FCC LTE Band Test Data

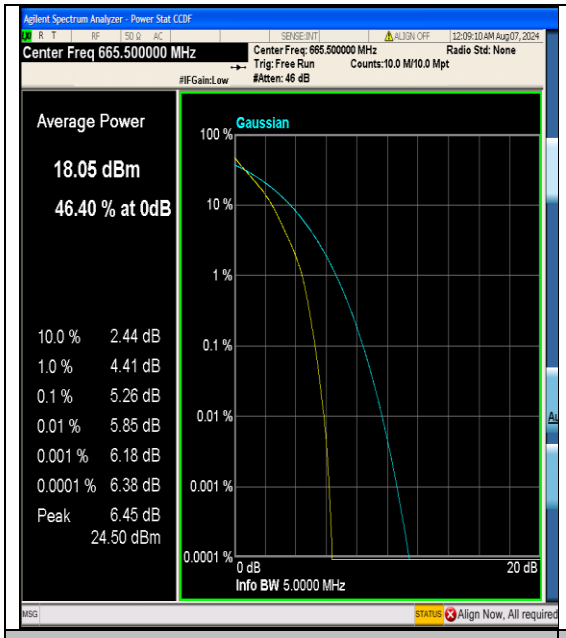
FCC ID	**:**	**2BF4O-CC4PRO**
Company:	**:**	**Shenzhen TEYES High tech Co., Ltd.**
EUT	**:**	**Car Headunit**
Model Number	**:**	**CC4PRO**
Reviewed By	**:**	**Eric Wang**

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

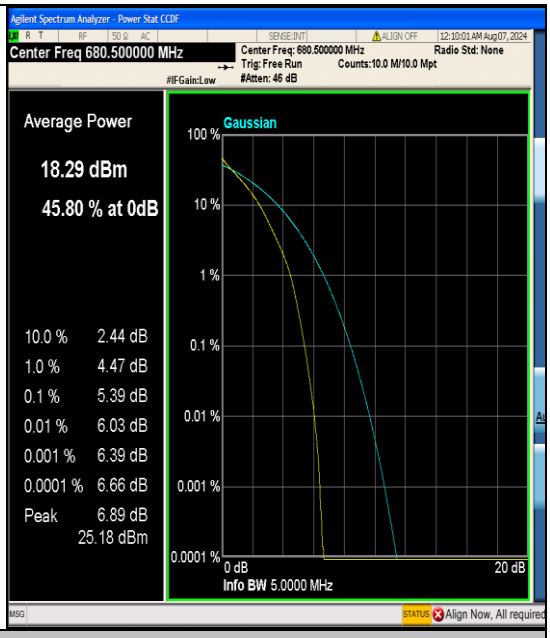
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	5.26	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.39	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.28	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.11	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.23	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.09	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.26	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.33	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.16	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.12	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.17	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.01	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.42	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.49	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.43	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.15	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.22	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.16	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.20	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.21	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.15	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.07	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.08	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.03	13	PASS

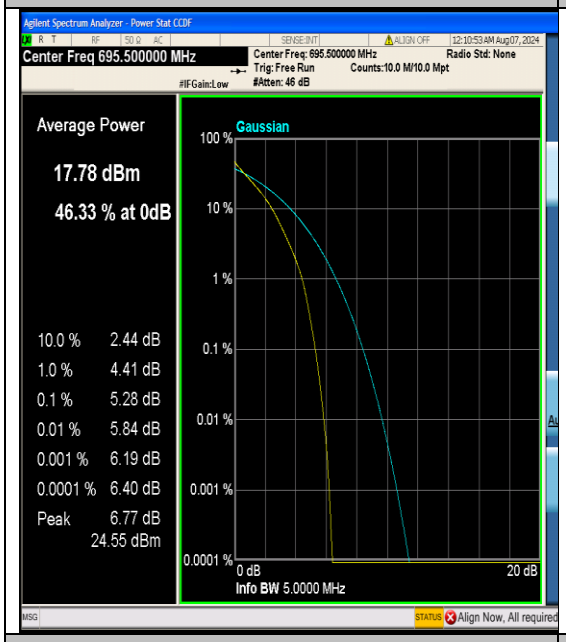
Test Graphs



Band71-5MHz-QPSK-133147-25RB#0-PASS



Band71-5MHz-QPSK-133297-25RB#0-PASS



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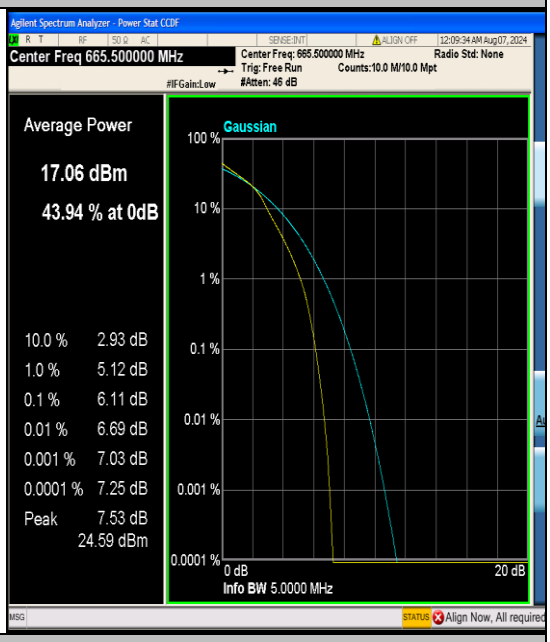
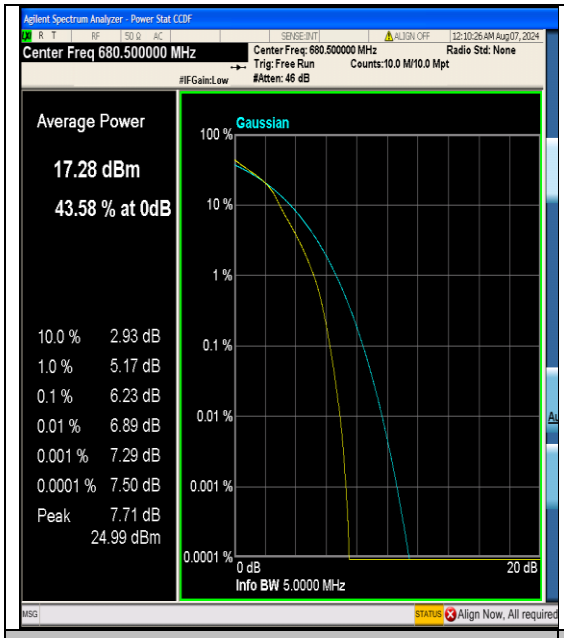


Band71-5MHz-16QAM-133147-25RB#0-PASS



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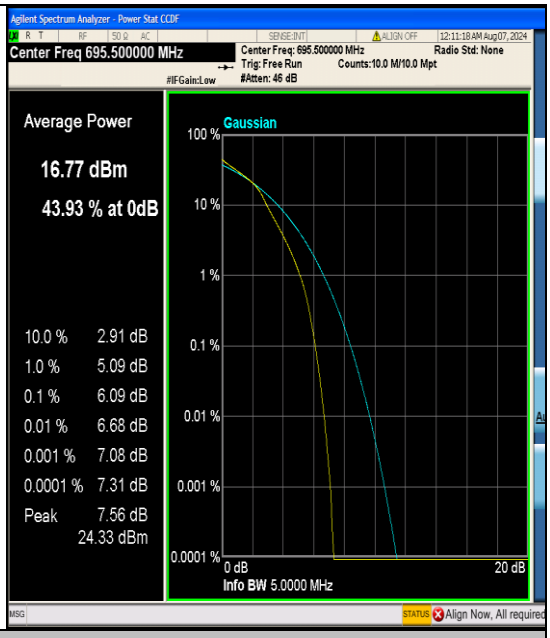
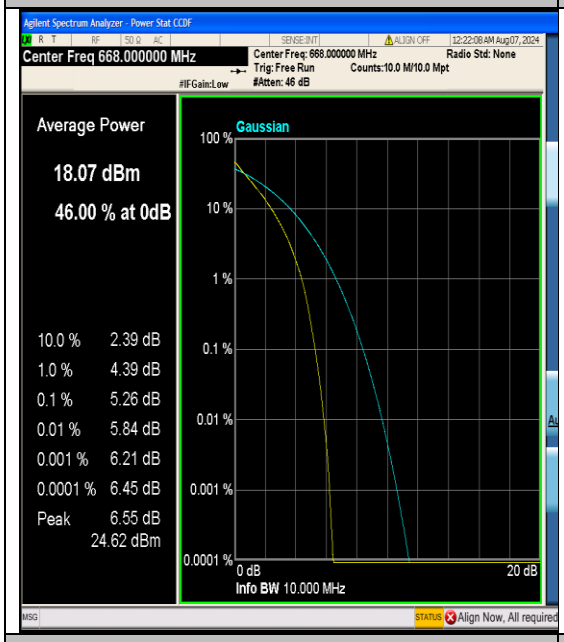
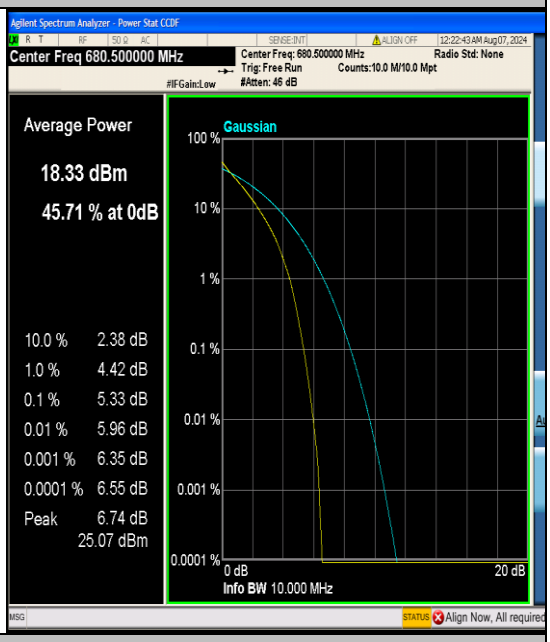


Band71-5MHz-16QAM-133447-25RB#0-PASS

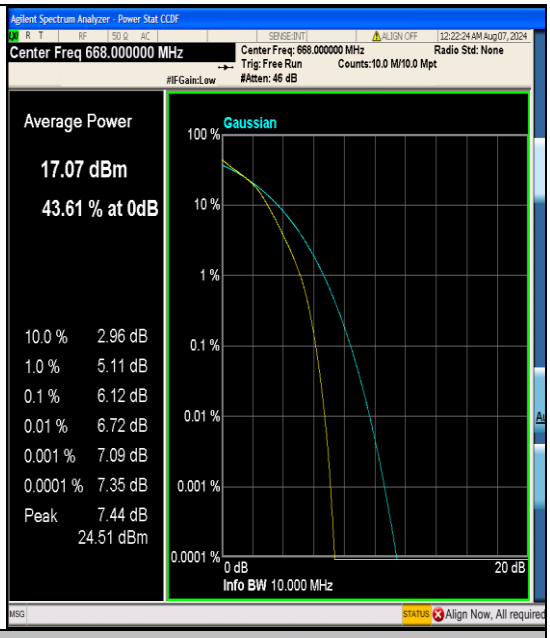


Band71-10MHz-QPSK-133172-50RB#0-PASS



Band71-10MHz-QPSK-133297-50RB#0-PASS

Band71-10MHz-QPSK-133422-50RB#0-PASS



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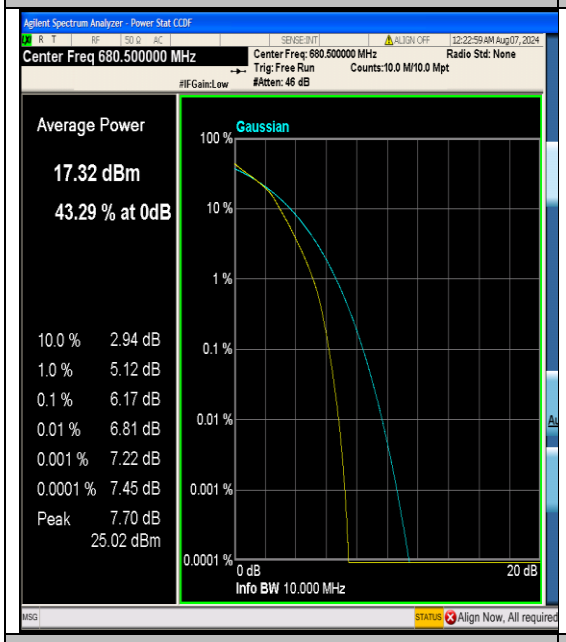

