FCC LTE Band Test Data

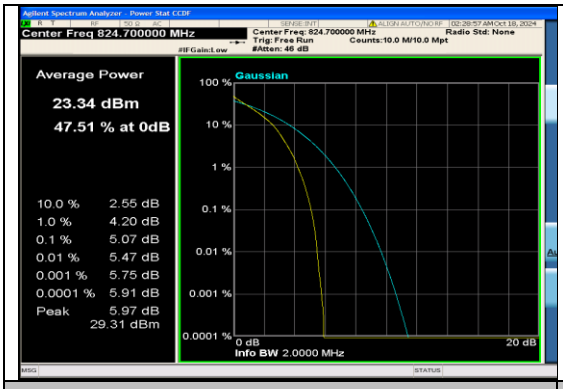
FCC ID	**:**	**2BDCL-M616A**
Company:	**:**	**Signalinks Communication Technology Co.,Ltd**
EUT	**:**	**4G LTE Mobile Wifi**
Model Number	**:**	**M616A**
Reviewed By	**:**	**Eric Wang**

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

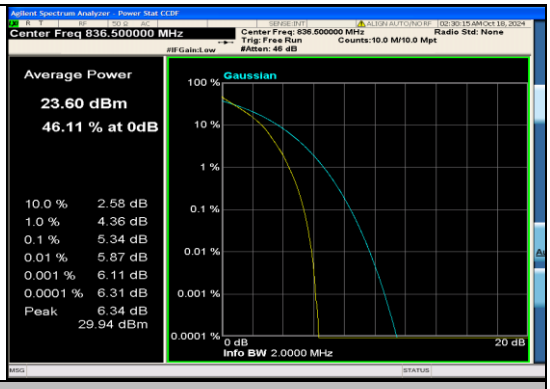
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.07	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.34	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.90	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.89	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.32	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.57	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.87	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.12	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.16	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.27	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.47	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.46	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.08	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.02	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.35	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.47	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.90	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.05	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.04	13	PASS

Test Graphs



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



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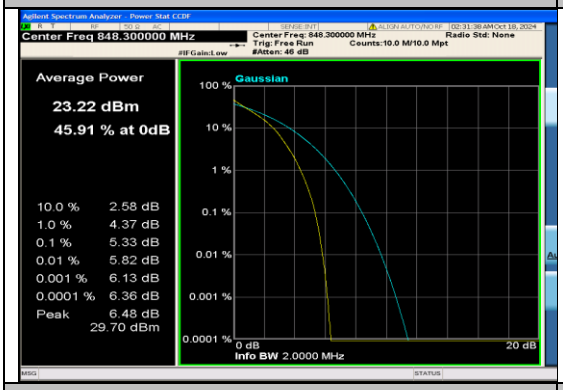

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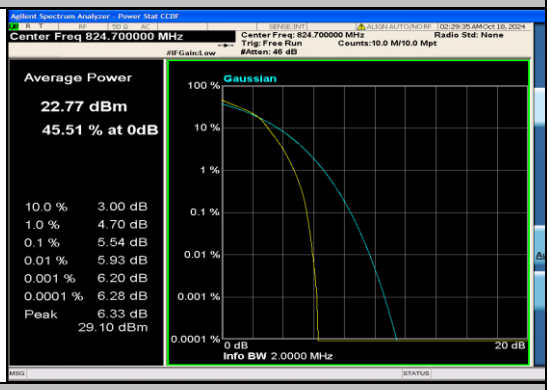
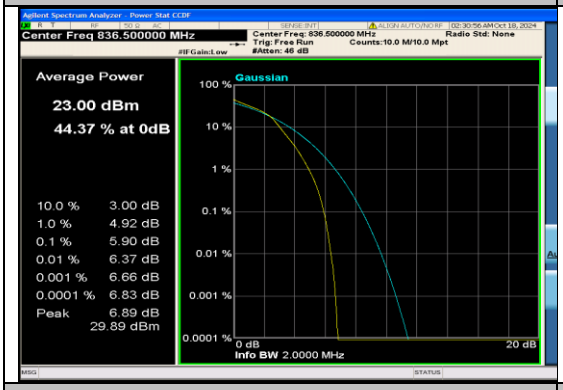


Band5-1.4MHz-16QAM-20407-6RB#0-PASS



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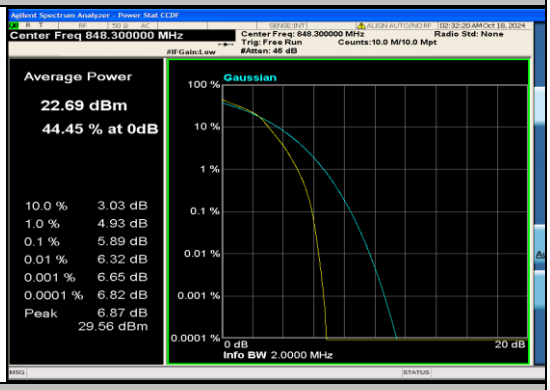

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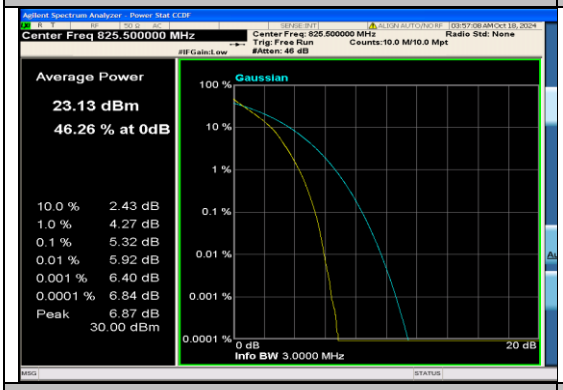
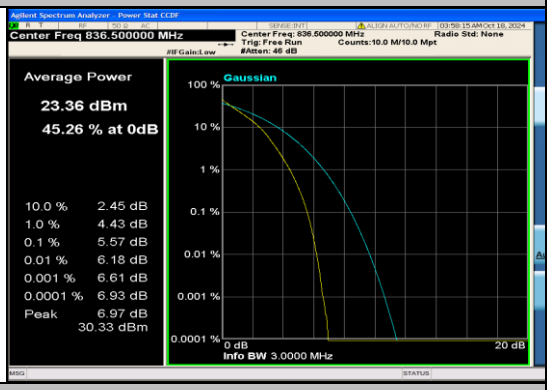


Band5-3MHz-QPSK-20415-15RB#0-PASS



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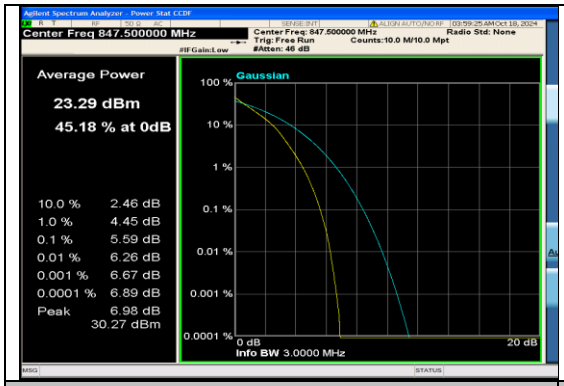

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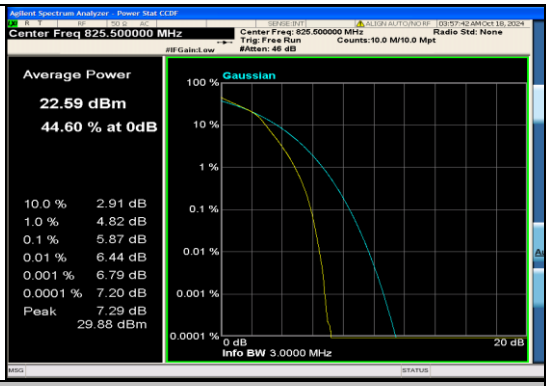

