FCC LTE Band Test Data

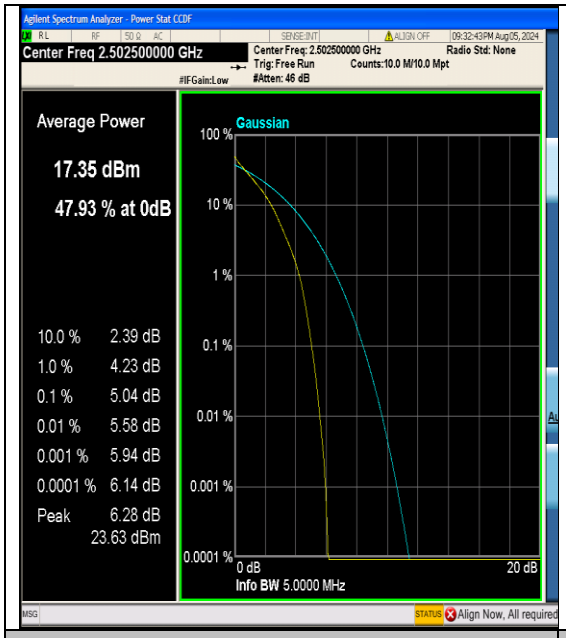
FCC ID	**:**	**2BF4O-CC4PRO**
Company:	**:**	**Shenzhen TEYES High tech Co., Ltd.**
EUT	**:**	**Car Headunit**
Model Number	**:**	**CC4PRO**
Reviewed By	**:**	**Eric Wang**

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

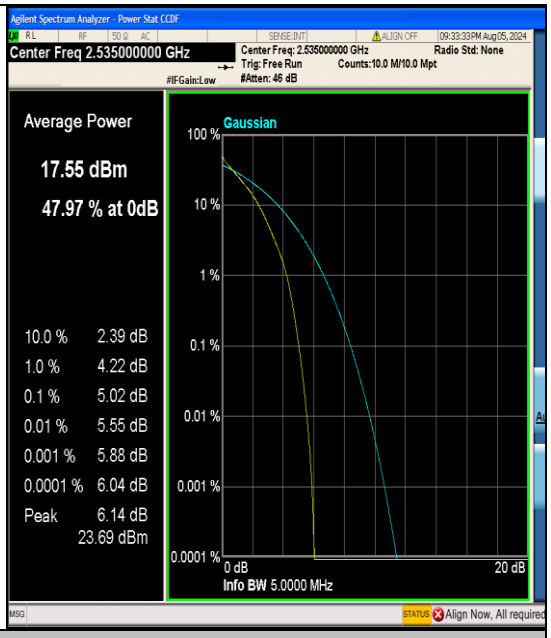
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.04	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.02	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.96	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.84	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.83	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.77	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.10	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.98	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.96	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.88	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.80	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.78	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.30	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.20	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.14	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.99	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.88	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.86	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.12	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.96	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.93	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.92	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.79	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.79	13	PASS

Test Graphs



Band7-5MHz-QPSK-20775-25RB#0-PASS



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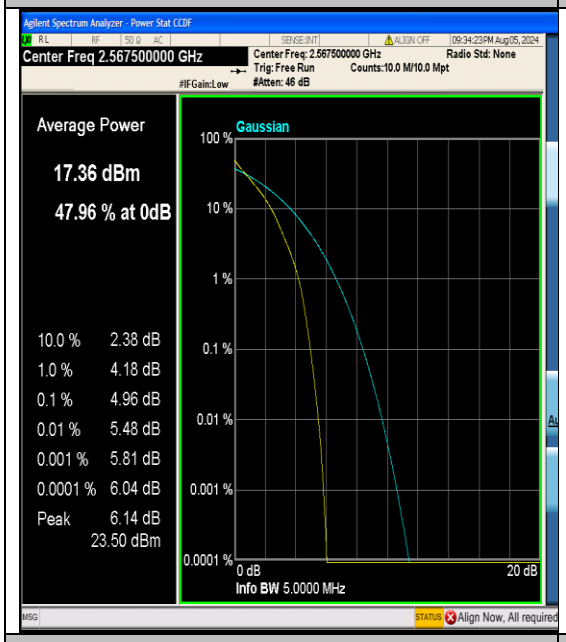

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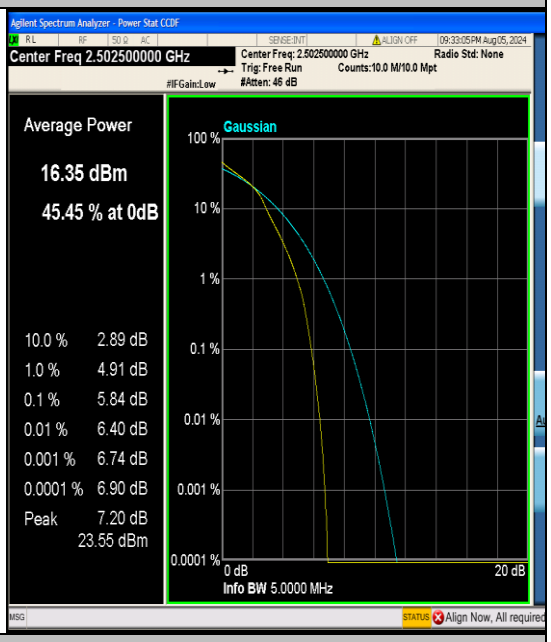
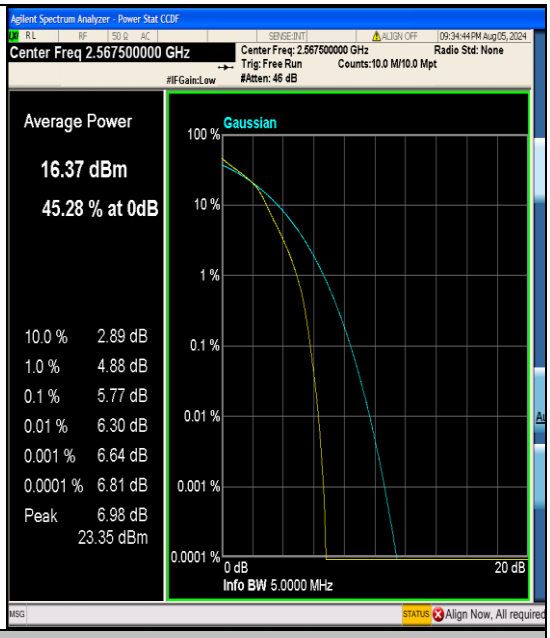


Band7-5MHz-16QAM-20775-25RB#0-PASS

Band7-5MHz-16QAM-21100-25RB#0-PASS



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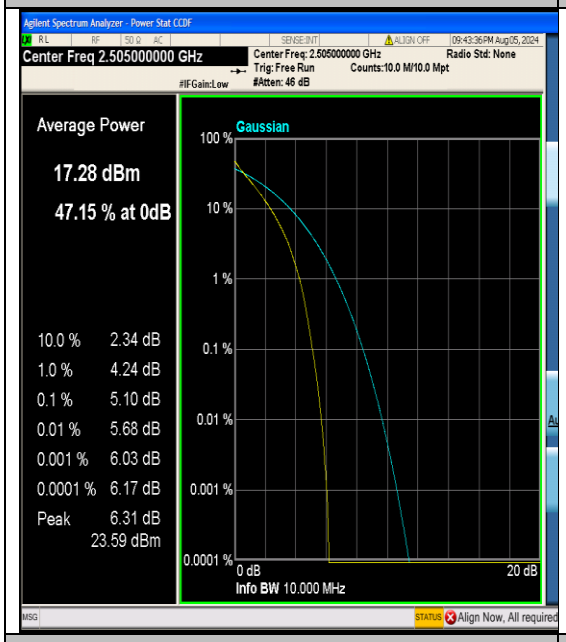

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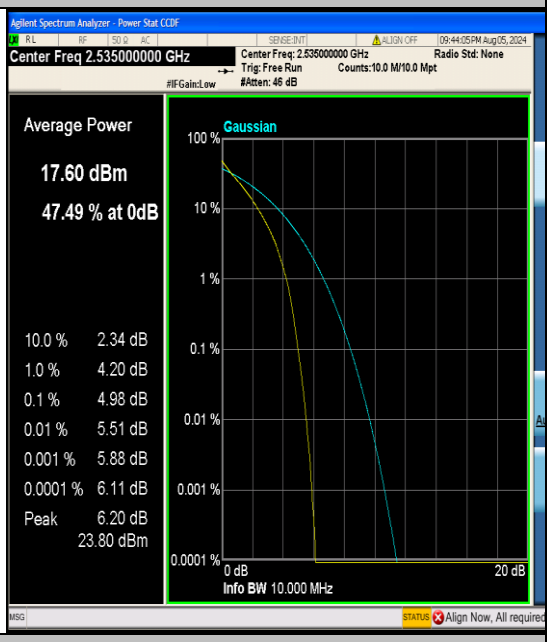

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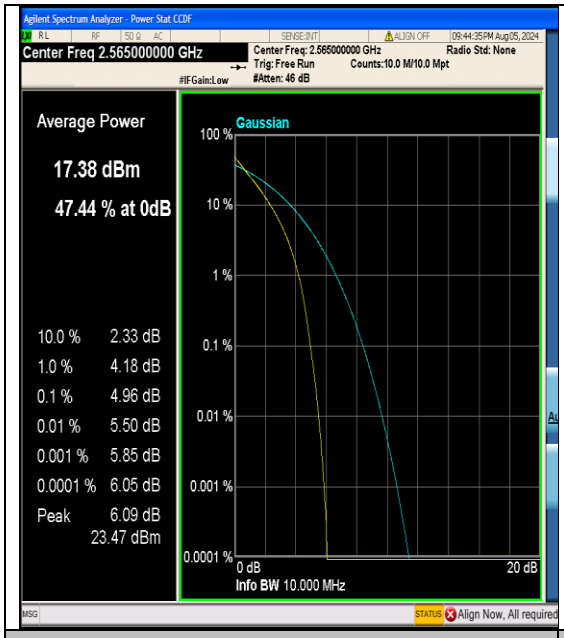

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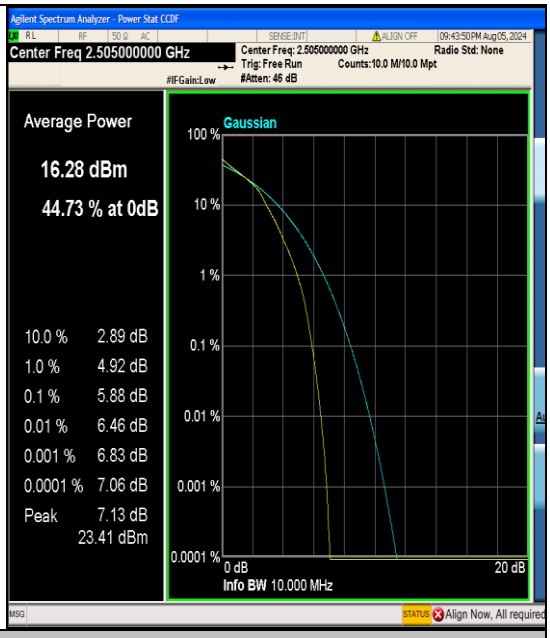