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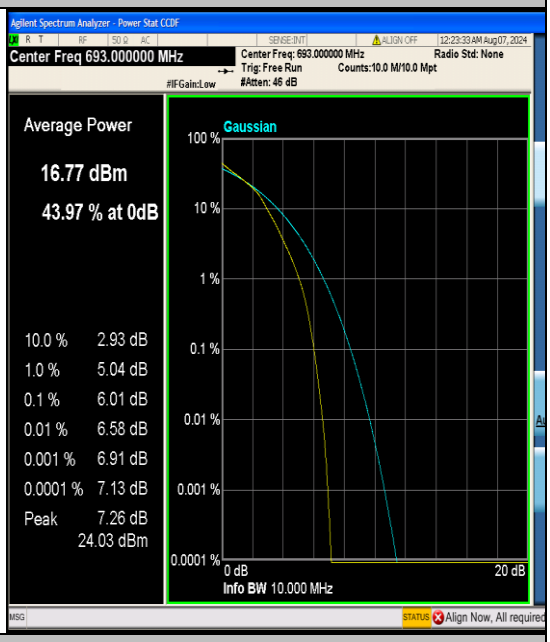
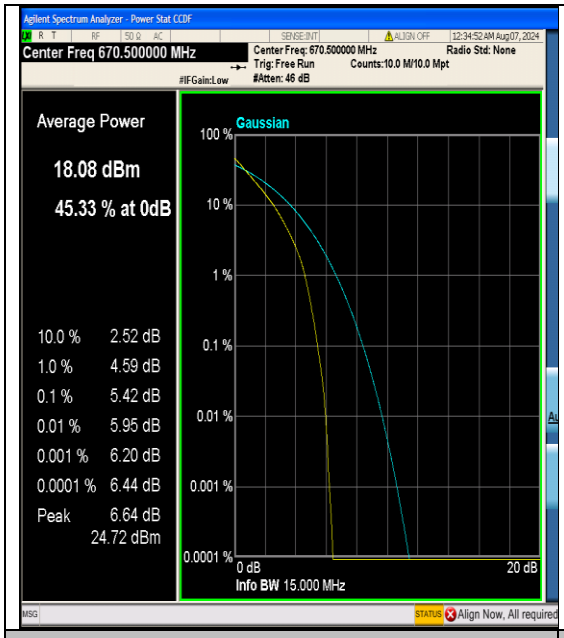
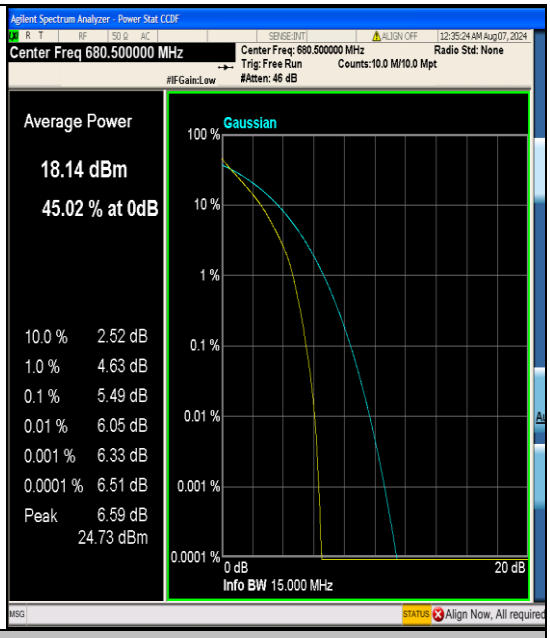


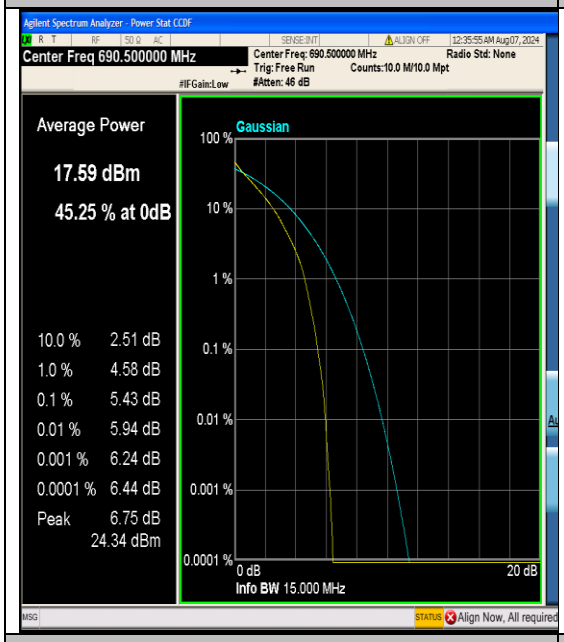
Band71-10MHz-16QAM-133422-50RB#0-PASS



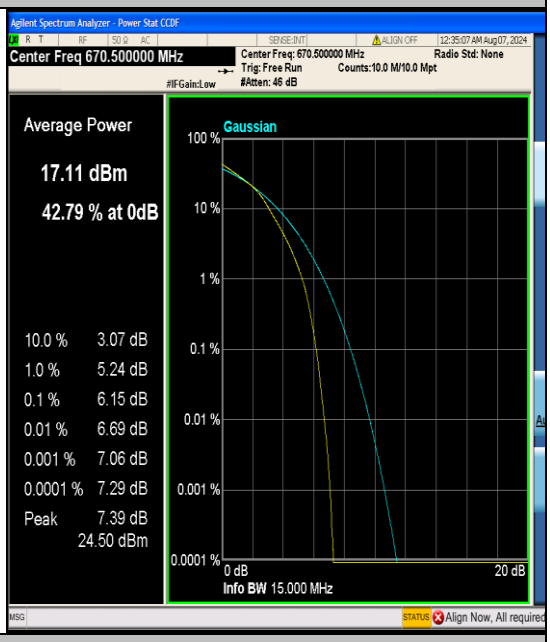
Band71-15MHz-QPSK-133197-75RB#0-PASS



Band71-15MHz-QPSK-133297-75RB#0-PASS

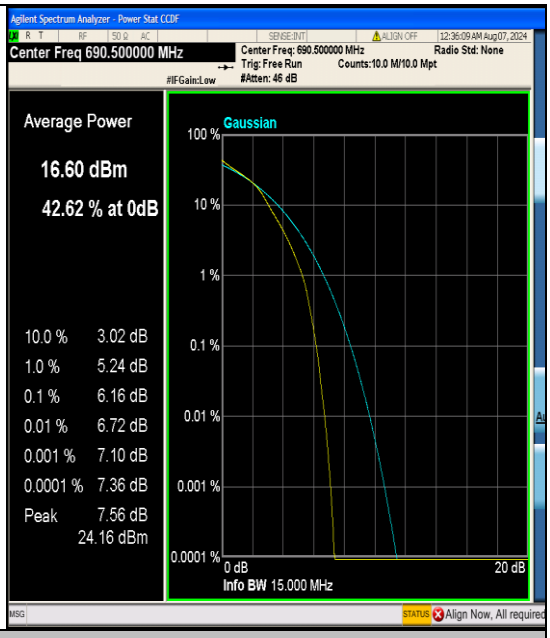


Band71-15MHz-QPSK-133397-75RB#0-PASS

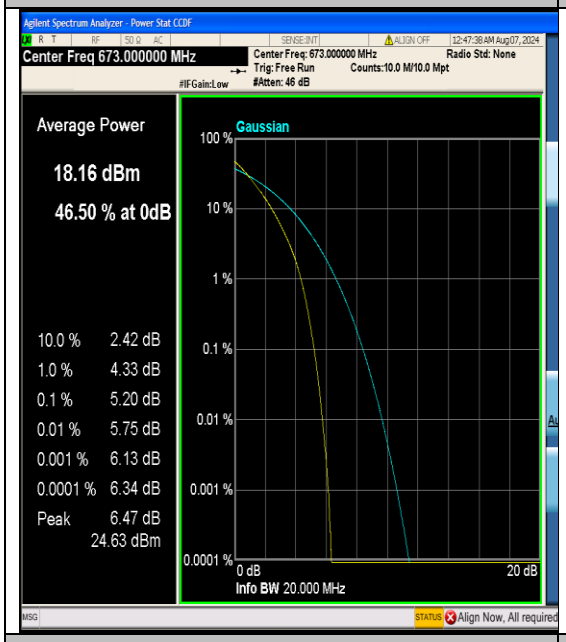


Band71-15MHz-16QAM-133197-75RB#0-PASS

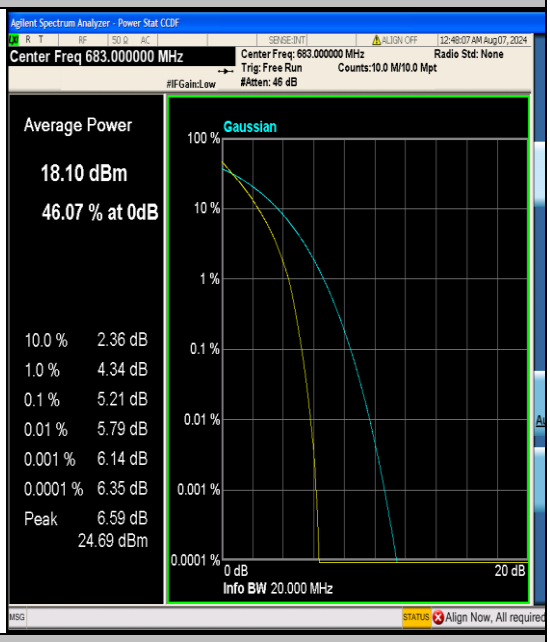
Band71-15MHz-16QAM-133297-75RB#0-PASS



Band71-15MHz-16QAM-133397-75RB#0-PASS

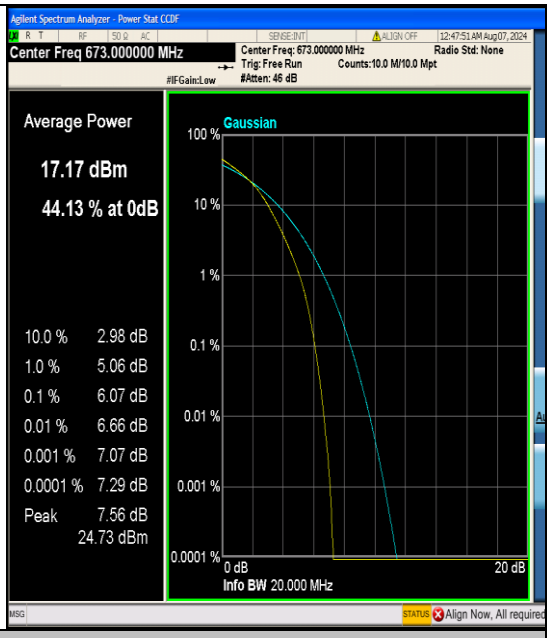


Band71-20MHz-QPSK-133222-100RB#0-PASS

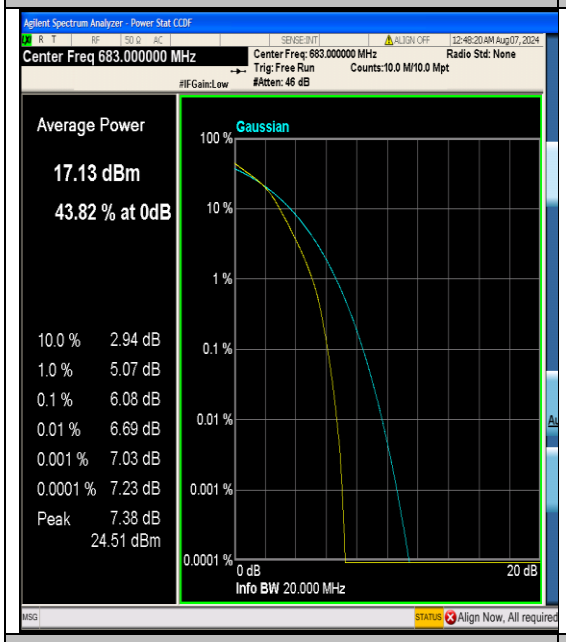


Band71-20MHz-QPSK-133322-100RB#0-PASS

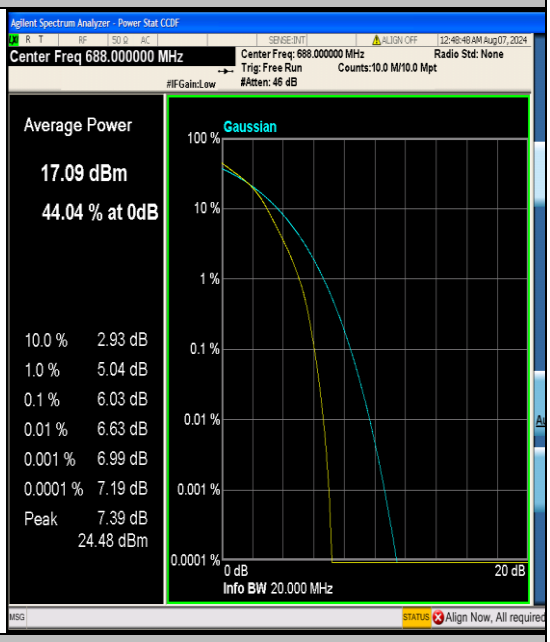
Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133222-100RB#0-PASS