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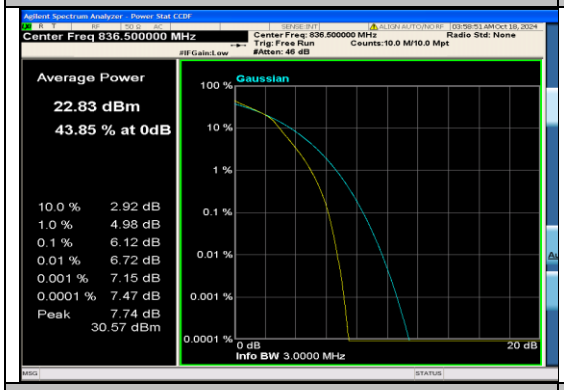

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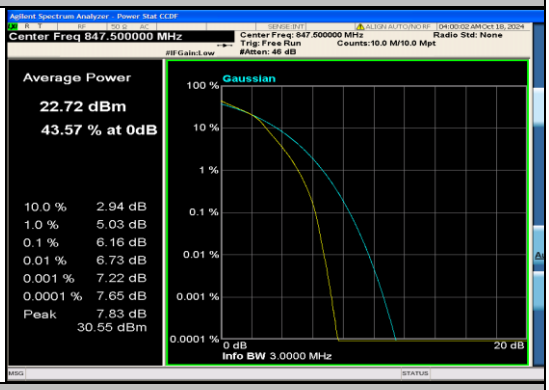

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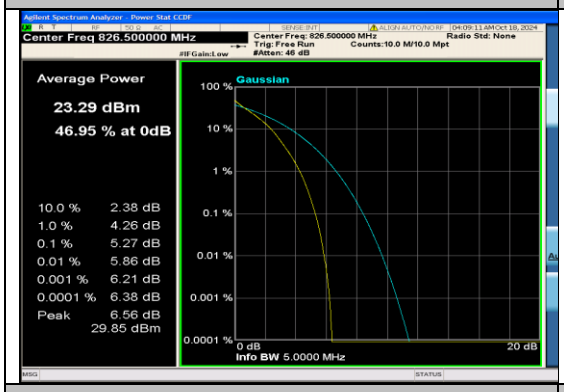
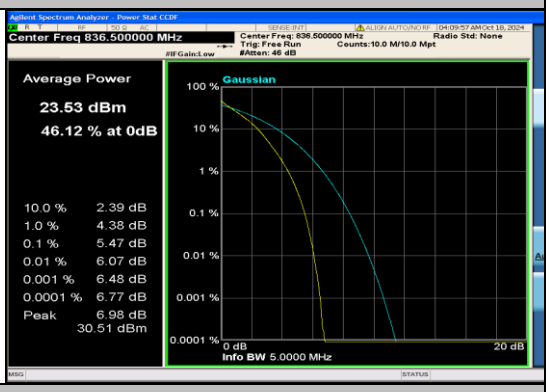


Band5-5MHz-QPSK-20425-25RB#0-PASS



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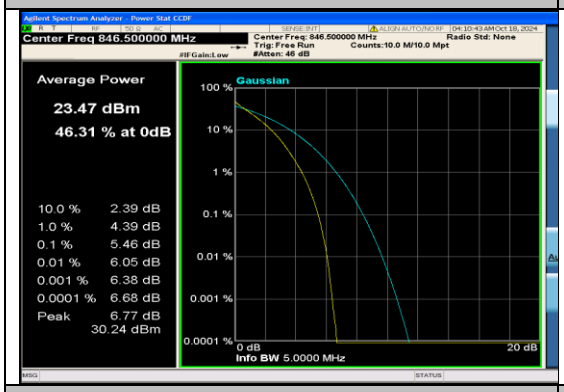

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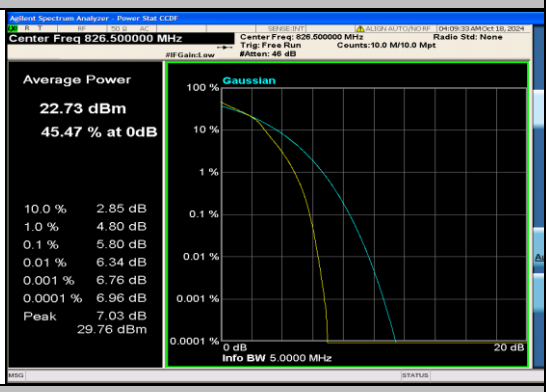

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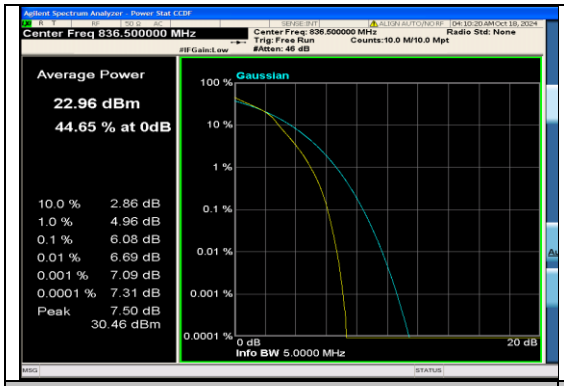

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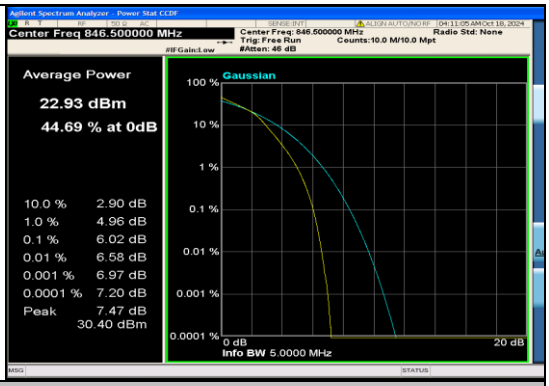

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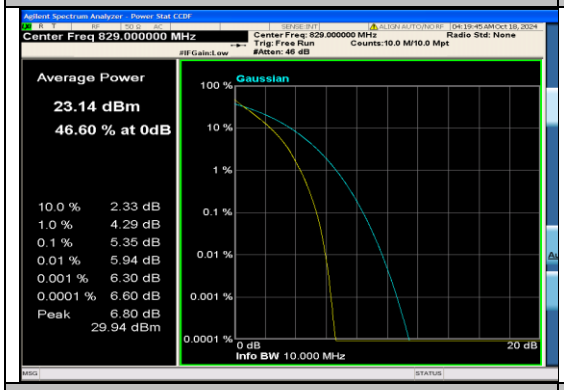
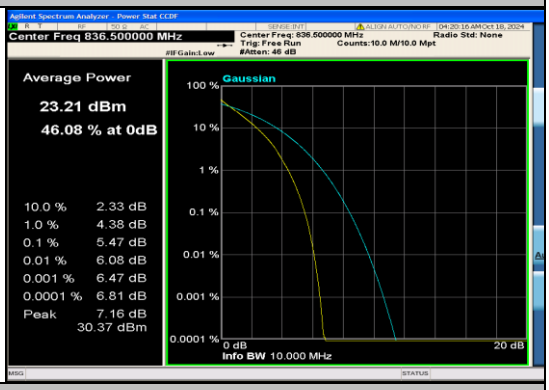
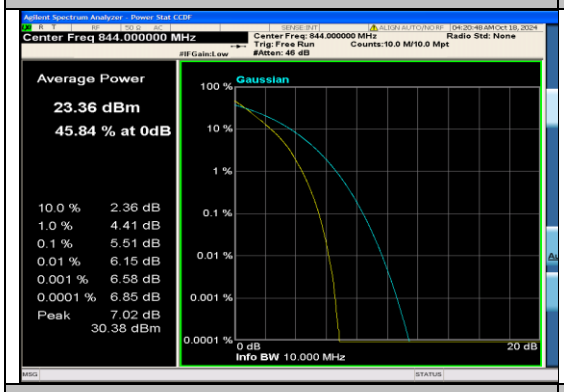


