FCC LTE Band Test Data

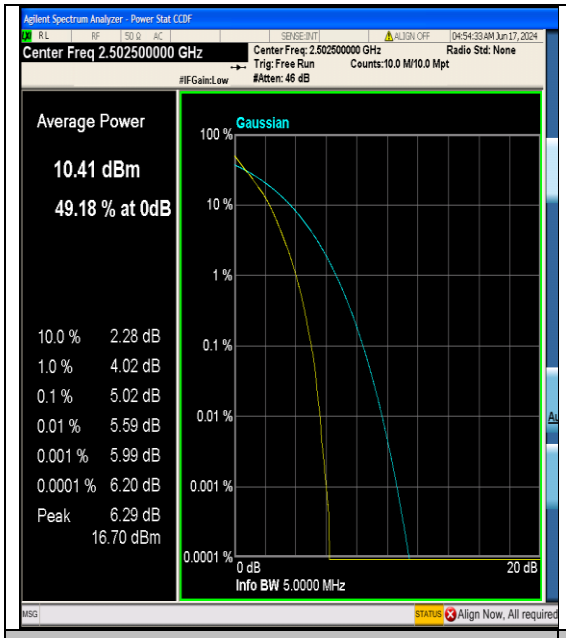
FCC ID	**:**	**2BCQ3FLY100**
Company:	**:**	**A3 MOBILE SAS**
EUT	**:**	**Mobile Phone**
Model Number	**:**	**FY-100**
Reviewed By	**:**	**Eric Wang**

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

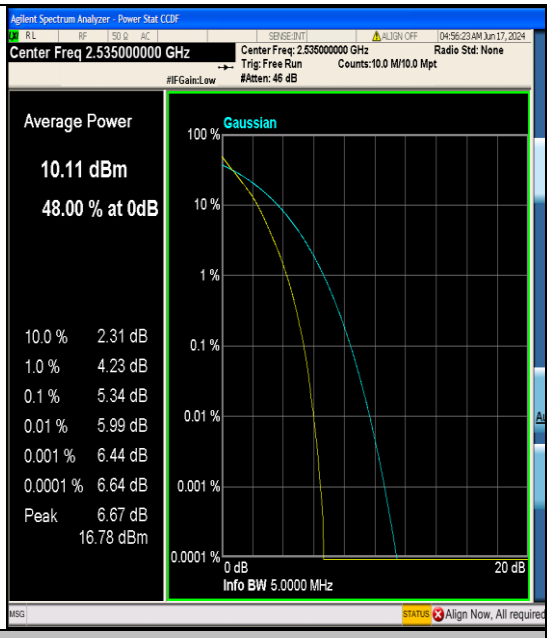
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.02	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.34	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.35	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.64	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.00	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.95	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.13	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.29	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.42	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.79	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.95	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.12	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.63	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.57	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.82	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.10	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.04	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.28	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.51	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.23	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.64	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.99	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.29	13	PASS

Test Graphs



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



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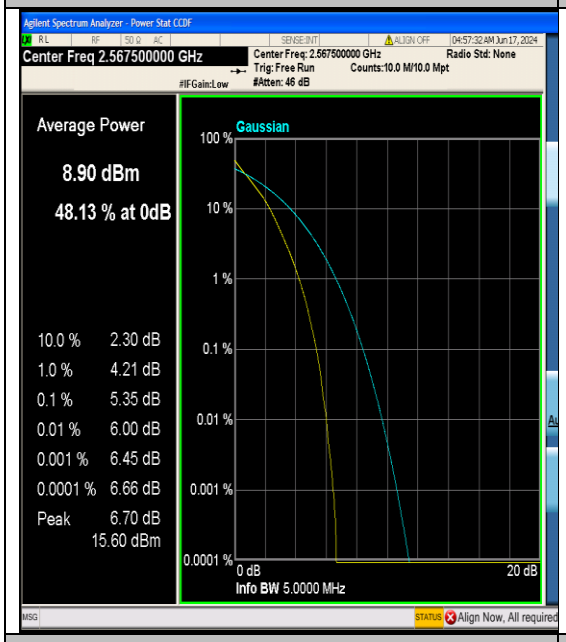

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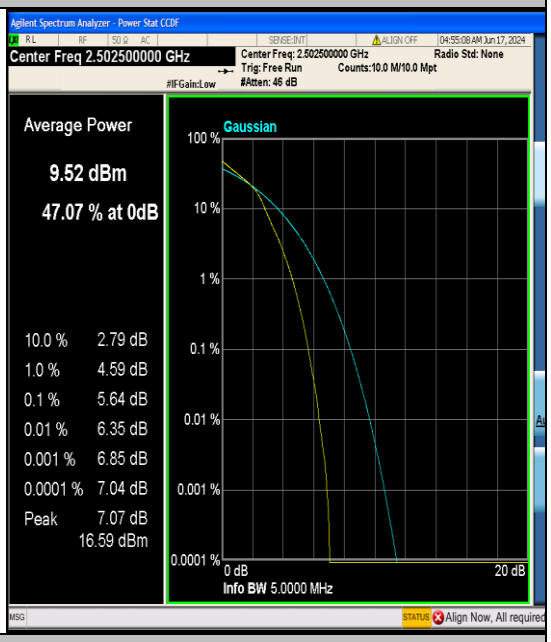
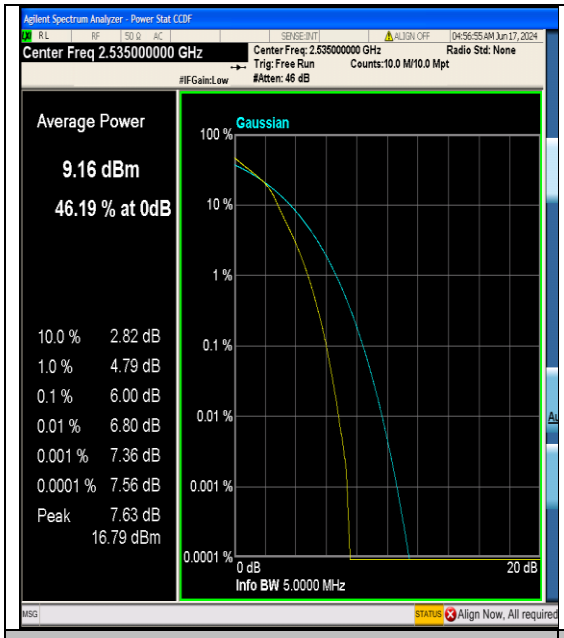


Band7-5MHz-16QAM-20775-25RB#0-PASS



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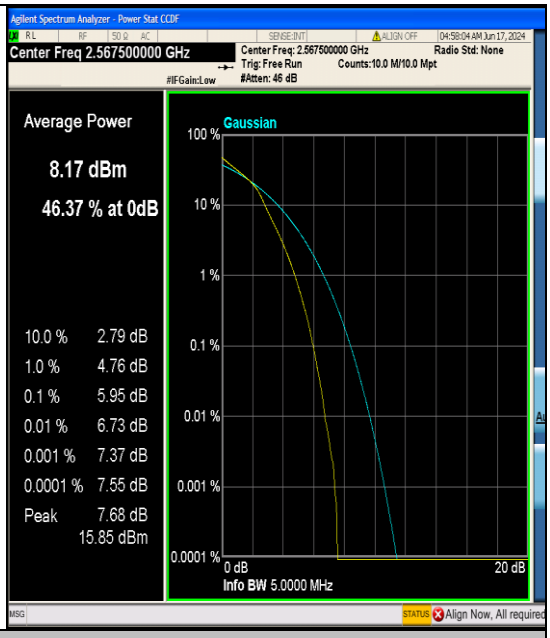

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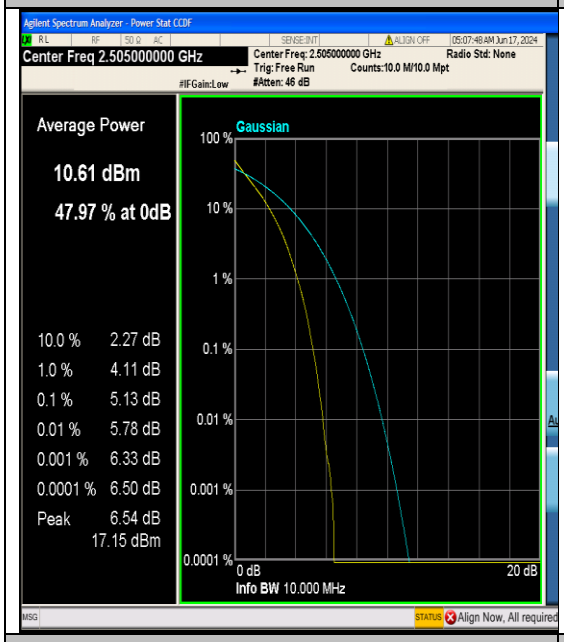
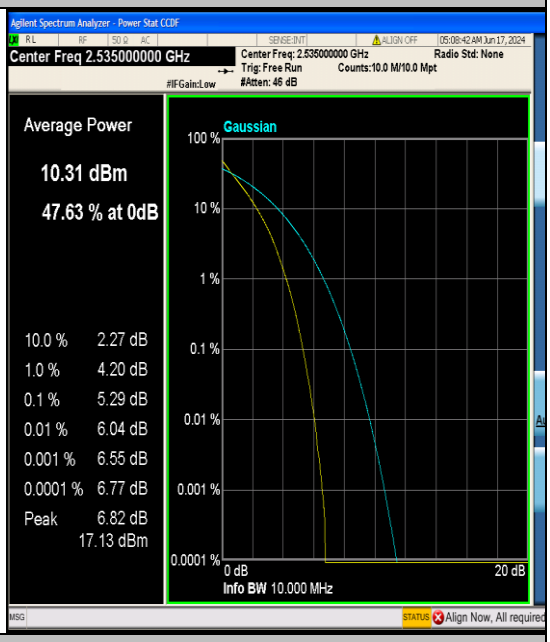


Band7-10MHz-QPSK-20800-50RB#0-PASS



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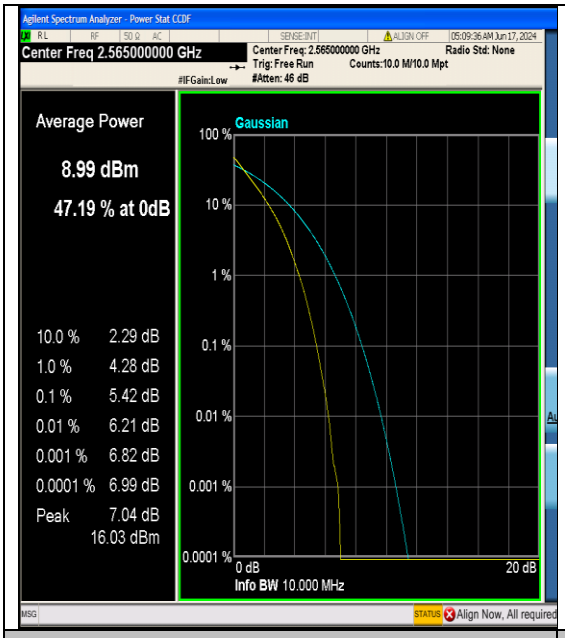

