

# FCC LTE Band Test Data

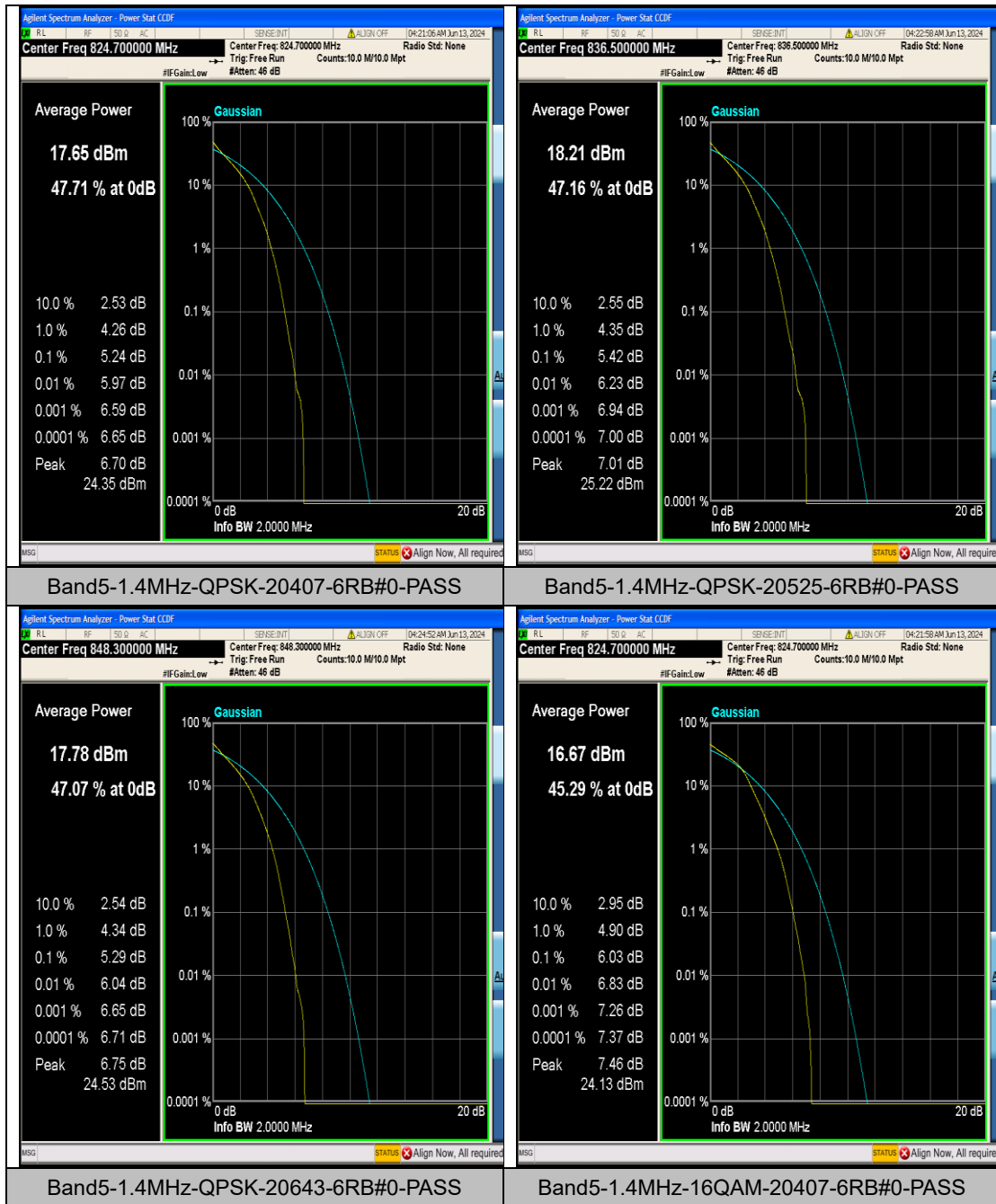
**FCC ID** : 2BHCY-X100  
**Company:** : Shenzhen ThreeTigers Trading co..Ltd.  
**EUT** : Mobile Phone  
**Model Number** : X100  
**Reviewed By** : Eric Wang

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

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.24	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.42	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.29	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.03	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.17	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.17	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.60	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.57	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.22	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.32	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.48	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.44	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.55	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.12	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.27	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.32	13	PASS

# Test Graphs











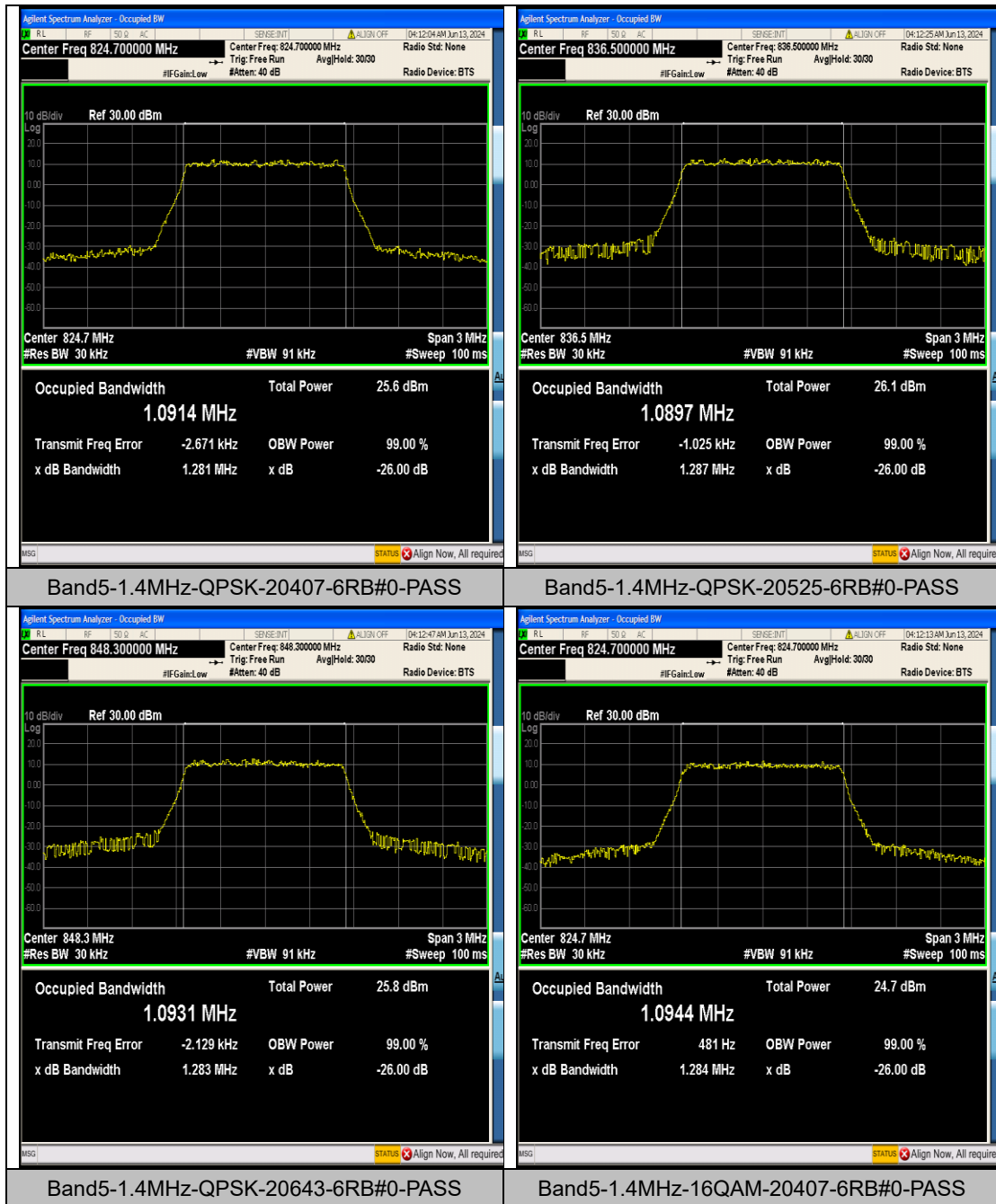
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