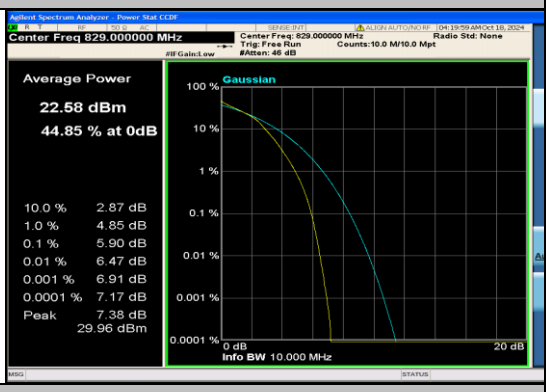
Band5-10MHz-QPSK-20450-50RB#0-PASS



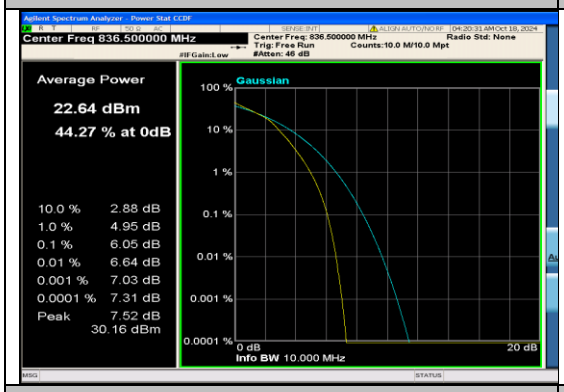
Band5-10MHz-QPSK-20525-50RB#0-PASS



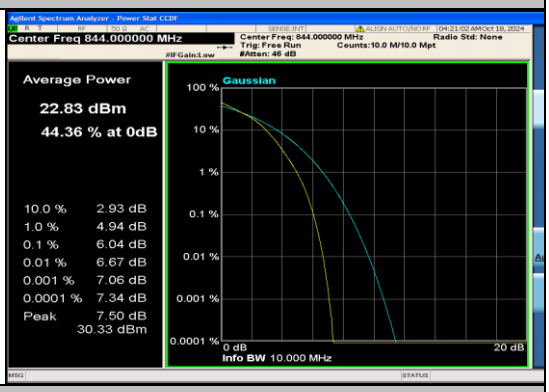
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



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



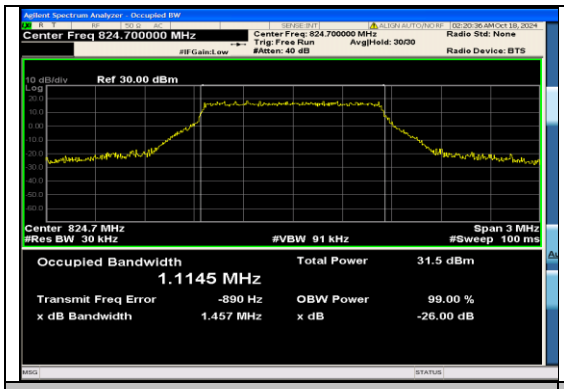
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

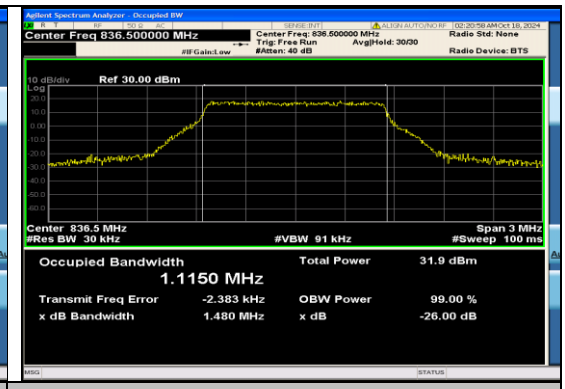
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.1145	1.457	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1150	1.480	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1135	1.464	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1234	1.499	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1148	1.420	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1168	1.461	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7139	3.034	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7094	2.997	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7081	3.018	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7087	3.027	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7097	3.024	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6976	2.988	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5422	5.138	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5358	5.137	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5362	5.115	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5314	5.187	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5315	5.154	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5284	5.161	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0518	10.32	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0216	10.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.0305	10.41	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0494	10.43	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0238	10.36	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0359	10.36	PASS

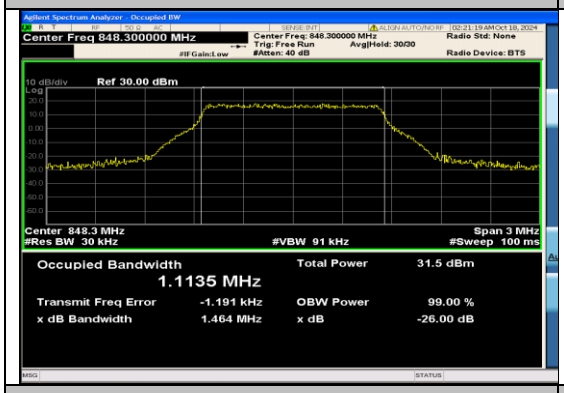
Test Graphs



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



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



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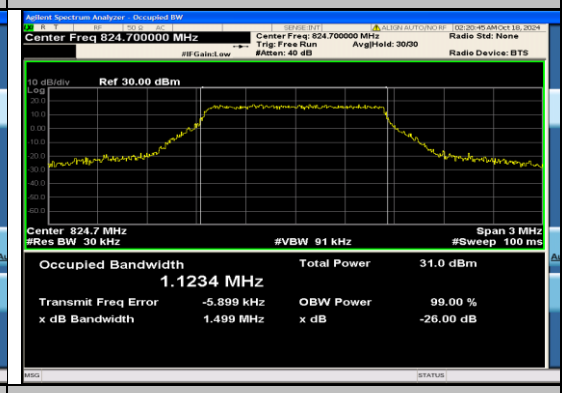
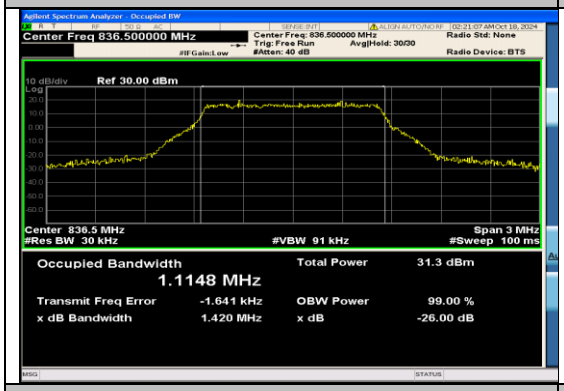
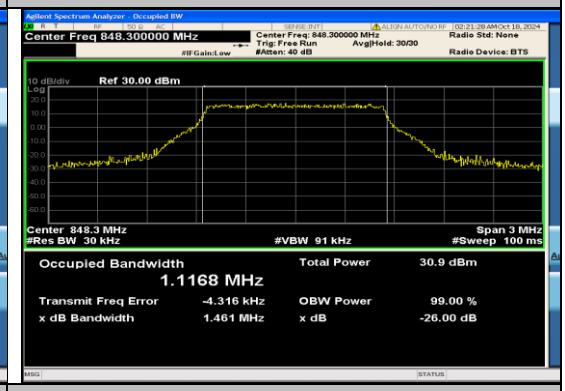


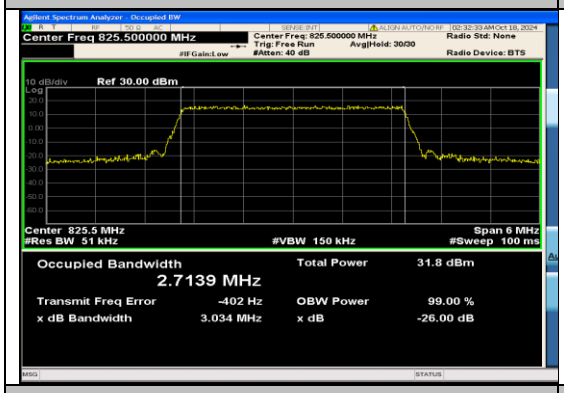
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