Band71-20MHz-16QAM-133322-100RB#0-PASS



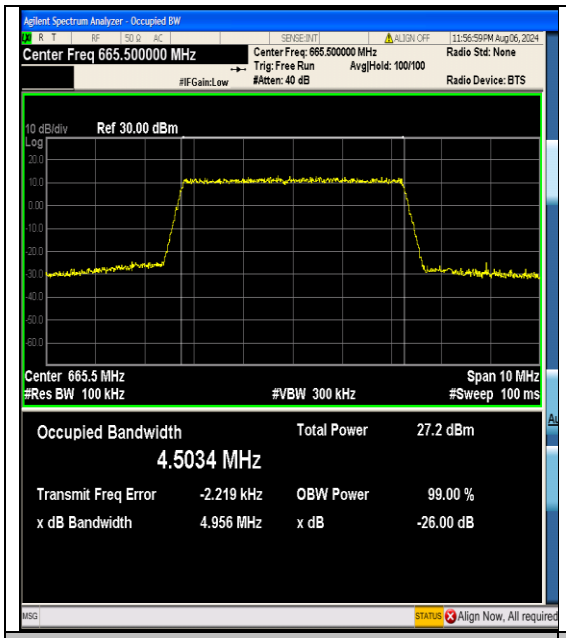
Band71-20MHz-16QAM-133372-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

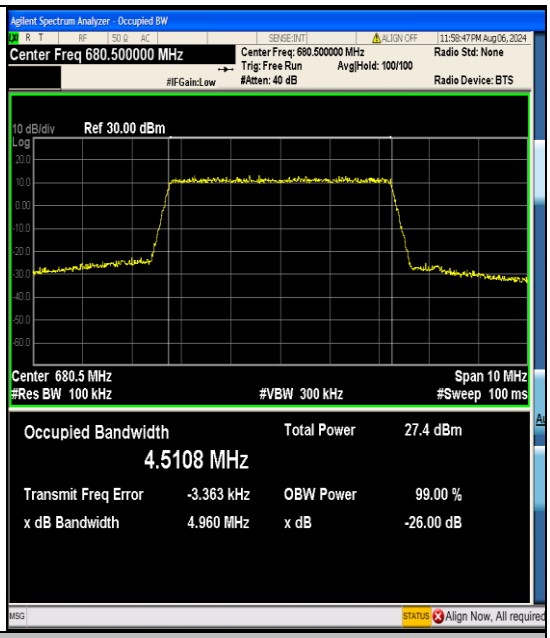
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5034	4.956	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5108	4.960	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5059	4.965	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5091	5.016	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5153	4.970	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5154	4.954	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9659	9.808	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9635	9.796	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9639	9.776	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9722	9.832	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9661	9.805	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9820	9.831	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.431	14.66	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.479	14.71	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.477	14.67	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.438	14.70	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.453	14.67	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.455	14.67	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.886	19.59	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.902	19.55	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.951	19.46	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.915	19.40	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.934	19.60	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.906	19.47	PASS

Test Graphs



Band71-5MHz-QPSK-133147-25RB#0-PASS



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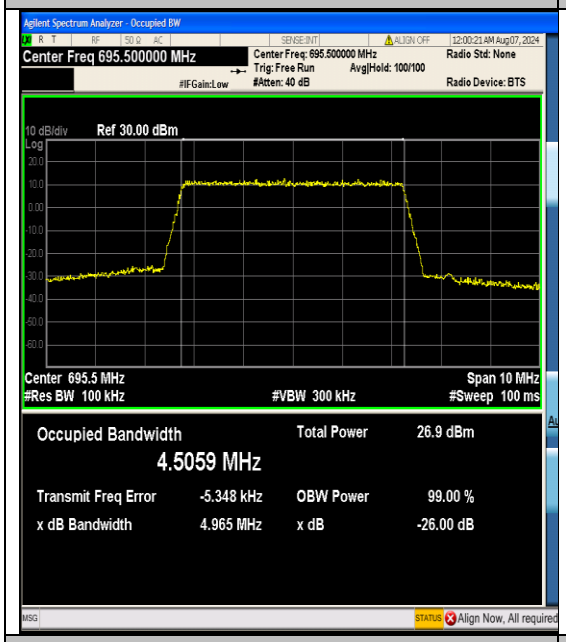

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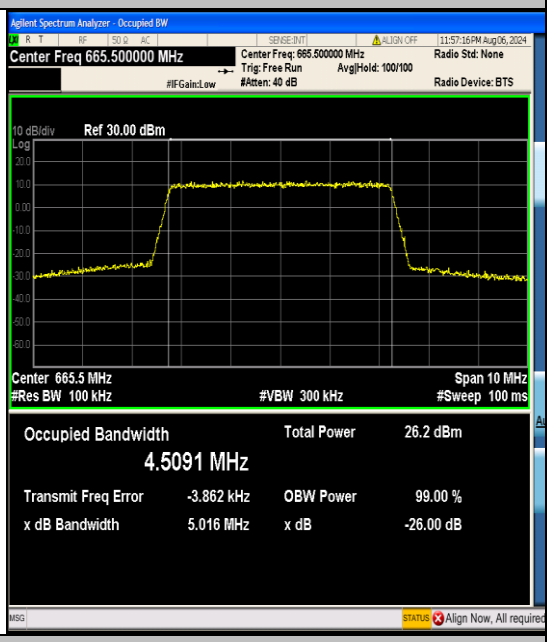
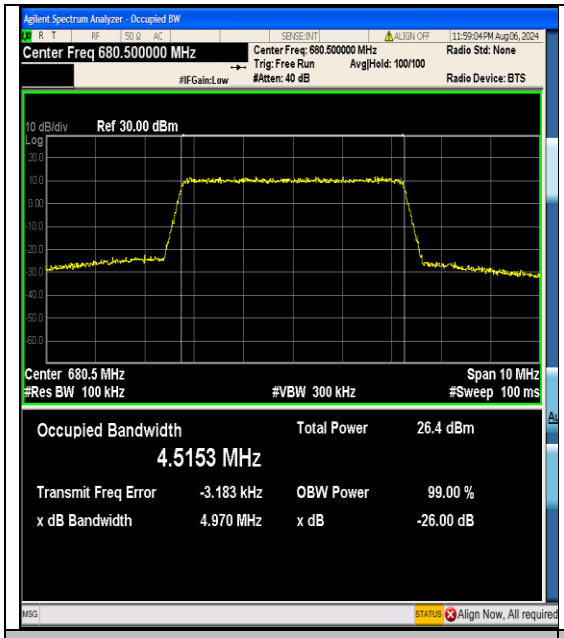


Band71-5MHz-16QAM-133147-25RB#0-PASS



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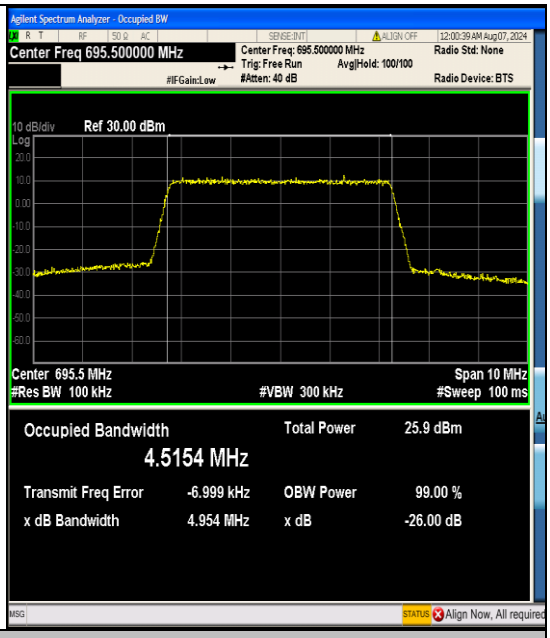

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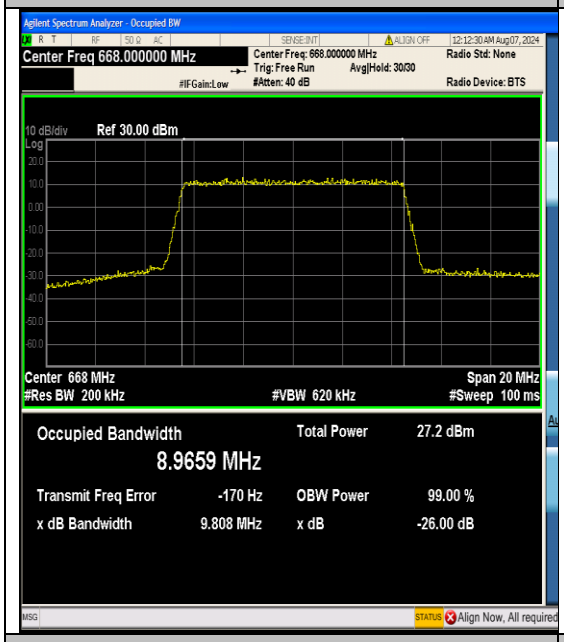
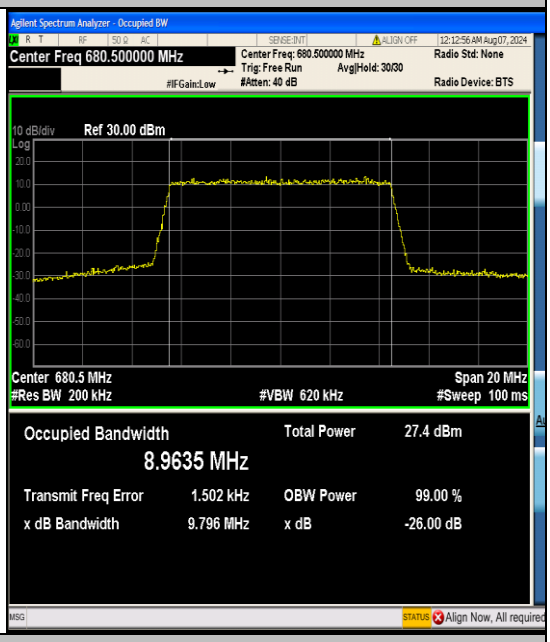
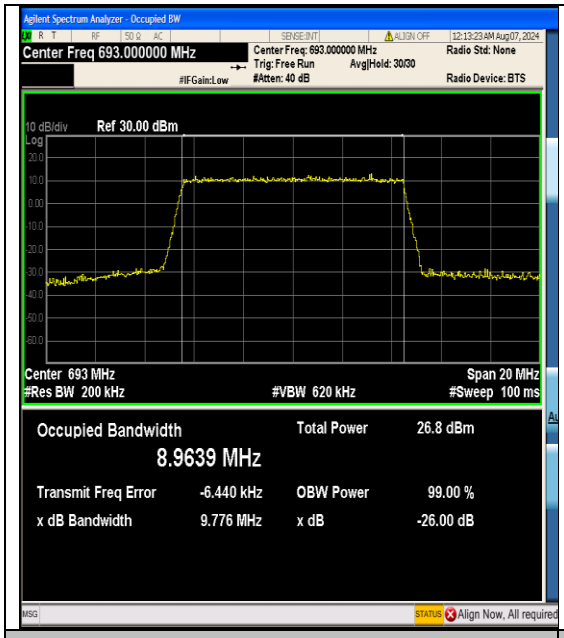