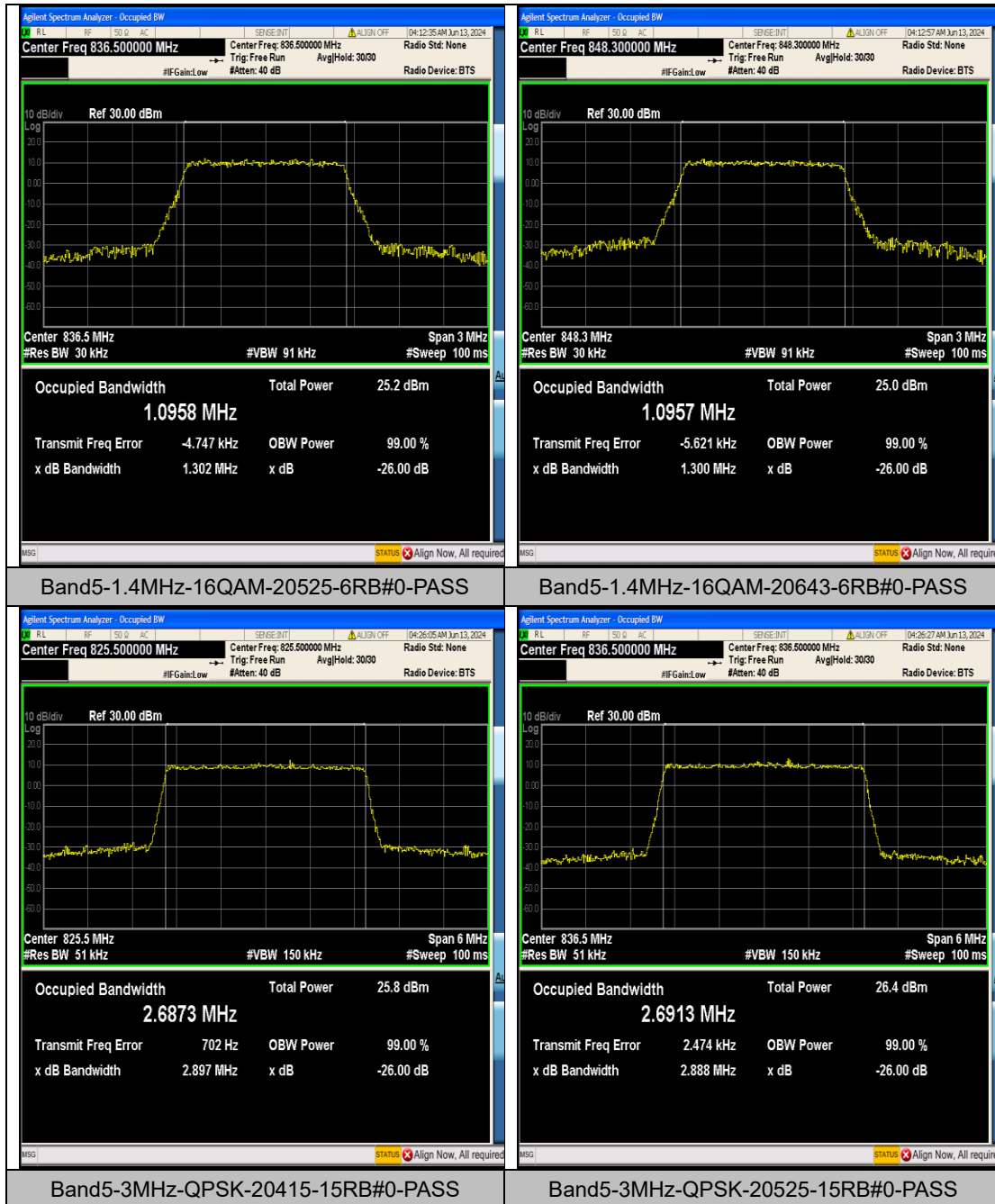
### Test Result

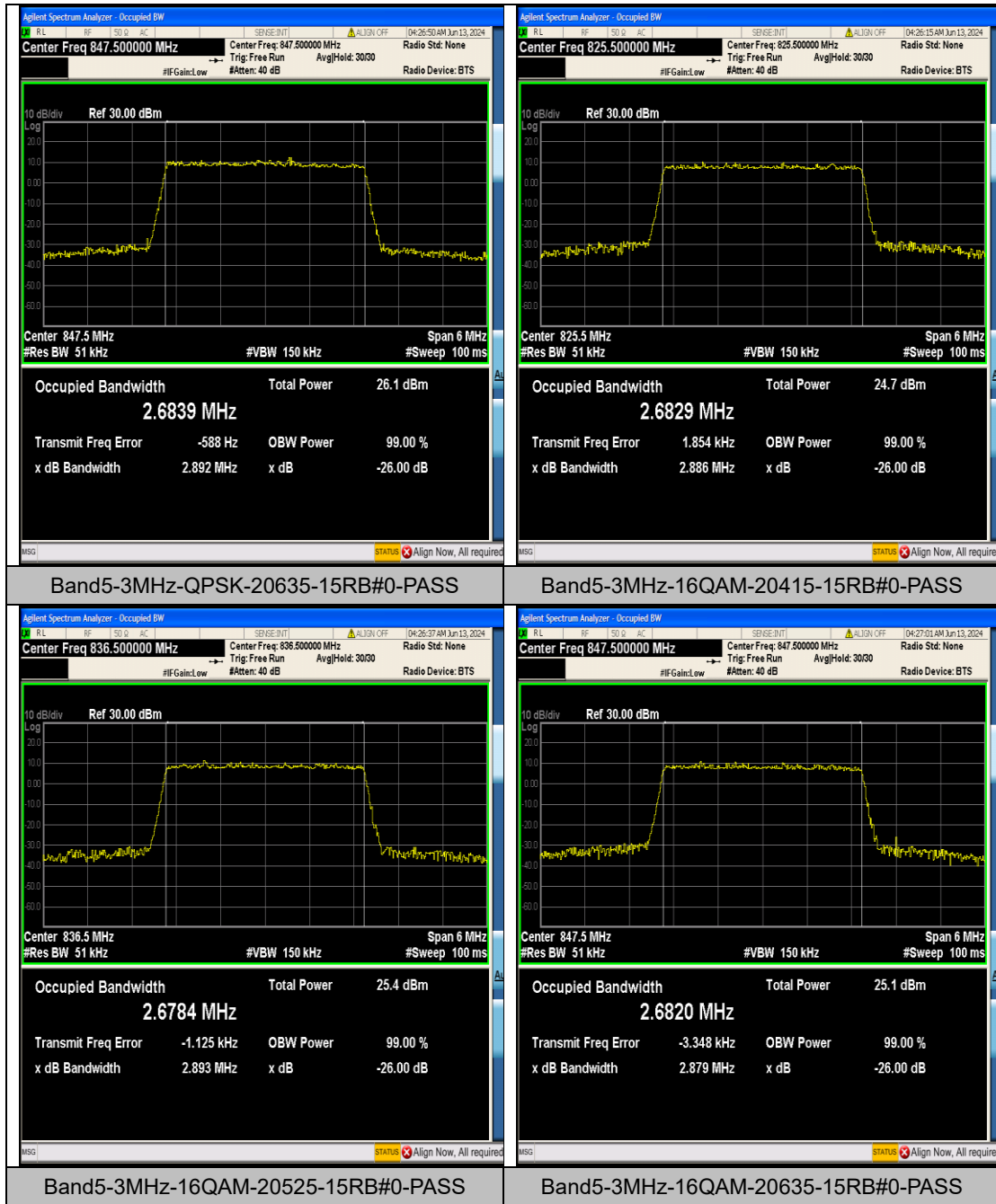
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0914	1.281	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0897	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0931	1.283	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0944	1.284	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0958	1.302	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0957	1.300	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6873	2.897	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6913	2.888	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6839	2.892	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6829	2.886	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6784	2.893	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6820	2.879	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5211	5.190	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5186	5.189	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5157	5.161	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5227	5.141	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5147	5.119	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5101	5.108	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0180	10.12	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0030	10.19	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.0039	10.16	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0105	10.03	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9991	10.12	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9992	9.949	PASS