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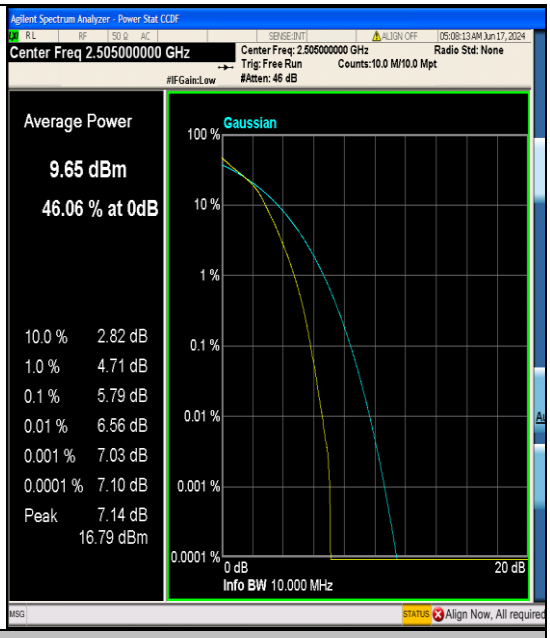

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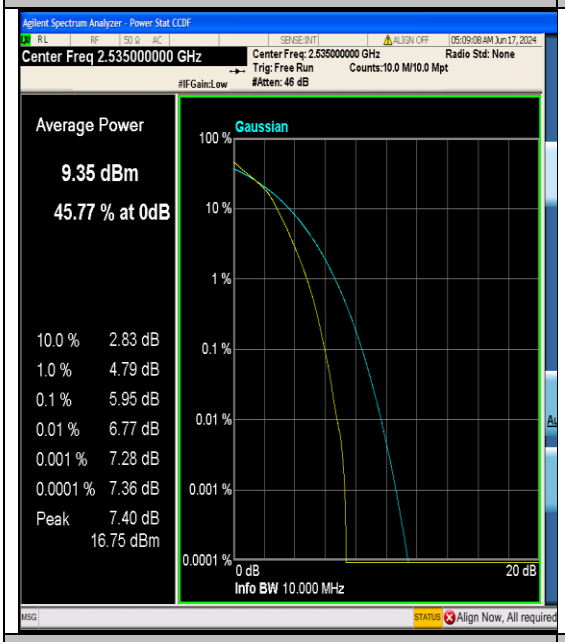

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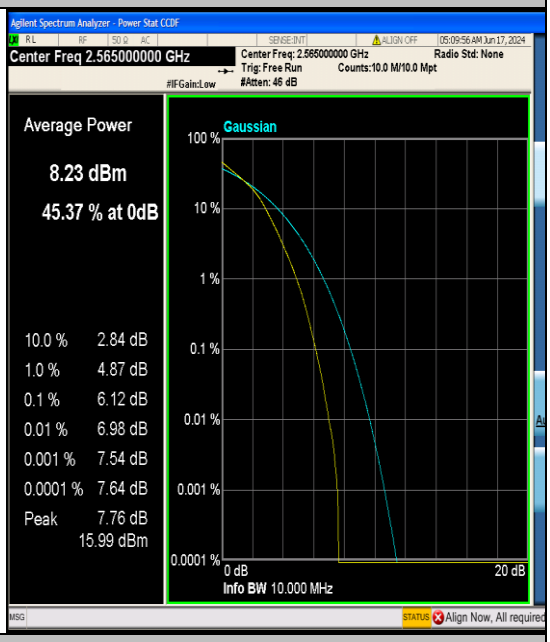

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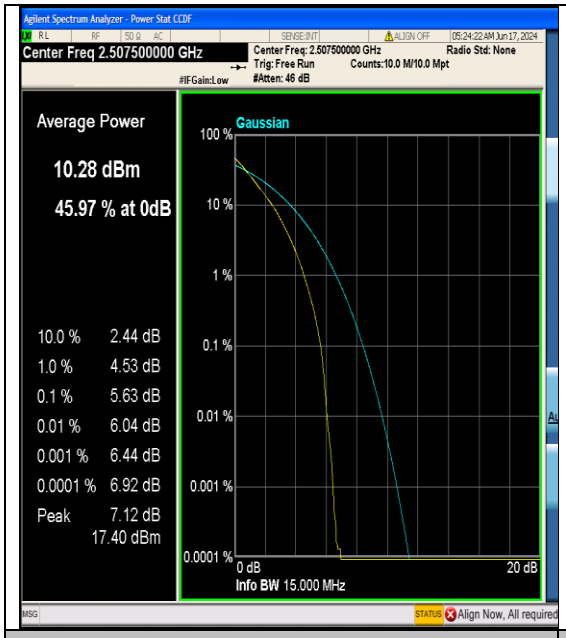
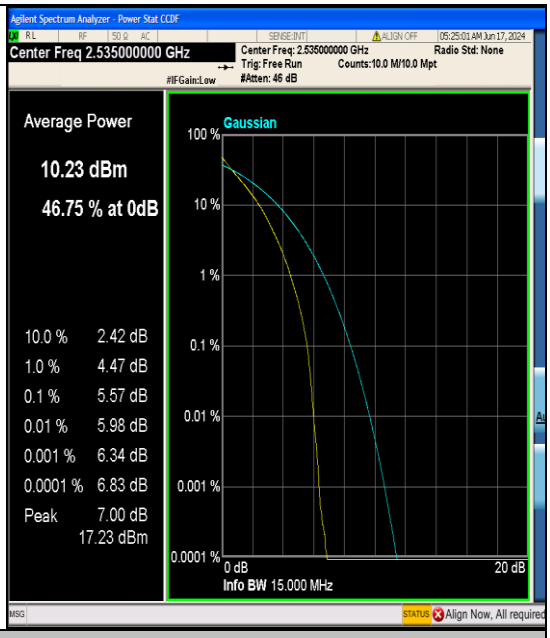
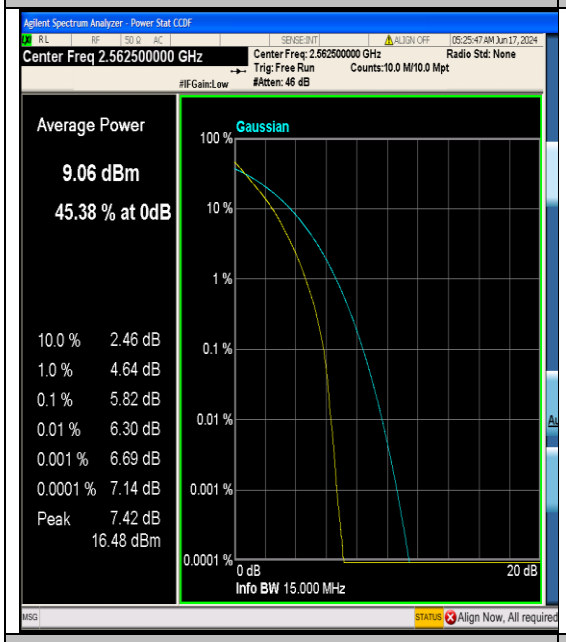


Band7-15MHz-QPSK-20825-75RB#0-PASS



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



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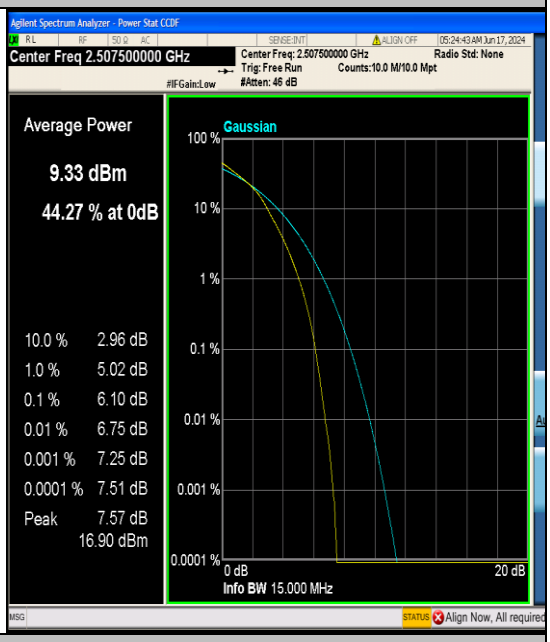

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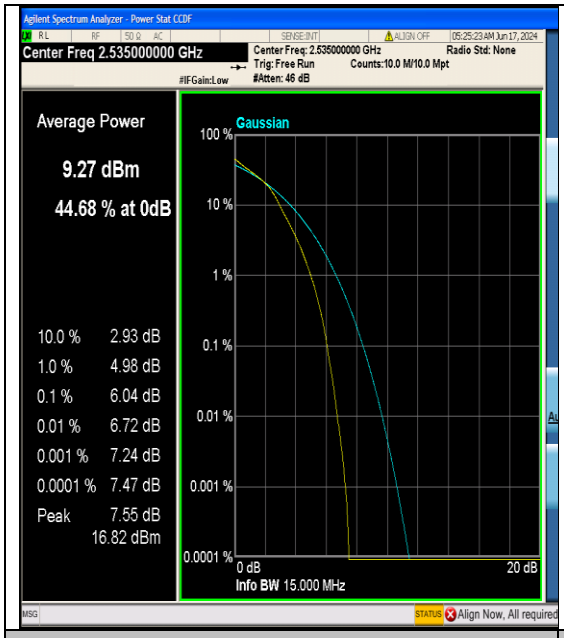

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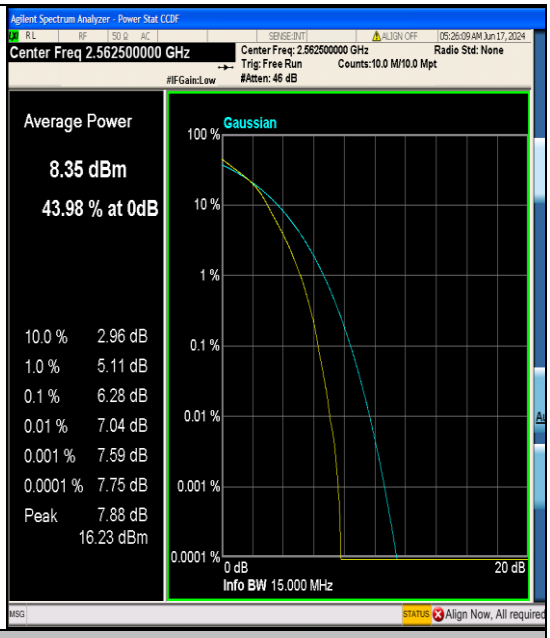