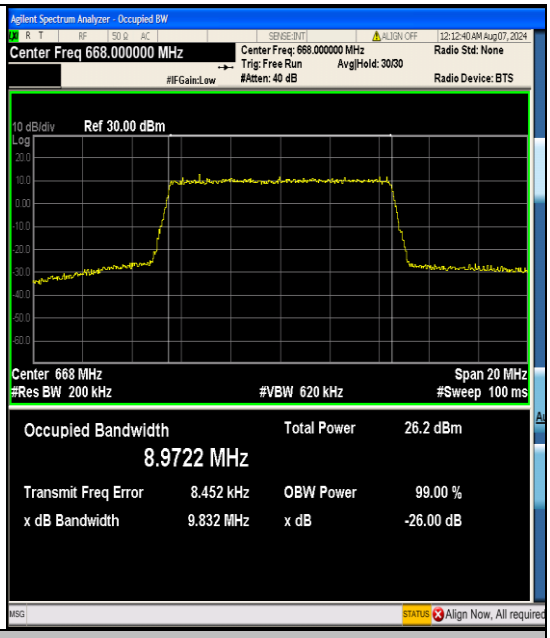
Band71-10MHz-QPSK-133172-50RB#0-PASS



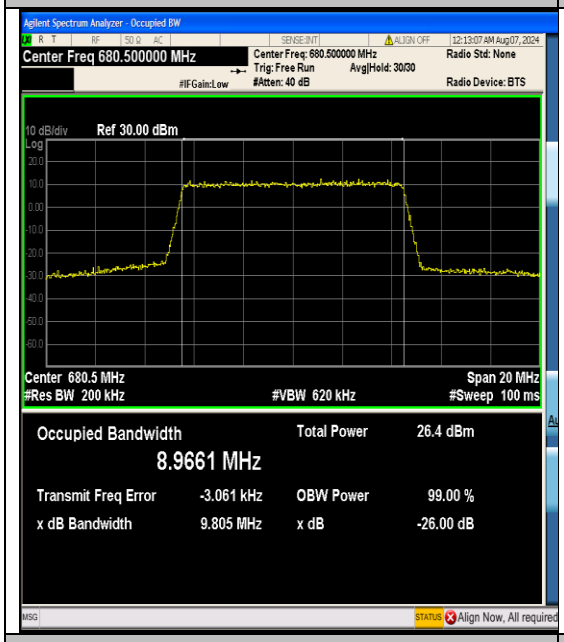
Band71-10MHz-QPSK-133297-50RB#0-PASS



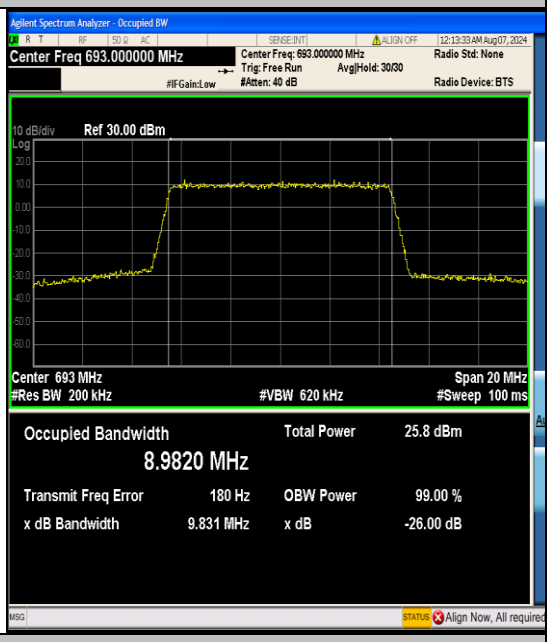
Band71-10MHz-QPSK-133422-50RB#0-PASS



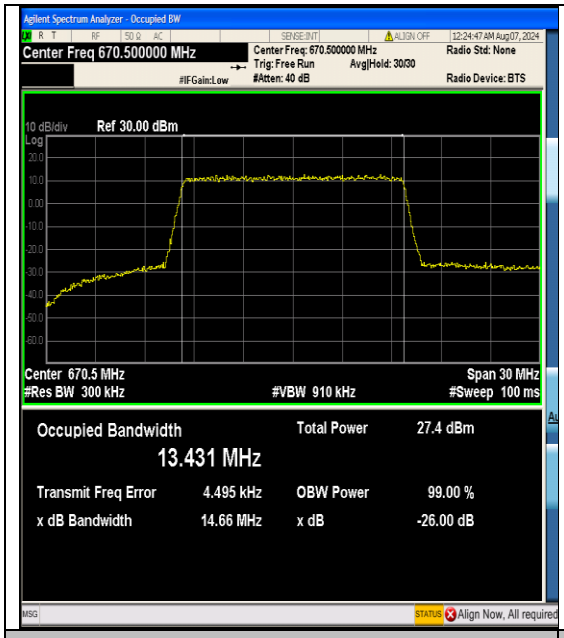
Band71-10MHz-16QAM-133172-50RB#0-PASS



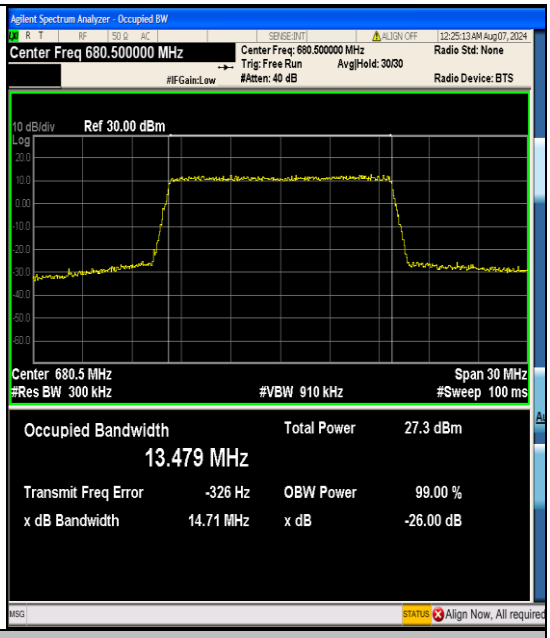
Band71-10MHz-16QAM-133297-50RB#0-PASS



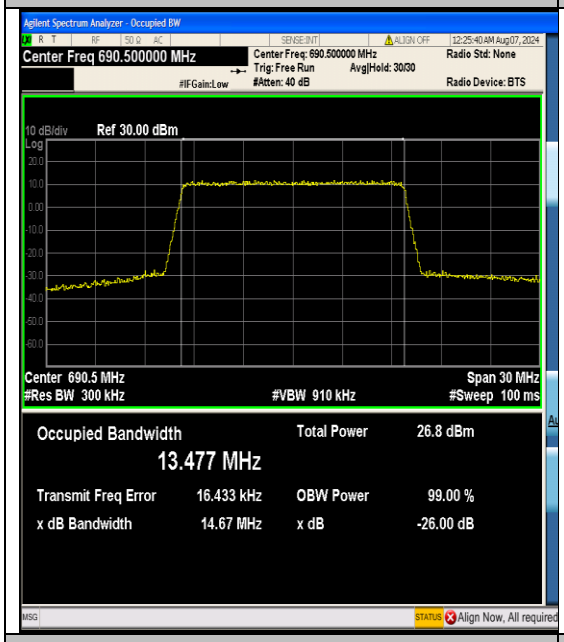
Band71-10MHz-16QAM-133422-50RB#0-PASS



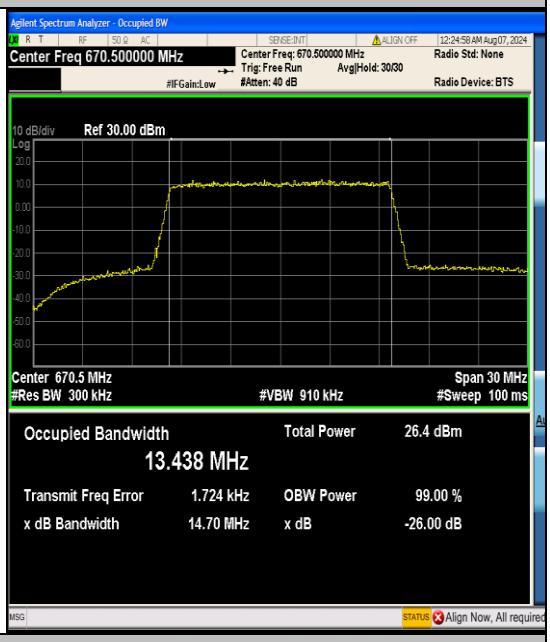
Band71-15MHz-QPSK-133197-75RB#0-PASS



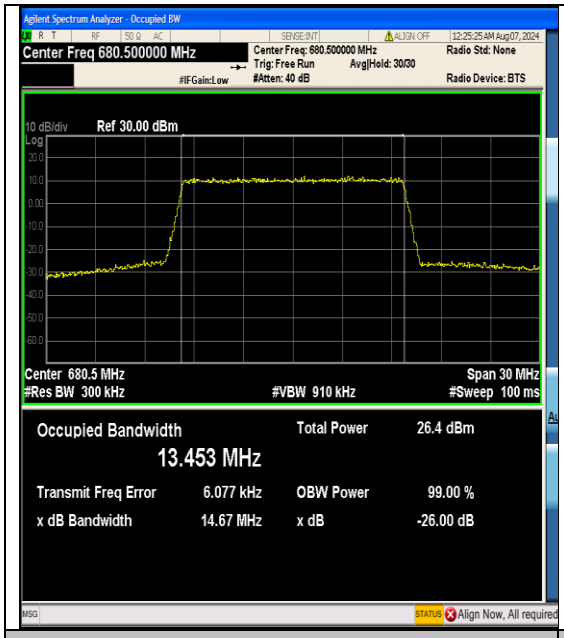
Band71-15MHz-QPSK-133297-75RB#0-PASS



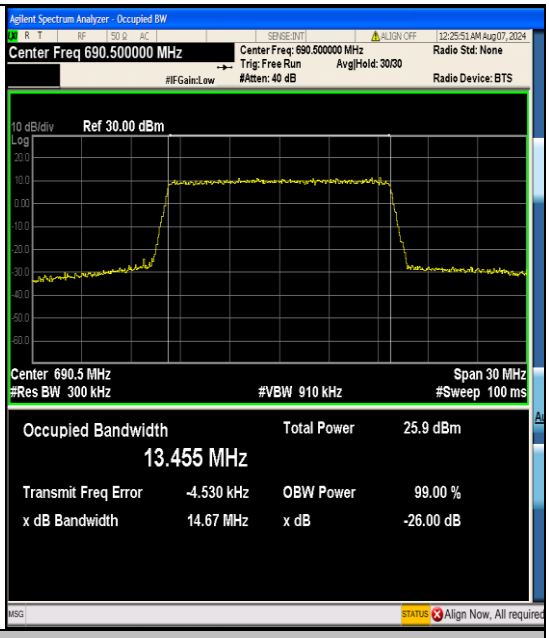
Band71-15MHz-QPSK-133397-75RB#0-PASS



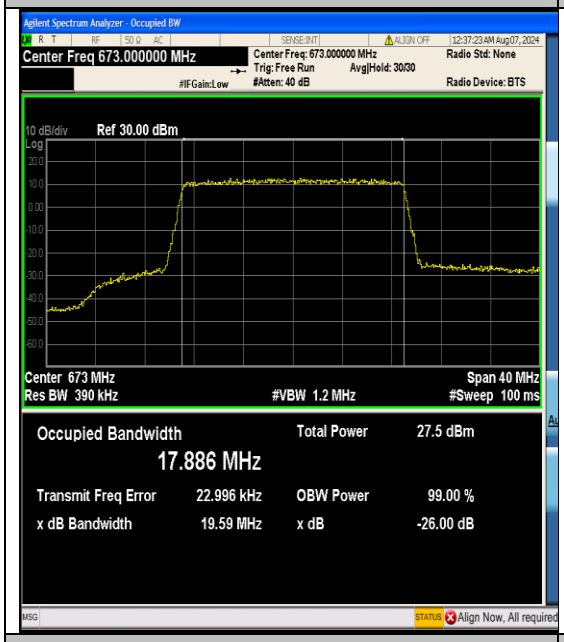
Band71-15MHz-16QAM-133197-75RB#0-PASS



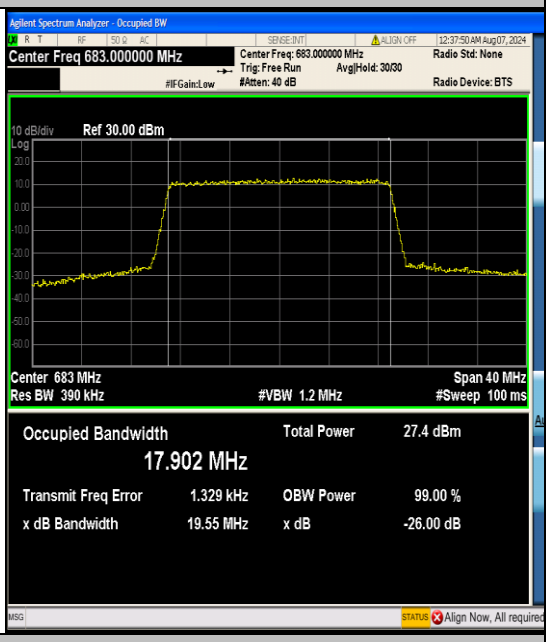
Band71-15MHz-16QAM-133297-75RB#0-PASS



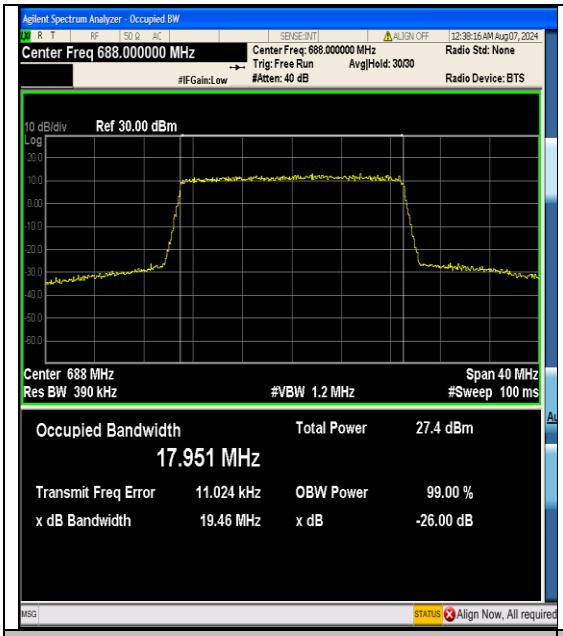
Band71-15MHz-16QAM-133397-75RB#0-PASS



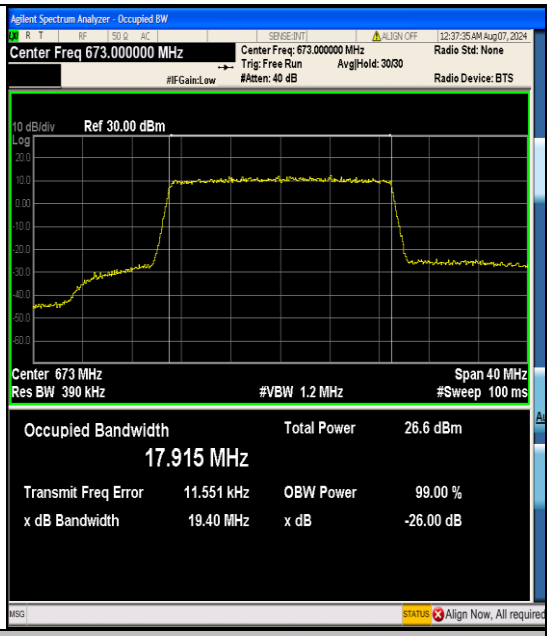
Band71-20MHz-QPSK-133222-100RB#0-PASS



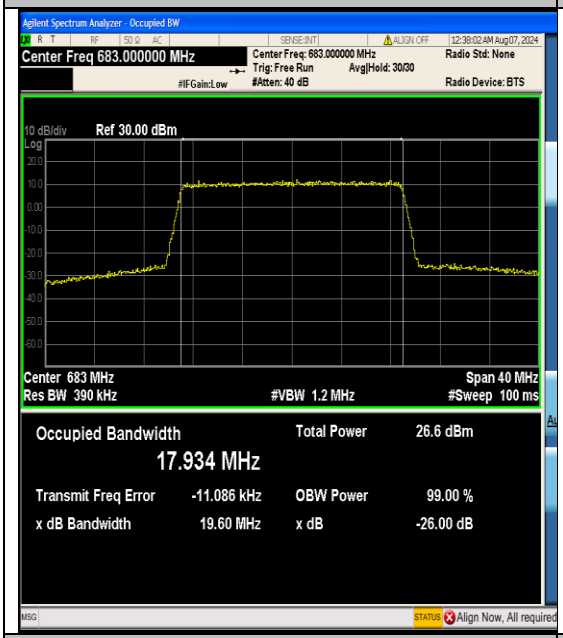
