

Appendix for LTE Band 26(814-824MHz)

Product Name: 5G Window CPE

Model No: TITAN 5100

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	22.51	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.43	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	22.52	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.39	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	22.51	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.41	PASS
26(814-824)	1.4MHz	QPSK	26697	3RB#0	22.52	PASS
26(814-824)	1.4MHz	16QAM	26697	3RB#0	22.47	PASS
26(814-824)	1.4MHz	QPSK	26697	3RB#1	22.49	PASS
26(814-824)	1.4MHz	16QAM	26697	3RB#1	22.54	PASS
26(814-824)	1.4MHz	QPSK	26697	3RB#3	22.56	PASS
26(814-824)	1.4MHz	16QAM	26697	3RB#3	22.44	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.50	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.56	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	22.56	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.48	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	22.61	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	22.53	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	22.58	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.47	PASS
26(814-824)	1.4MHz	QPSK	26740	3RB#0	22.60	PASS
26(814-824)	1.4MHz	16QAM	26740	3RB#0	22.50	PASS
26(814-824)	1.4MHz	QPSK	26740	3RB#1	22.59	PASS
26(814-824)	1.4MHz	16QAM	26740	3RB#1	22.66	PASS
26(814-824)	1.4MHz	QPSK	26740	3RB#3	22.61	PASS
26(814-824)	1.4MHz	16QAM	26740	3RB#3	22.61	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	22.61	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	21.63	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	22.47	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.48	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	22.56	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.52	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	22.54	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.56	PASS
26(814-824)	1.4MHz	QPSK	26783	3RB#0	22.48	PASS

26(814-824)	1.4MHz	16QAM	26783	3RB#0	22.46	PASS
26(814-824)	1.4MHz	QPSK	26783	3RB#1	22.51	PASS
26(814-824)	1.4MHz	16QAM	26783	3RB#1	22.56	PASS
26(814-824)	1.4MHz	QPSK	26783	3RB#3	22.58	PASS
26(814-824)	1.4MHz	16QAM	26783	3RB#3	22.59	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	22.52	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.73	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	22.53	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	22.57	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	22.57	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	22.54	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	22.50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	22.45	PASS