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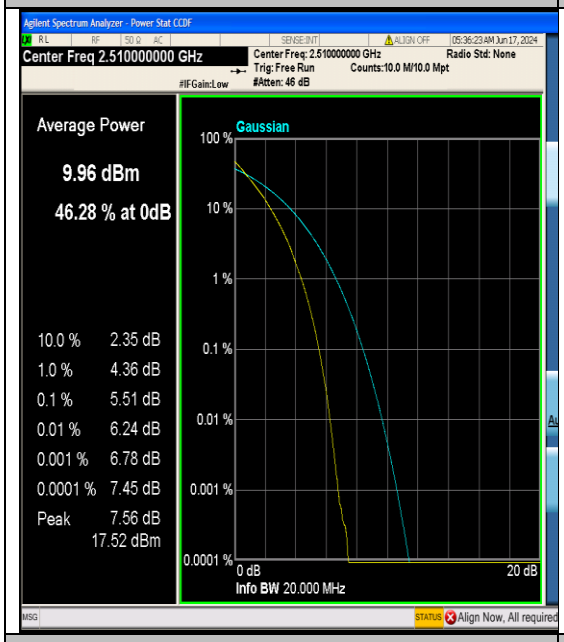
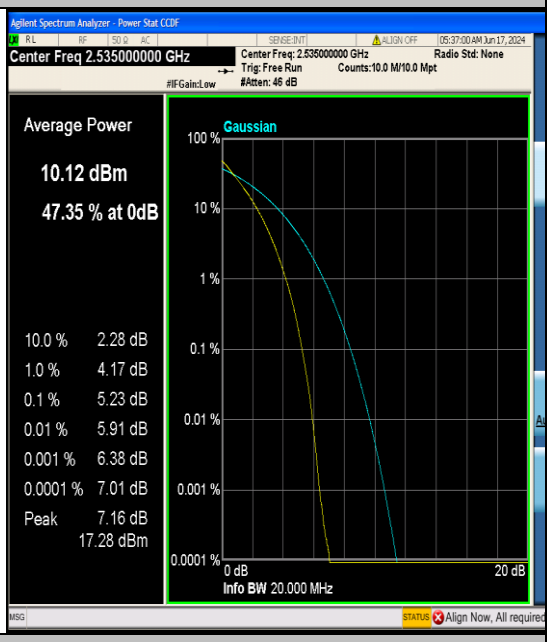
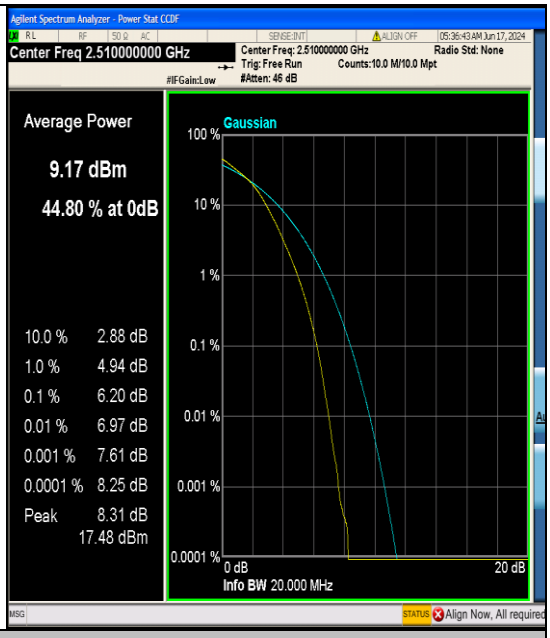


Band7-20MHz-QPSK-20850-100RB#0-PASS



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

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



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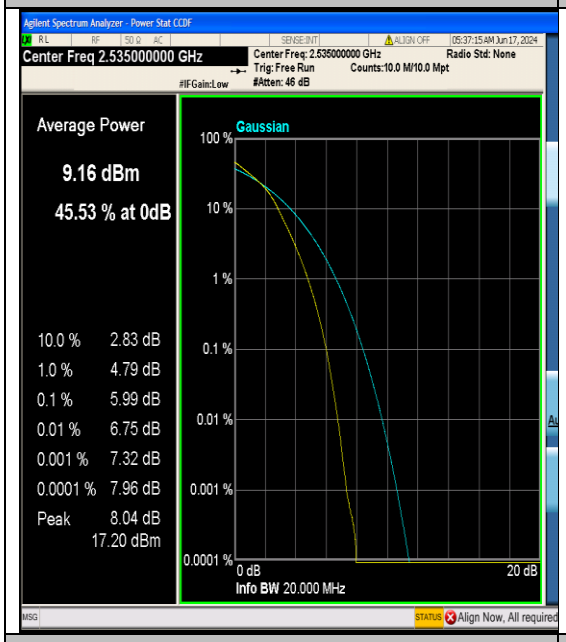

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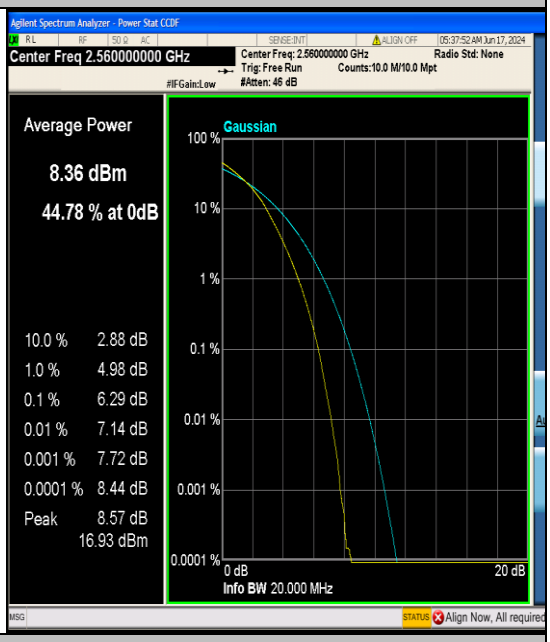


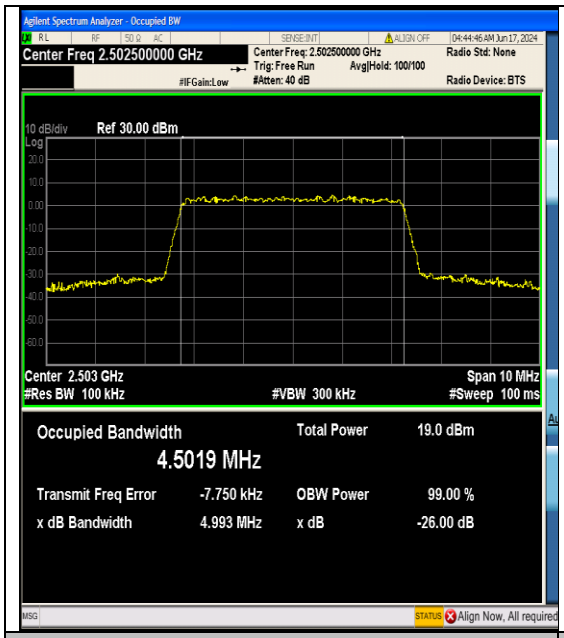
Band7-20MHz-16QAM-21350-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

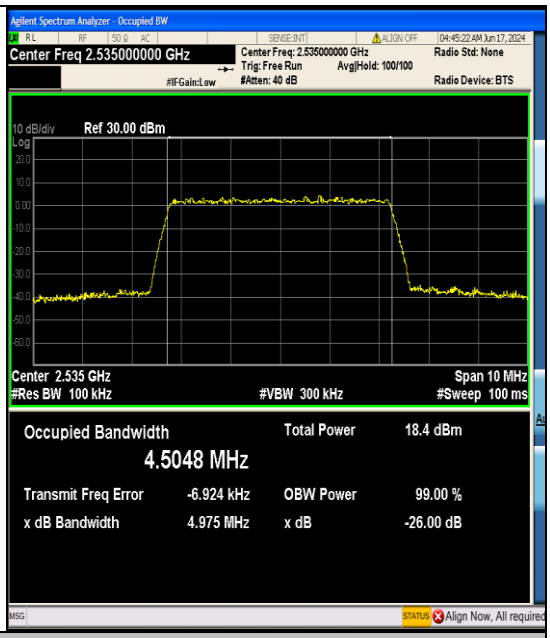
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5019	4.993	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5048	4.975	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5059	4.976	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5007	4.968	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5042	4.977	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5024	4.959	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0014	9.921	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9875	9.944	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9817	9.870	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9928	9.912	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9861	9.878	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9711	9.892	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.488	15.01	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.490	14.93	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.510	15.01	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.496	14.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.481	14.99	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.524	14.91	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.997	19.63	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.947	19.58	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.060	19.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.045	19.64	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.985	19.72	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.032	19.84	PASS

Test Graphs



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



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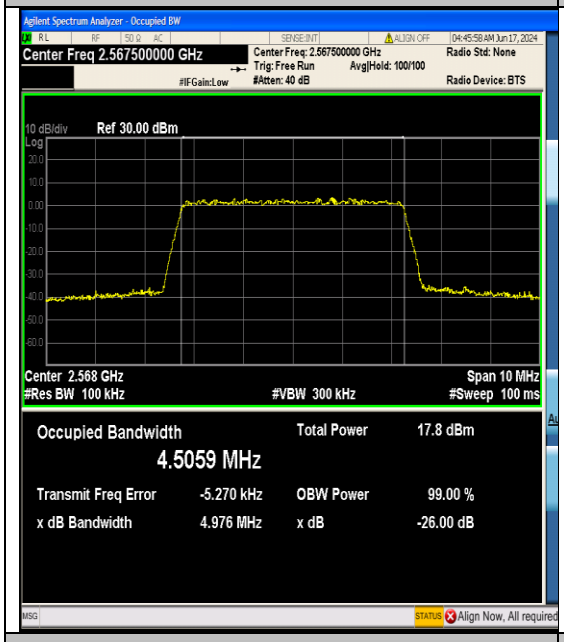
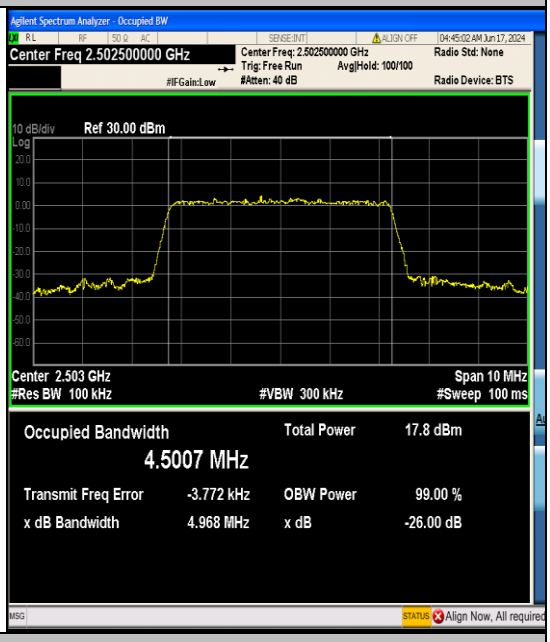
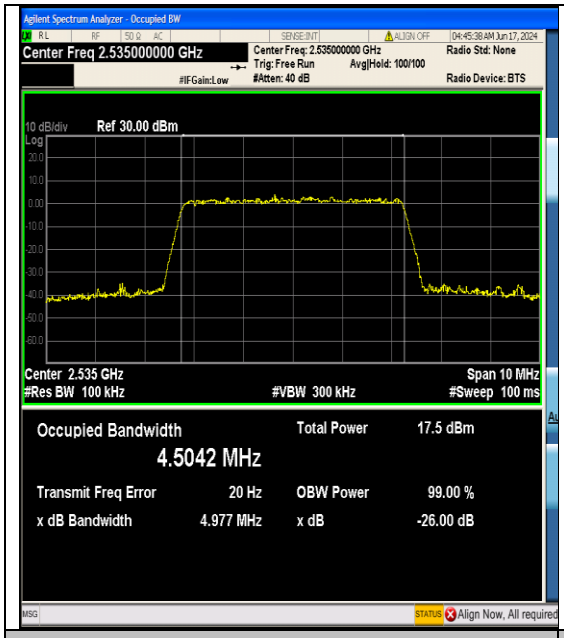