Band71-20MHz-QPSK-133322-100RB#0-PASS



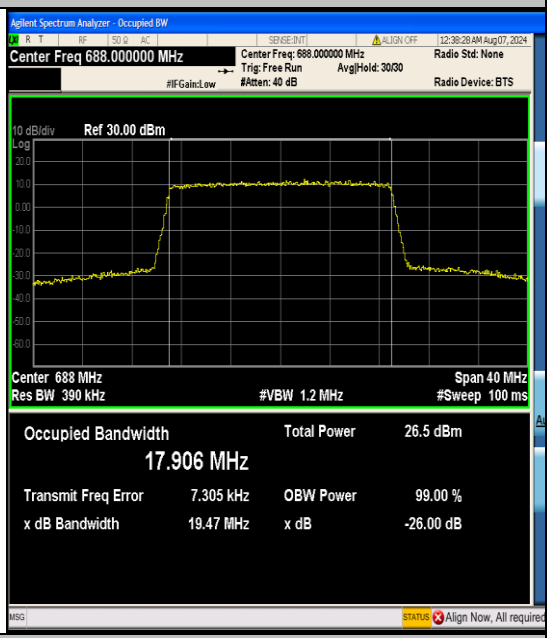
Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133222-100RB#0-PASS



Band71-20MHz-16QAM-133322-100RB#0-PASS



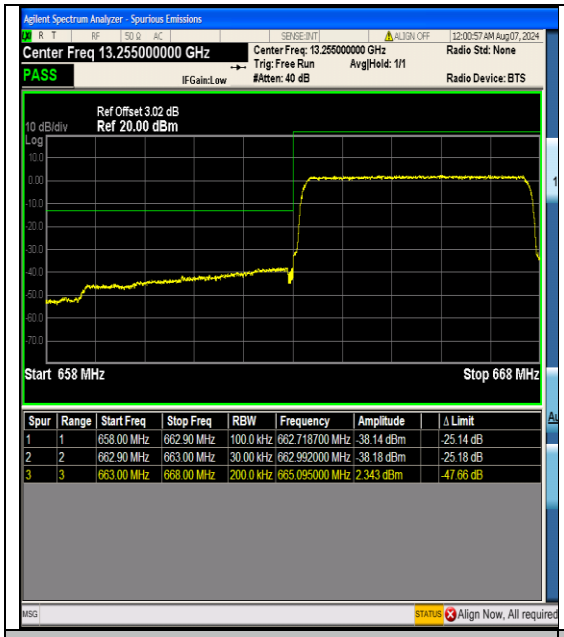
Band71-20MHz-16QAM-133372-100RB#0-PASS

Appendix D: Band Edge

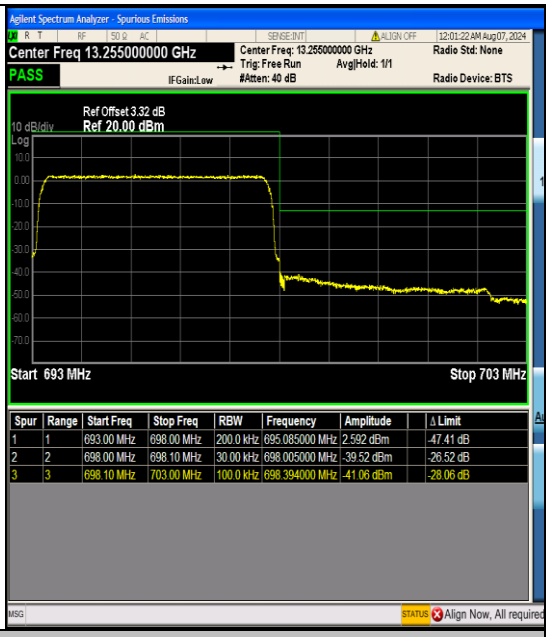
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	-38.14	PASS
Band71	5MHz	QPSK	133447	25RB#0	-39.52	PASS
Band71	5MHz	16QAM	133147	25RB#0	-37.20	PASS
Band71	5MHz	16QAM	133447	25RB#0	-40.01	PASS
Band71	10MHz	QPSK	133172	50RB#0	-40.66	PASS
Band71	10MHz	QPSK	133422	50RB#0	-44.26	PASS
Band71	10MHz	16QAM	133172	50RB#0	-40.07	PASS
Band71	10MHz	16QAM	133422	50RB#0	-43.87	PASS
Band71	15MHz	QPSK	133197	75RB#0	-43.52	PASS
Band71	15MHz	QPSK	133397	75RB#0	-44.38	PASS
Band71	15MHz	16QAM	133197	75RB#0	-43.04	PASS
Band71	15MHz	16QAM	133397	75RB#0	-43.65	PASS
Band71	20MHz	QPSK	133222	100RB#0	-44.62	PASS
Band71	20MHz	QPSK	133372	100RB#0	-43.75	PASS
Band71	20MHz	16QAM	133222	100RB#0	-43.99	PASS
Band71	20MHz	16QAM	133372	100RB#0	-43.76	PASS