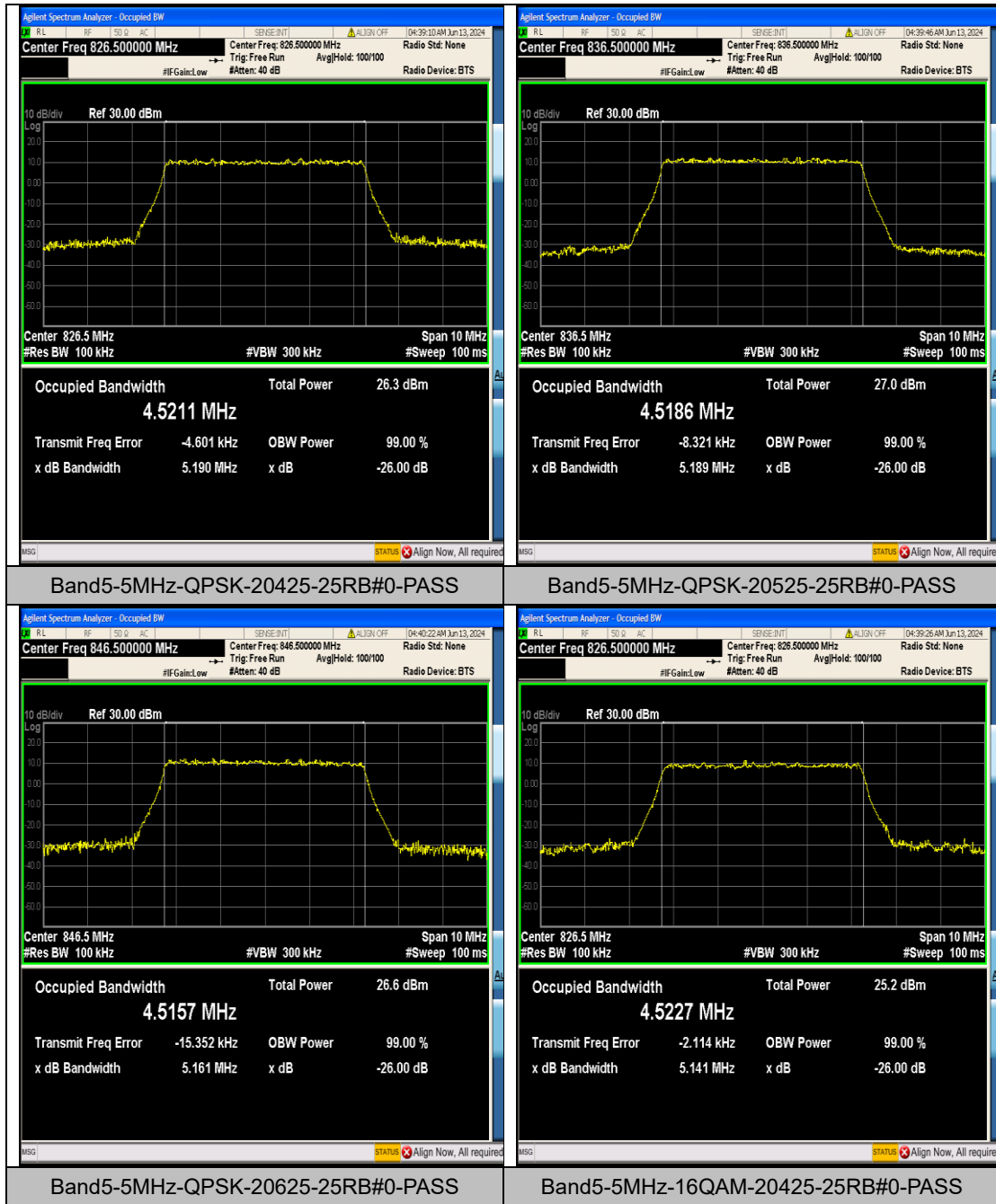


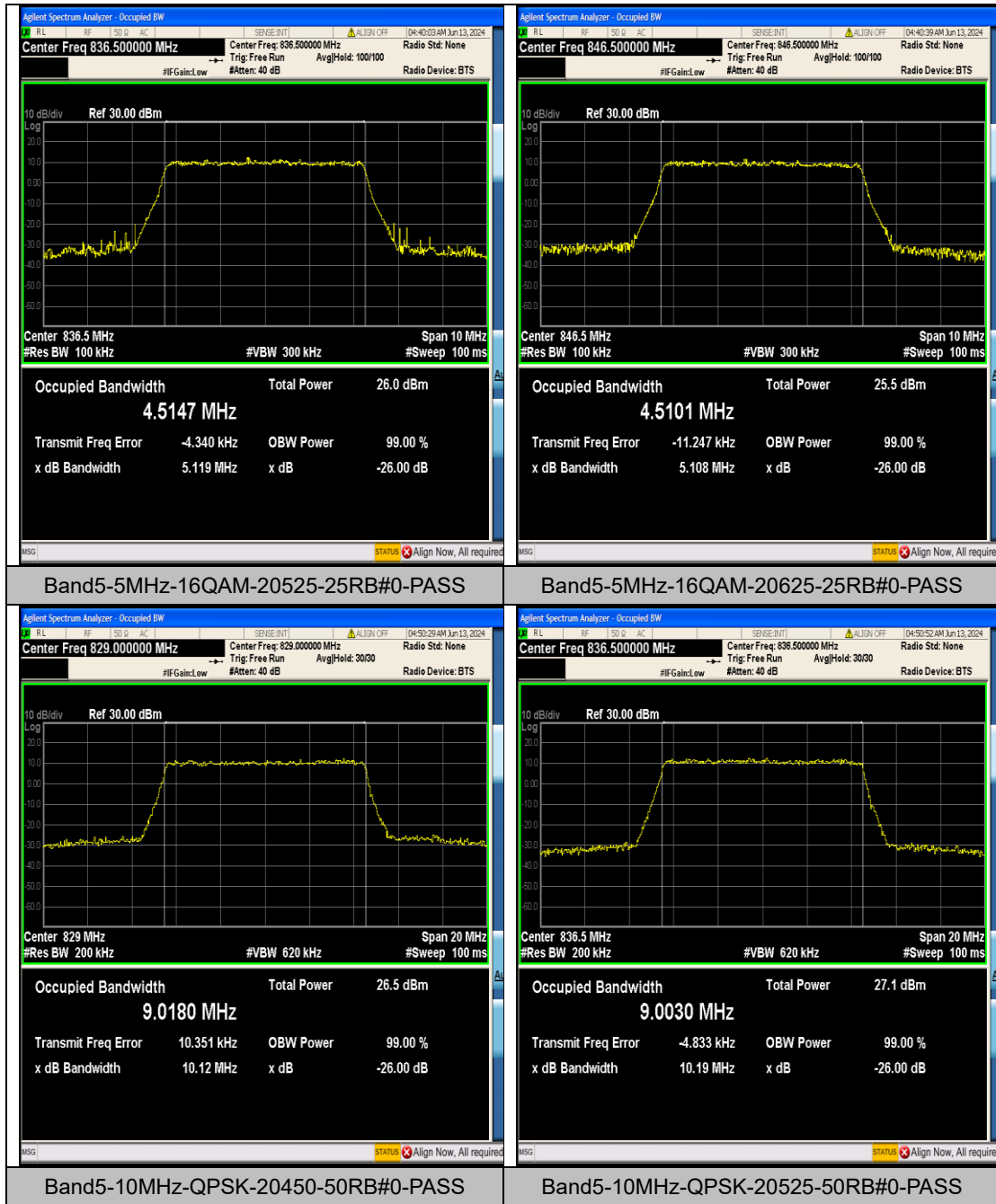
# Test Graphs

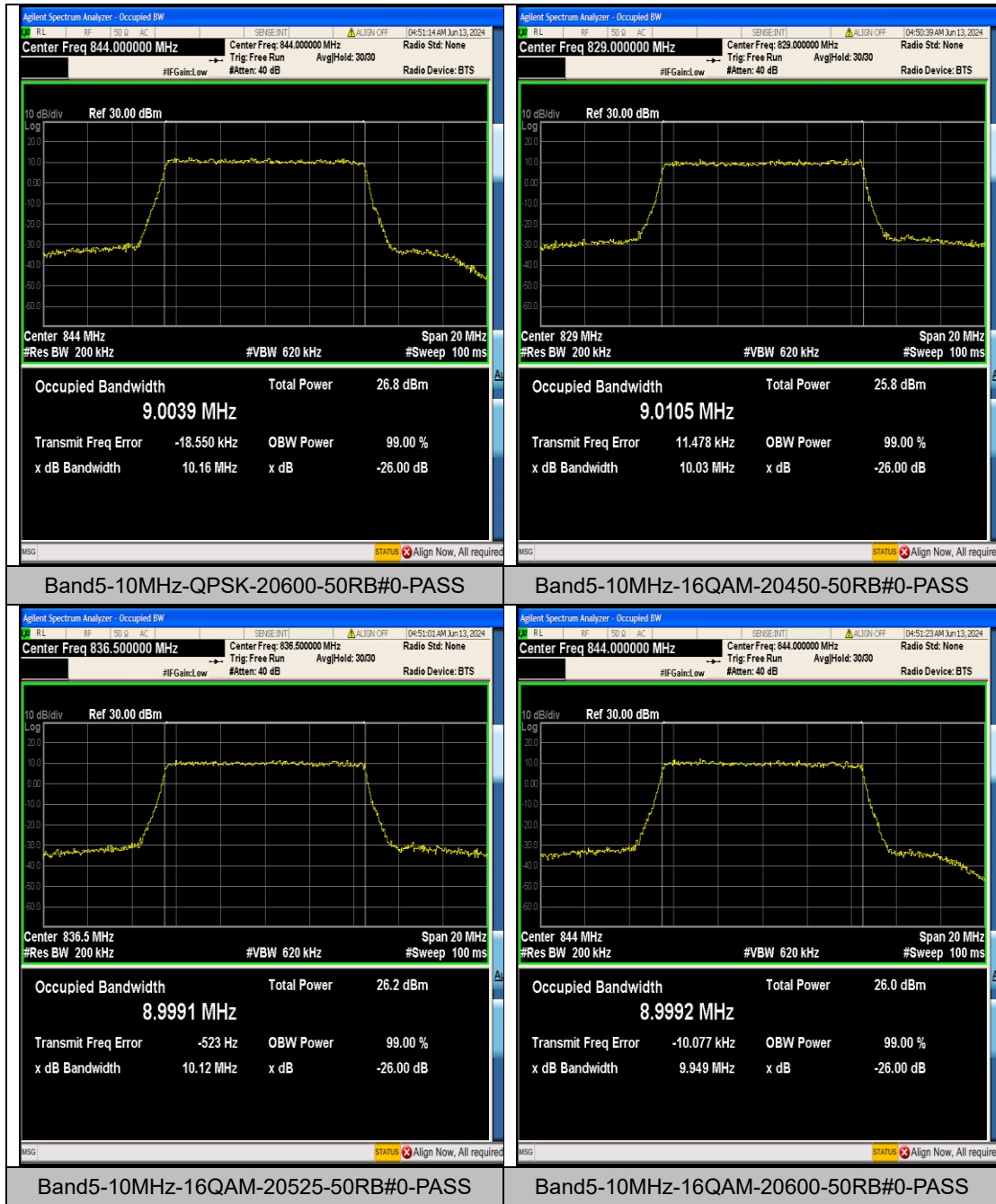










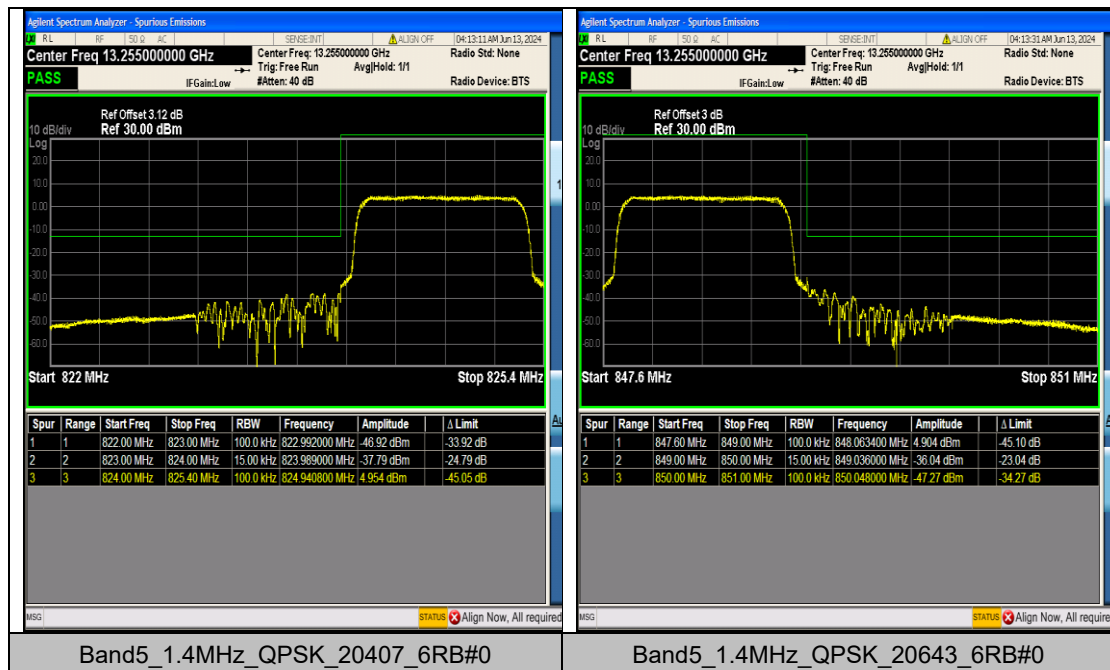


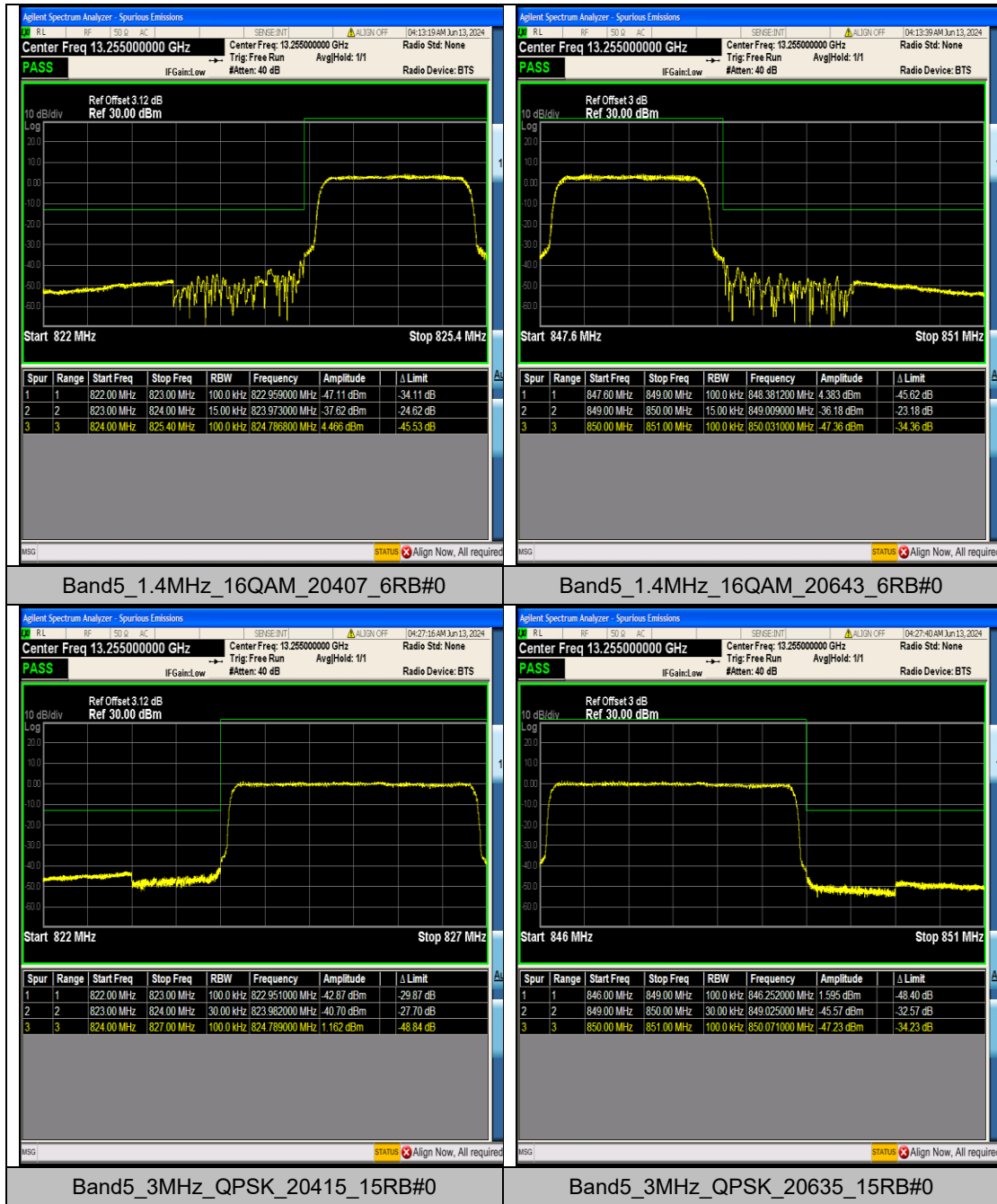
# Appendix D: Band Edge

## Test Result

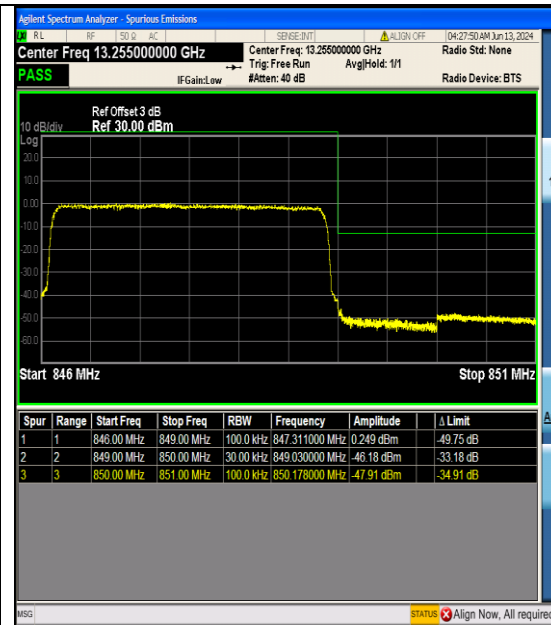
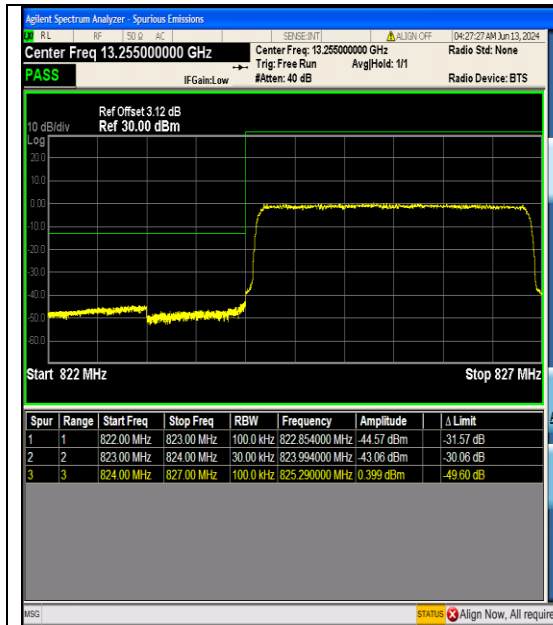
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-37.79	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-36.04	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-37.62	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-36.18	PASS
Band5	3MHz	QPSK	20415	15RB#0	-40.70	PASS
Band5	3MHz	QPSK	20635	15RB#0	-45.57	PASS
Band5	3MHz	16QAM	20415	15RB#0	-43.06	PASS
Band5	3MHz	16QAM	20635	15RB#0	-46.18	PASS
Band5	5MHz	QPSK	20425	25RB#0	-37.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	-40.42	PASS
Band5	5MHz	16QAM	20425	25RB#0	-39.68	PASS
Band5	5MHz	16QAM	20625	25RB#0	-41.49	PASS
Band5	10MHz	QPSK	20450	50RB#0	-39.94	PASS
Band5	10MHz	QPSK	20600	50RB#0	-46.31	PASS
Band5	10MHz	16QAM	20450	50RB#0	-42.59	PASS
Band5	10MHz	16QAM	20600	50RB#0	-46.41	PASS