Band7-5MHz-QPSK-21425-25RB#0-PASS



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



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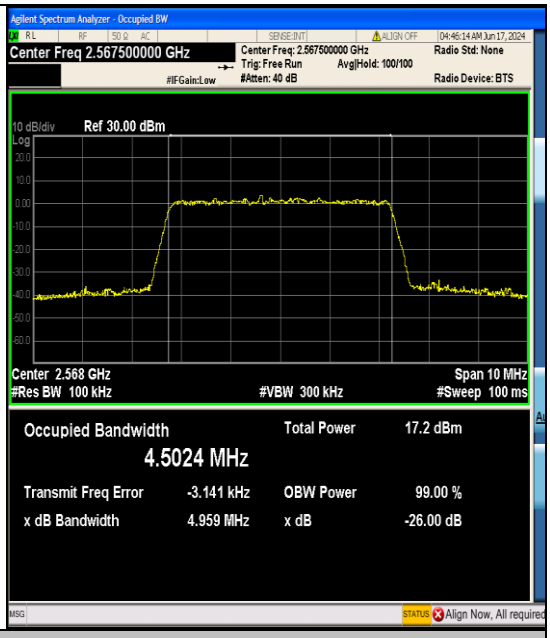

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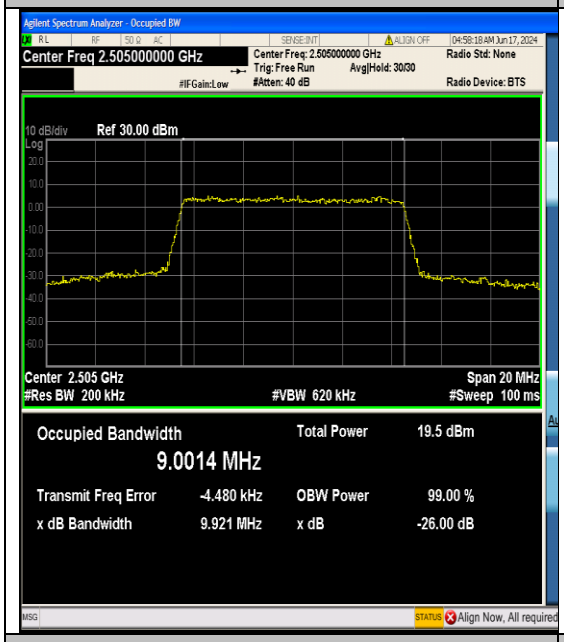
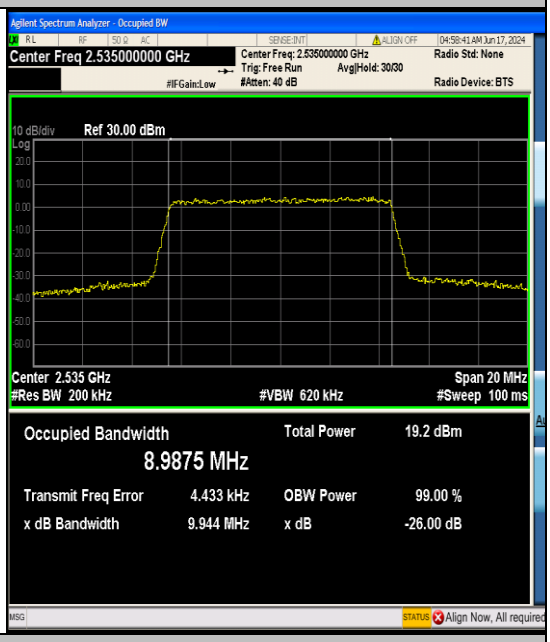


Band7-10MHz-QPSK-20800-50RB#0-PASS



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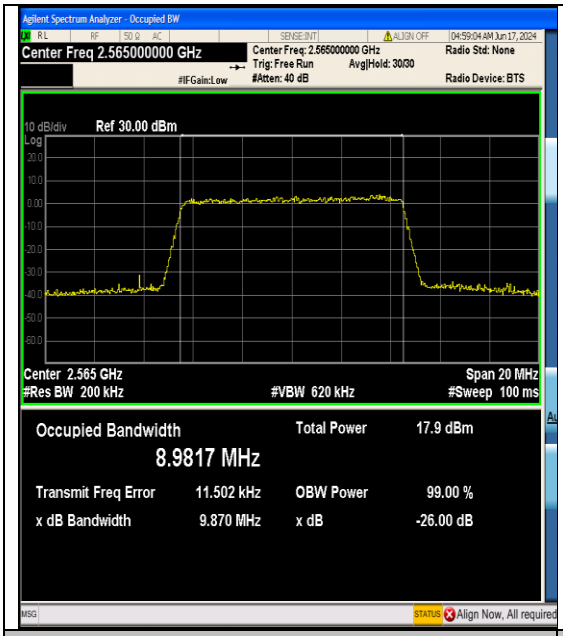
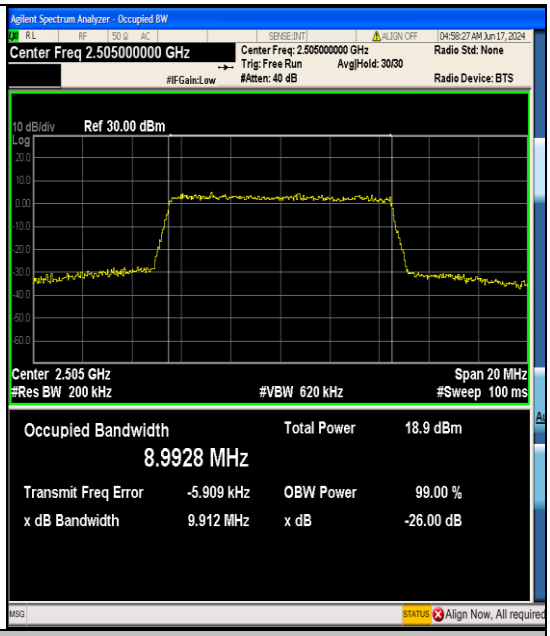
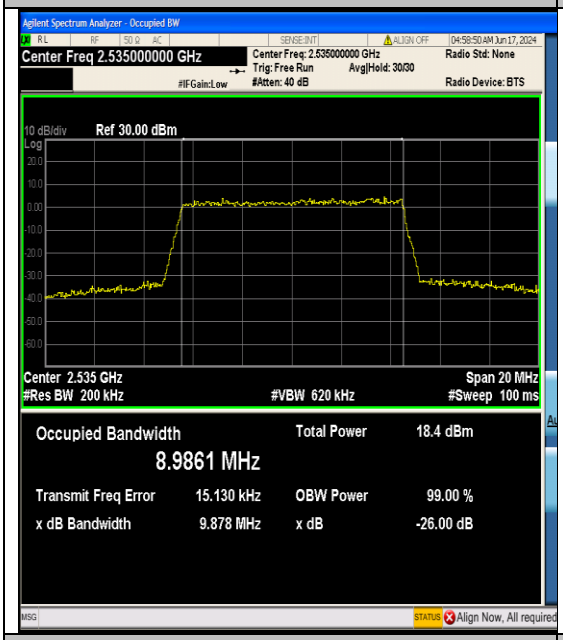