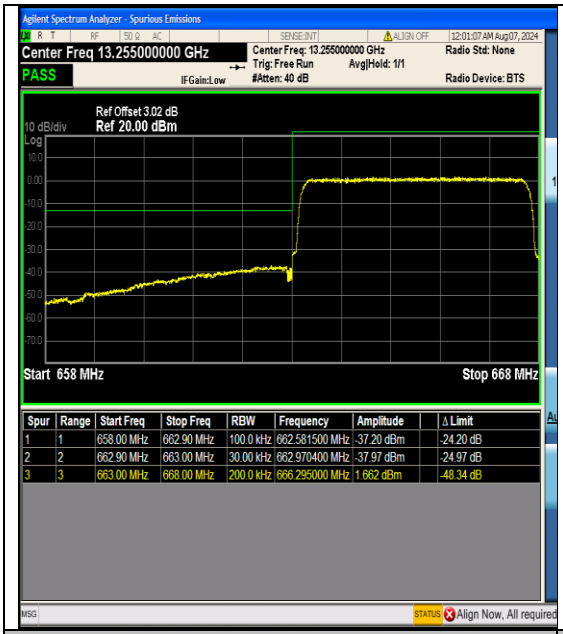
Test Graphs



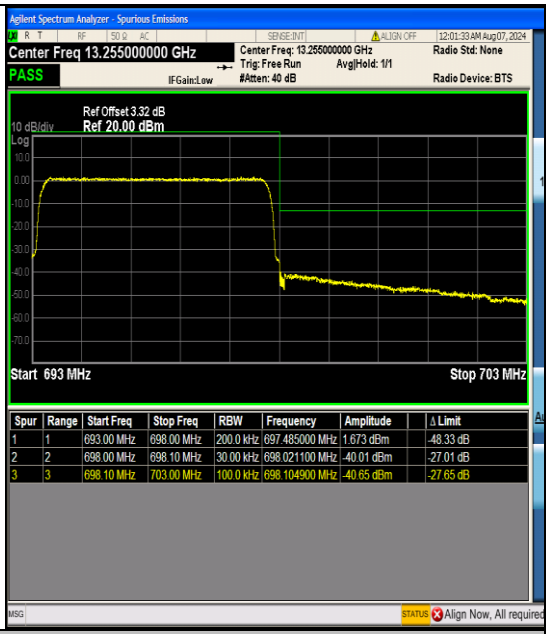
Band71_5MHz_QPSK_133147_25RB#0



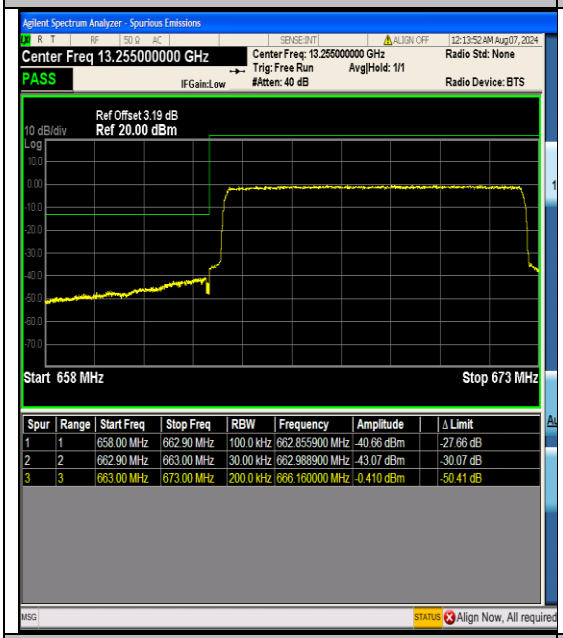
Band71_5MHz_QPSK_133447_25RB#0



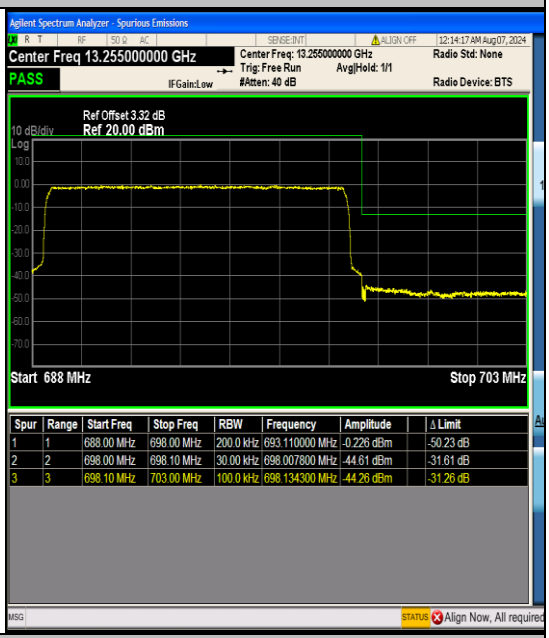
Band71_5MHz_16QAM_133147_25RB#0



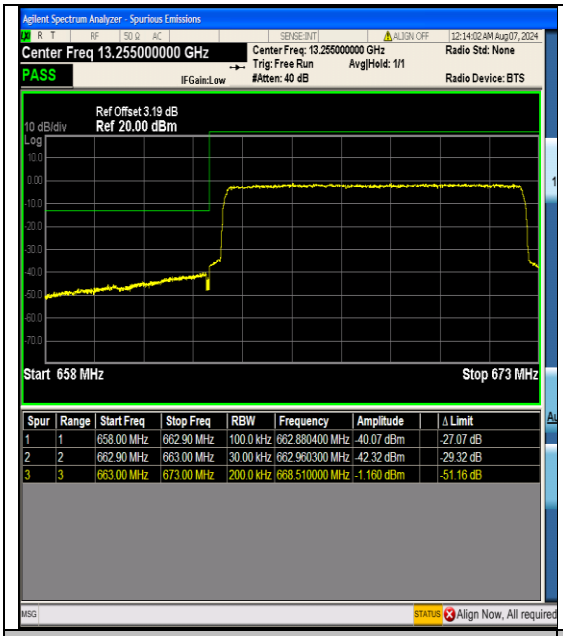
Band71_5MHz_16QAM_133447_25RB#0



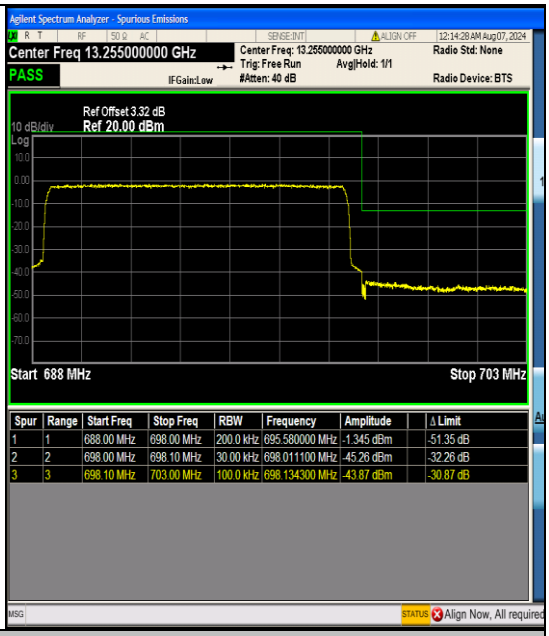
Band71_10MHz_QPSK_133172_50RB#0



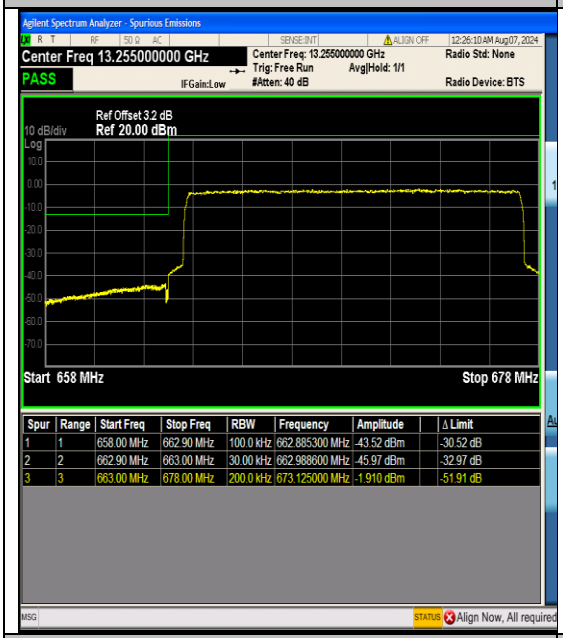
Band71_10MHz_QPSK_133422_50RB#0



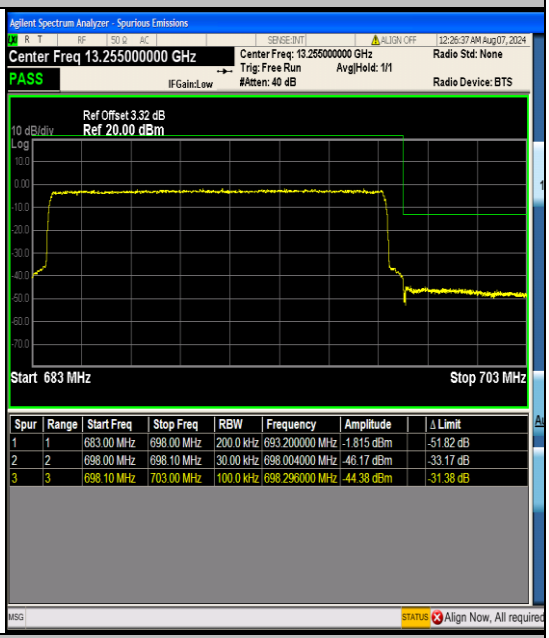
Band71_10MHz_16QAM_133172_50RB#0



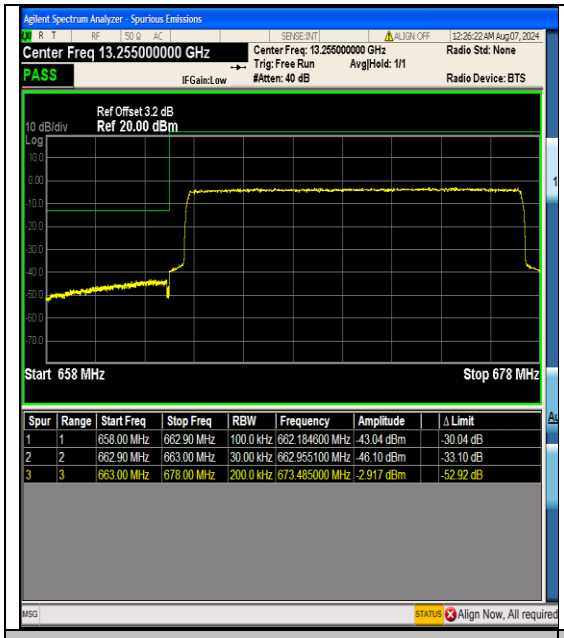
Band71_10MHz_16QAM_133422_50RB#0



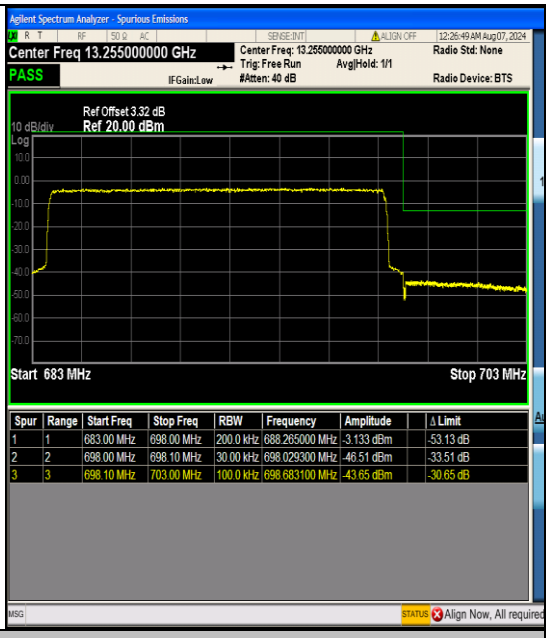
Band71_15MHz_QPSK_133197_75RB#0



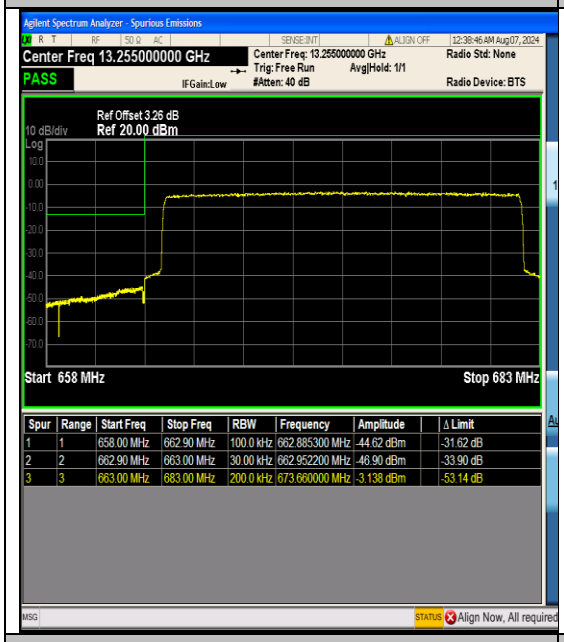
Band71_15MHz_QPSK_133397_75RB#0



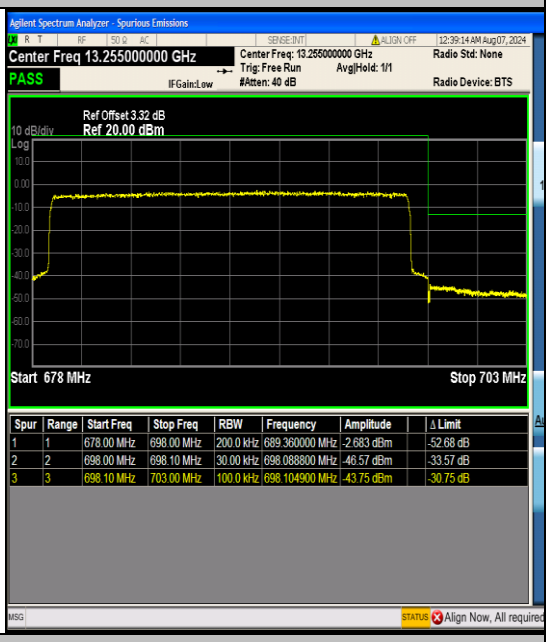
Band71_15MHz_16QAM_133197_75RB#0



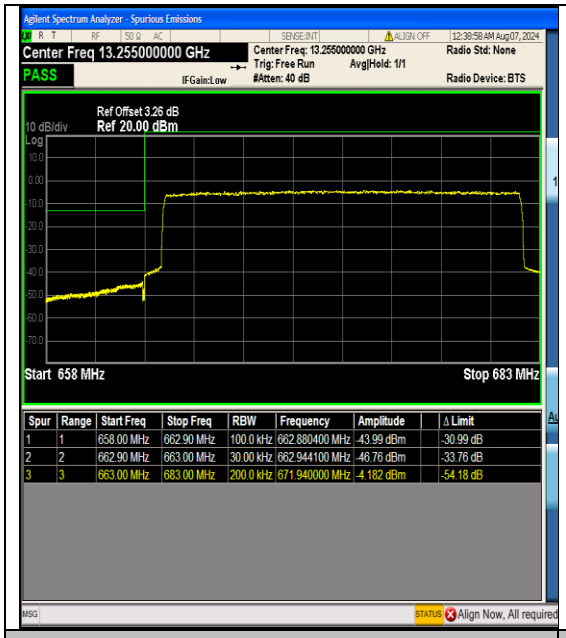
Band71_15MHz_16QAM_133397_75RB#0



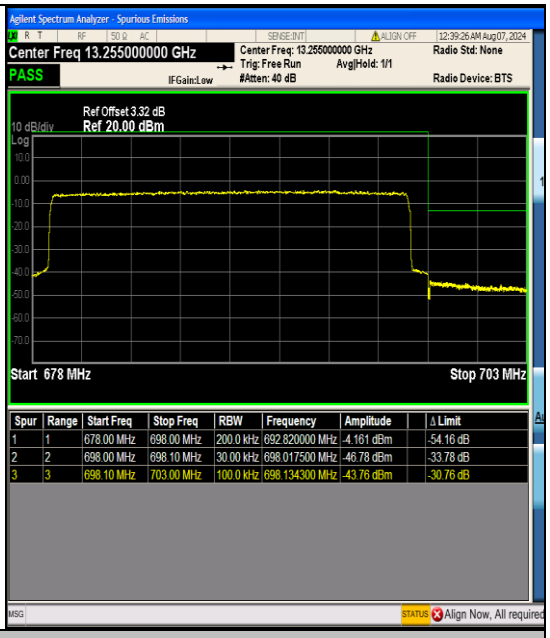
Band71_20MHz_QPSK_133222_100RB#0



Band71_20MHz_QPSK_133372_100RB#0



Band71_20MHz_16QAM_133222_100RB#0



Band71_20MHz_16QAM_133372_100RB#0

Appendix E: Conducted Spurious Emission

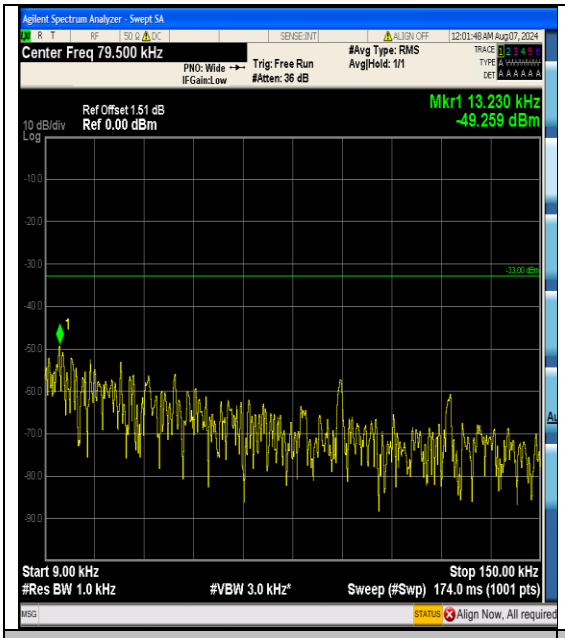
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	0.009~0.15	-49.26	PASS
Band71	5MHz	QPSK	133147	25RB#0	0.15~30	-54.34	PASS
Band71	5MHz	QPSK	133147	25RB#0	30~1000	-54.75	PASS
Band71	5MHz	QPSK	133147	25RB#0	1000~3000	-52.47	PASS
Band71	5MHz	QPSK	133147	25RB#0	3000~10000	-49.90	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.009~0.15	-45.85	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.15~30	-56.16	PASS
Band71	5MHz	QPSK	133297	25RB#0	30~1000	-53.70	PASS
Band71	5MHz	QPSK	133297	25RB#0	1000~3000	-52.26	PASS
Band71	5MHz	QPSK	133297	25RB#0	3000~10000	-49.53	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.009~0.15	-46.89	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.15~30	-55.82	PASS
Band71	5MHz	QPSK	133447	25RB#0	30~1000	-56.79	PASS
Band71	5MHz	QPSK	133447	25RB#0	1000~3000	-52.50	PASS
Band71	5MHz	QPSK	133447	25RB#0	3000~10000	-49.69	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.009~0.15	-49.45	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.15~30	-54.24	PASS
Band71	5MHz	16QAM	133147	25RB#0	30~1000	-56.20	PASS
Band71	5MHz	16QAM	133147	25RB#0	1000~3000	-52.56	PASS
Band71	5MHz	16QAM	133147	25RB#0	3000~10000	-50.06	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.009~0.15	-48.08	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.15~30	-54.95	PASS
Band71	5MHz	16QAM	133297	25RB#0	30~1000	-55.96	PASS
Band71	5MHz	16QAM	133297	25RB#0	1000~3000	-52.53	PASS
Band71	5MHz	16QAM	133297	25RB#0	3000~10000	-50.00	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.009~0.15	-48.20	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.15~30	-54.01	PASS
Band71	5MHz	16QAM	133447	25RB#0	30~1000	-59.00	PASS
Band71	5MHz	16QAM	133447	25RB#0	1000~3000	-52.38	PASS
Band71	5MHz	16QAM	133447	25RB#0	3000~10000	-49.64	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.009~0.15	-48.98	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.15~30	-55.89	PASS
Band71	10MHz	QPSK	133172	50RB#0	30~1000	-56.08	PASS
Band71	10MHz	QPSK	133172	50RB#0	1000~3000	-52.40	PASS
Band71	10MHz	QPSK	133172	50RB#0	3000~10000	-49.96	PASS
Band71	10MHz	QPSK	133297	50RB#0	0.009~0.15	-50.01	PASS

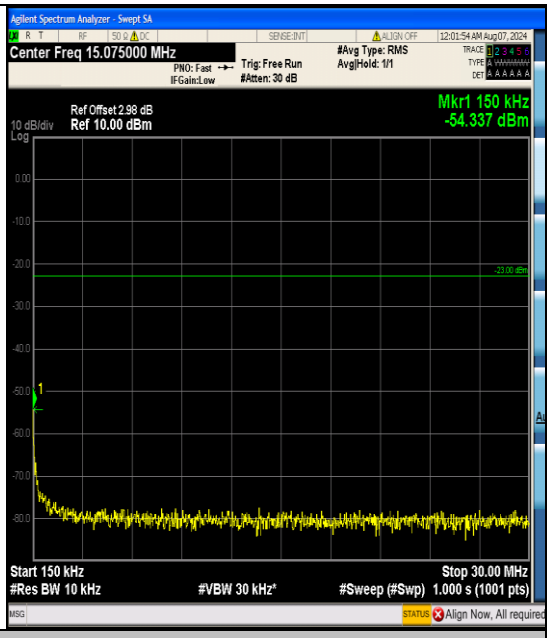
Band71	10MHz	QPSK	133297	50RB#0	0.15~30	-52.89	PASS
Band71	10MHz	QPSK	133297	50RB#0	30~1000	-57.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	1000~3000	-52.50	PASS
Band71	10MHz	QPSK	133297	50RB#0	3000~10000	-50.05	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.009~0.15	-49.59	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.15~30	-56.01	PASS
Band71	10MHz	QPSK	133422	50RB#0	30~1000	-59.94	PASS
Band71	10MHz	QPSK	133422	50RB#0	1000~3000	-52.80	PASS
Band71	10MHz	QPSK	133422	50RB#0	3000~10000	-49.65	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.009~0.15	-51.17	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.15~30	-55.12	PASS
Band71	10MHz	16QAM	133172	50RB#0	30~1000	-58.10	PASS
Band71	10MHz	16QAM	133172	50RB#0	1000~3000	-52.85	PASS