## Test Graphs



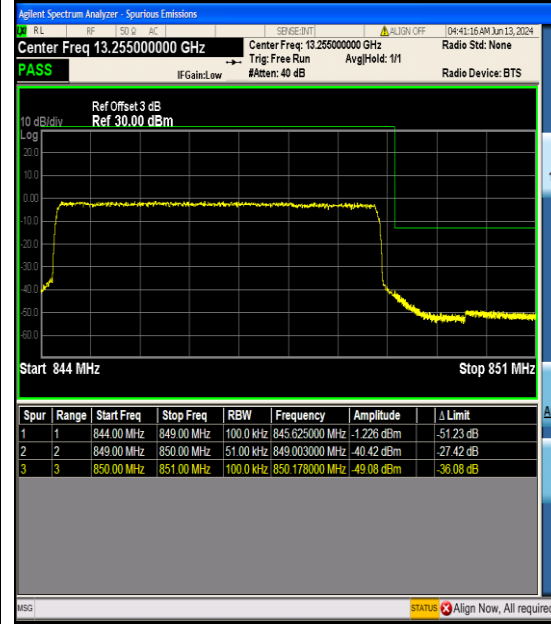
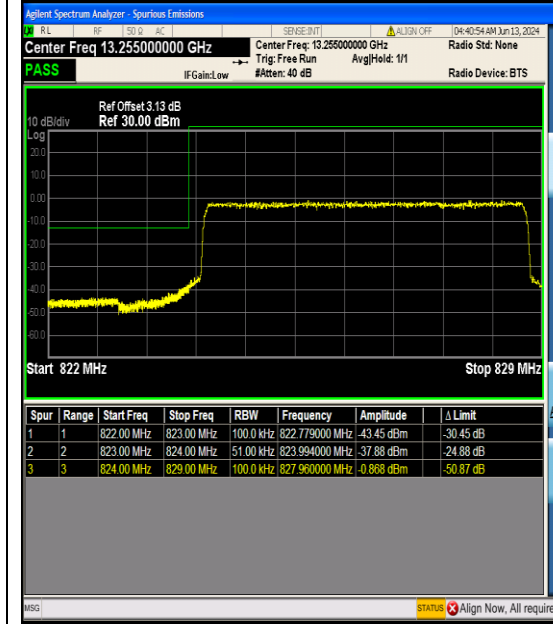