26(814-824)	3MHz	QPSK	26705	8RB#0	22.59	PASS
26(814-824)	3MHz	16QAM	26705	8RB#0	21.57	PASS
26(814-824)	3MHz	QPSK	26705	8RB#4	22.58	PASS
26(814-824)	3MHz	16QAM	26705	8RB#4	21.61	PASS
26(814-824)	3MHz	QPSK	26705	8RB#7	22.57	PASS
26(814-824)	3MHz	16QAM	26705	8RB#7	21.56	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	22.57	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	21.59	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	22.53	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	22.64	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	22.61	PASS
26(814-824)	3MHz	16QAM	26740	1RB#8	22.70	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	22.64	PASS
26(814-824)	3MHz	16QAM	26740	1RB#14	22.44	PASS
26(814-824)	3MHz	QPSK	26740	8RB#0	22.53	PASS
26(814-824)	3MHz	16QAM	26740	8RB#0	21.49	PASS
26(814-824)	3MHz	QPSK	26740	8RB#4	22.55	PASS
26(814-824)	3MHz	16QAM	26740	8RB#4	21.50	PASS
26(814-824)	3MHz	QPSK	26740	8RB#7	22.61	PASS
26(814-824)	3MHz	16QAM	26740	8RB#7	21.64	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	22.61	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	21.63	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	22.59	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	