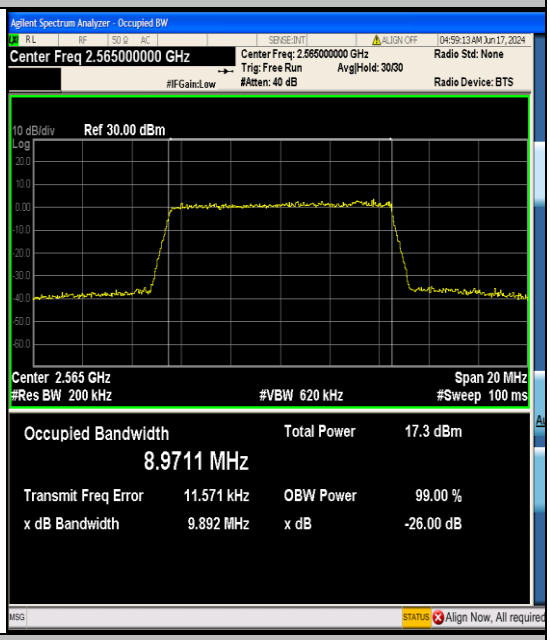
Band7-10MHz-QPSK-21400-50RB#0-PASS



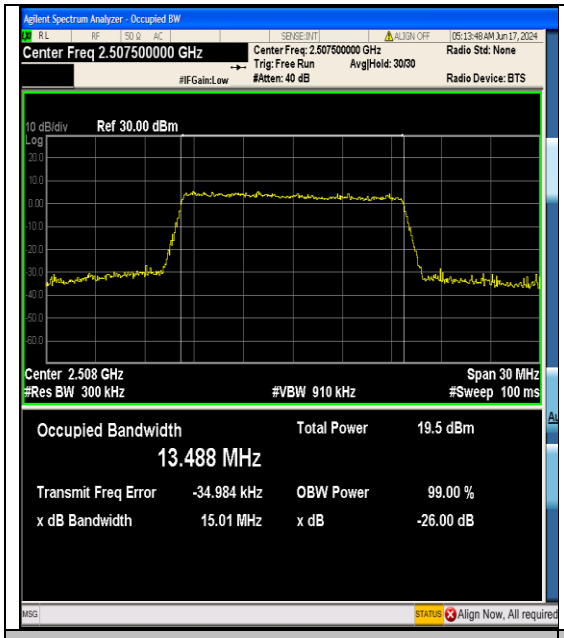
Band7-10MHz-16QAM-20800-50RB#0-PASS



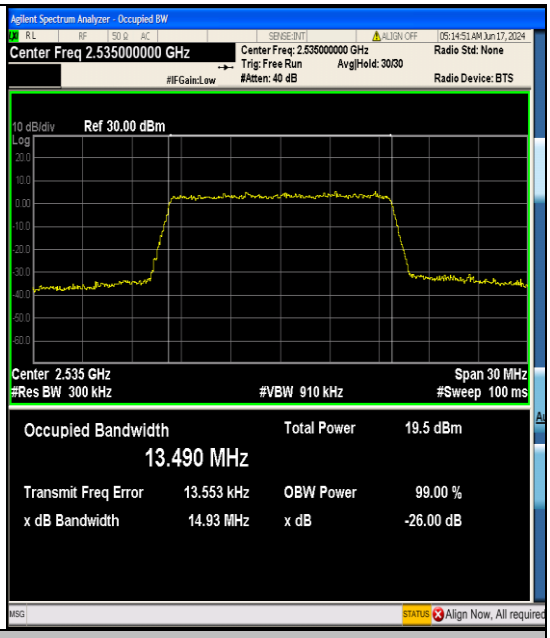
Band7-10MHz-16QAM-21100-50RB#0-PASS



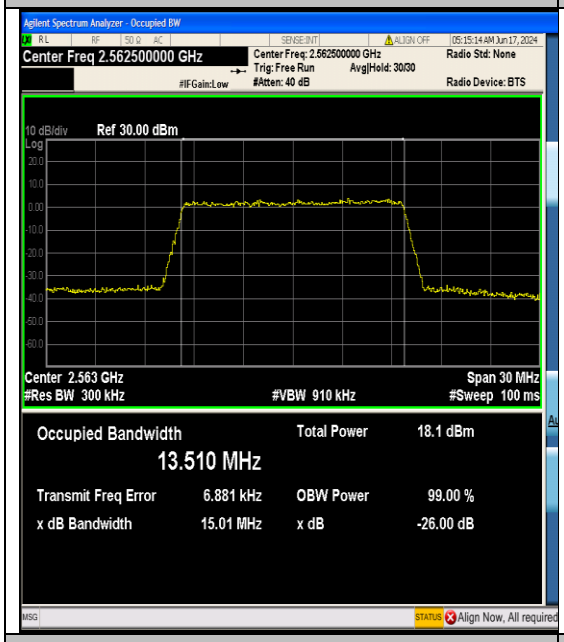
Band7-10MHz-16QAM-21400-50RB#0-PASS



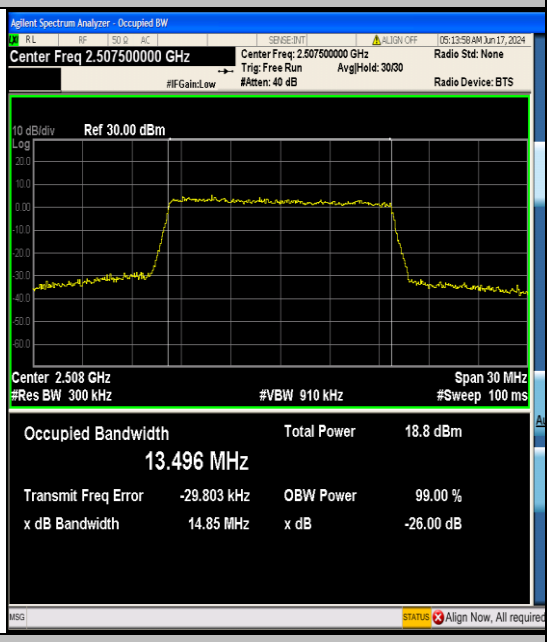
Band7-15MHz-QPSK-20825-75RB#0-PASS



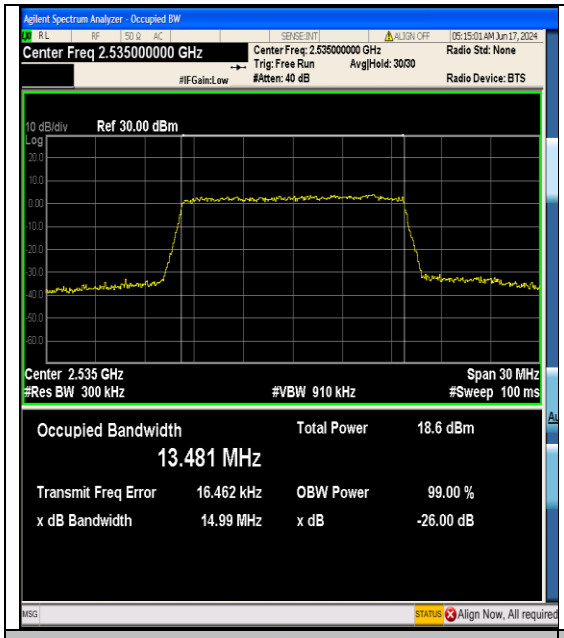
Band7-15MHz-QPSK-21100-75RB#0-PASS



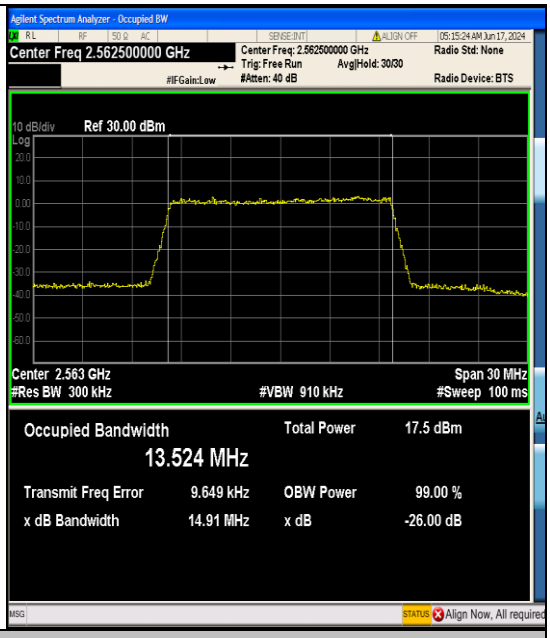
Band7-15MHz-QPSK-21375-75RB#0-PASS



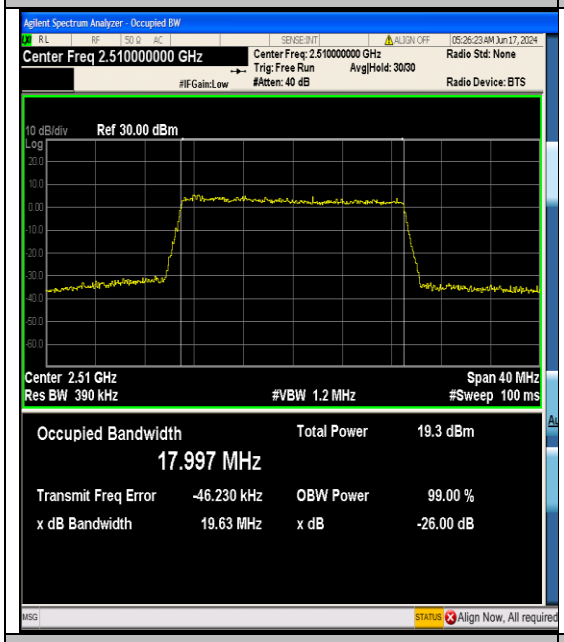
Band7-15MHz-16QAM-20825-75RB#0-PASS



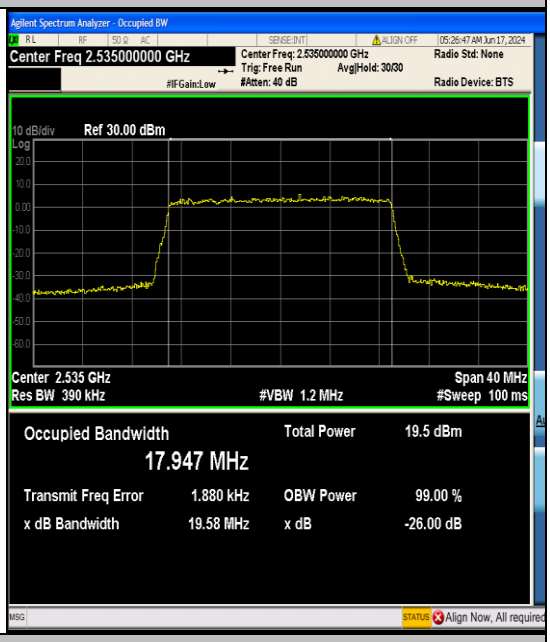
Band7-15MHz-16QAM-21100-75RB#0-PASS



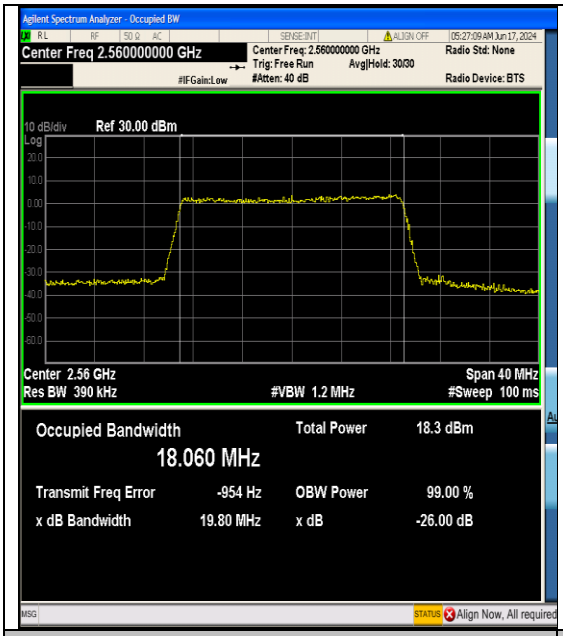
Band7-15MHz-16QAM-21375-75RB#0-PASS



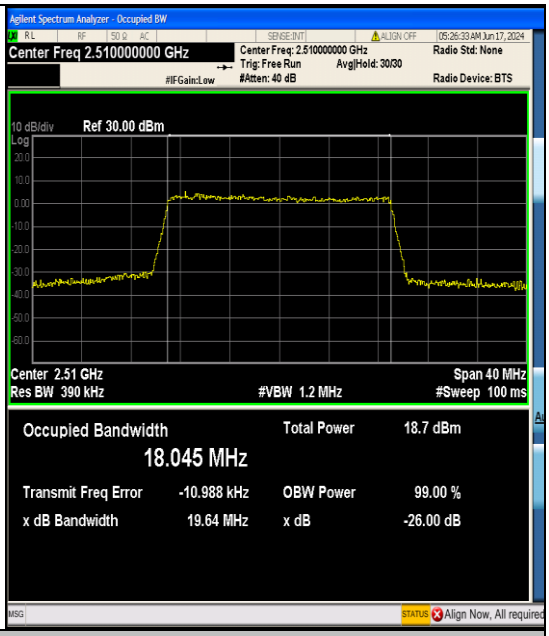
Band7-20MHz-QPSK-20850-100RB#0-PASS



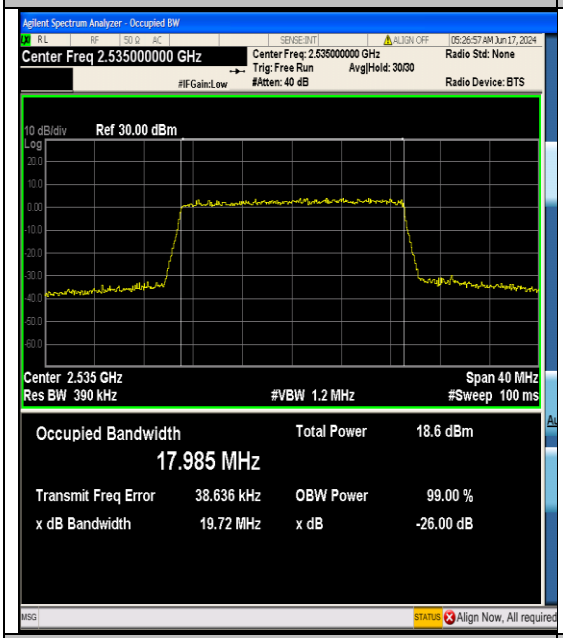
Band7-20MHz-QPSK-21100-100RB#0-PASS



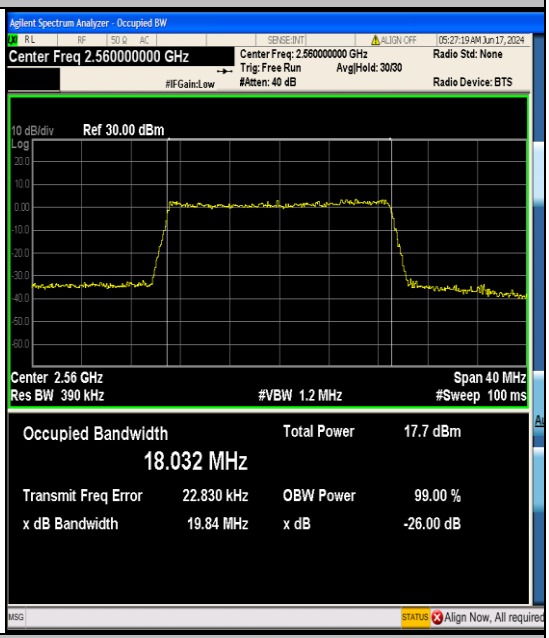