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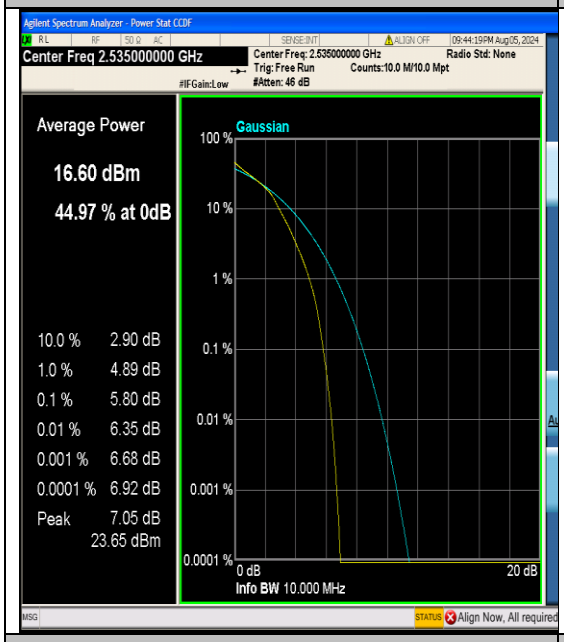

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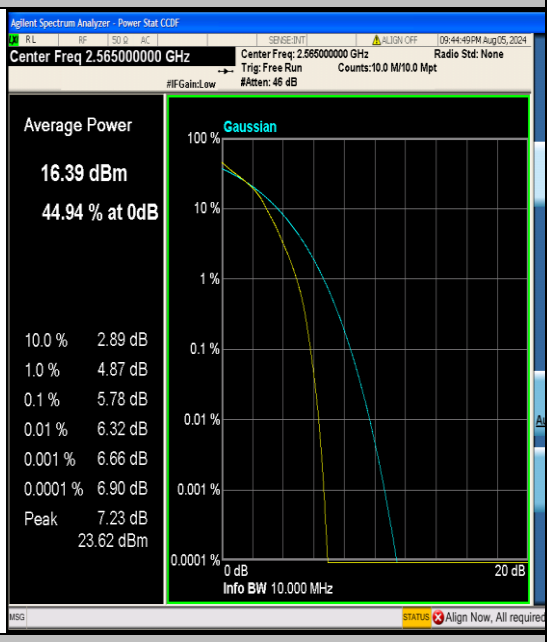
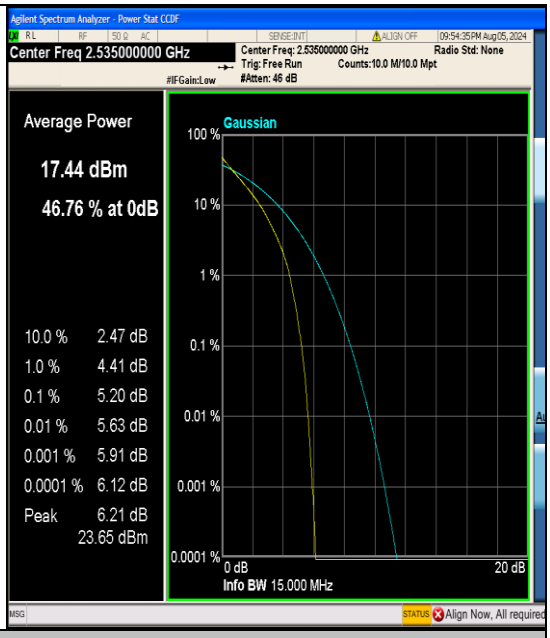
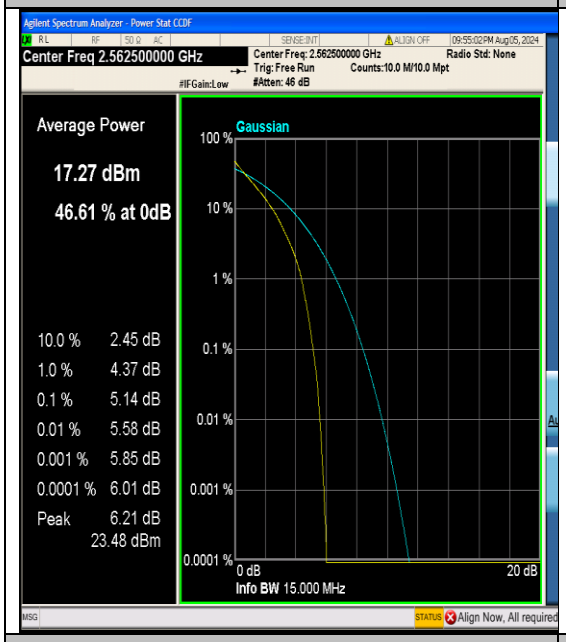


Band7-10MHz-16QAM-21400-50RB#0-PASS

Band7-15MHz-QPSK-20825-75RB#0-PASS



Band7-15MHz-QPSK-21100-75RB#0-PASS



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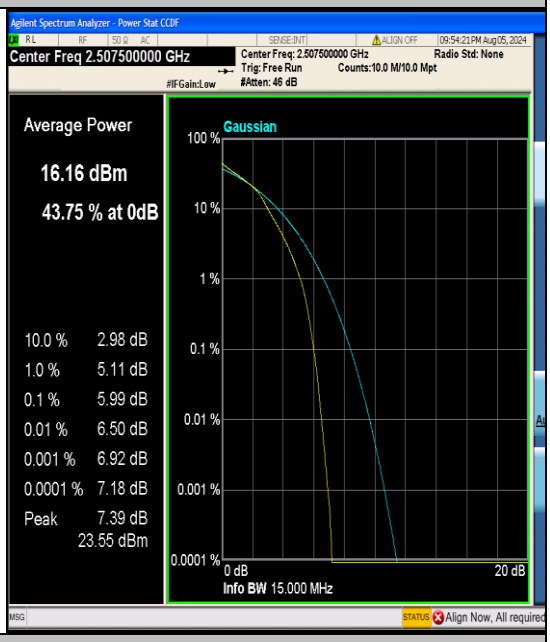

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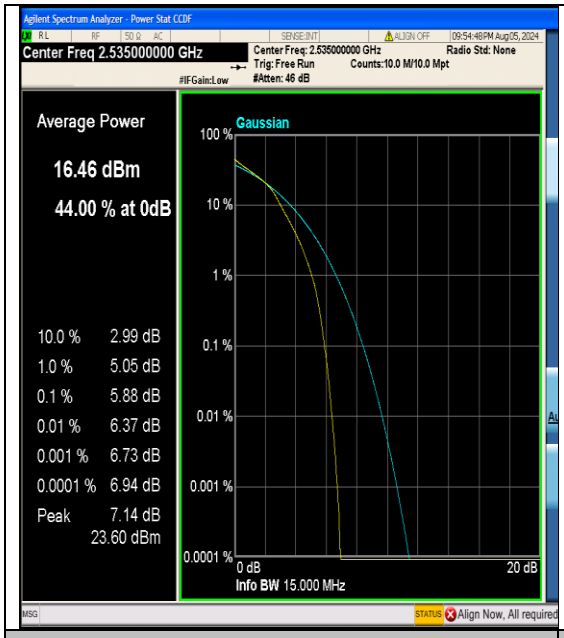

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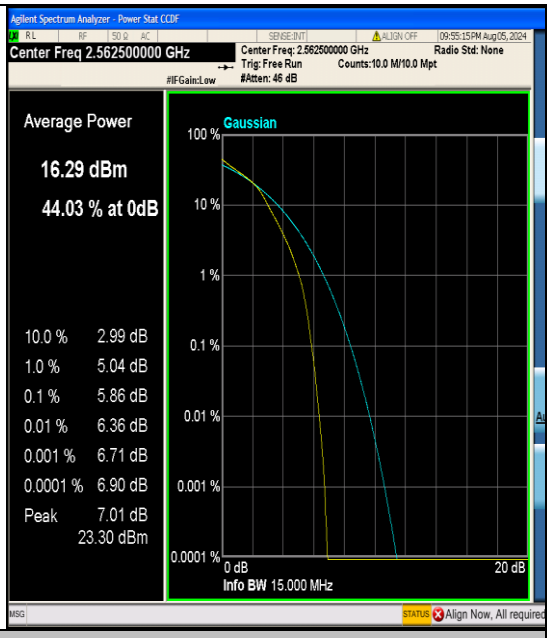
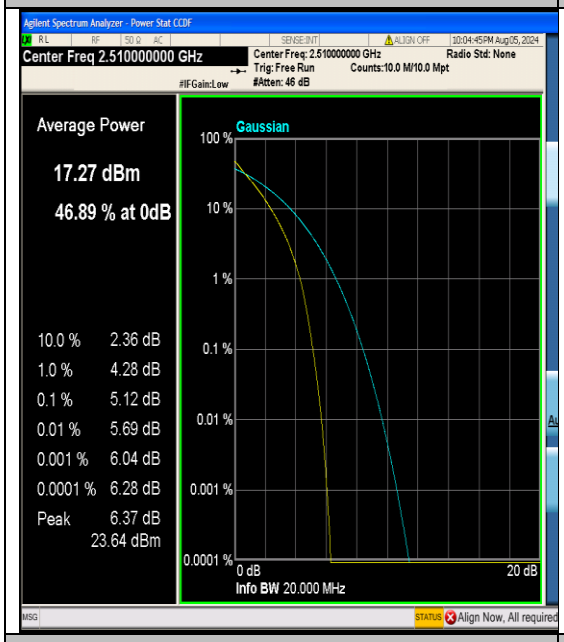
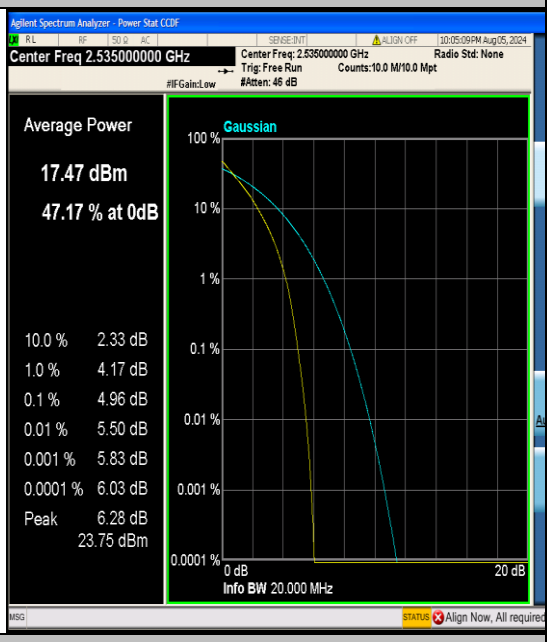