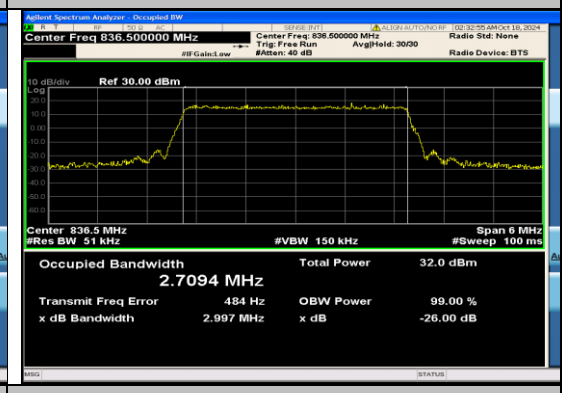
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



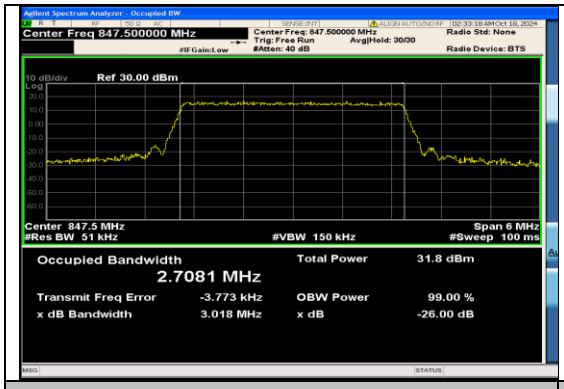
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



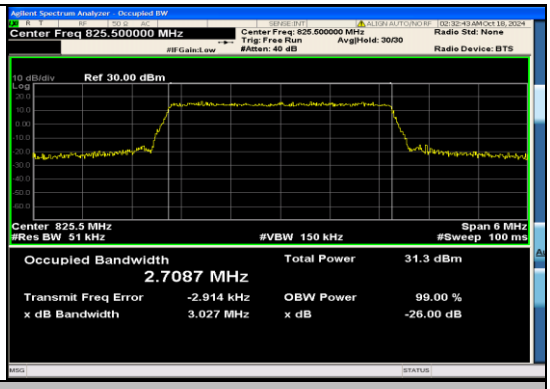
Band5-3MHz-QPSK-20415-15RB#0-PASS



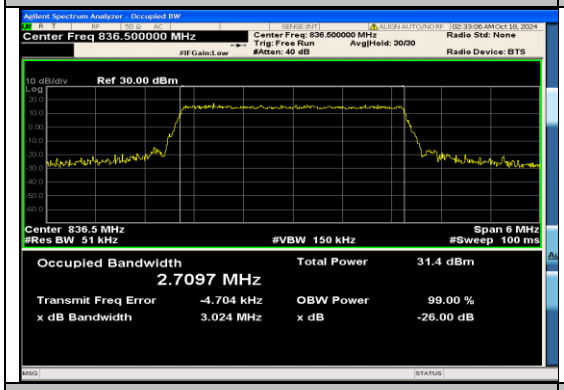
Band5-3MHz-QPSK-20525-15RB#0-PASS



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



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



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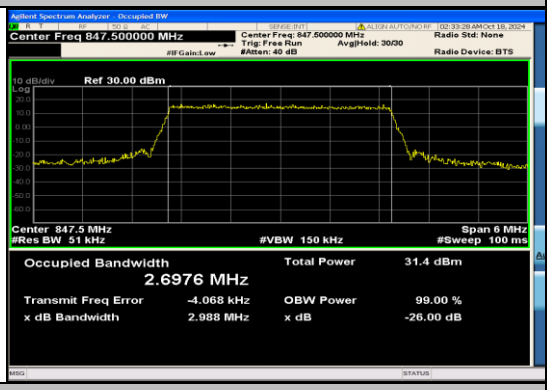
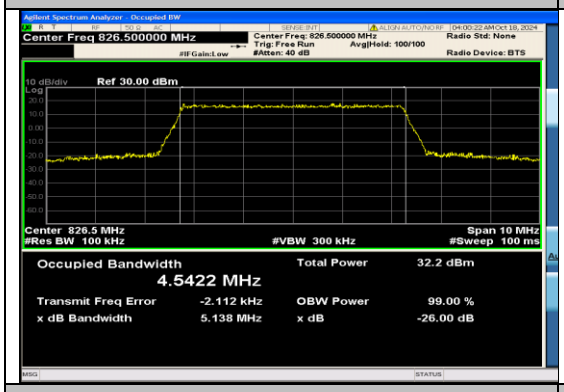
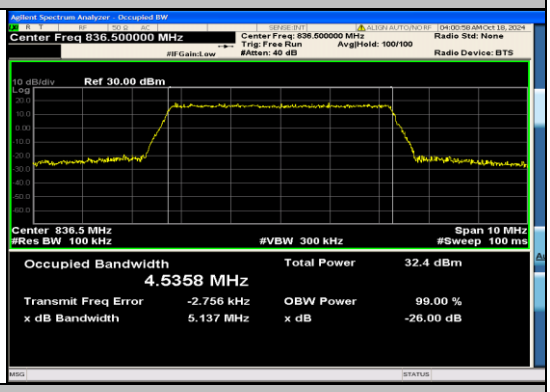