Band71	10MHz	16QAM	133172	50RB#0	3000~10000	-49.74	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.009~0.15	-46.58	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.15~30	-57.21	PASS
Band71	10MHz	16QAM	133297	50RB#0	30~1000	-59.60	PASS
Band71	10MHz	16QAM	133297	50RB#0	1000~3000	-52.39	PASS
Band71	10MHz	16QAM	133297	50RB#0	3000~10000	-49.88	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.009~0.15	-45.24	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.15~30	-57.09	PASS
Band71	10MHz	16QAM	133422	50RB#0	30~1000	-61.24	PASS
Band71	10MHz	16QAM	133422	50RB#0	1000~3000	-52.74	PASS
Band71	10MHz	16QAM	133422	50RB#0	3000~10000	-49.91	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.009~0.15	-46.54	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.15~30	-55.91	PASS
Band71	15MHz	QPSK	133197	75RB#0	30~1000	-61.61	PASS
Band71	15MHz	QPSK	133197	75RB#0	1000~3000	-52.69	PASS
Band71	15MHz	QPSK	133197	75RB#0	3000~10000	-49.61	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.009~0.15	-48.65	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.15~30	-58.42	PASS
Band71	15MHz	QPSK	133297	75RB#0	30~1000	-66.49	PASS
Band71	15MHz	QPSK	133297	75RB#0	1000~3000	-52.32	PASS
Band71	15MHz	QPSK	133297	75RB#0	3000~10000	-49.60	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.009~0.15	-50.23	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.15~30	-54.53	PASS
Band71	15MHz	QPSK	133397	75RB#0	30~1000	-66.67	PASS
Band71	15MHz	QPSK	133397	75RB#0	1000~3000	-52.13	PASS
Band71	15MHz	QPSK	133397	75RB#0	3000~10000	-49.75	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.009~0.15	-46.59	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.15~30	-54.43	PASS
Band71	15MHz	16QAM	133197	75RB#0	30~1000	-60.79	PASS
Band71	15MHz	16QAM	133197	75RB#0	1000~3000	-52.49	PASS

Band71	15MHz	16QAM	133197	75RB#0	3000~10000	-50.03	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.009~0.15	-49.73	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.15~30	-54.28	PASS
Band71	15MHz	16QAM	133297	75RB#0	30~1000	-66.80	PASS
Band71	15MHz	16QAM	133297	75RB#0	1000~3000	-52.50	PASS
Band71	15MHz	16QAM	133297	75RB#0	3000~10000	-49.71	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.009~0.15	-51.95	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.15~30	-57.66	PASS
Band71	15MHz	16QAM	133397	75RB#0	30~1000	-66.78	PASS
Band71	15MHz	16QAM	133397	75RB#0	1000~3000	-52.56	PASS
Band71	15MHz	16QAM	133397	75RB#0	3000~10000	-49.93	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.009~0.15	-49.57	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.15~30	-55.26	PASS
Band71	20MHz	QPSK	133222	100RB#0	30~1000	-66.17	PASS
Band71	20MHz	QPSK	133222	100RB#0	1000~3000	-52.00	PASS
Band71	20MHz	QPSK	133222	100RB#0	3000~10000	-49.88	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.009~0.15	-48.23	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.15~30	-55.68	PASS
Band71	20MHz	QPSK	133322	100RB#0	30~1000	-66.65	PASS
Band71	20MHz	QPSK	133322	100RB#0	1000~3000	-52.38	PASS
Band71	20MHz	QPSK	133322	100RB#0	3000~10000	-49.86	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.009~0.15	-48.33	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.15~30	-53.14	PASS
Band71	20MHz	QPSK	133372	100RB#0	30~1000	-66.55	PASS
Band71	20MHz	QPSK	133372	100RB#0	1000~3000	-51.86	PASS
Band71	20MHz	QPSK	133372	100RB#0	3000~10000	-49.50	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.009~0.15	-48.19	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.15~30	-55.67	PASS
Band71	20MHz	16QAM	133222	100RB#0	30~1000	-66.70	PASS
Band71	20MHz	16QAM	133222	100RB#0	1000~3000	-52.45	PASS
Band71	20MHz	16QAM	133222	100RB#0	3000~10000	-50.25	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.009~0.15	-45.95	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.15~30	-59.38	PASS
Band71	20MHz	16QAM	133322	100RB#0	30~1000	-66.62	PASS
Band71	20MHz	16QAM	133322	100RB#0	1000~3000	-52.24	PASS
Band71	20MHz	16QAM	133322	100RB#0	3000~10000	-49.66	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.009~0.15	-47.95	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.15~30	-56.33	PASS
Band71	20MHz	16QAM	133372	100RB#0	30~1000	-66.58	PASS
Band71	20MHz	16QAM	133372	100RB#0	1000~3000	-52.14	PASS
Band71	20MHz	16QAM	133372	100RB#0	3000~10000	-49.69	PASS