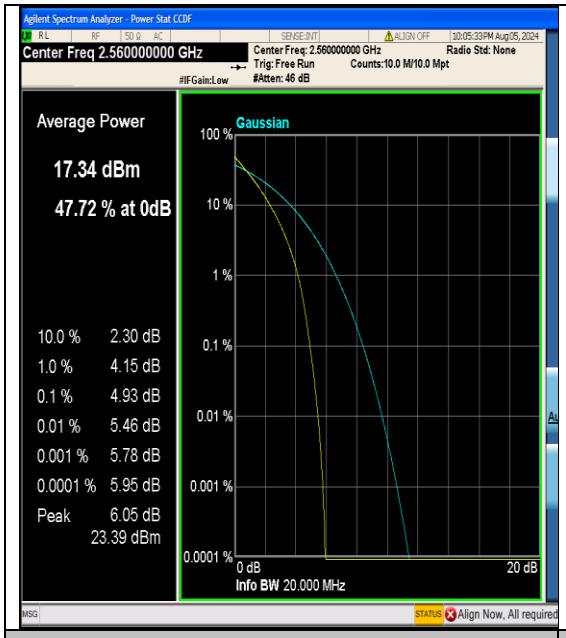
Band7-15MHz-16QAM-21375-75RB#0-PASS



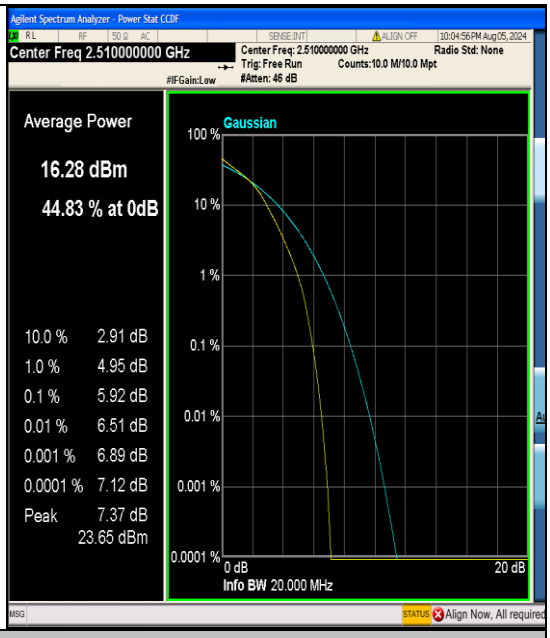
Band7-20MHz-QPSK-20850-100RB#0-PASS



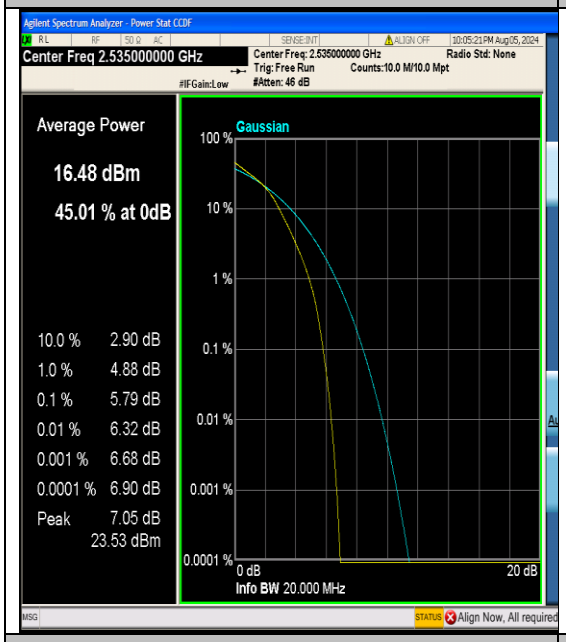
Band7-20MHz-QPSK-21100-100RB#0-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS



Band7-20MHz-16QAM-20850-100RB#0-PASS



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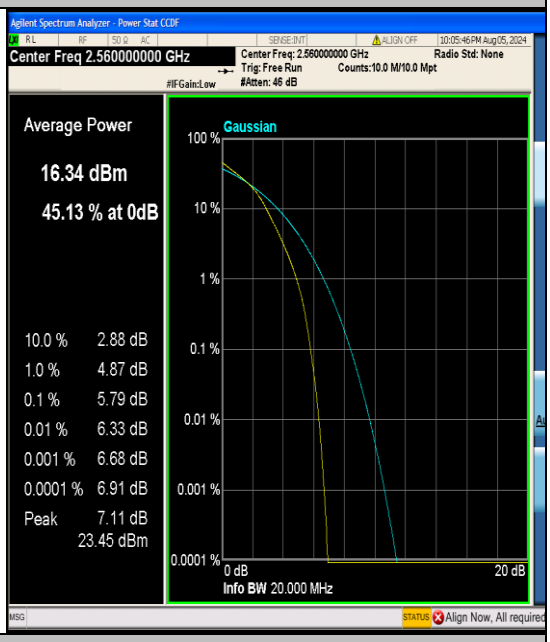


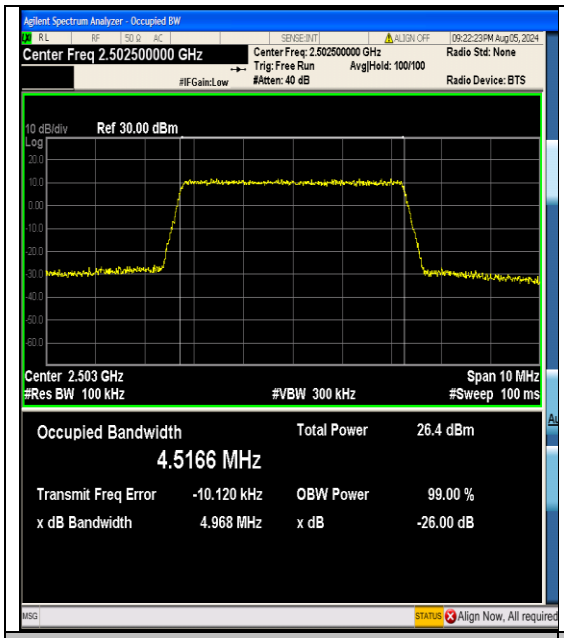
Band7-20MHz-16QAM-21350-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

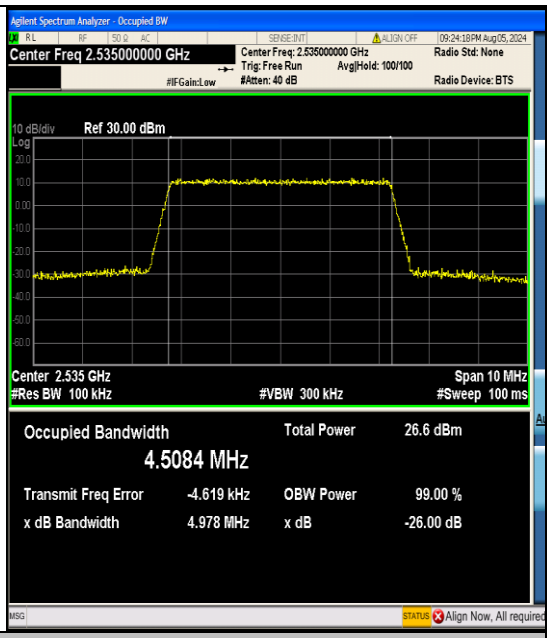
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5166	4.968	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5084	4.978	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5054	4.962	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5158	5.001	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5079	4.998	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5080	4.953	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9933	9.821	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0027	9.868	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9807	9.836	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9986	9.861	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9969	9.866	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9811	9.777	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.503	14.77	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.454	14.71	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.449	14.69	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.493	14.81	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.468	14.69	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.450	14.68	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.002	19.63	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.933	19.44	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.911	19.43	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.005	19.65	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.944	19.44	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.922	19.53	PASS

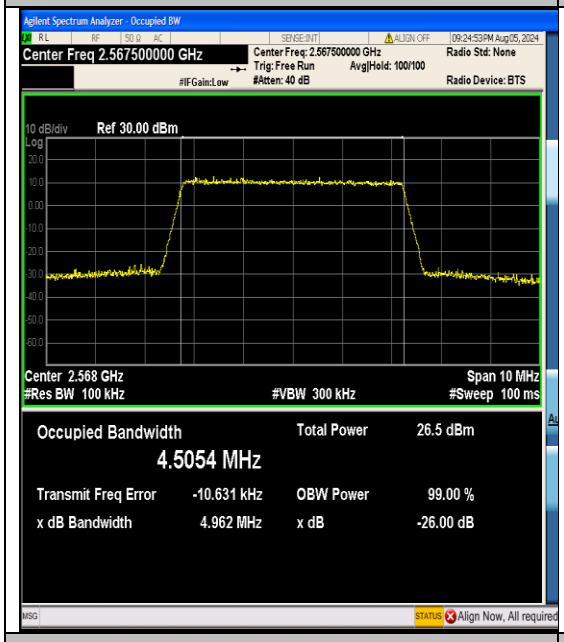
Test Graphs



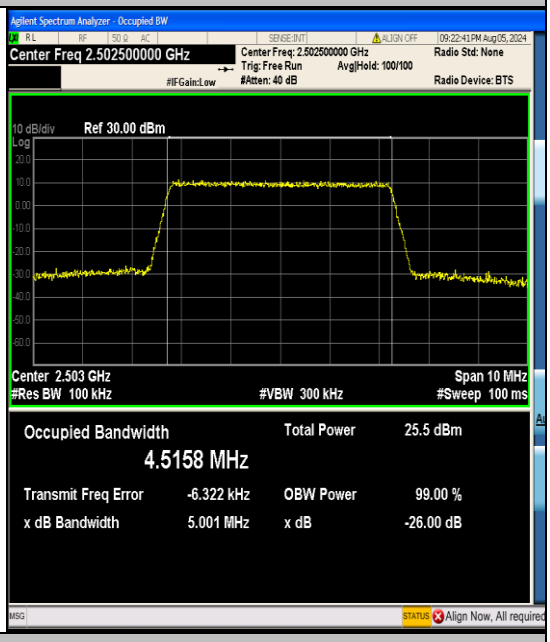
Band7-5MHz-QPSK-20775-25RB#0-PASS



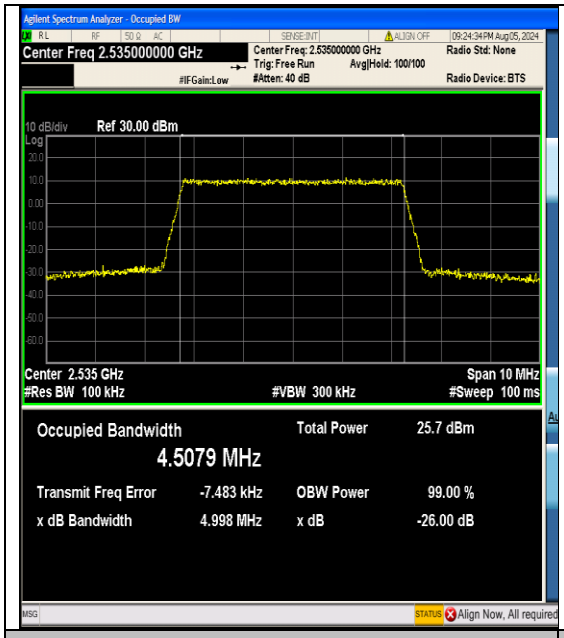
Band7-5MHz-QPSK-21100-25RB#0-PASS



Band7-5MHz-QPSK-21425-25RB#0-PASS



Band7-5MHz-16QAM-20775-25RB#0-PASS



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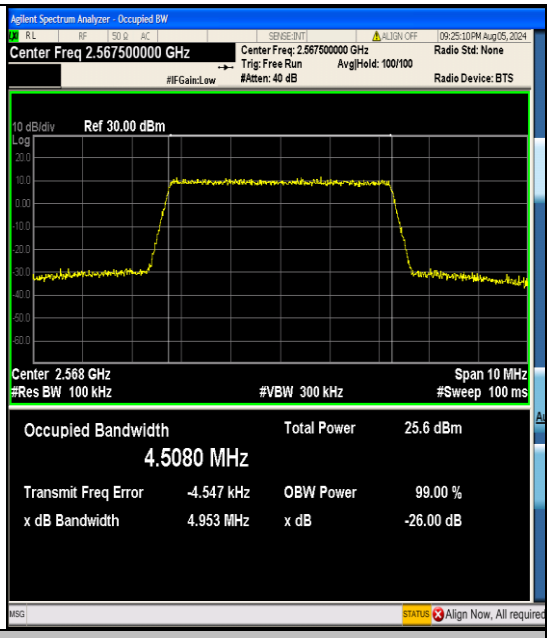