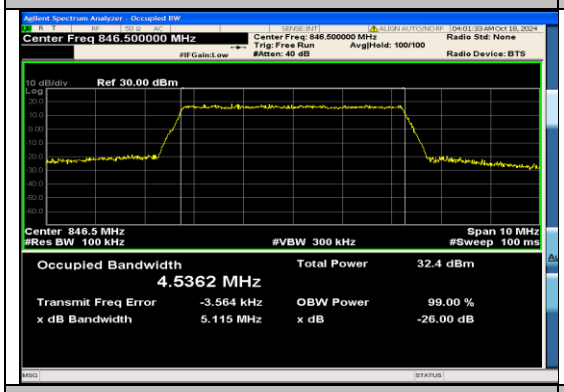
Band5-3MHz-16QAM-20635-15RB#0-PASS



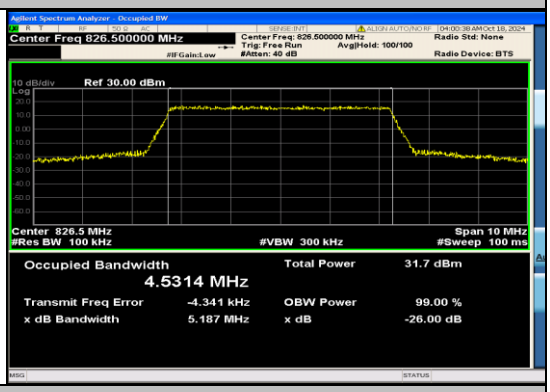
Band5-5MHz-QPSK-20425-25RB#0-PASS



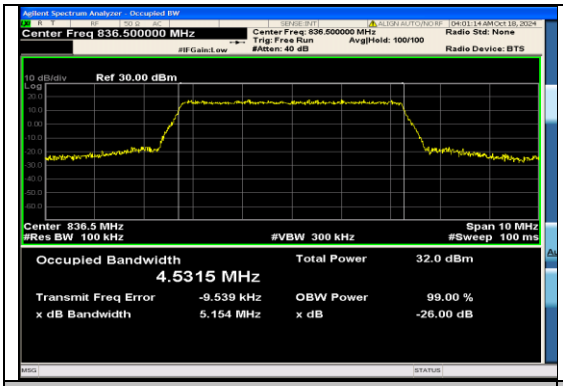
Band5-5MHz-QPSK-20525-25RB#0-PASS



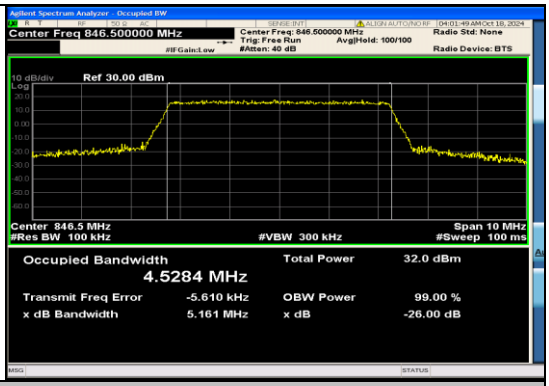
Band5-5MHz-QPSK-20625-25RB#0-PASS



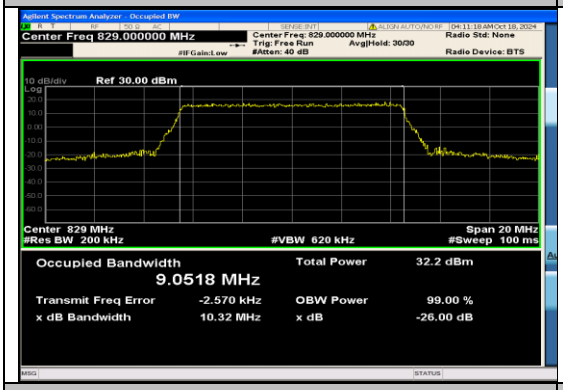
Band5-5MHz-16QAM-20425-25RB#0-PASS



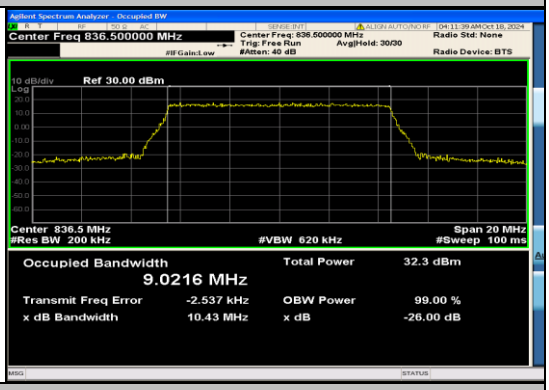
Band5-5MHz-16QAM-20525-25RB#0-PASS



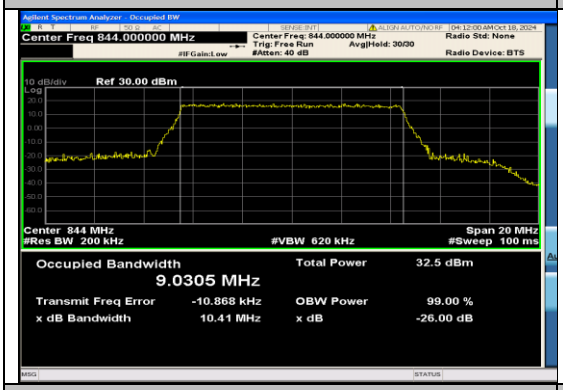
Band5-5MHz-16QAM-20625-25RB#0-PASS



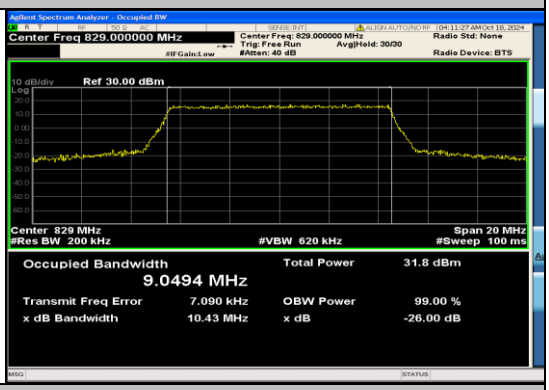
Band5-10MHz-QPSK-20450-50RB#0-PASS



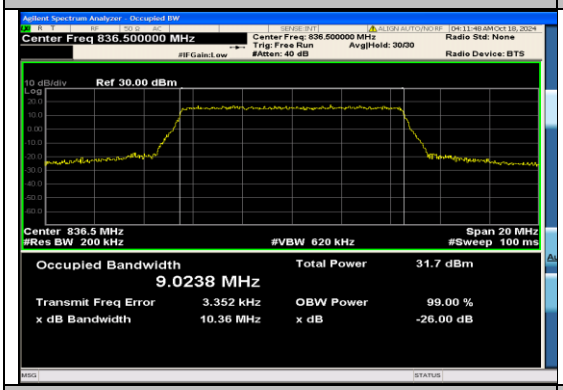
Band5-10MHz-QPSK-20525-50RB#0-PASS



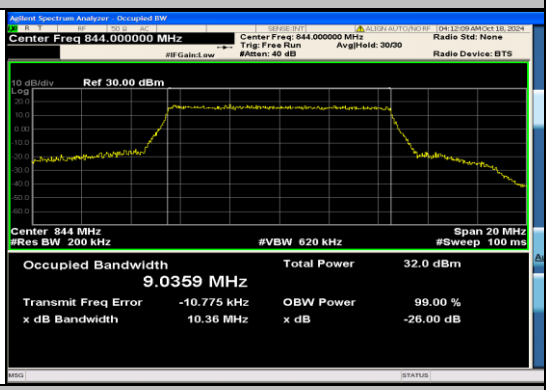
Band5-10MHz-QPSK-20600-50RB#0-PASS



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



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



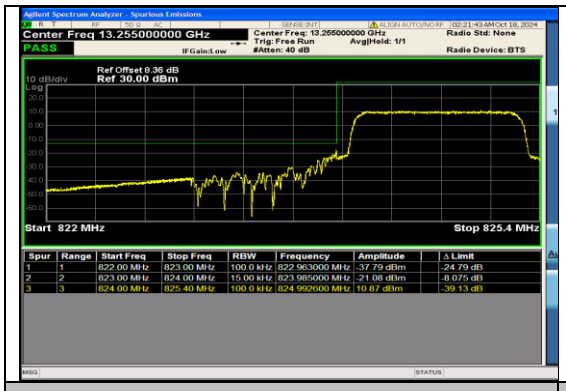
Band5-10MHz-16QAM-20600-50RB#0-PASS

Appendix D: Band Edge

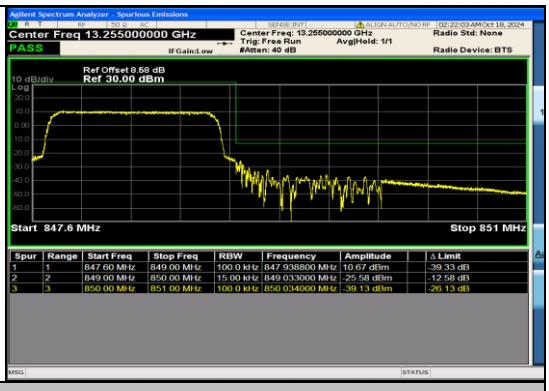
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-21.08	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-25.58	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-17.50	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-25.57	PASS
Band5	3MHz	QPSK	20415	15RB#0	-29.50	PASS
Band5	3MHz	QPSK	20635	15RB#0	-29.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	-28.17	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.72	PASS
Band5	5MHz	QPSK	20425	25RB#0	-30.60	PASS
Band5	5MHz	QPSK	20625	25RB#0	-32.50	PASS
Band5	5MHz	16QAM	20425	25RB#0	-30.77	PASS
Band5	5MHz	16QAM	20625	25RB#0	-32.42	PASS
Band5	10MHz	QPSK	20450	50RB#0	-34.39	PASS
Band5	10MHz	QPSK	20600	50RB#0	-34.80	PASS
Band5	10MHz	16QAM	20450	50RB#0	-34.00	PASS
Band5	10MHz	16QAM	20600	50RB#0	-33.99	PASS