22.34	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	22.58	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	22.48	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	22.49	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	22.40	PASS
26(814-824)	3MHz	QPSK	26775	8RB#0	22.56	PASS

26(814-824)	3MHz	16QAM	26775	8RB#0	21.59	PASS
26(814-824)	3MHz	QPSK	26775	8RB#4	22.53	PASS
26(814-824)	3MHz	16QAM	26775	8RB#4	21.51	PASS
26(814-824)	3MHz	QPSK	26775	8RB#7	22.61	PASS
26(814-824)	3MHz	16QAM	26775	8RB#7	21.63	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	22.61	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	21.53	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	22.57	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	22.69	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	22.59	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	22.58	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	22.61	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	22.51	PASS
26(814-824)	5MHz	QPSK	26715	12RB#0	22.51	PASS
26(814-824)	5MHz	16QAM	26715	12RB#0	21.47	PASS
26(814-824)	5MHz	QPSK	26715	12RB#6	22.49	PASS
26(814-824)	5MHz	16QAM	26715	12RB#6	21.41	PASS
26(814-824)	5MHz	QPSK	26715	12RB#13	22.62	PASS
26(814-824)	5MHz	16QAM	26715	12RB#13	21.69	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	22.58	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	21.60	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	22.61	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	22.63	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	22.68	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	22.69	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	22.58	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	22.72	PASS
26(814-824)	5MHz	QPSK	26740	12RB#0	22.56	PASS
26(814-824)	5MHz	16QAM	26740	12RB#0	21.56	PASS
26(814-824)	5MHz	QPSK	26740	12RB#6	22.56	PASS
26(814-824)	5MHz	16QAM	26740	12RB#6	21.54	PASS
26(814-824)	5MHz	QPSK	26740	12RB#13	22.64	PASS
26(814-824)	5MHz	16QAM	26740	12RB#13	21.61	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	22.66	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	21.63	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	22.65	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	22.58	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	22.65	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	22.54	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	22.66	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	22.54	PASS
26(814-824)	5MHz	QPSK	26765	12RB#0	22.55	PASS

26(814-824)	5MHz	16QAM	26765	12RB#0	21.46	PASS