Band7-20MHz-QPSK-21350-100RB#0-PASS



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



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



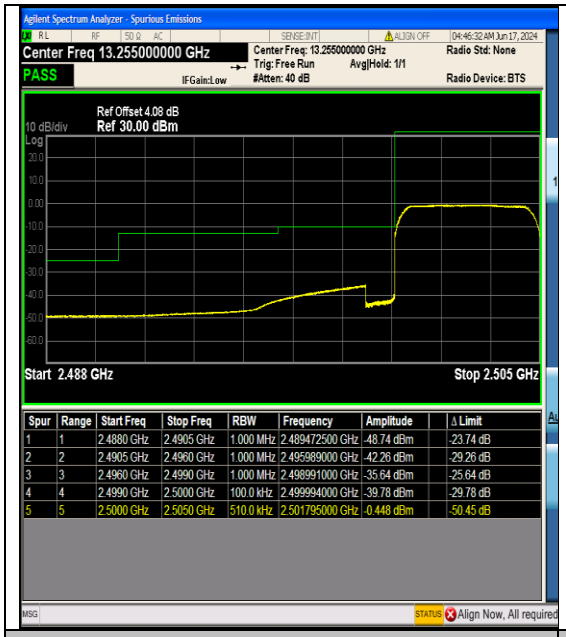
Band7-20MHz-16QAM-21350-100RB#0-PASS

Appendix D: Band Edge

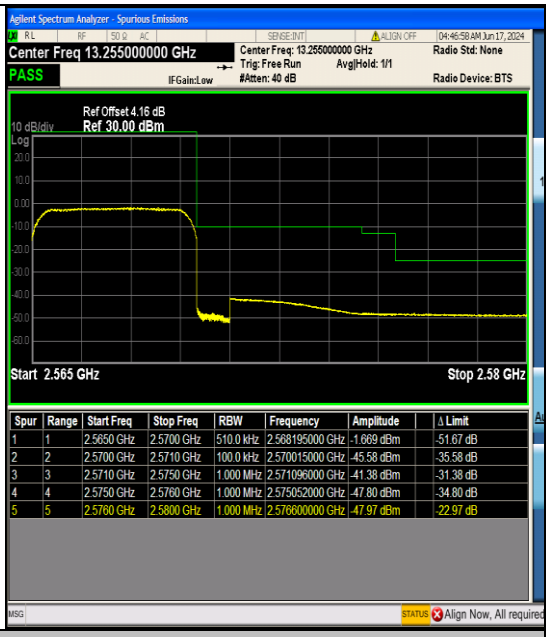
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-48.74	PASS
Band7	5MHz	QPSK	21425	25RB#0	-47.97	PASS
Band7	5MHz	16QAM	20775	25RB#0	-48.84	PASS
Band7	5MHz	16QAM	21425	25RB#0	-48.17	PASS
Band7	10MHz	QPSK	20800	50RB#0	-47.83	PASS
Band7	10MHz	QPSK	21400	50RB#0	-48.31	PASS
Band7	10MHz	16QAM	20800	50RB#0	-47.92	PASS
Band7	10MHz	16QAM	21400	50RB#0	-48.36	PASS
Band7	15MHz	QPSK	20825	75RB#0	-48.15	PASS
Band7	15MHz	QPSK	21375	75RB#0	-48.19	PASS
Band7	15MHz	16QAM	20825	75RB#0	-48.38	PASS
Band7	15MHz	16QAM	21375	75RB#0	-48.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	-48.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	-48.40	PASS
Band7	20MHz	16QAM	20850	100RB#0	-48.78	PASS
Band7	20MHz	16QAM	21350	100RB#0	-48.36	PASS