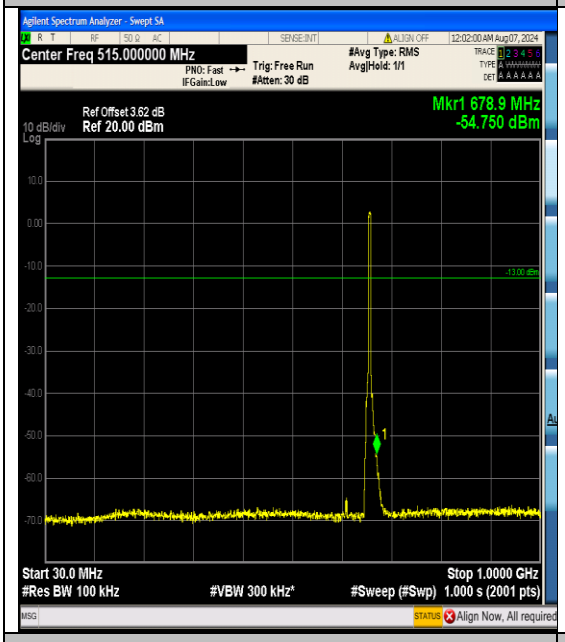
Test Graphs



Band71_5MHz_QPSK_133147_25RB#0_0.009~0.15_0.009~0.15



Band71_5MHz_QPSK_133147_25RB#0_0.15~30_0.15~30



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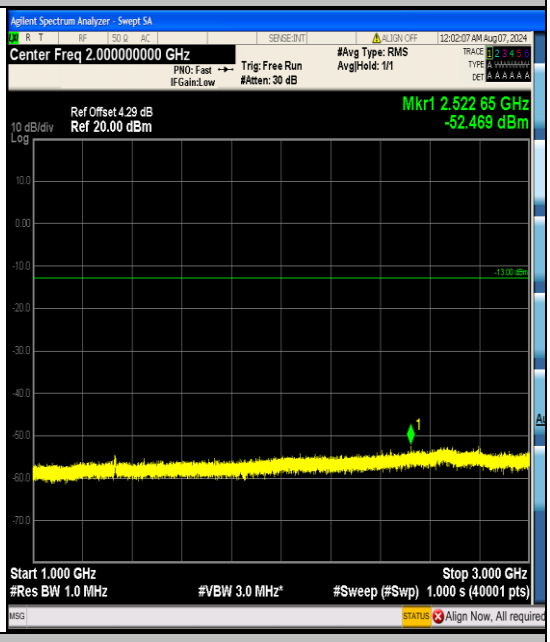
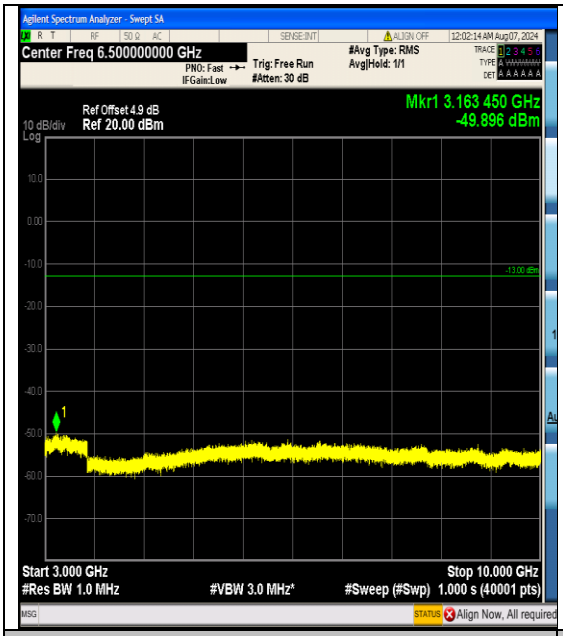
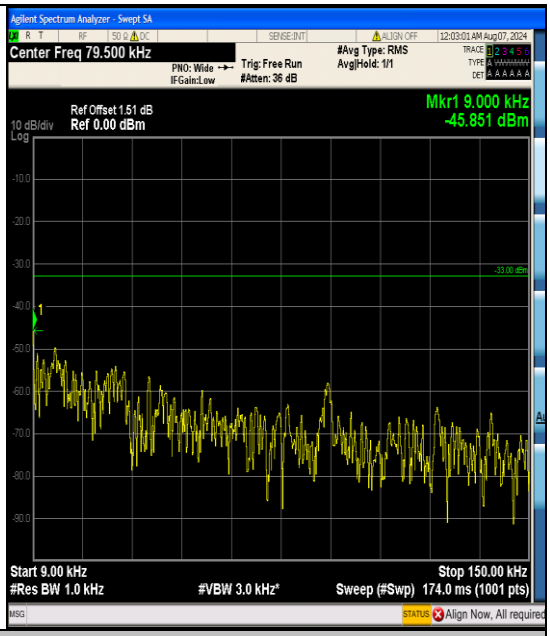


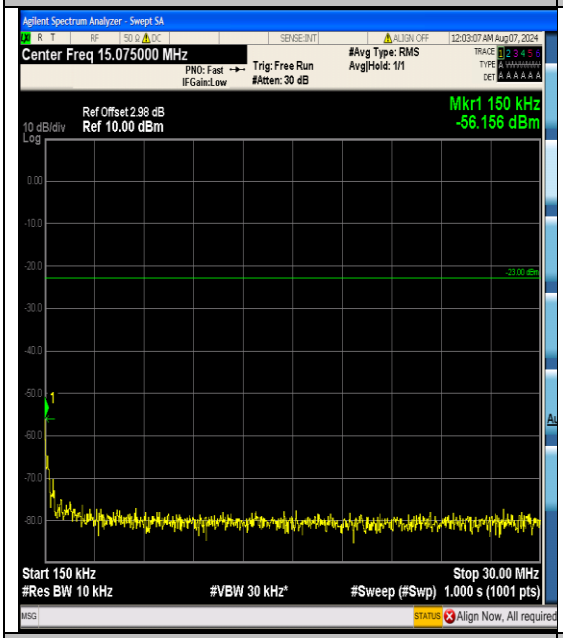
Band71_5MHz_QPSK_133147_25RB#0_1000~3000_1000~3000



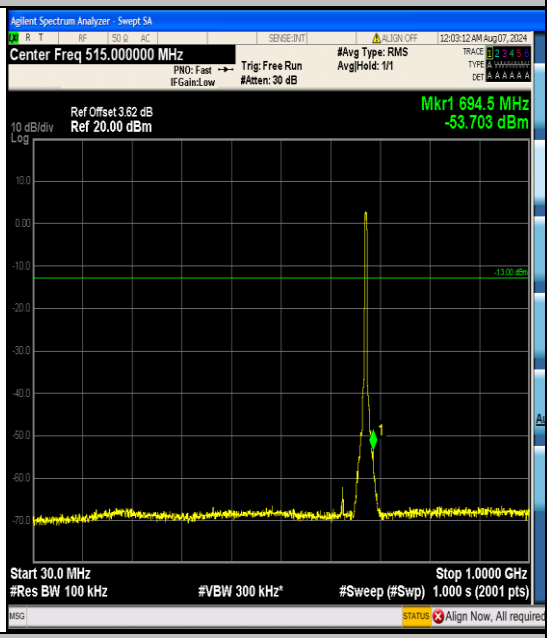
Band71_5MHz_QPSK_133147_25RB#0_3000~10000_3000~10000



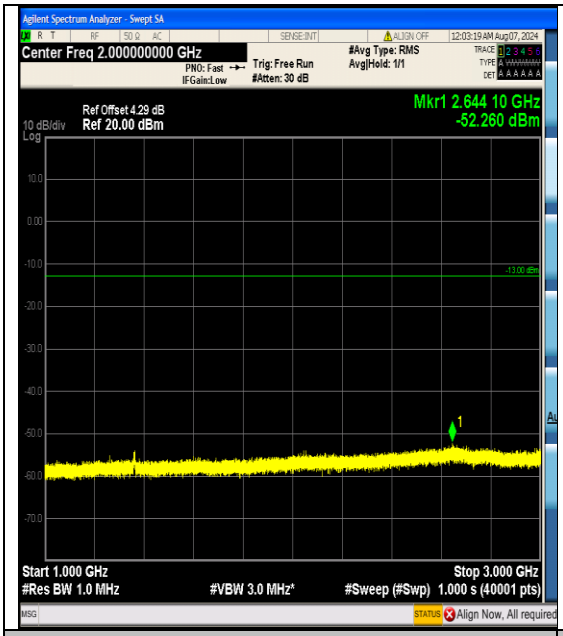
Band71_5MHz_QPSK_133297_25RB#0_0.009~0.15_0.009~0.15



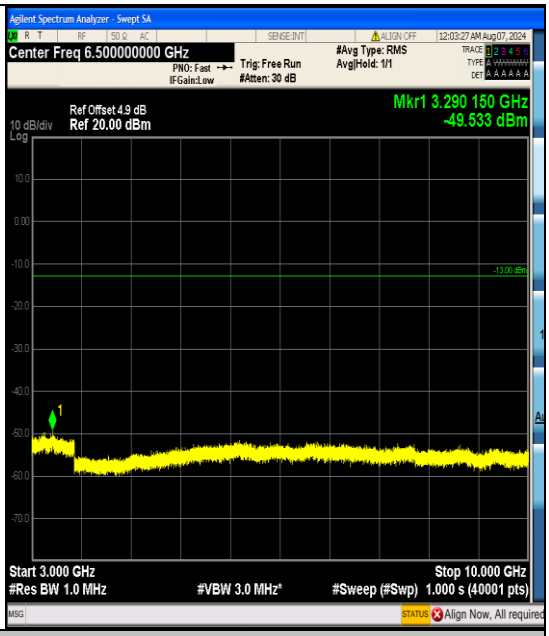
Band71_5MHz_QPSK_133297_25RB#0_0.15~30_0.15~30



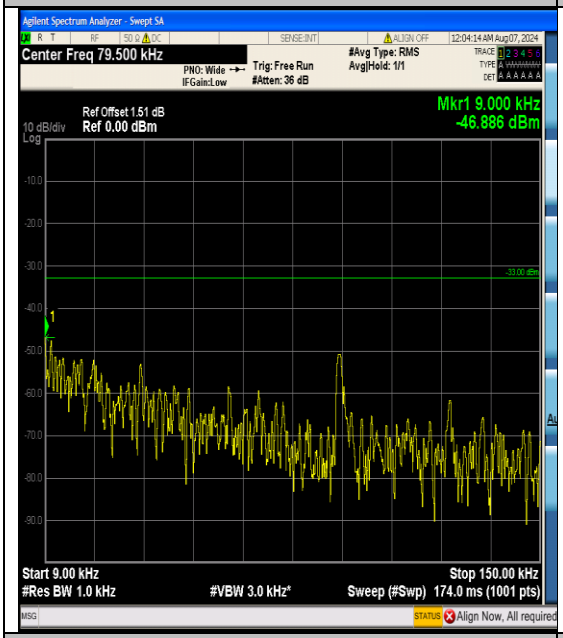
Band71_5MHz_QPSK_133297_25RB#0_30~1000_30~1000



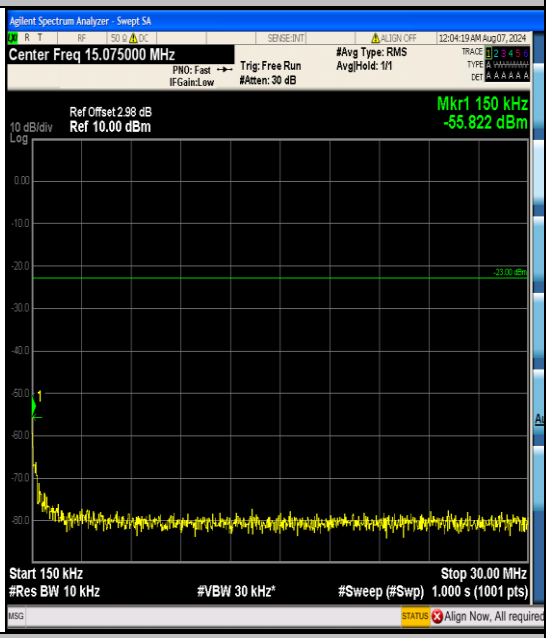
Band71_5MHz_QPSK_133297_25RB#0_1000~3000_1000~3000



Band71_5MHz_QPSK_133297_25RB#0_3000~10000_3000~10000



Band71_5MHz_QPSK_133447_25RB#0_0.009~0.15_0.009~0.15



Band71_5MHz_QPSK_133447_25RB#0_0.15~30_0.15~30