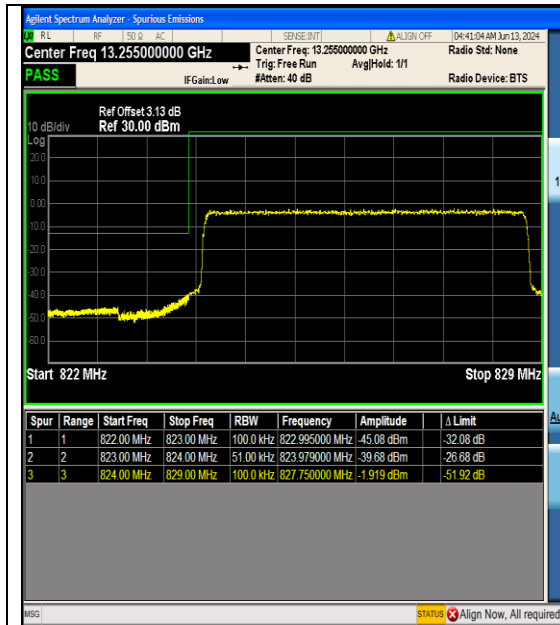
Band5\_3MHz\_16QAM\_20415\_15RB#0

Band5\_3MHz\_16QAM\_20635\_15RB#0

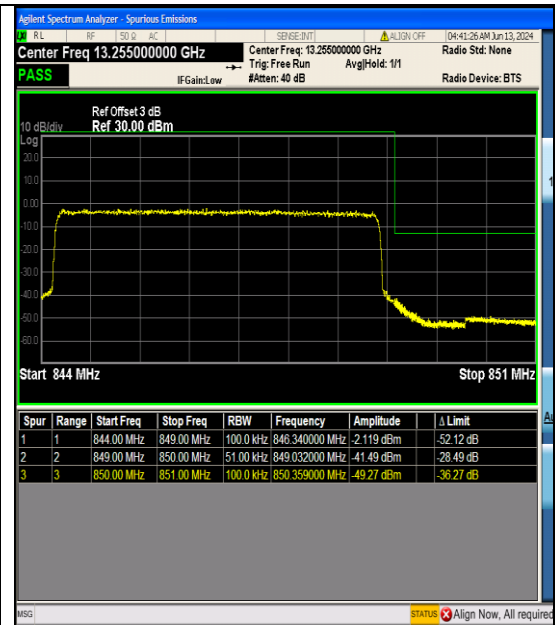


Band5\_5MHz\_QPSK\_20425\_25RB#0

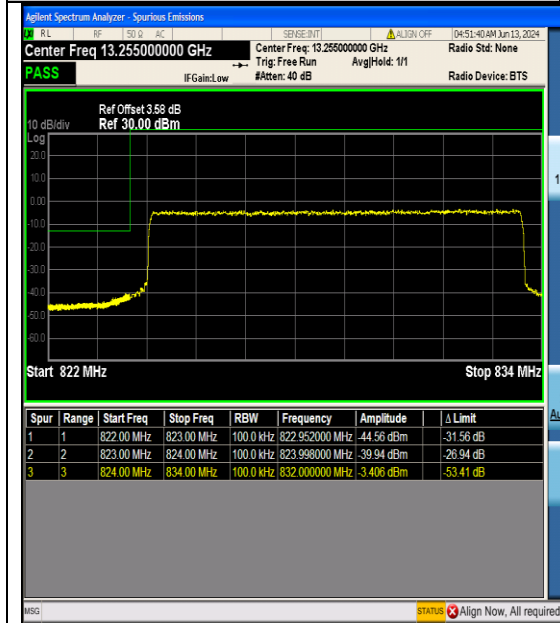
Band5\_5MHz\_QPSK\_20625\_25RB#0



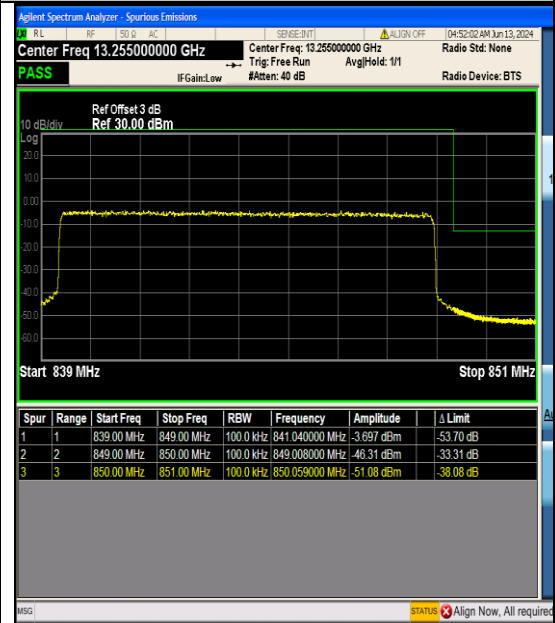
Band5\_5MHz\_16QAM\_20425\_25RB#0



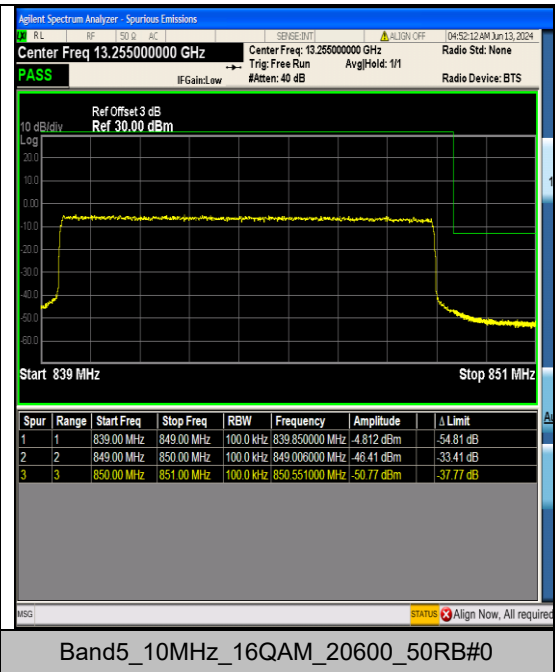
Band5\_5MHz\_16QAM\_20625\_25RB#0



Band5\_10MHz\_QPSK\_20450\_50RB#0



Band5\_10MHz\_QPSK\_20600\_50RB#0



## Appendix E: Conducted Spurious Emission

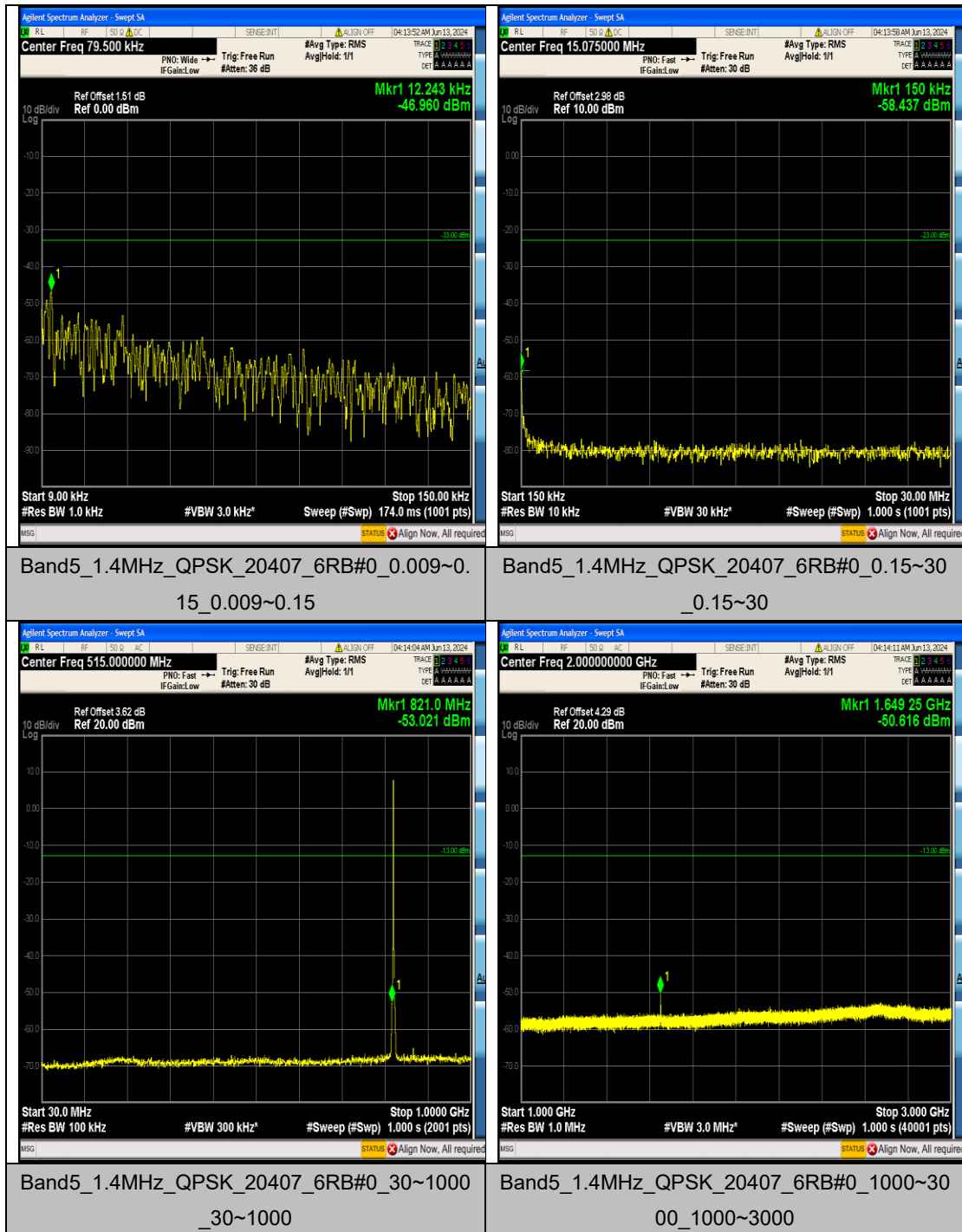
### Test Result

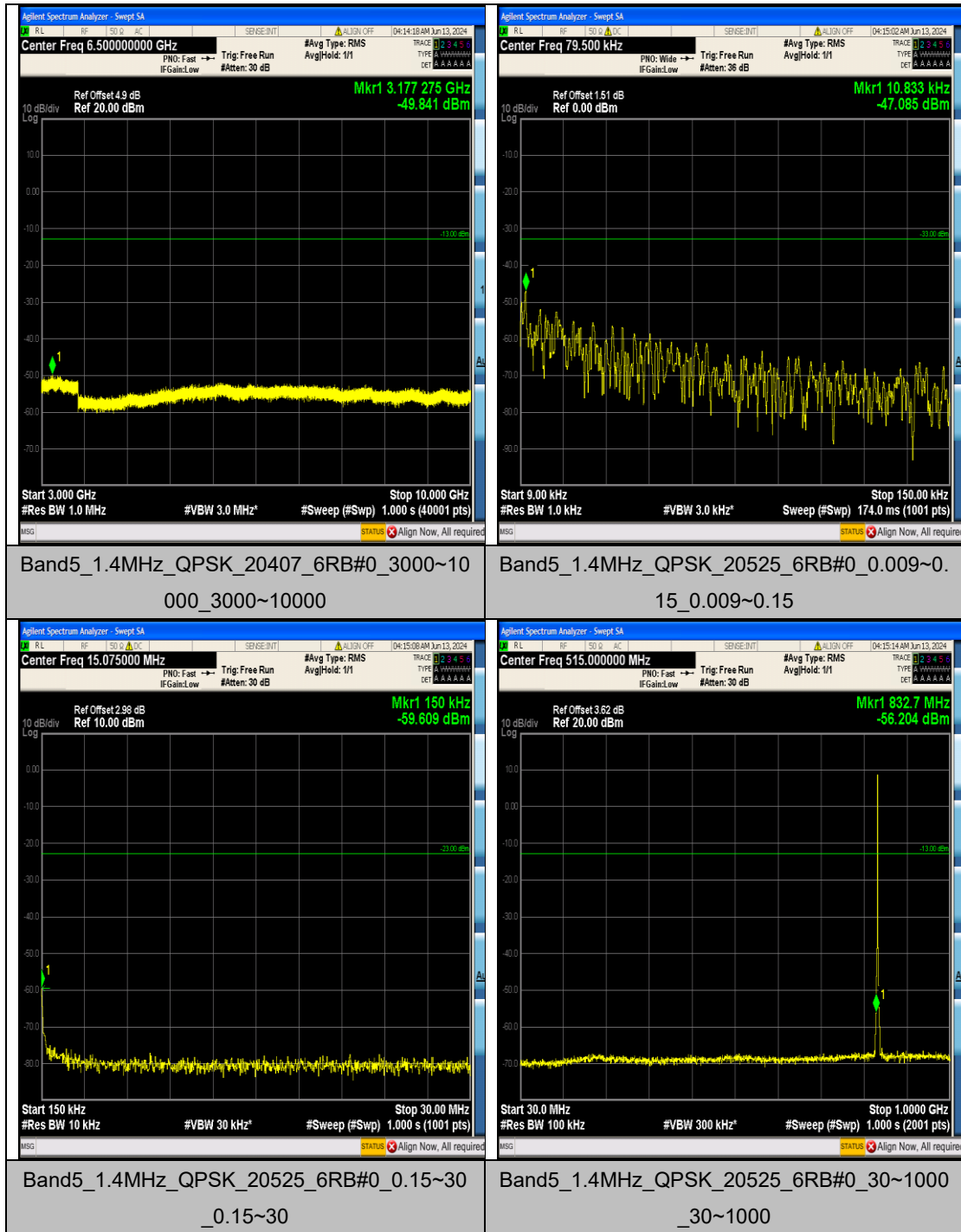
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-46.96	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-58.44	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-53.02	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-50.62	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.84	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-47.09	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-59.61	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-56.20	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-50.94	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.93	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-49.05	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-58.90	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-49.36	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-51.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-49.51	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-48.37	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-57.88	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-53.42	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-52.00	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-50.06	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-49.84	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-59.12	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-56.46	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-52.10	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-49.81	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-47.96	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-58.53	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-53.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-52.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.53	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-48.50	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-59.50	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-53.67	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-52.47	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-50.02	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-51.91	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-58.58	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-57.42	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-52.60	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.69	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-44.44	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-59.03	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-52.31	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-52.55	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-49.39	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-47.48	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-59.94	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-57.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.65	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-49.85	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-49.83	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-57.00	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-58.32	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.50	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-49.87	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-44.11	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-57.24	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-55.20	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.53	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-49.86	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-45.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-60.52	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-50.27	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-52.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-49.33	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-49.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-57.23	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-59.85	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.28	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-47.63	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-57.76	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-53.28	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.75	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-50.11	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-48.10	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-58.87	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-60.37	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.67	PASS