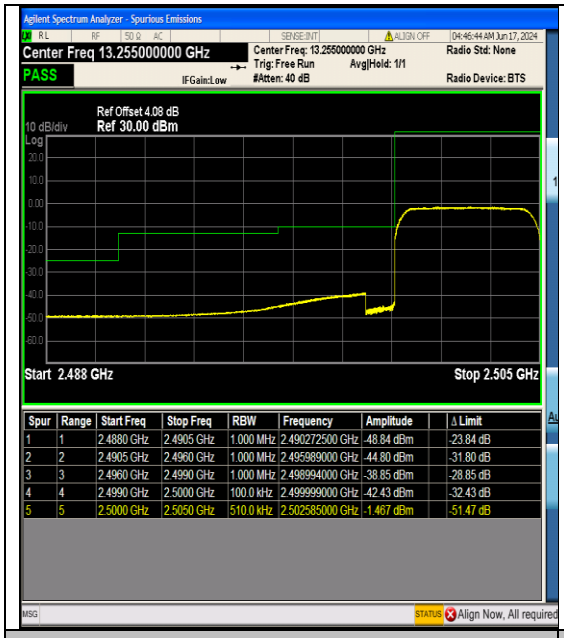
Test Graphs



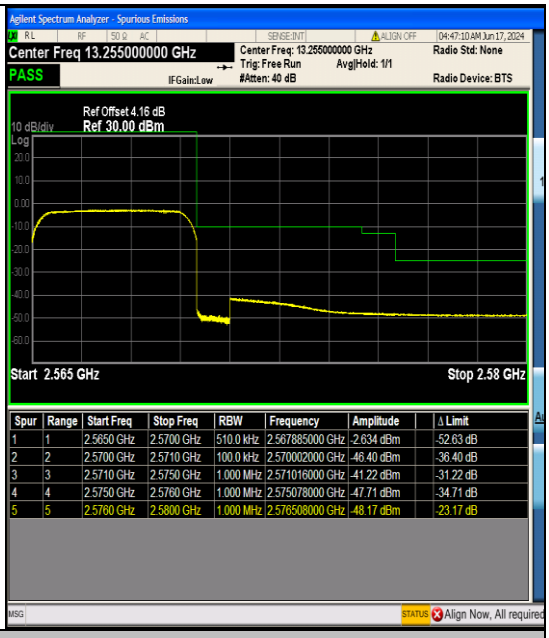
Band7_5MHz_QPSK_20775_25RB#0



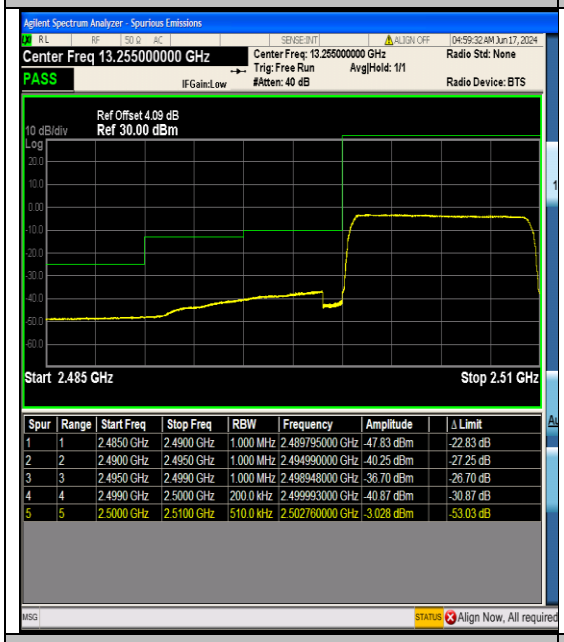
Band7_5MHz_QPSK_21425_25RB#0



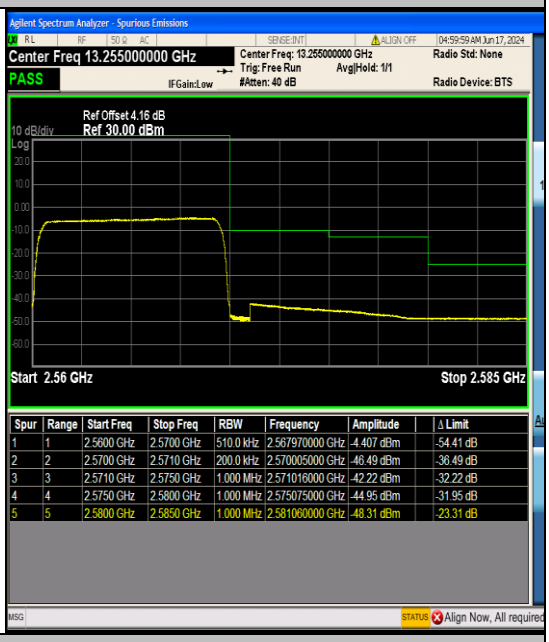
Band7_5MHz_16QAM_20775_25RB#0



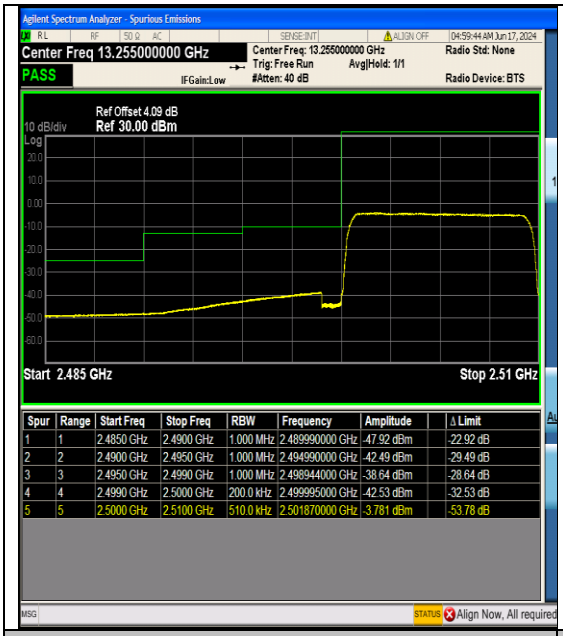
Band7_5MHz_16QAM_21425_25RB#0



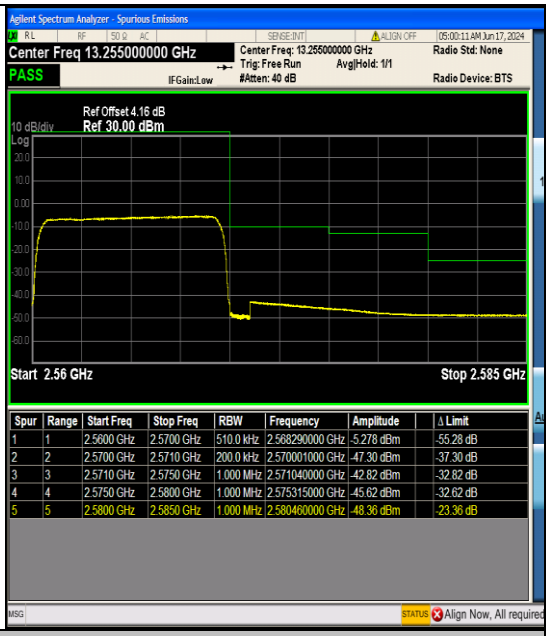
Band7_10MHz_QPSK_20800_50RB#0



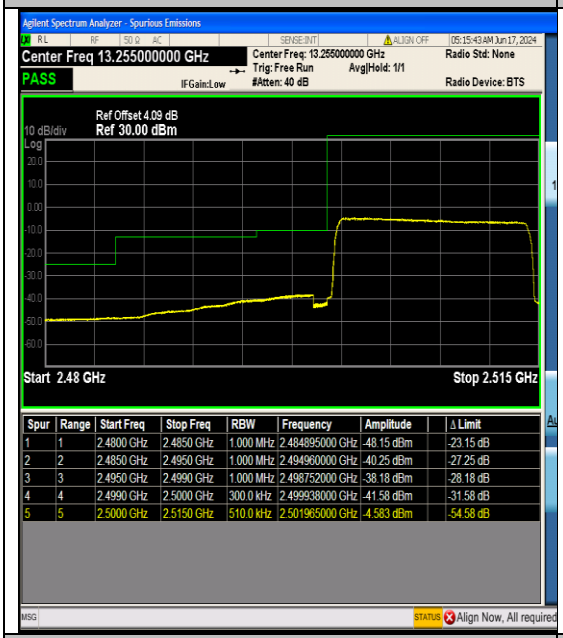
Band7_10MHz_QPSK_21400_50RB#0



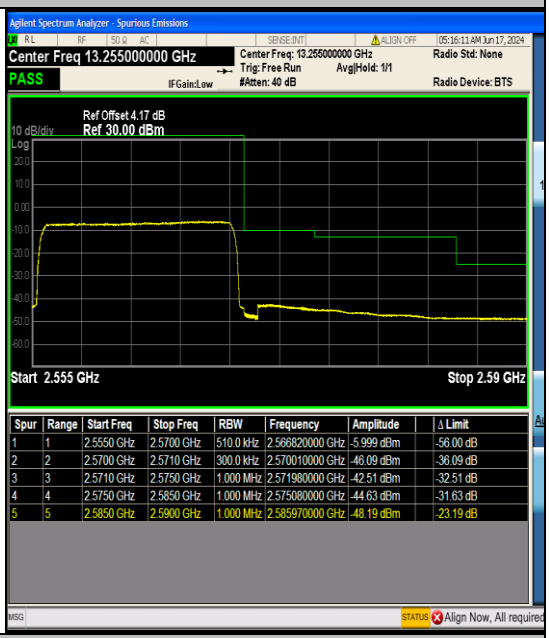
Band7_10MHz_16QAM_20800_50RB#0



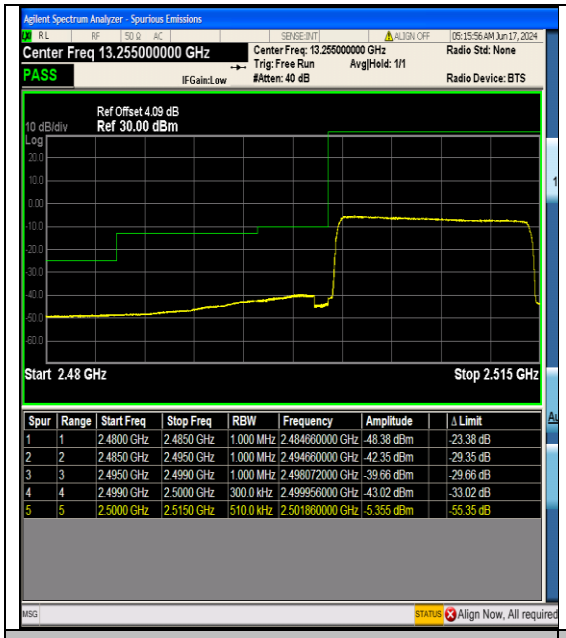
Band7_10MHz_16QAM_21400_50RB#0



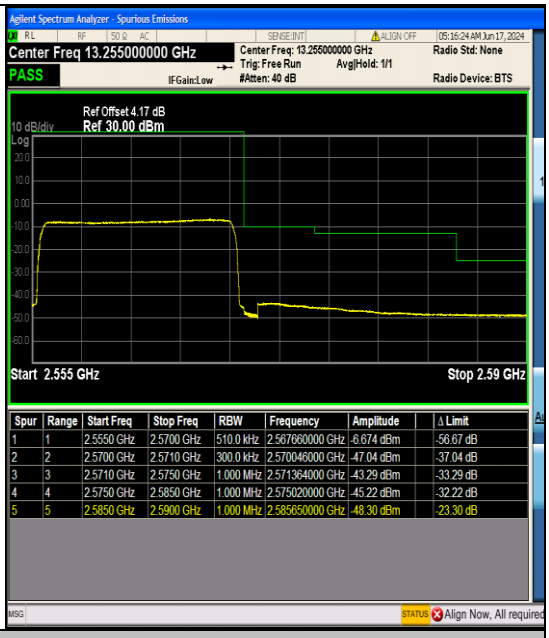
Band7_15MHz_QPSK_20825_75RB#0



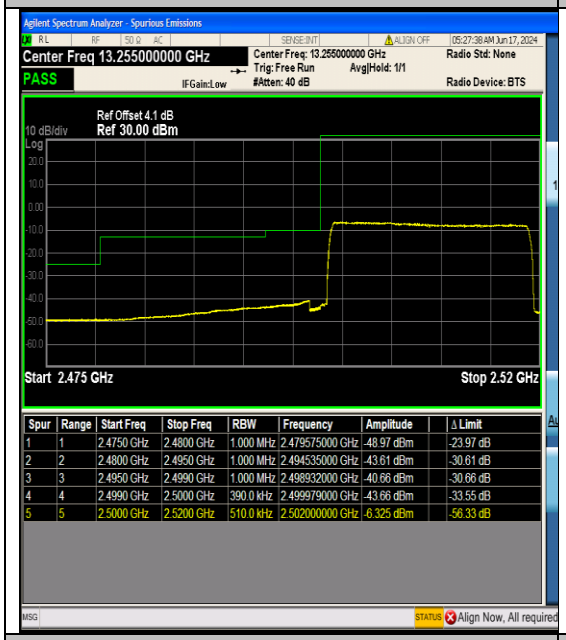
Band7_15MHz_QPSK_21375_75RB#0



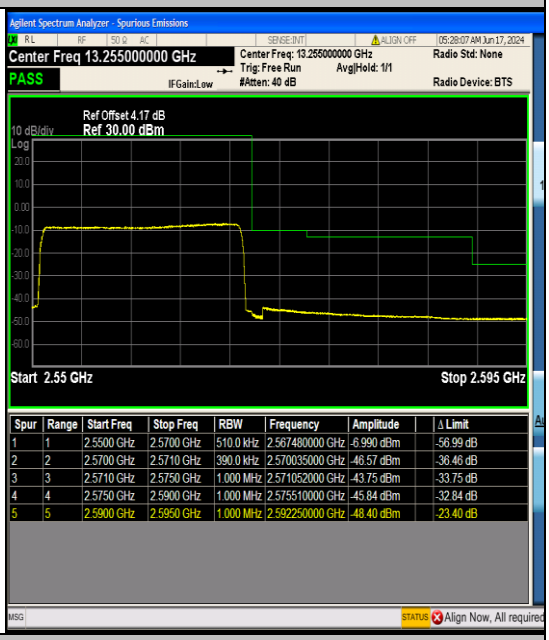
Band7_15MHz_16QAM_20825_75RB#0



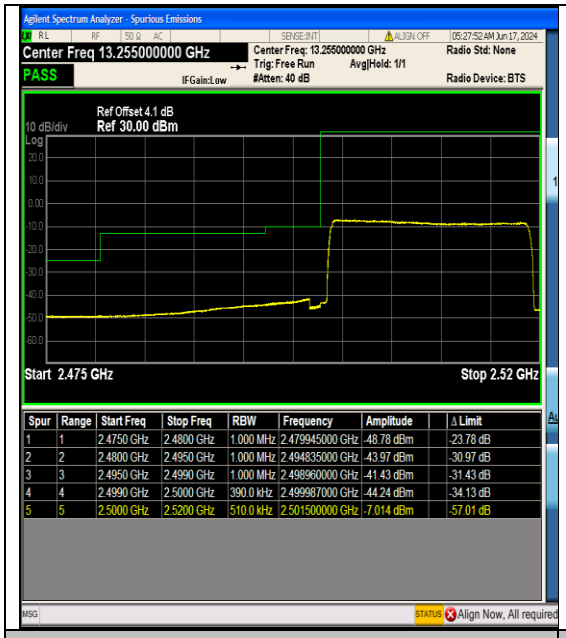
Band7_15MHz_16QAM_21375_75RB#0



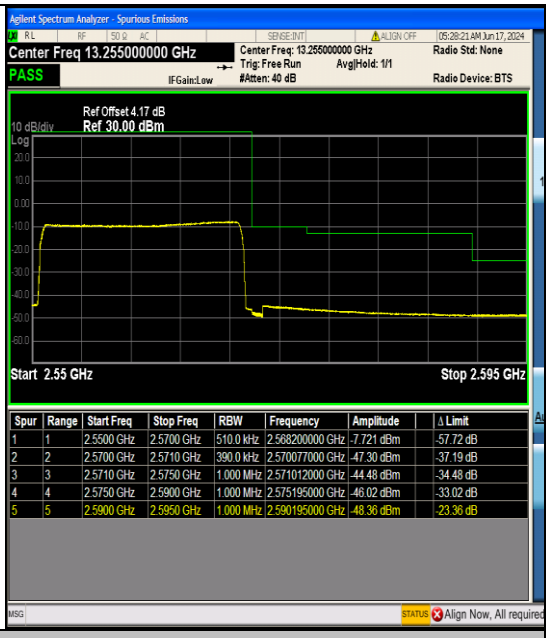
Band7_20MHz_QPSK_20850_100RB#0



Band7_20MHz_QPSK_21350_100RB#0



Band7_20MHz_16QAM_20850_100RB#0



Band7_20MHz_16QAM_21350_100RB#0

Appendix E: Conducted Spurious Emission

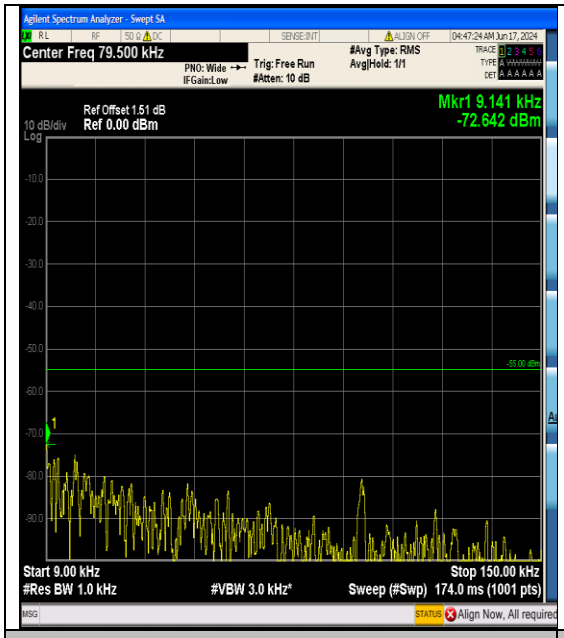
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	0.009~0.15	-72.64	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-70.48	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-66.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-45.82	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-39.55	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-75.53	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-66.44	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-66.56	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-46.14	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-39.14	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-72.68	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-71.35	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-66.62	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-46.12	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-39.74	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-76.62	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-68.70	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-66.73	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-46.13	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-39.39	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-75.45	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-67.89	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-66.39	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-46.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-39.78	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-72.54	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-65.53	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-66.72	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-46.04	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-39.83	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-75.43	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-67.14	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-66.77	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-46.12	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-39.48	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-74.72	PASS