26(814-824)	5MHz	QPSK	26765	12RB#6	22.60	PASS
26(814-824)	5MHz	16QAM	26765	12RB#6	21.63	PASS
26(814-824)	5MHz	QPSK	26765	12RB#13	22.63	PASS
26(814-824)	5MHz	16QAM	26765	12RB#13	21.69	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	22.61	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	21.62	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	22.51	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	22.65	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	22.60	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	22.66	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	22.51	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	22.49	PASS
26(814-824)	10MHz	QPSK	26740	25RB#0	22.58	PASS
26(814-824)	10MHz	16QAM	26740	25RB#0	21.58	PASS
26(814-824)	10MHz	QPSK	26740	25RB#12	22.54	PASS
26(814-824)	10MHz	16QAM	26740	25RB#12	21.56	PASS
26(814-824)	10MHz	QPSK	26740	25RB#25	22.68	PASS
26(814-824)	10MHz	16QAM	26740	25RB#25	21.69	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	22.67	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	21.68	PASS

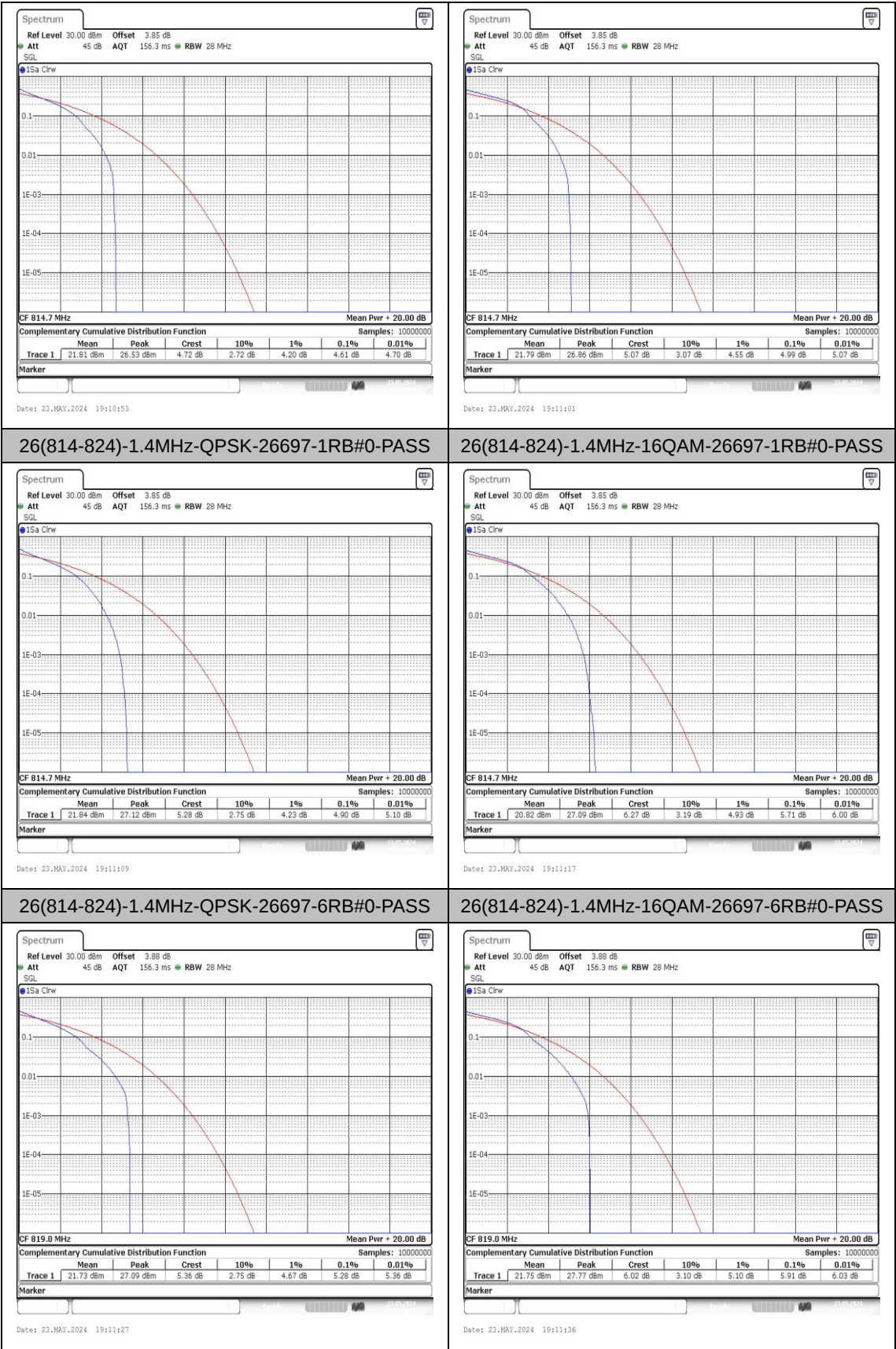
Appendix B: Peak-to-Average Ratio(CCDF)

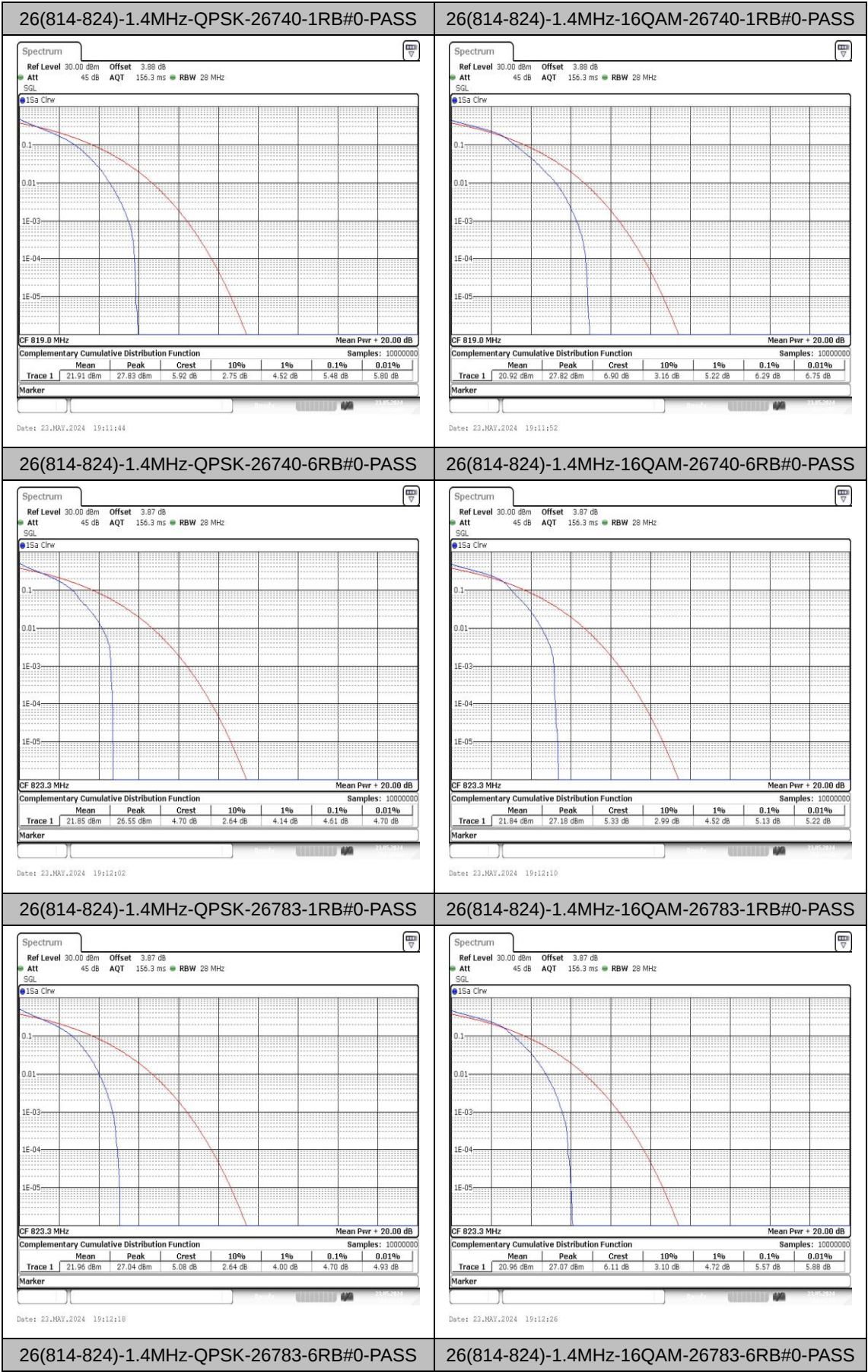
Test Result

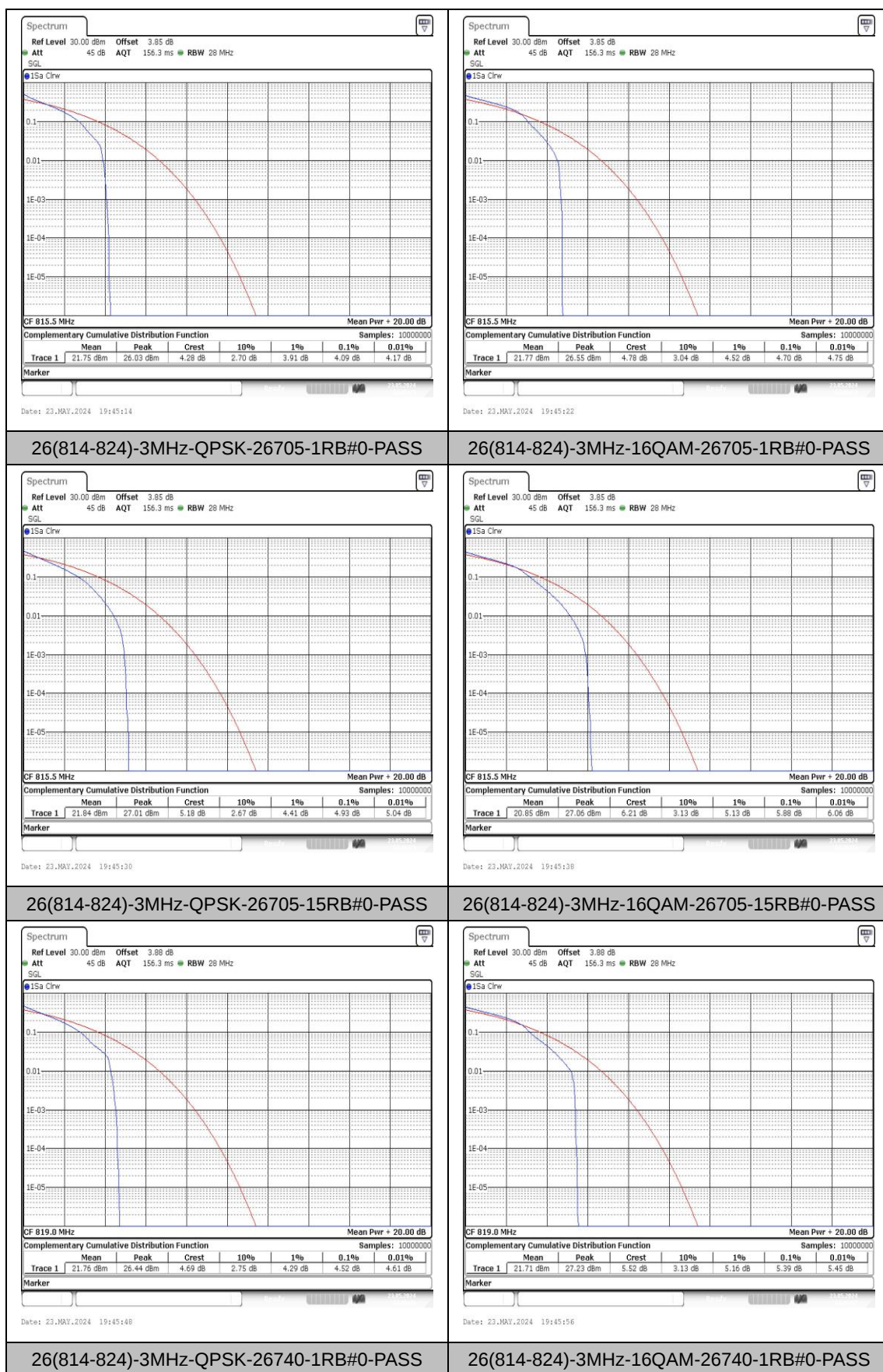