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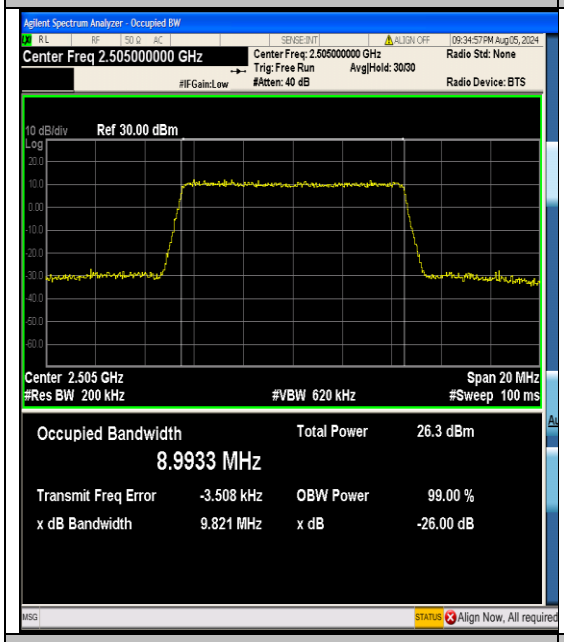
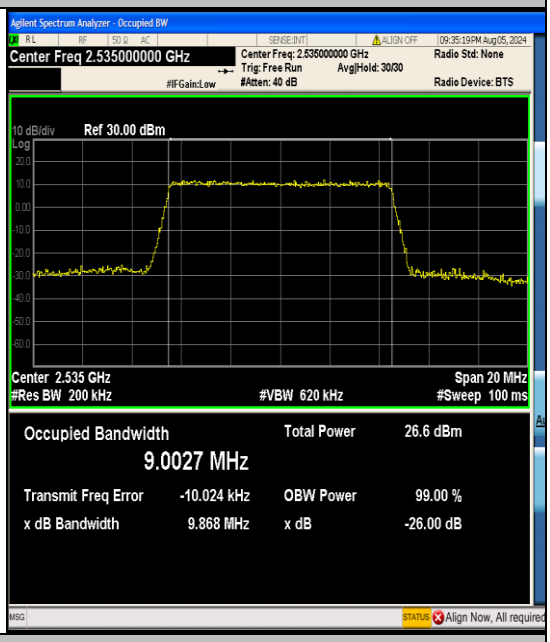


Band7-10MHz-QPSK-20800-50RB#0-PASS



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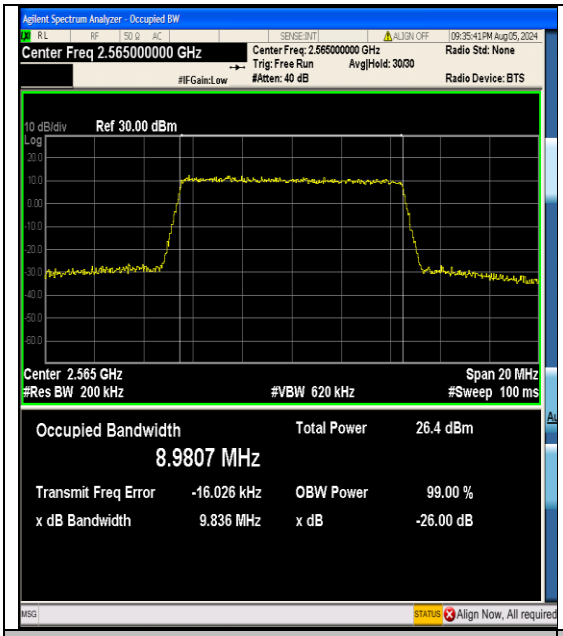
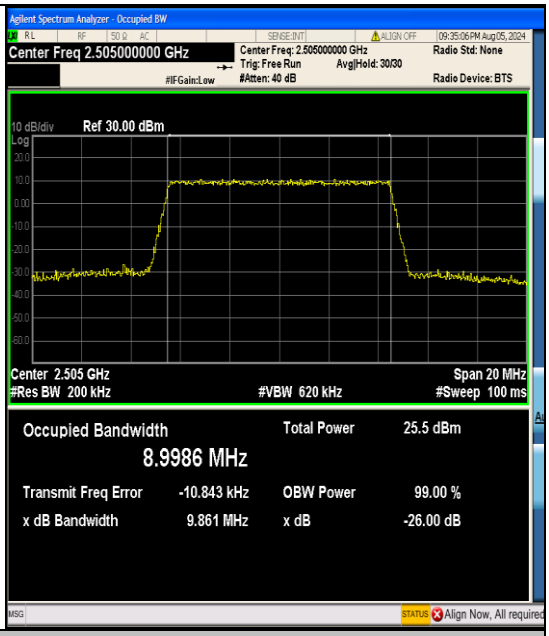
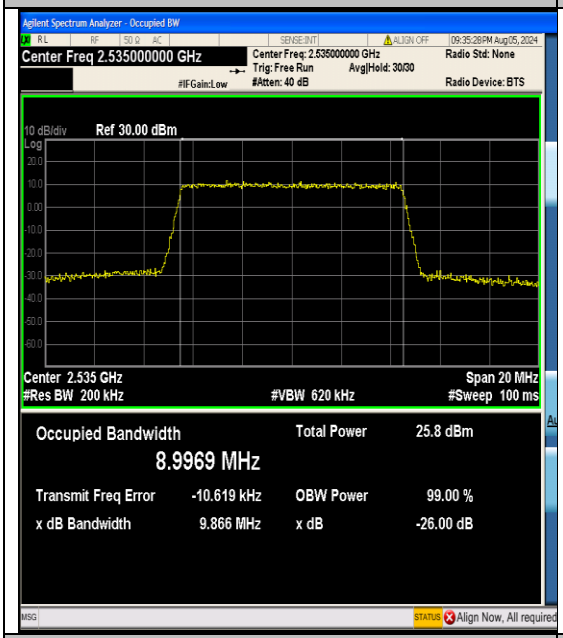