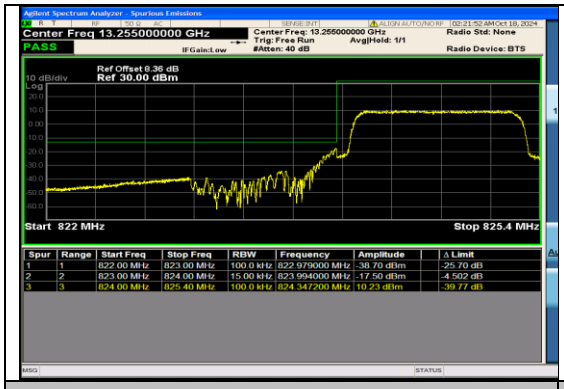
Test Graphs



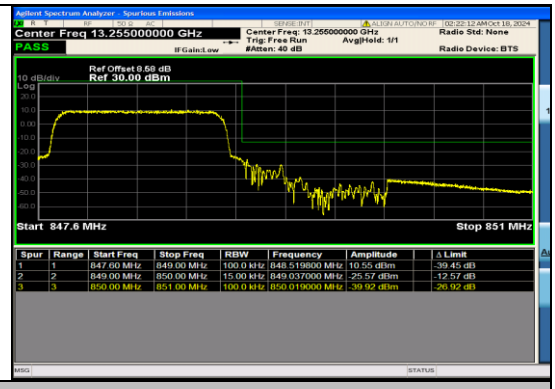
Band5_1.4MHz_QPSK_20407_6RB#0



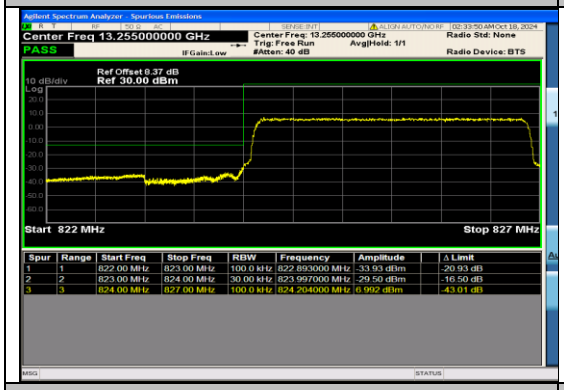
Band5_1.4MHz_QPSK_20643_6RB#0



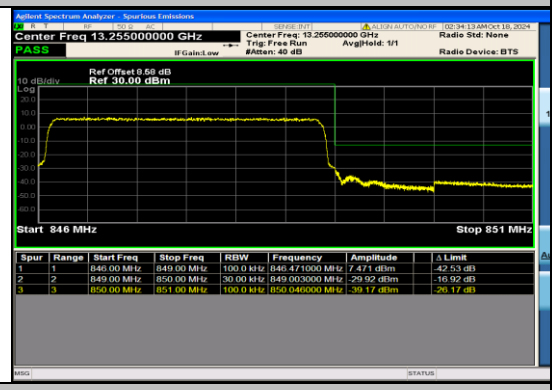
Band5_1.4MHz_16QAM_20407_6RB#0



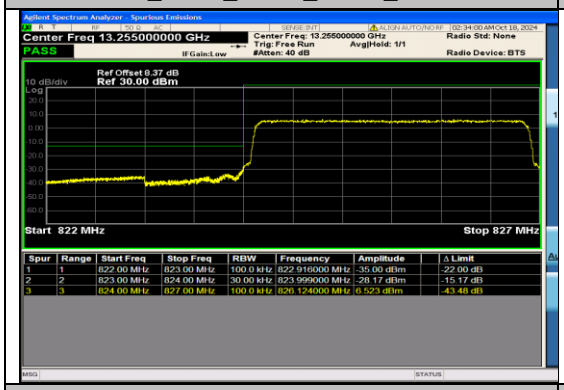
Band5_1.4MHz_16QAM_20643_6RB#0



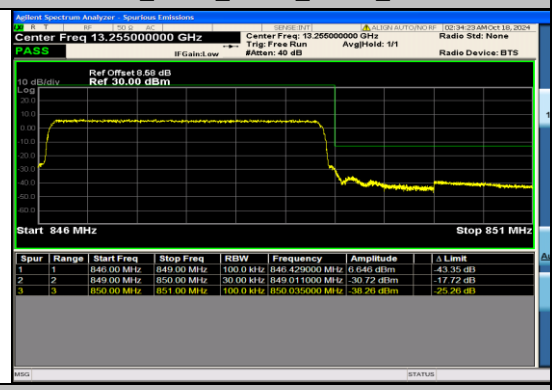
Band5_3MHz_QPSK_20415_15RB#0



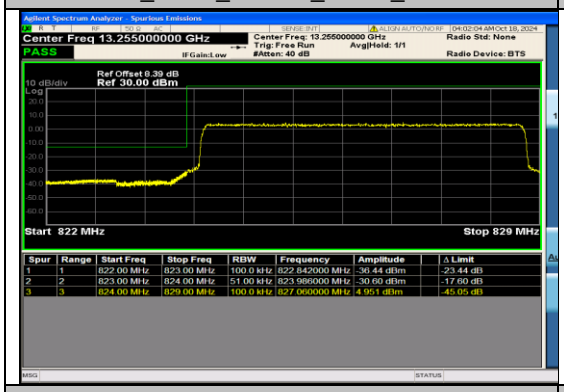
Band5_3MHz_QPSK_20635_15RB#0



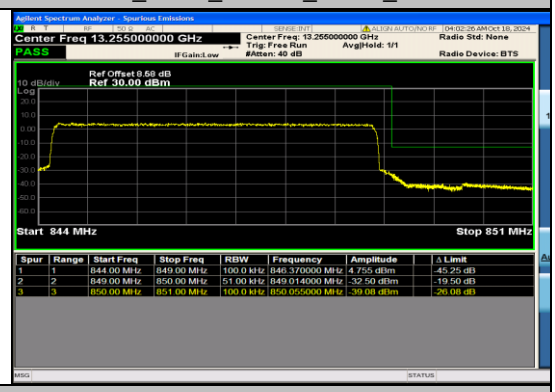
Band5_3MHz_16QAM_20415_15RB#0



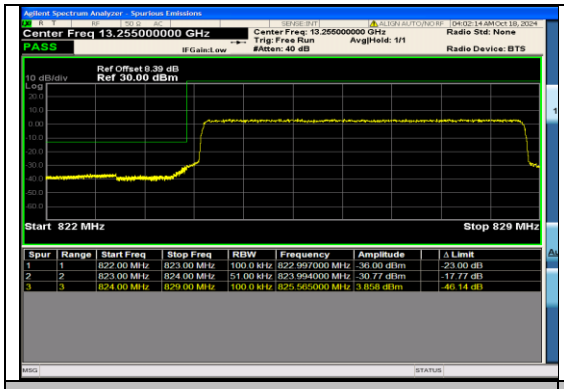
Band5_3MHz_16QAM_20635_15RB#0



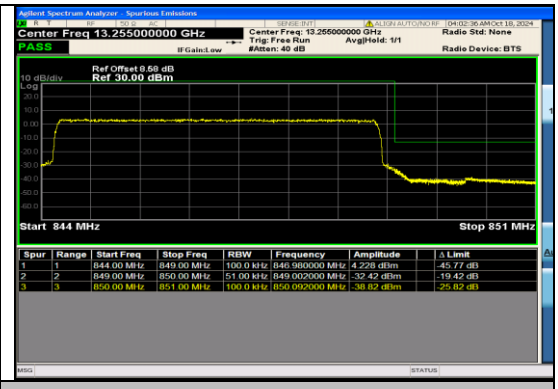
Band5_5MHz_QPSK_20425_25RB#0



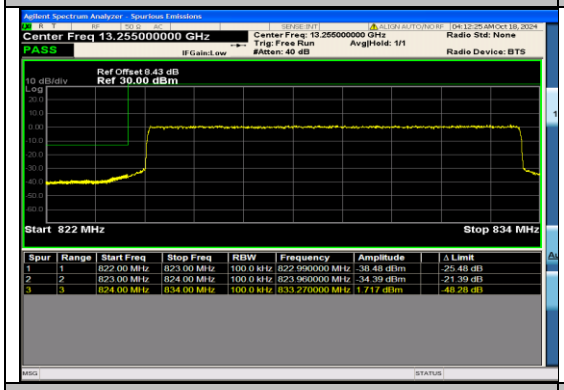
Band5_5MHz_QPSK_20625_25RB#0



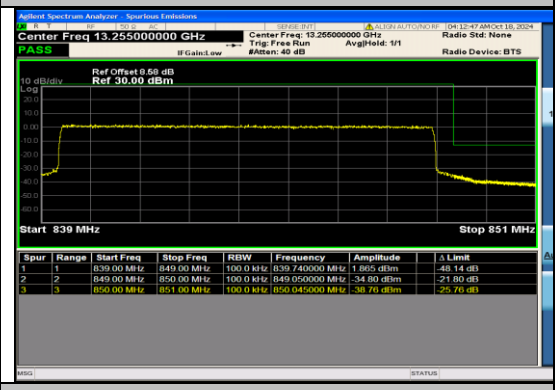
Band5_5MHz_16QAM_20425_25RB#0



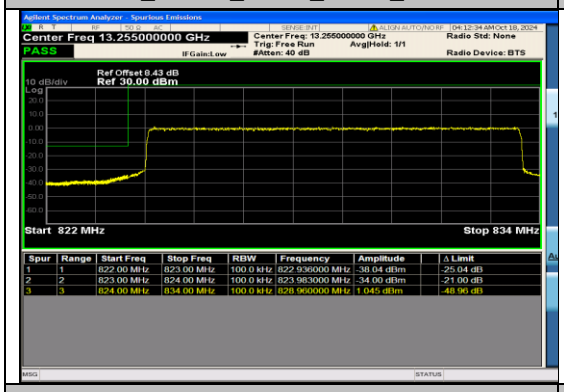
Band5_5MHz_16QAM_20625_25RB#0



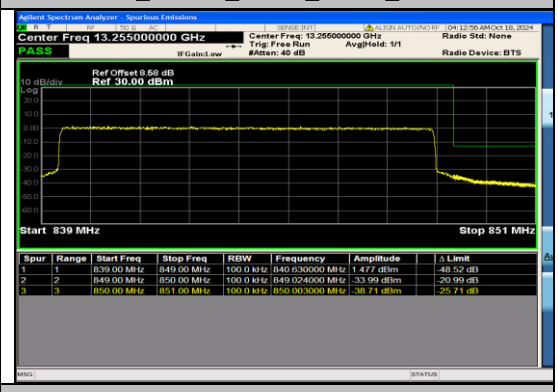
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

Appendix E: Conducted Spurious Emission

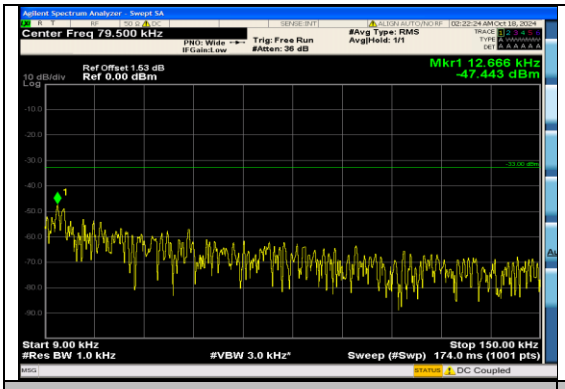
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-47.44	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-53.78	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-50.84	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-42.40	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-35.69	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-49.72	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-53.71	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-53.51	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-45.67	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-32.44	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-47.24	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-51.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-48.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-44.44	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-32.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-46.79	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-54.32	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-53.24	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-42.74	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-35.39	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-47.12	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-52.95	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-55.50	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-45.68	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-34.33	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-49.04	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-53.46	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-51.86	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-44.62	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-31.84	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-49.12	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-54.39	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-52.02	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-45.90	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-37.69	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-48.25	PASS

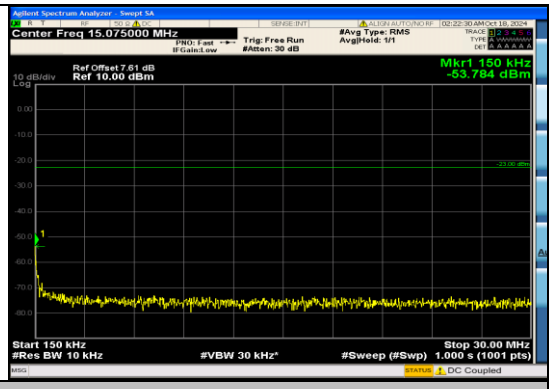
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-55.39	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-51.88	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-46.66	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-36.10	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-47.39	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-53.94	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-50.61	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-46.52	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-35.17	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-48.05	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-53.97	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-52.33	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-45.82	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-37.79	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-45.68	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-52.98	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-52.47	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-46.61	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-37.36	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-46.93	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-52.94	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-51.43	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-46.74	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-36.04	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-48.80	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-54.