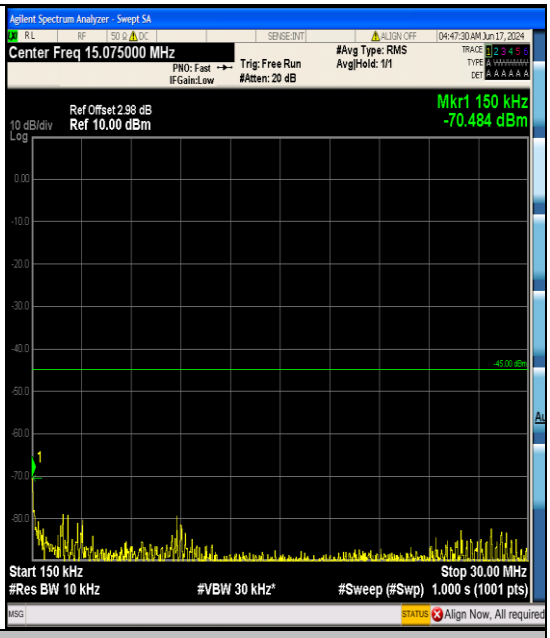
Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-68.91	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-66.88	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-46.31	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-39.42	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-75.40	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-68.70	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-66.77	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-46.24	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-39.54	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-74.50	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-67.23	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-66.51	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-45.62	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-39.43	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-75.32	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-69.42	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-66.65	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-46.21	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-39.62	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-75.45	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-67.49	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-66.59	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-46.53	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-39.79	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-76.07	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-71.27	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-66.62	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-45.56	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-39.88	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-71.07	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-67.55	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-66.79	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-46.12	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-39.75	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-72.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-66.98	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-66.61	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-45.79	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-39.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-77.22	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-68.28	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-66.63	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-45.69	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-39.55	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-76.12	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-68.16	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-66.90	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-45.58	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-39.63	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-73.28	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-67.50	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-55.51	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-46.38	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-39.75	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-72.51	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-67.72	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-66.60	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-45.73	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-39.74	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-76.64	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-68.48	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-58.83	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-46.11	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-39.74	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-71.54	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-69.39	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-50.42	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-46.36	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-39.89	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-73.31	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-69.10	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-66.51	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-46.29	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-39.96	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-74.36	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-70.39	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-66.84	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-46.06	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-39.58	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-75.67	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-69.47	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-66.30	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-46.16	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-39.68	PASS

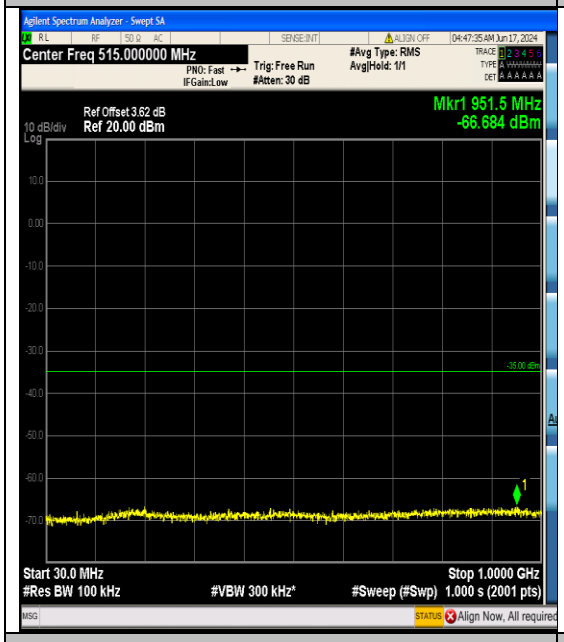
Test Graphs



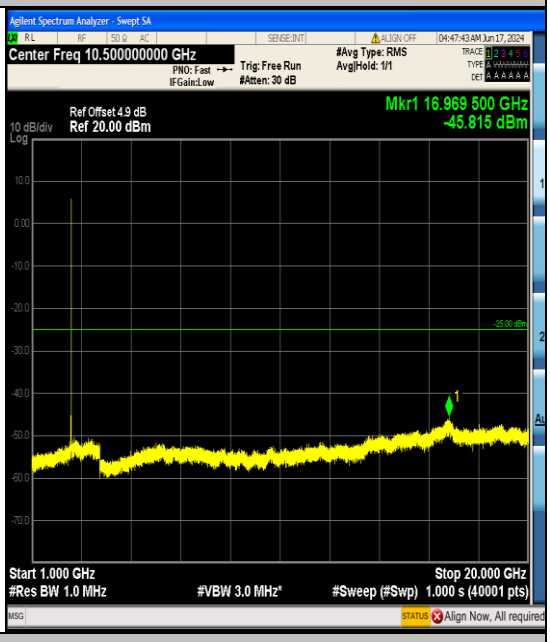
Band7_5MHz_QPSK_20775_25RB#0_0.009~0.15_0.009~0.15



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

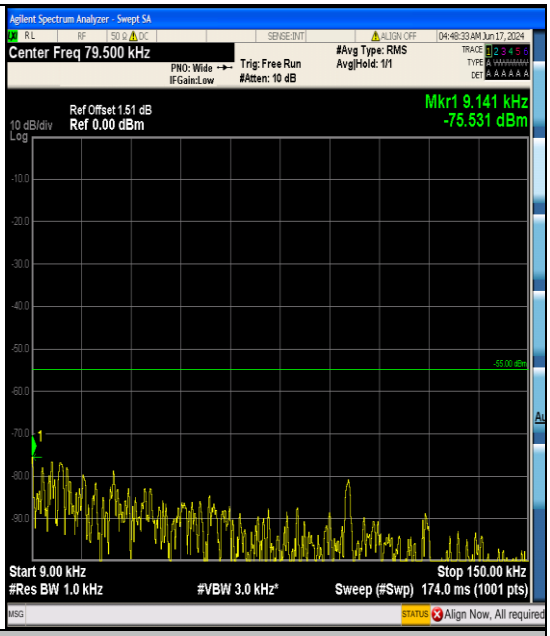


Band7_5MHz_QPSK_20775_25RB#0_30~1000_30~1000

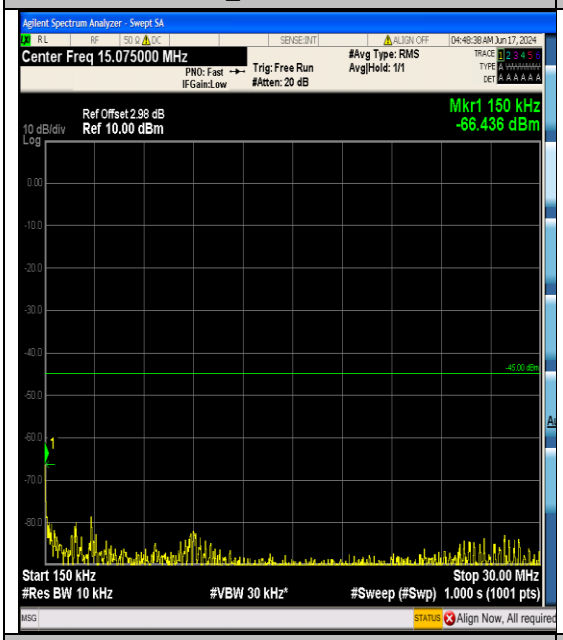


Band7_5MHz_QPSK_20775_25RB#0_1000~20000_1000~20000

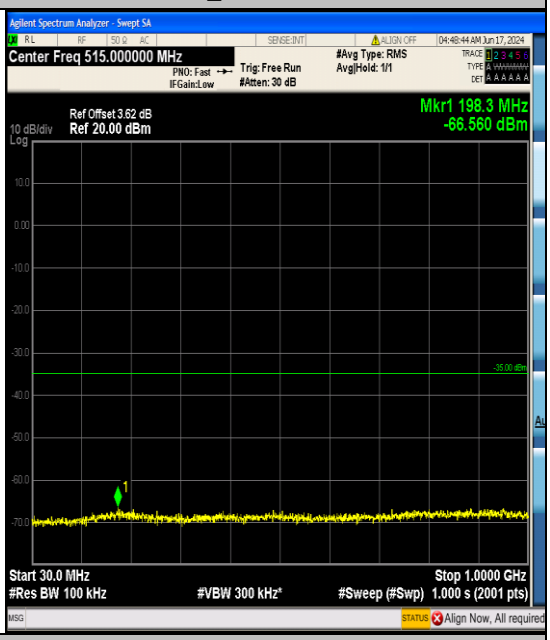
Band7_5MHz_QPSK_20775_25RB#0_20000~27000_20000~27000



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



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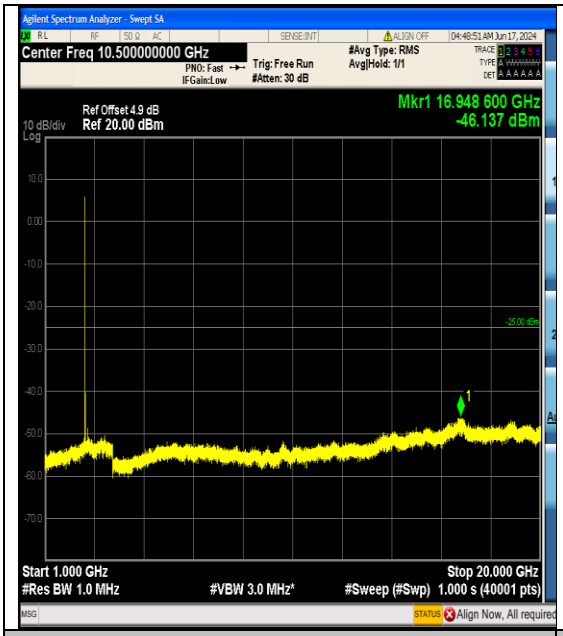

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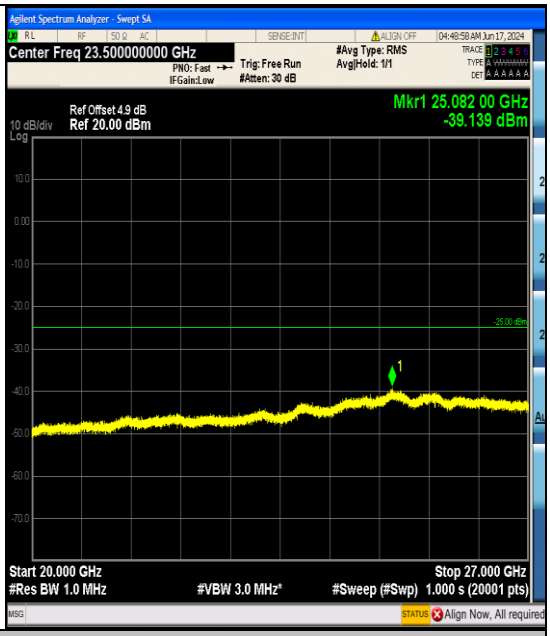
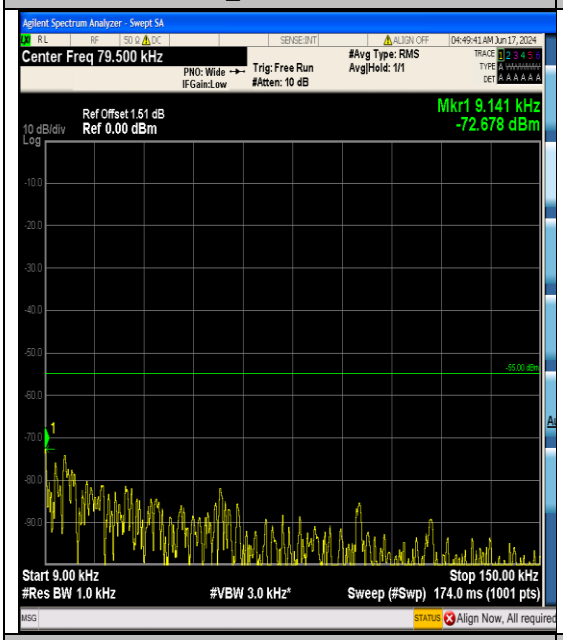


Band7_5MHz_QPSK_21100_25RB#0_20000~27000_20000~27000



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