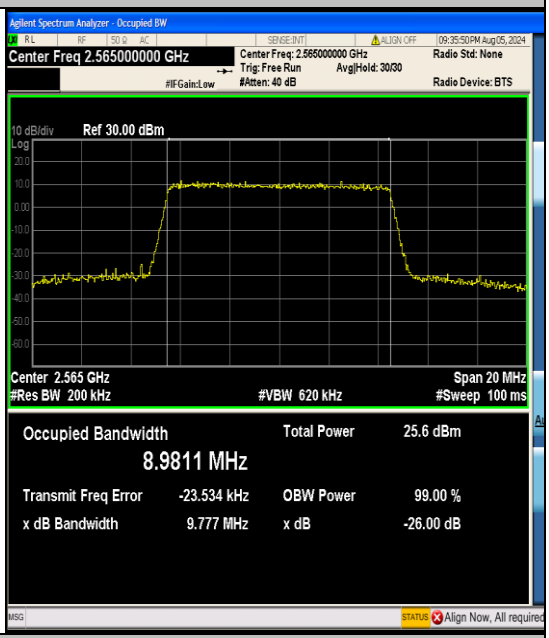
Band7-10MHz-QPSK-21400-50RB#0-PASS



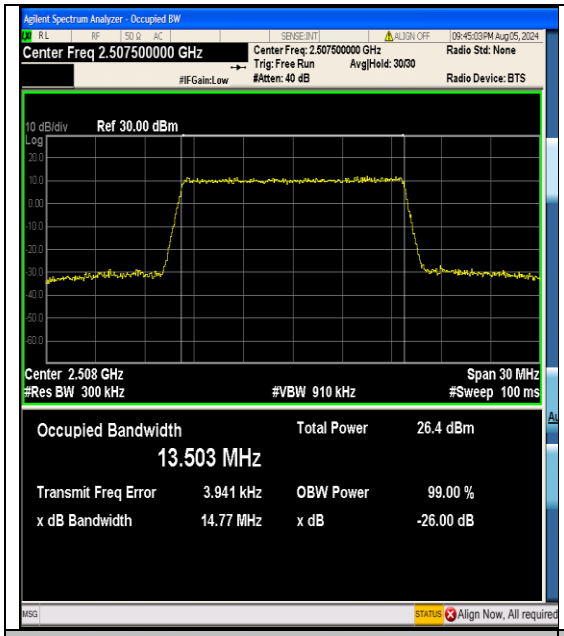
Band7-10MHz-16QAM-20800-50RB#0-PASS



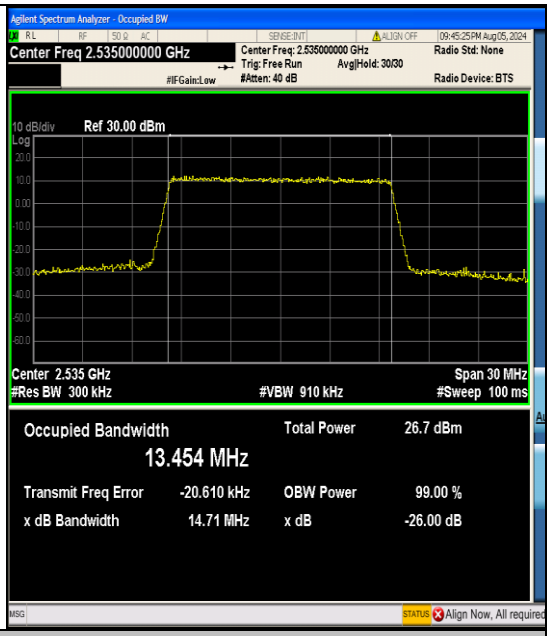
Band7-10MHz-16QAM-21100-50RB#0-PASS



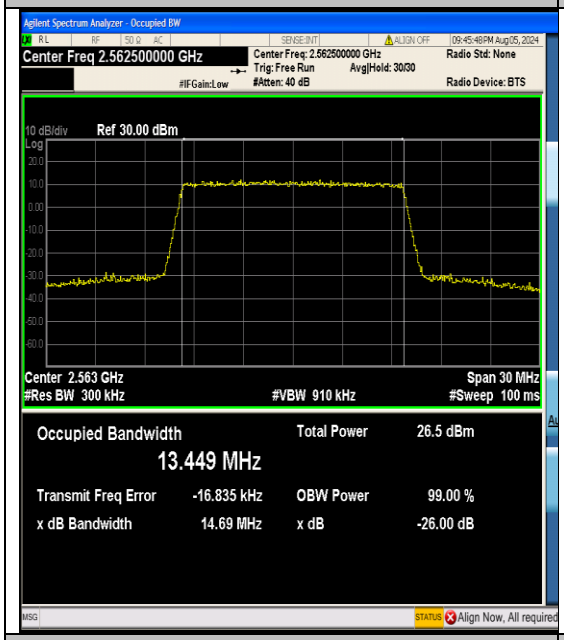
Band7-10MHz-16QAM-21400-50RB#0-PASS



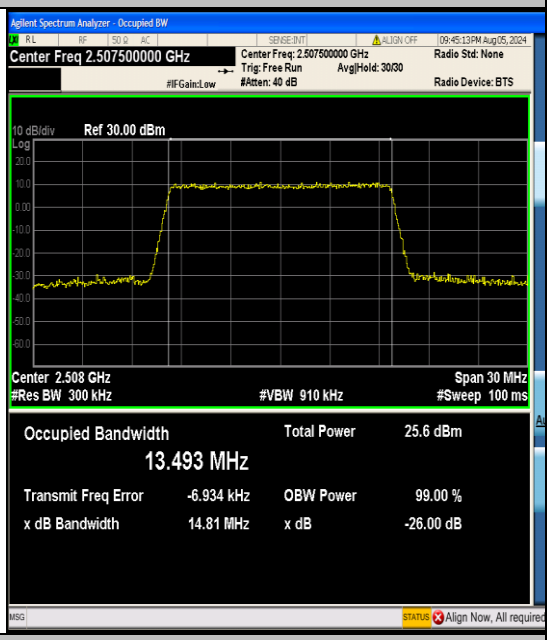
Band7-15MHz-QPSK-20825-75RB#0-PASS



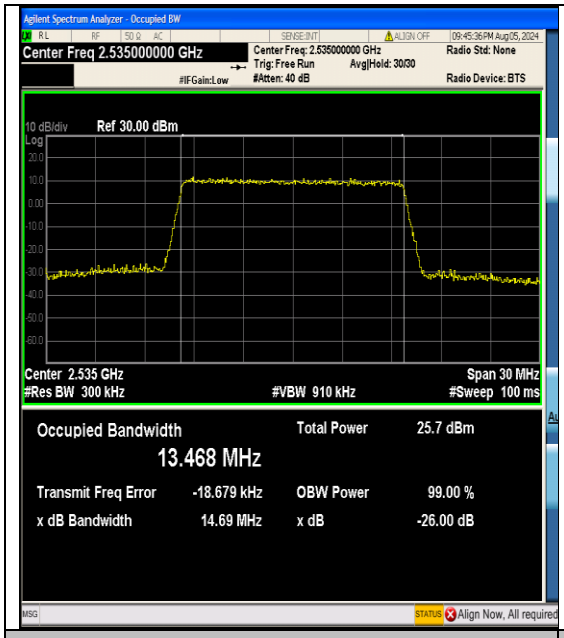
Band7-15MHz-QPSK-21100-75RB#0-PASS



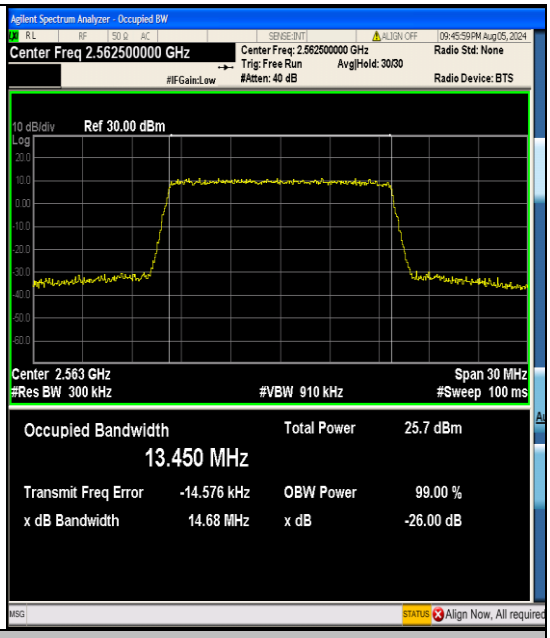
Band7-15MHz-QPSK-21375-75RB#0-PASS



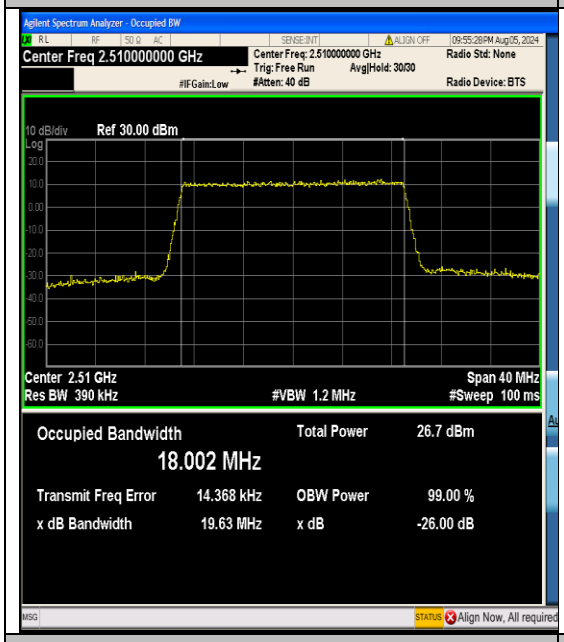
Band7-15MHz-16QAM-20825-75RB#0-PASS



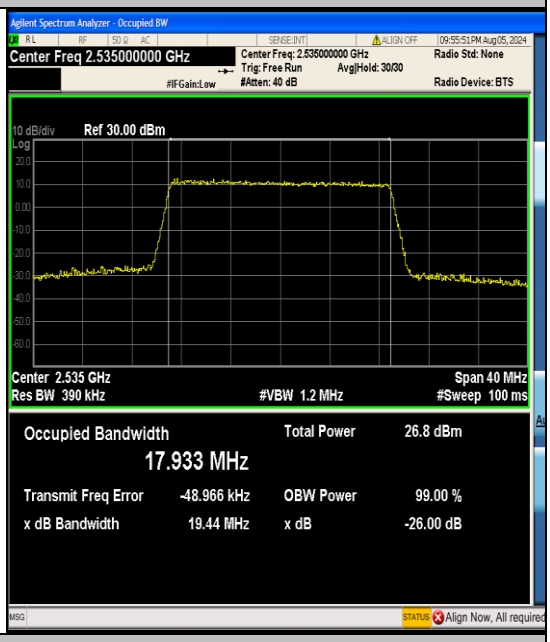
Band7-15MHz-16QAM-21100-75RB#0-PASS



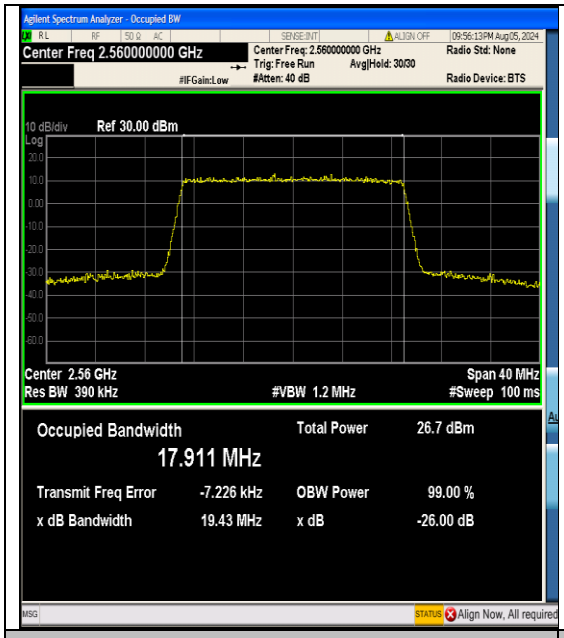
Band7-15MHz-16QAM-21375-75RB#0-PASS



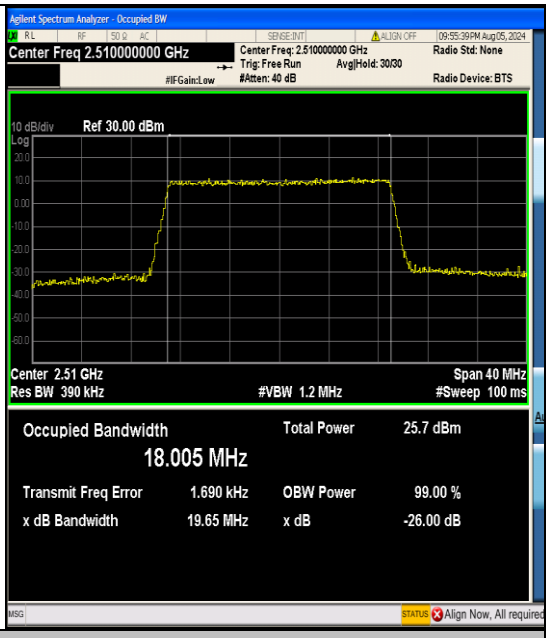
Band7-20MHz-QPSK-20850-100RB#0-PASS



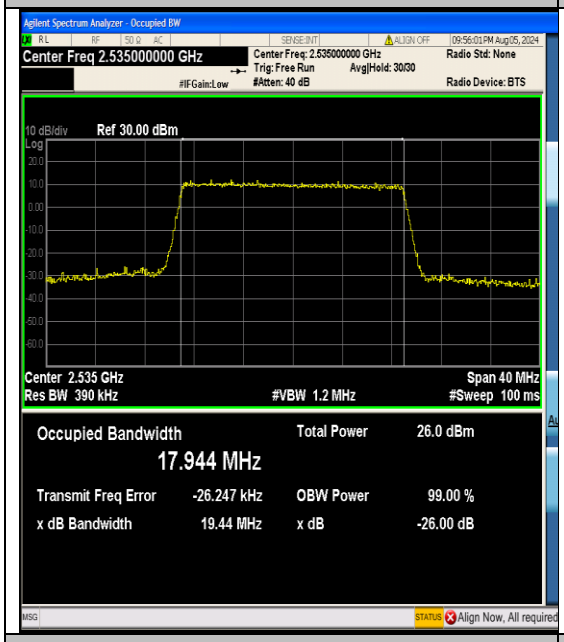
Band7-20MHz-QPSK-21100-100RB#0-PASS



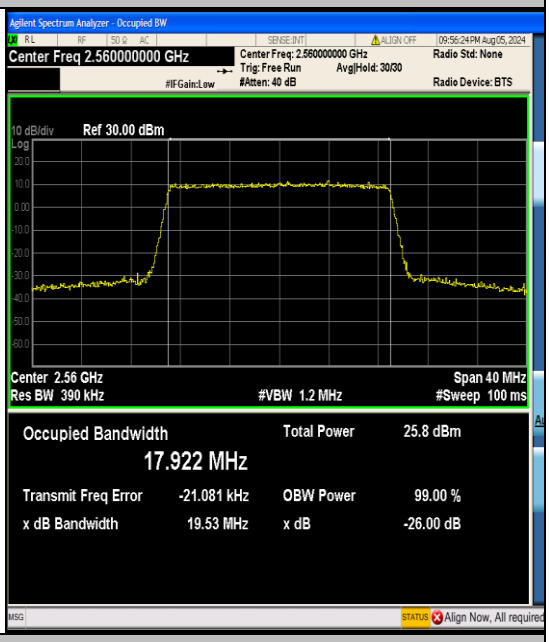
Band7-20MHz-QPSK-21350-100RB#0-PASS



Band7-20MHz-16QAM-20850-100RB#0-PASS



Band7-20MHz-16QAM-21100-100RB#0-PASS



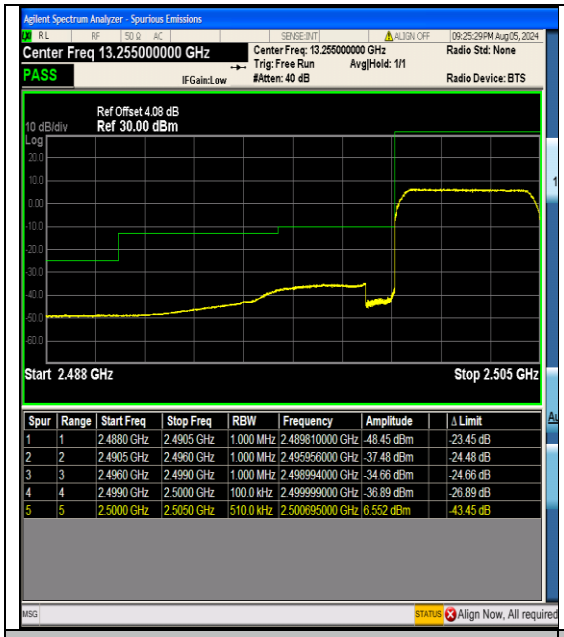
Band7-20MHz-16QAM-21350-100RB#0-PASS

Appendix D: Band Edge

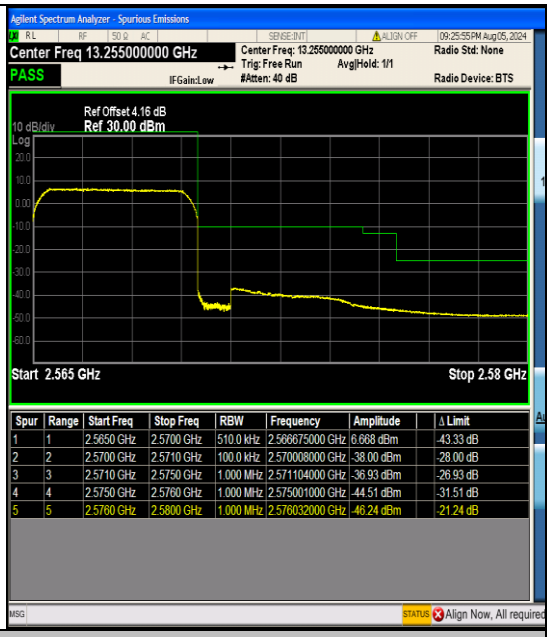
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-48.45	PASS
Band7	5MHz	QPSK	21425	25RB#0	-46.24	PASS
Band7	5MHz	16QAM	20775	25RB#0	-48.62	PASS
Band7	5MHz	16QAM	21425	25RB#0	-46.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	-46.34	PASS
Band7	10MHz	QPSK	21400	50RB#0	-46.70	PASS
Band7	10MHz	16QAM	20800	50RB#0	-46.67	PASS
Band7	10MHz	16QAM	21400	50RB#0	-47.10	PASS
Band7	15MHz	QPSK	20825	75RB#0	-48.07	PASS
Band7	15MHz	QPSK	21375	75RB#0	-47.36	PASS
Band7	15MHz	16QAM	20825	75RB#0	-48.11	PASS
Band7	15MHz	16QAM	21375	75RB#0	-47.50	PASS
Band7	20MHz	QPSK	20850	100RB#0	-48.79	PASS
Band7	20MHz	QPSK	21350	100RB#0	-48.05	PASS
Band7	20MHz	16QAM	20850	100RB#0	-48.80	PASS
Band7	20MHz	16QAM	21350	100RB#0	-48.03	PASS