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-53.15	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-46.65	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-37.59	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-46.70	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-53.82	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-53.21	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-46.01	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-36.66	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-44.70	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-54.23	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-52.51	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.65	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-35.39	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-48.92	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-53.63	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-53.72	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-46.78	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-38.81	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-47.51	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-55.54	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-53.24	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-46.71	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-39.05	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-47.20	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-54.02	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-54.20	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-46.69	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-38.05	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-47.40	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-52.93	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-61.95	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-46.52	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-37.82	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-50.55	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-55.15	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-56.55	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-46.50	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-37.99	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-50.57	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-54.12	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-55.31	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-46.74	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-37.15	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-49.26	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-51.91	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-61.78	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-46.73	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-41.19	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-47.05	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-53.70	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-57.67	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-46.76	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-41.16	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-47.85	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-54.97	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-55.79	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-46.49	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-40.47	PASS

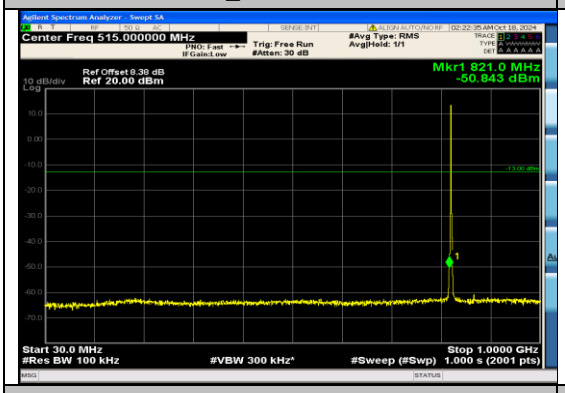
Test Graphs



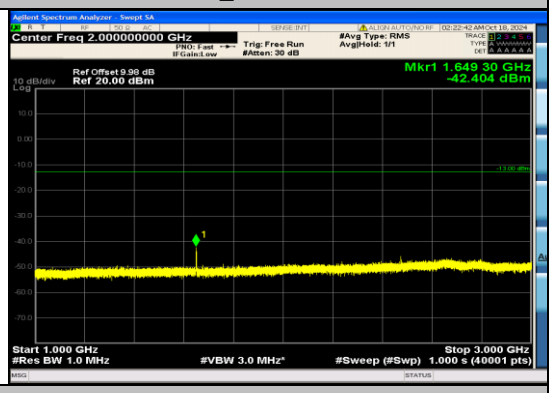
Band5_1.4MHz_QPSK_20407_6RB#0_0.009~0.15_0.009~0.15



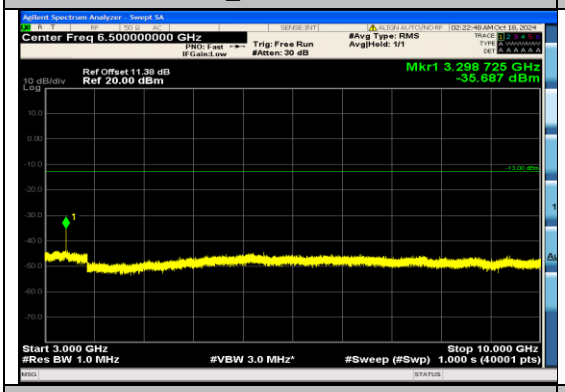
Band5_1.4MHz_QPSK_20407_6RB#0_0.15~30_0.15~30



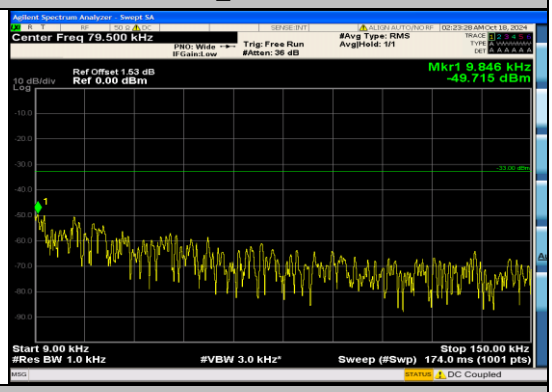
Band5_1.4MHz_QPSK_20407_6RB#0_30~1000_30~1000



