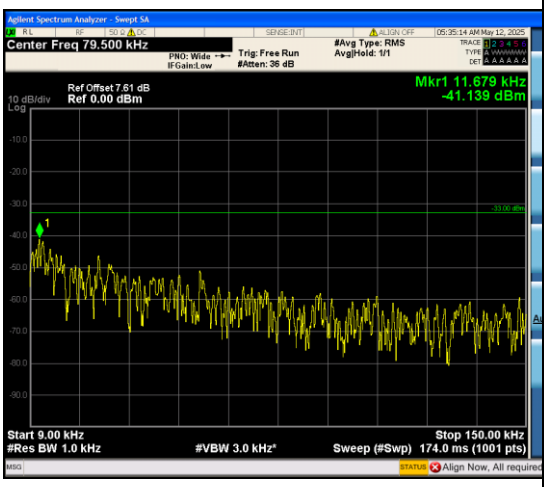
Band5_1.4MHz_QPSK_20407_6RB#0_30~1000_30~1000



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