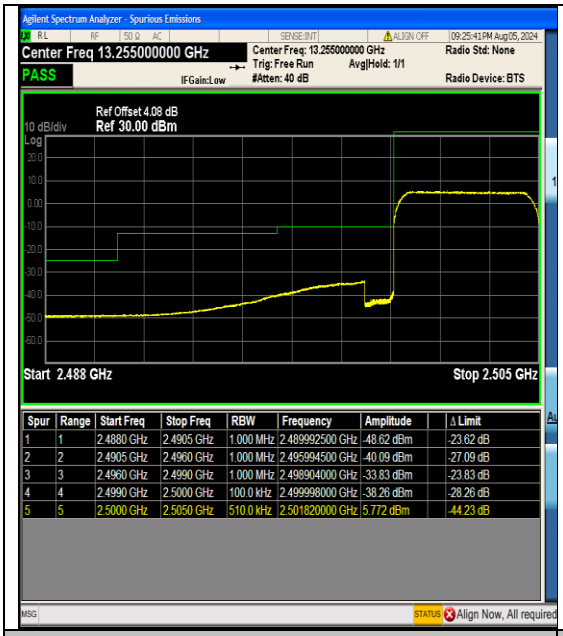
Test Graphs



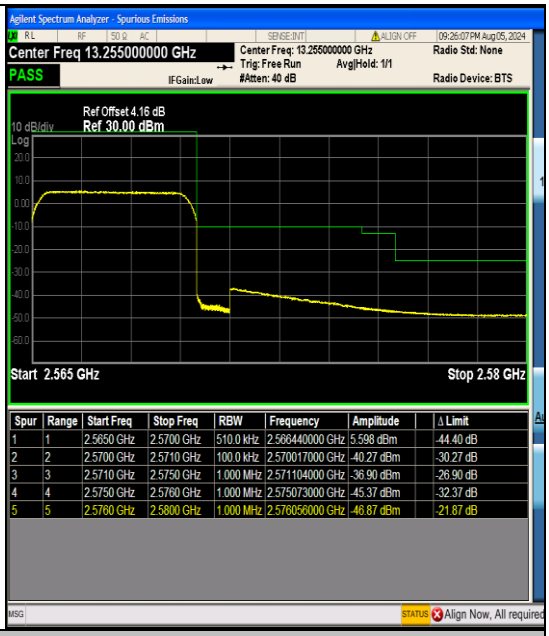
Band7_5MHz_QPSK_20775_25RB#0



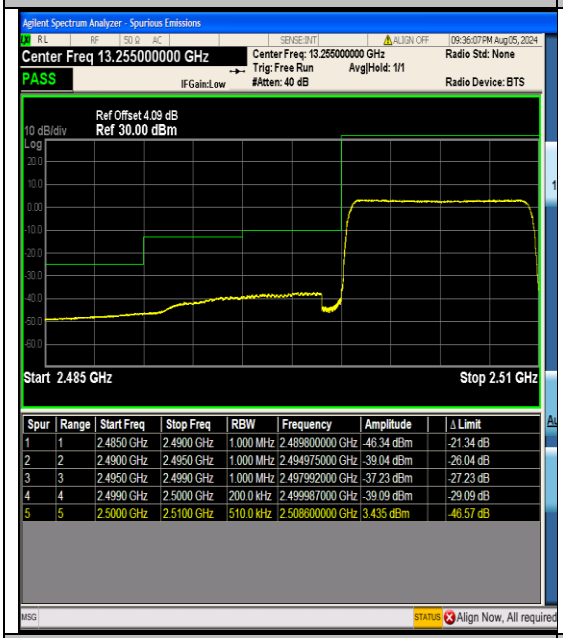
Band7_5MHz_QPSK_21425_25RB#0



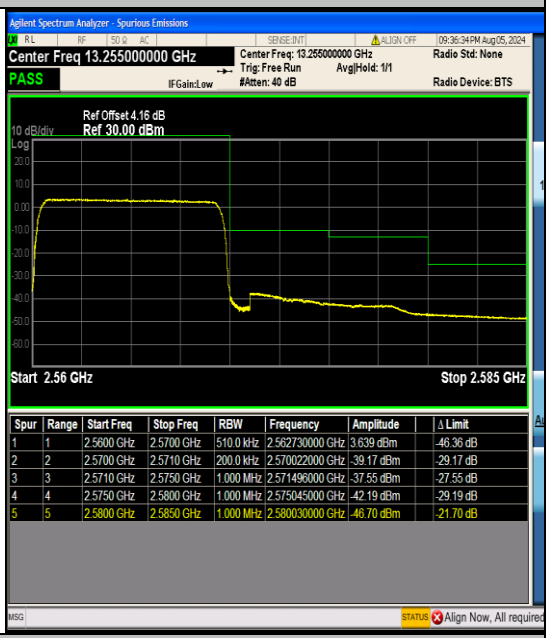
Band7_5MHz_16QAM_20775_25RB#0



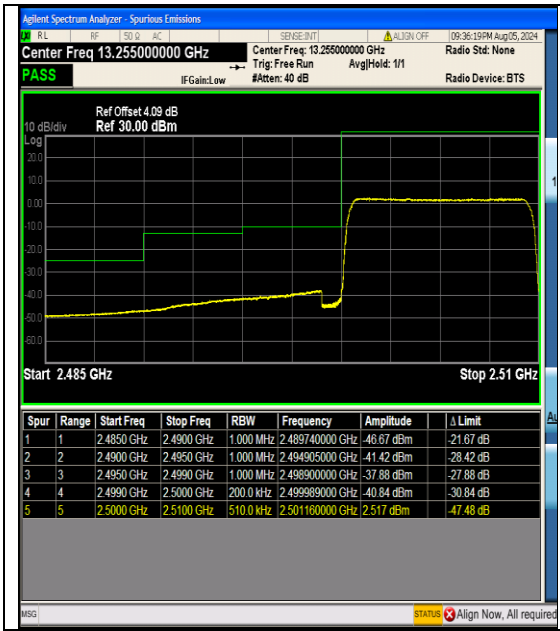
Band7_5MHz_16QAM_21425_25RB#0



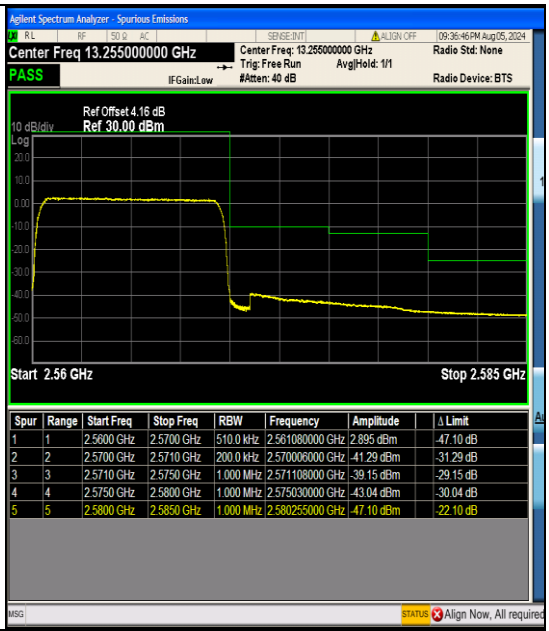
Band7_10MHz_QPSK_20800_50RB#0



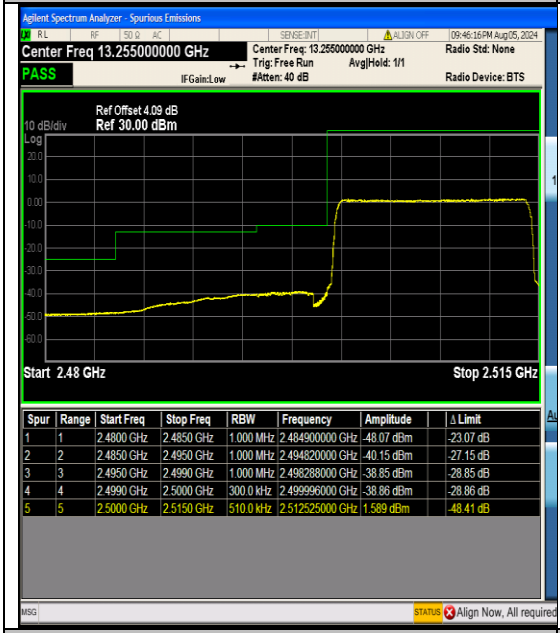
Band7_10MHz_QPSK_21400_50RB#0



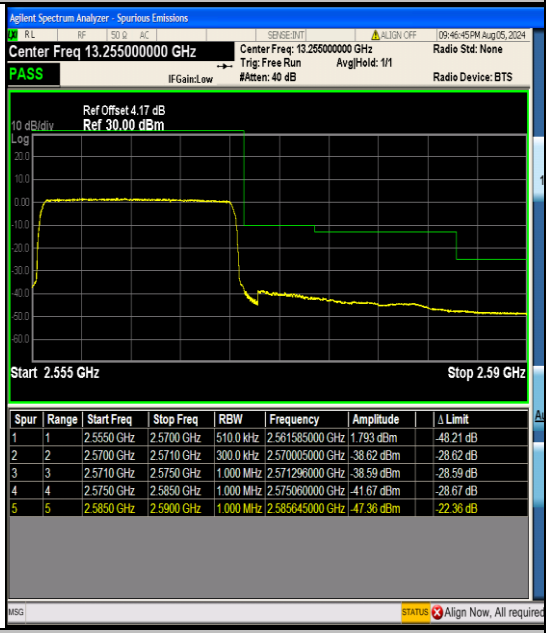
Band7_10MHz_16QAM_20800_50RB#0



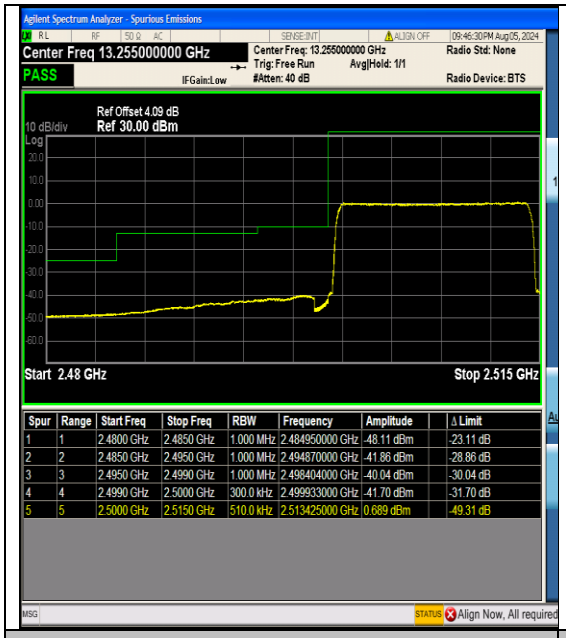
Band7_10MHz_16QAM_21400_50RB#0



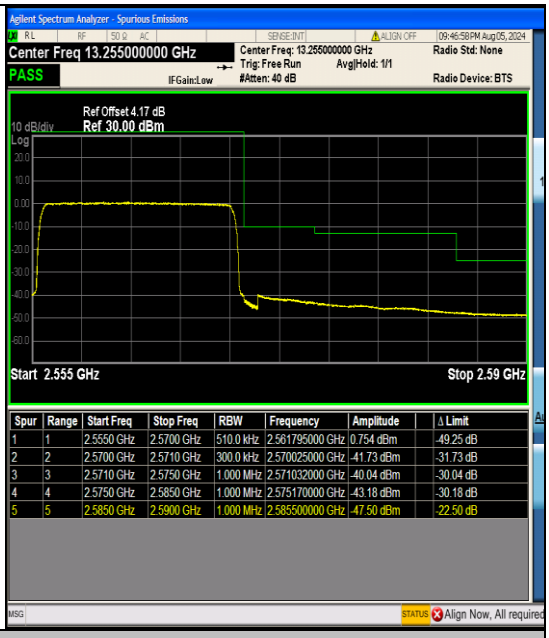
Band7_15MHz_QPSK_20825_75RB#0



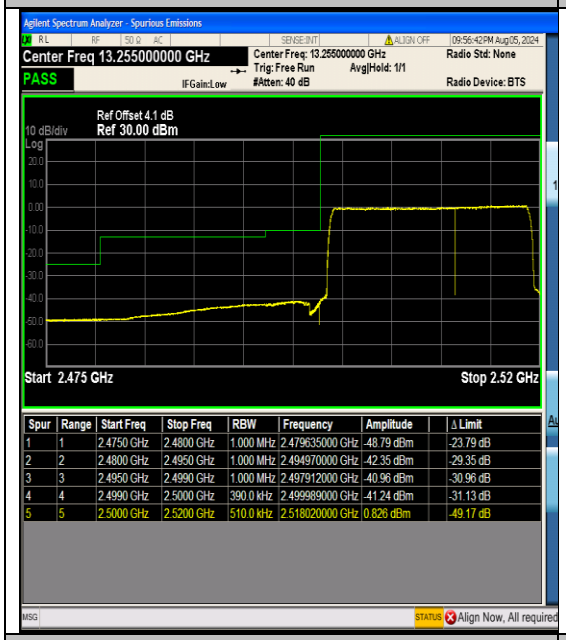
Band7_15MHz_QPSK_21375_75RB#0



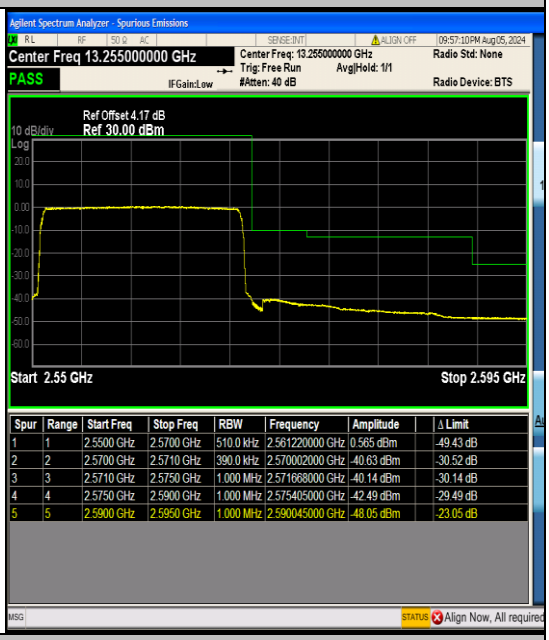
Band7_15MHz_16QAM_20825_75RB#0



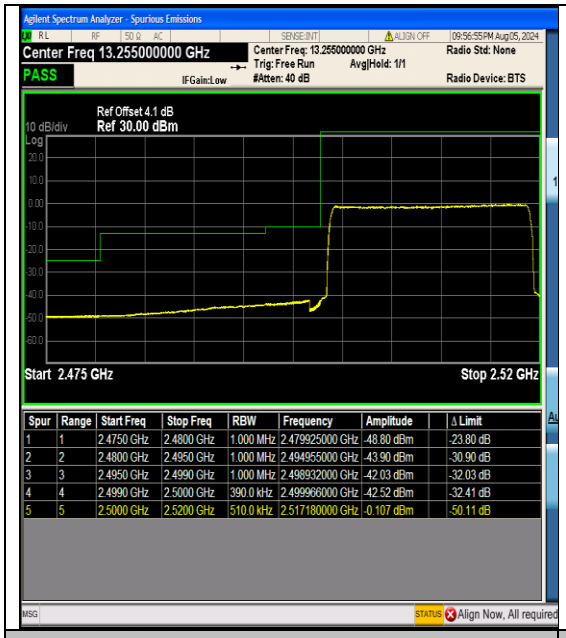
Band7_15MHz_16QAM_21375_75RB#0



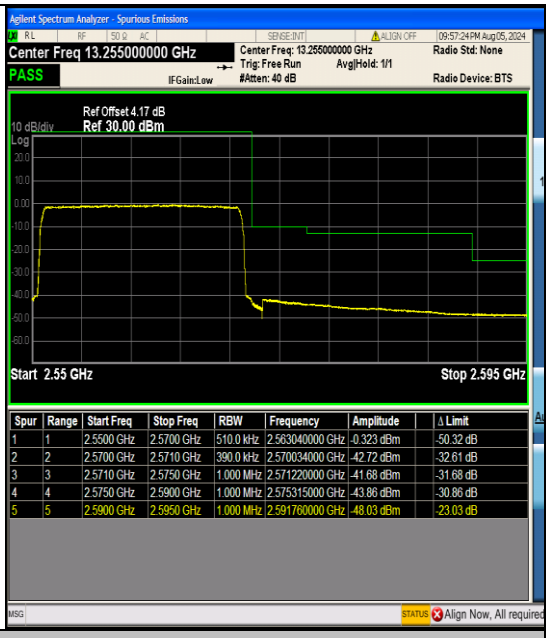
Band7_20MHz_QPSK_20850_100RB#0



Band7_20MHz_QPSK_21350_100RB#0



Band7_20MHz_16QAM_20850_100RB#0



Band7_20MHz_16QAM_21350_100RB#0

Appendix E: Conducted Spurious Emission

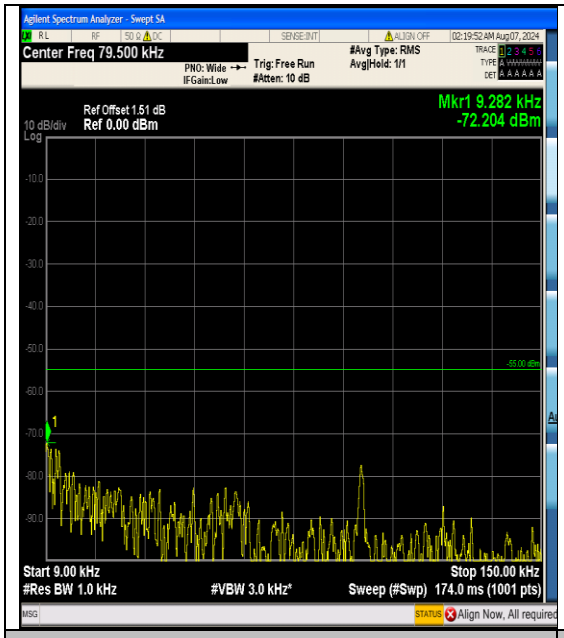
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	0.009~0.15	-72.20	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-67.43	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-66.60	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-46.06	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-39.64	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-74.64	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-69.45	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-66.40	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-45.58	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-39.91	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-73.48	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-68.47	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-66.58	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-46.11	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-39.67	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-73.95	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-68.03	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-66.40	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-46.11	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-39.59	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-74.75	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-68.94	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-66.49	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-46.01	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-39.43	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-75.64	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-67.12	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-66.56	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-46.24	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-39.76	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-71.59	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-68.79	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-66.55	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-46.25	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-39.73	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-73.95	PASS

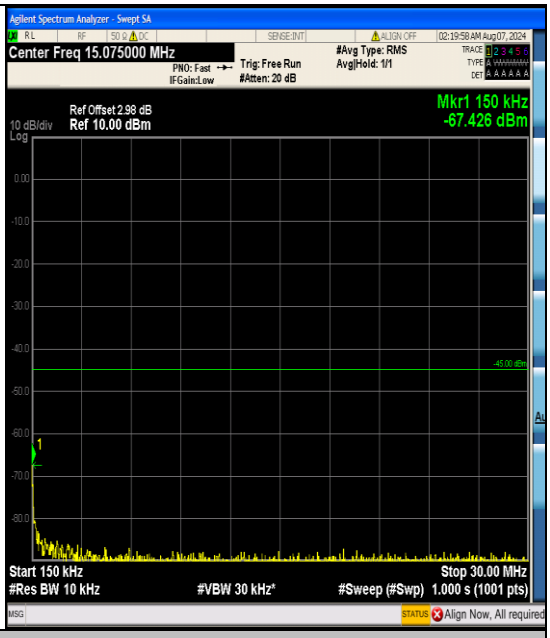
Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-68.61	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-66.67	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-46.10	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-39.64	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-74.10	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-68.15	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-66.63	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-46.21	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-39.89	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-74.26	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-68.39	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-66.65	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-46.23	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-39.64	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-76.20	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-70.36	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-66.50	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-46.07	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-39.10	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-72.63	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-66.92	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-66.72	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-46.42	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-39.70	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-74.29	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-67.09	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-66.92	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-46.37	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-39.54	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-75.32	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-68.70	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-66.51	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-46.11	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-39.66	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-71.87	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-67.12	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-66.42	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-46.18	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-39.37	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-73.45	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-68.57	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-66.56	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-46.43	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-39.66	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-76.76	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-68.15	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-66.87	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-46.17	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-39.68	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-70.89	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-68.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-66.73	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-46.20	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-39.54	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-75.40	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-70.32	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-66.63	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-46.08	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-39.72	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-76.36	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-68.57	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-66.56	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-45.99	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-39.64	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-71.35	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-67.52	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-66.59	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-46.44	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-39.48	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-75.16	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-68.22	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-66.75	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-46.21	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-39.69	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-72.64	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-66.99	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-66.65	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-46.06	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-39.60	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-74.99	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-68.61	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-66.57	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-45.93	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-39.82	PASS