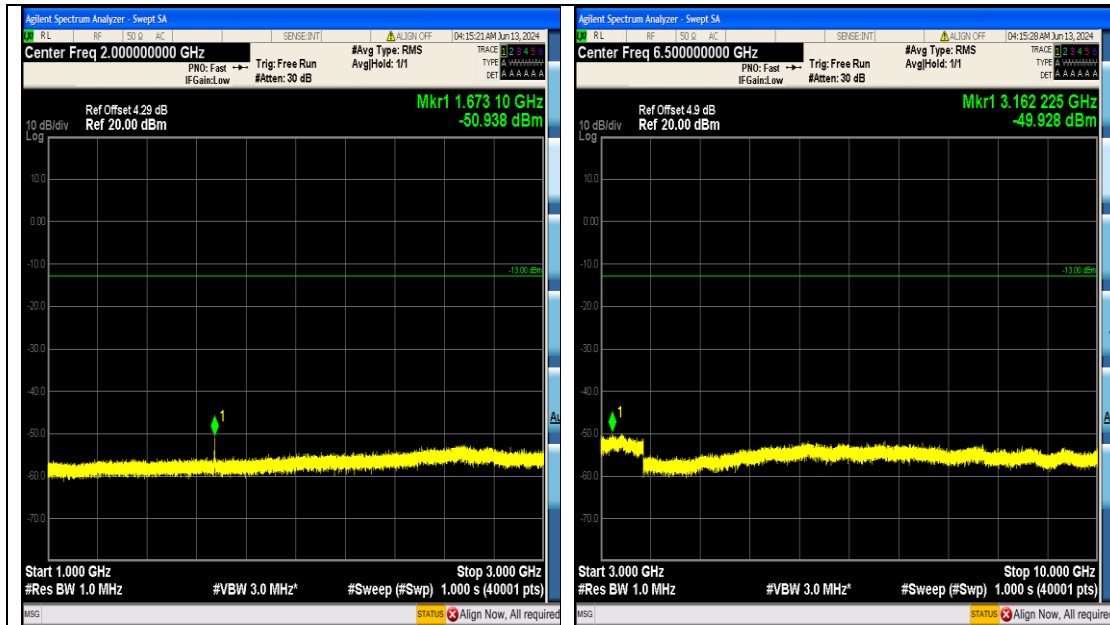
Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-49.71	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-47.65	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-57.86	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-60.89	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.64	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-49.82	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-47.14	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-58.93	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-57.49	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.44	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-49.49	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-46.75	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-59.73	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-66.61	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.64	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.92	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-47.07	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-57.93	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-62.40	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.68	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-49.98	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-48.52	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-58.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-60.69	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.66	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-49.72	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-47.20	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-59.08	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-66.61	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.42	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-49.88	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-43.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-56.70	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-63.07	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.65	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-49.44	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-45.05	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-59.57	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-62.64	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.53	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.83	PASS

# Test Graphs



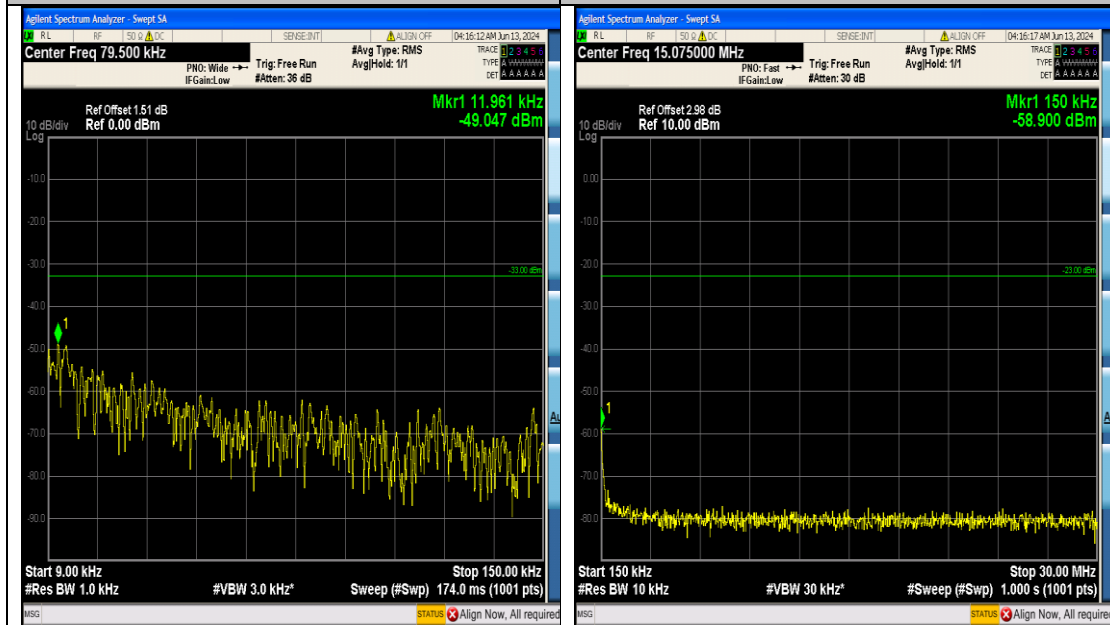






Band5\_1.4MHz\_QPSK\_20525\_6RB#0\_1000~3000\_1000~3000

Band5\_1.4MHz\_QPSK\_20525\_6RB#0\_3000~10000\_3000~10000



Band5\_1.4MHz\_QPSK\_20643\_6RB#0\_0.009~0.15\_0.009~0.15

Band5\_1.4MHz\_QPSK\_20643\_6RB#0\_0.15~30\_0.15~30