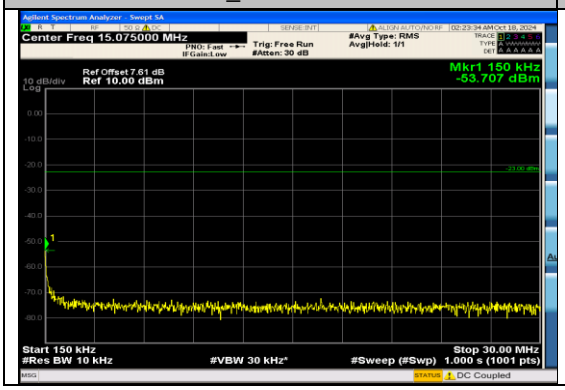
Band5_1.4MHz_QPSK_20407_6RB#0_1000~3000_1000~3000

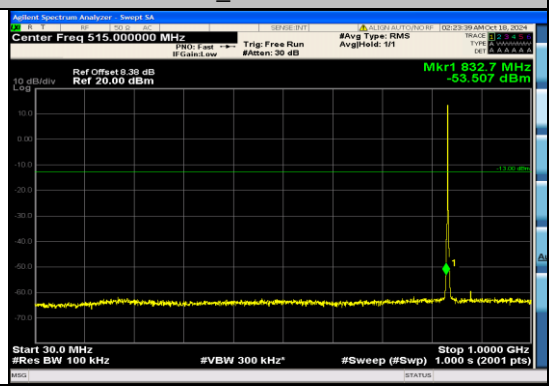


Band5_1.4MHz_QPSK_20407_6RB#0_3000~10000_3000~10000

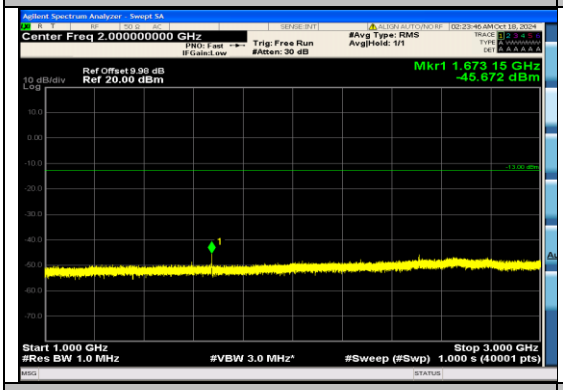


Band5_1.4MHz_QPSK_20525_6RB#0_0.009~0.15_0.009~0.15

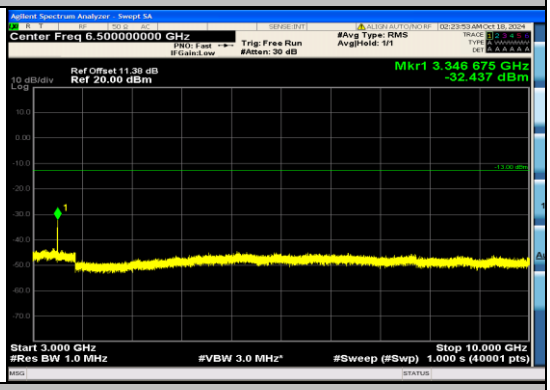




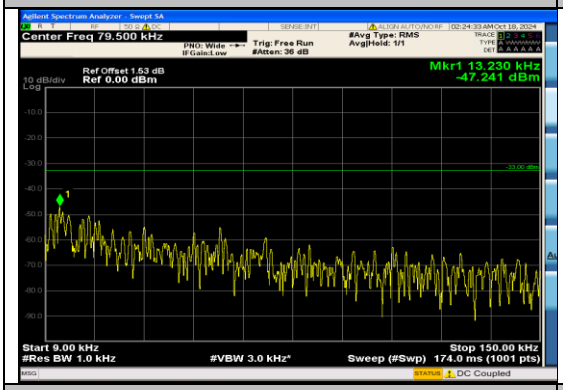
Band5_1.4MHz_QPSK_20525_6RB#0_0.15~30_0.15~30



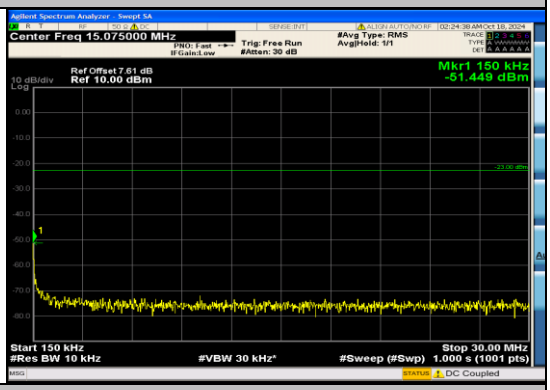
Band5_1.4MHz_QPSK_20525_6RB#0_30~1000_30~1000



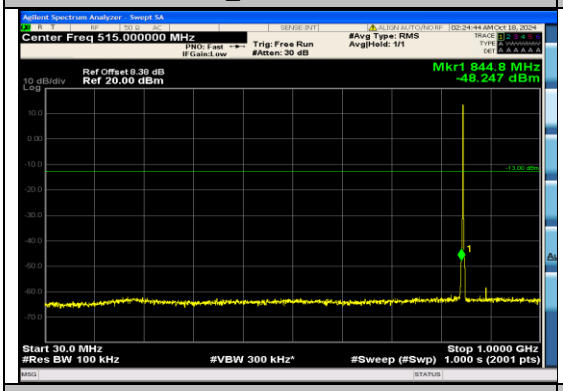
Band5_1.4MHz_QPSK_20525_6RB#0_1000~3000_1000~3000



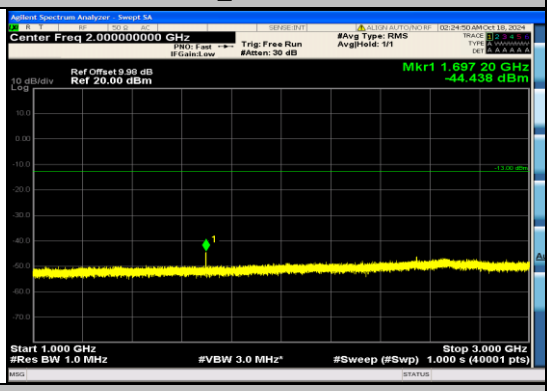
Band5_1.4MHz_QPSK_20525_6RB#0_3000~10000_3000~10000



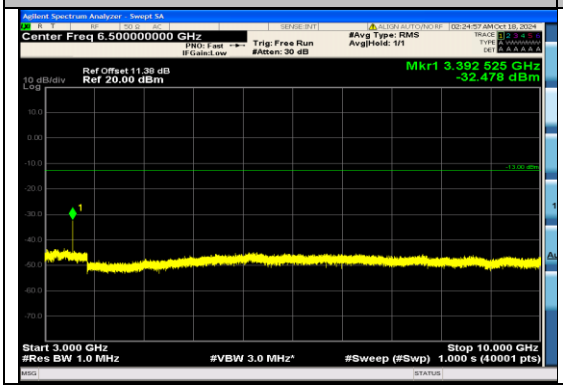
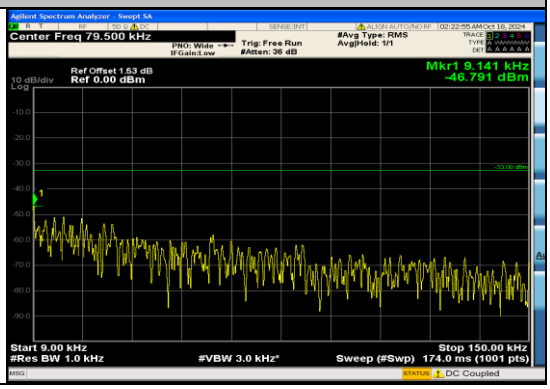
Band5_1.4MHz_QPSK_20643_6RB#0_0.009~0.15_0.009~0.15



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



Band5_1.4MHz_QPSK_20643_6RB#0_30~1000_30~1000



Band5_1.4MHz_QPSK_20643_6RB#0_1000~3000_1000~3000