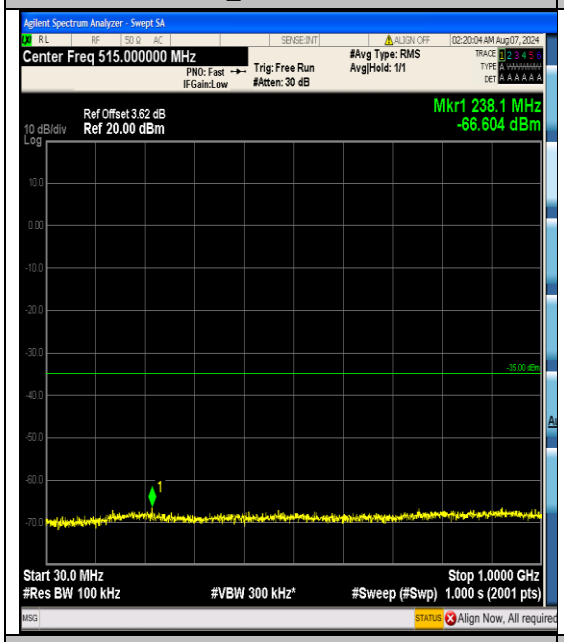
Test Graphs



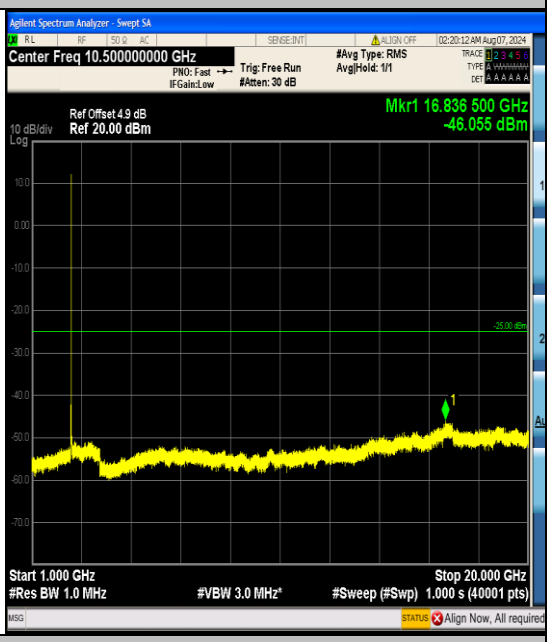
Band7_5MHz_QPSK_20775_25RB#0_0.009~0.15_0.009~0.15



Band7_5MHz_QPSK_20775_25RB#0_0.15~30_0.15~30

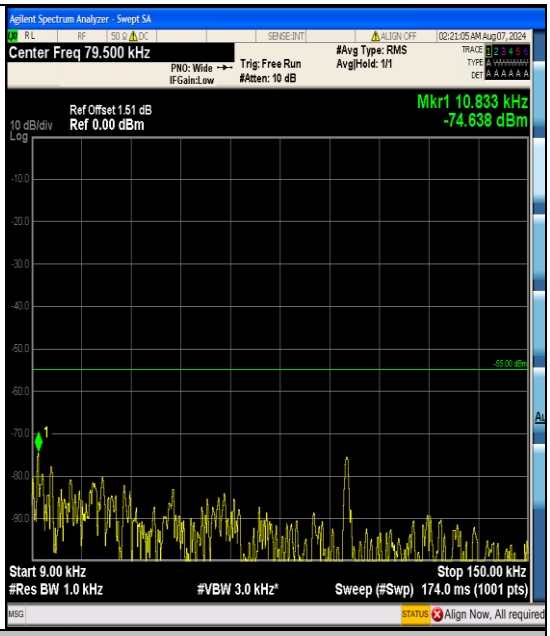


Band7_5MHz_QPSK_20775_25RB#0_30~1000_30~1000

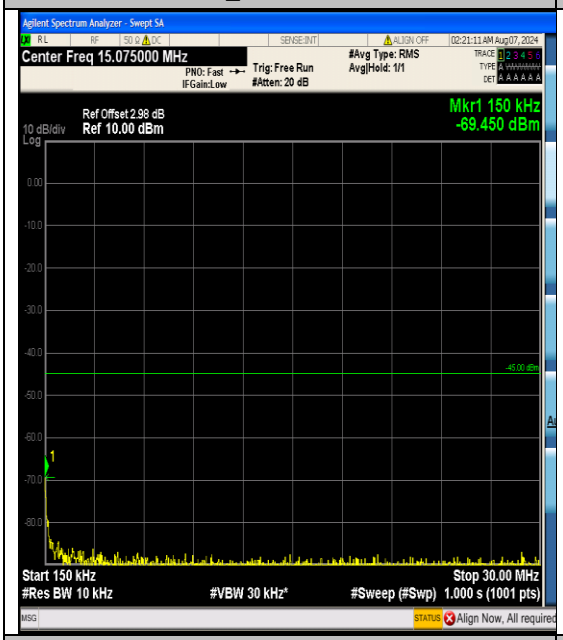


Band7_5MHz_QPSK_20775_25RB#0_1000~20000_1000~20000

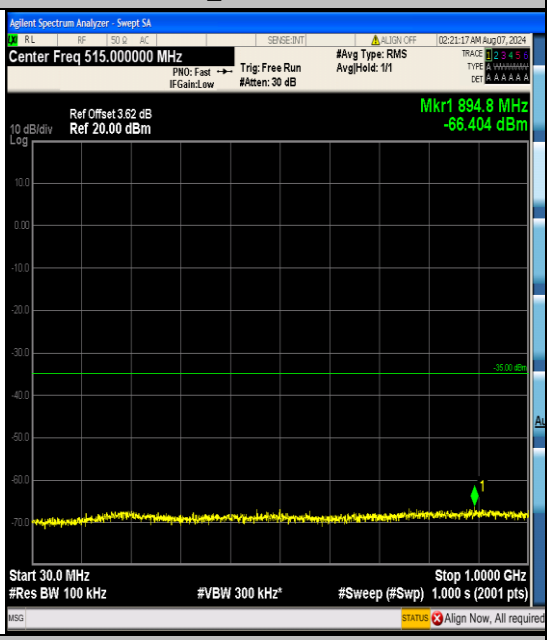
Band7_5MHz_QPSK_20775_25RB#0_20000~27000_20000~27000



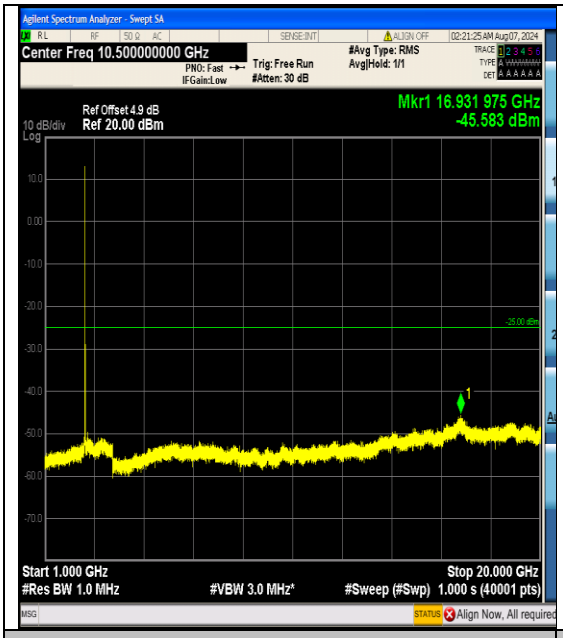
Band7_5MHz_QPSK_21100_25RB#0_0.009~0.15_0.009~0.15



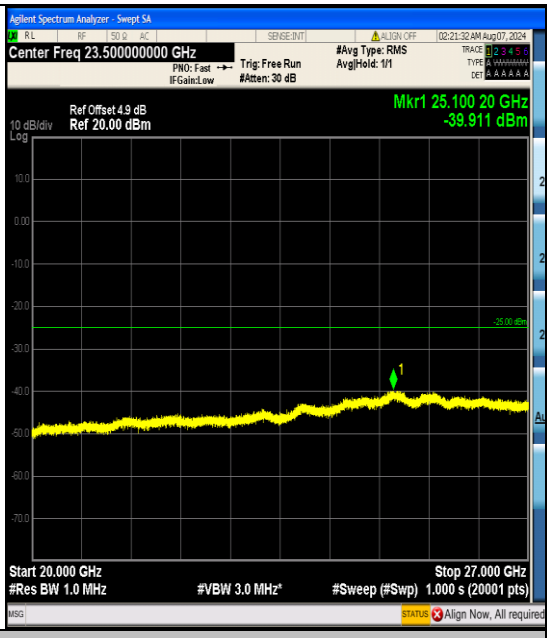
Band7_5MHz_QPSK_21100_25RB#0_0.15~30_0.15~30



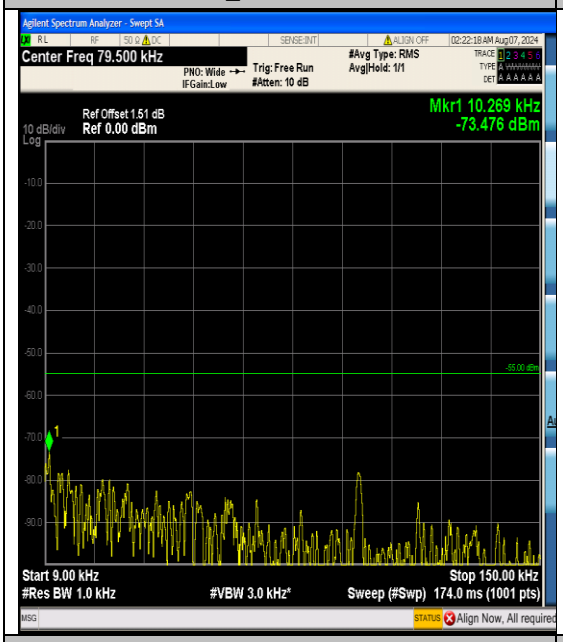
Band7_5MHz_QPSK_21100_25RB#0_30~1000_30~1000



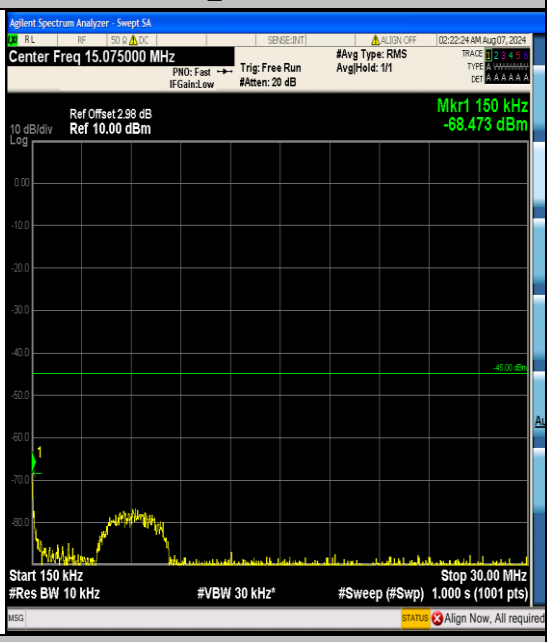
Band7_5MHz_QPSK_21100_25RB#0_1000~20000_1000~20000



Band7_5MHz_QPSK_21100_25RB#0_20000~27000_20000~27000



Band7_5MHz_QPSK_21425_25RB#0_0.009~0.15_0.009~0.15



Band7_5MHz_QPSK_21425_25RB#0_0.15~30_0.15~30