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	4.61	13	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	4.99	13	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	4.90	13	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.71	13	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	5.28	13	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	5.91	13	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.48	13	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.29	13	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	4.61	13	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	5.13	13	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	4.70	13	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	5.57	13	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	4.09	13	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	4.70	13	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	4.93	13	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	5.88	13	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	4.52	13	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	5.39	13	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	5.13	13	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	6.09	13	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	4.23	13	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	4.99	13	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	4.58	13	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	5.57	13	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	4.17	13	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	4.72	13	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	5.13	13	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	6.09	13	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	4.55	13	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	5.25	13	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	5.13	13	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	6.09	13	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	4.49	13	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	5.25	13	PASS

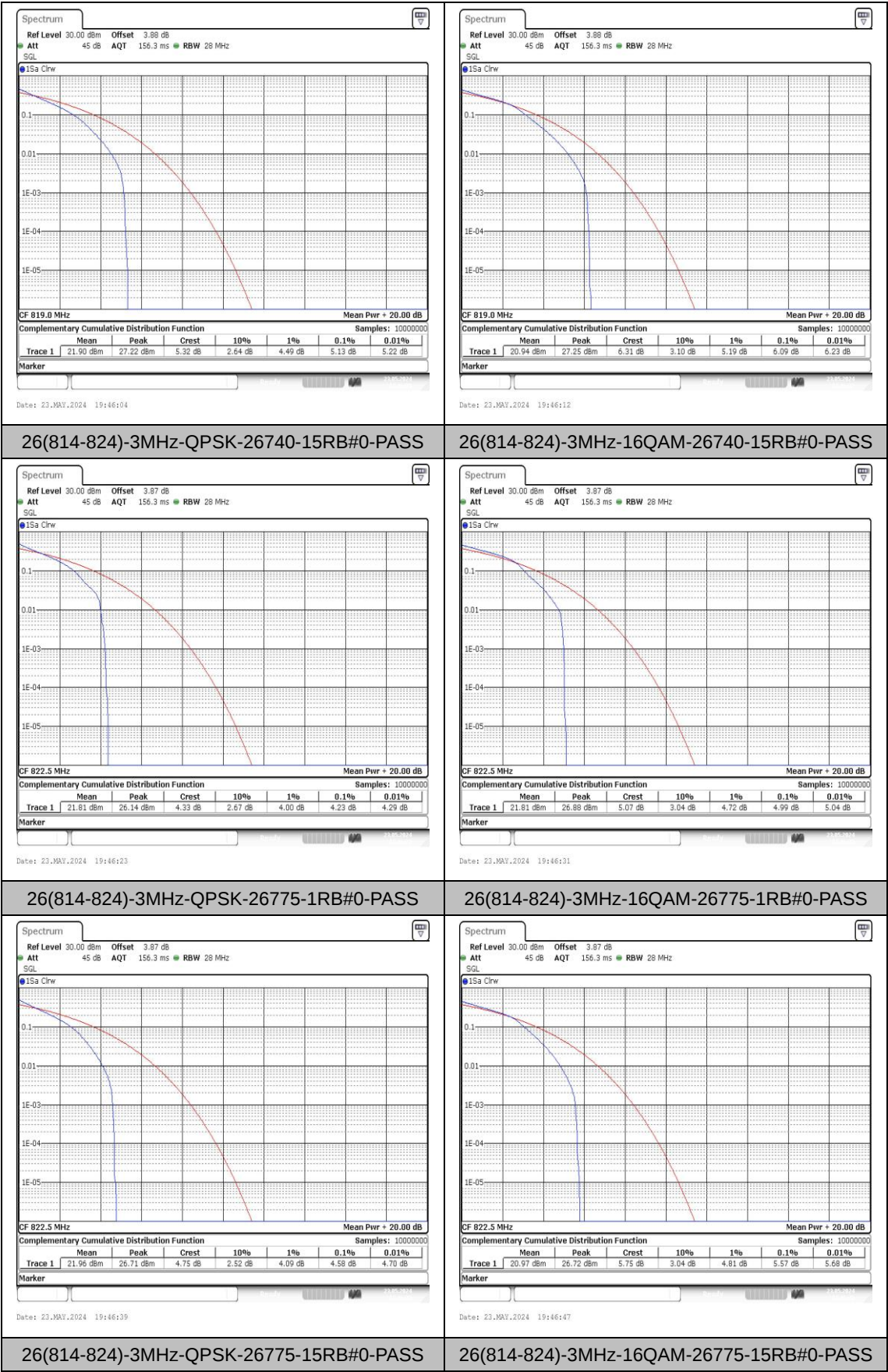
26(814-824)	5MHz	QPSK	26765	25RB#0	4.78	13	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	5.77	13	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	4.20	13	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	4.72	13	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	5.01	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	5.97	13	PASS

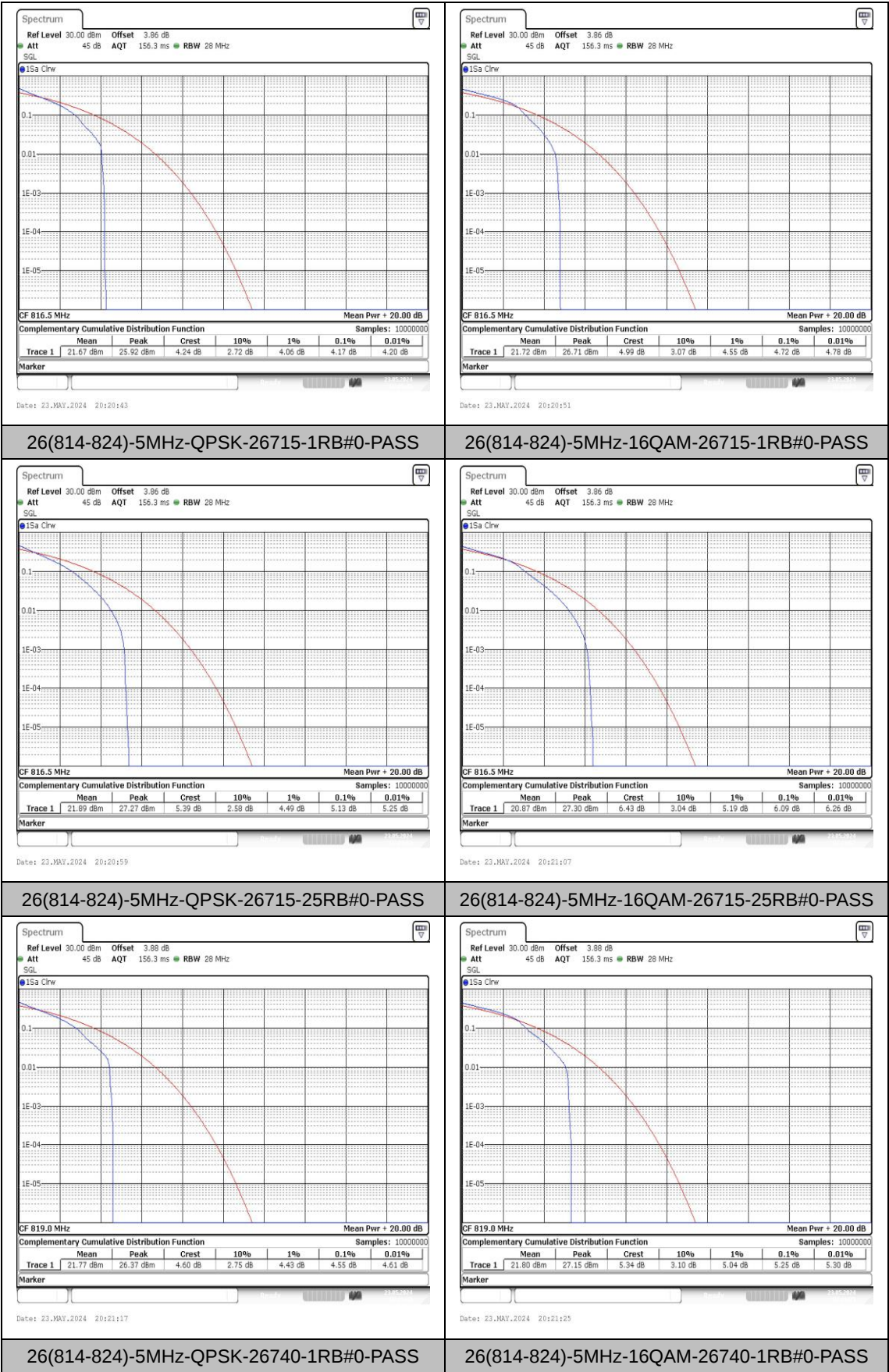
Test Graphs

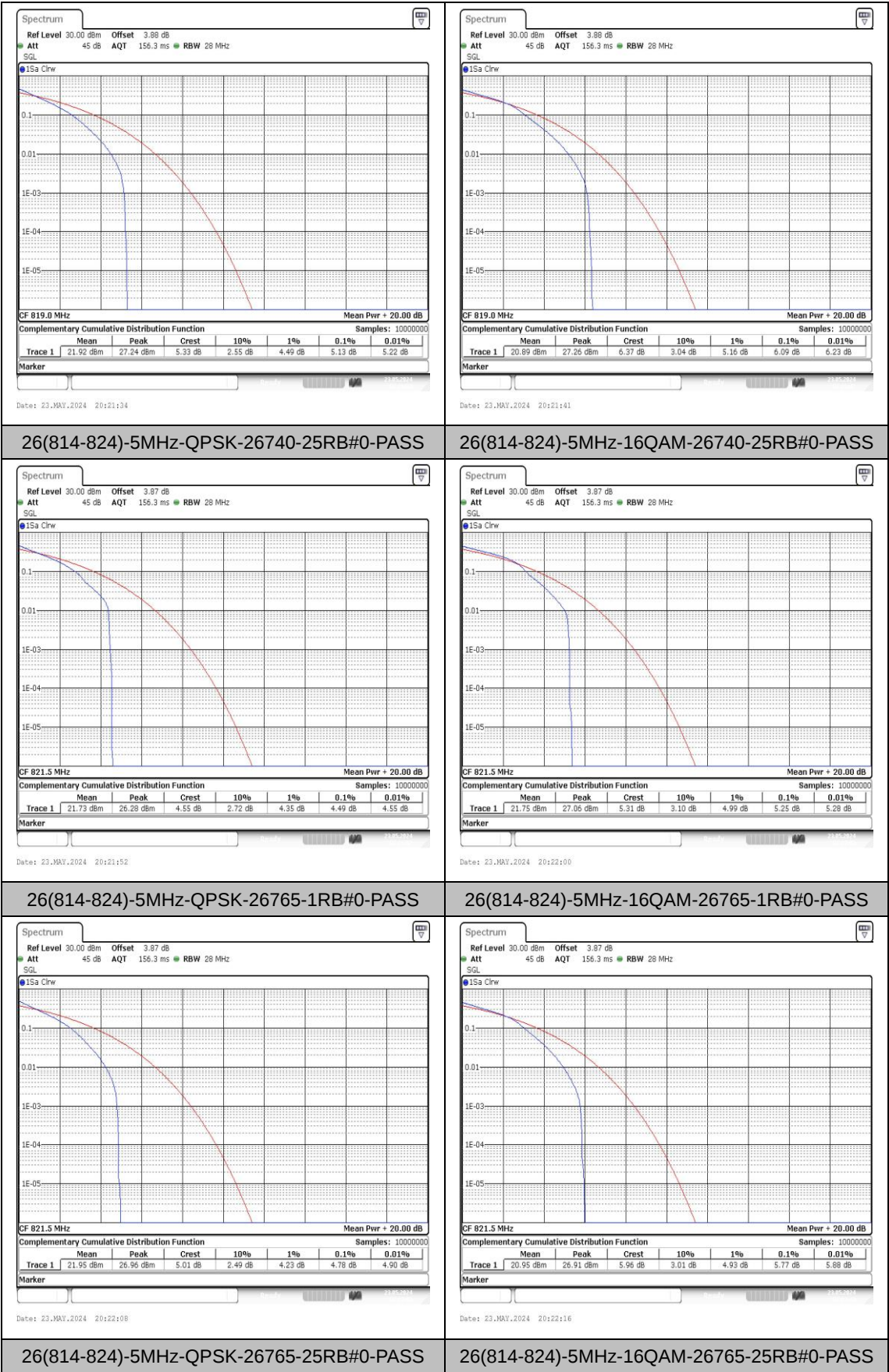


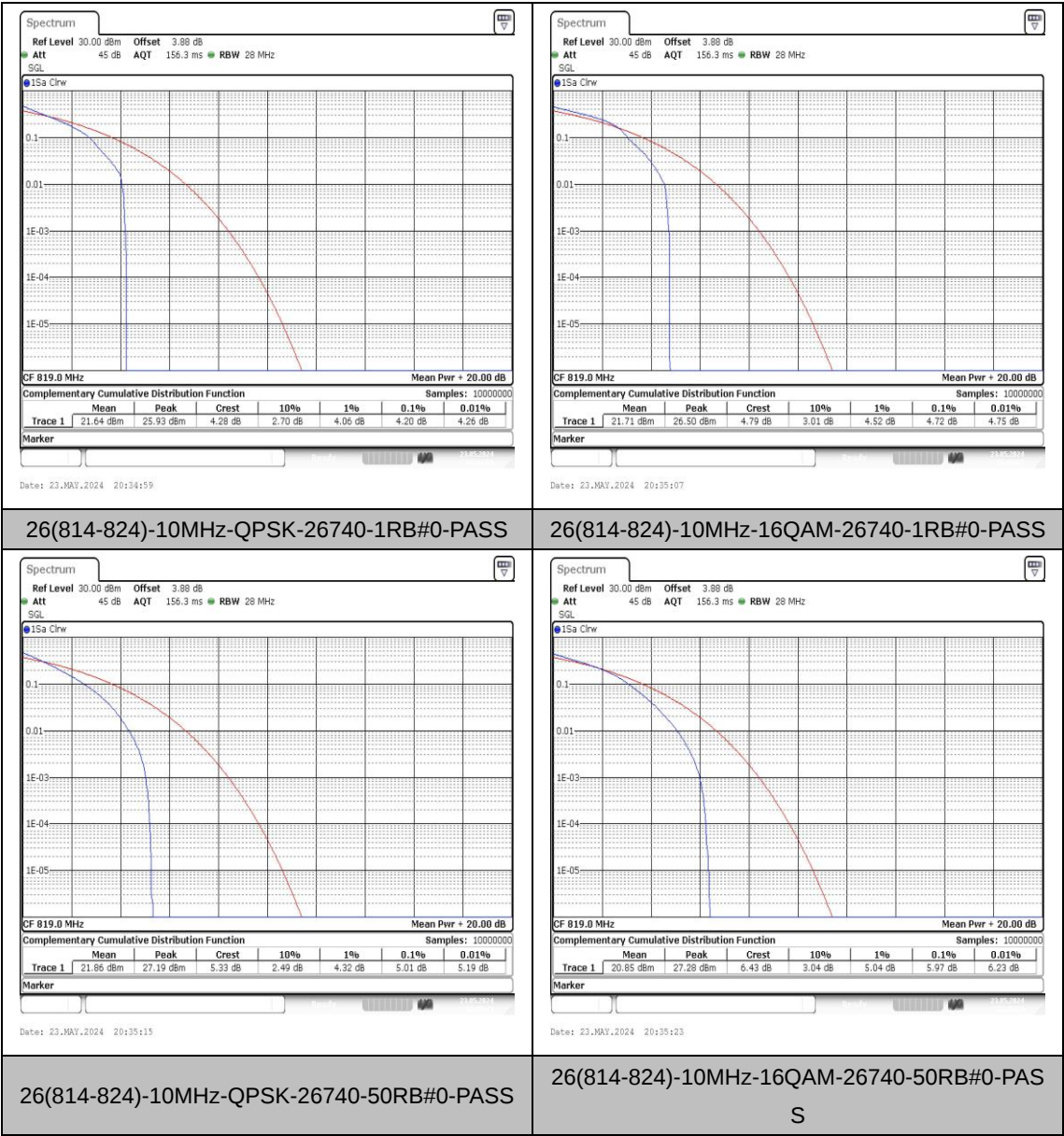












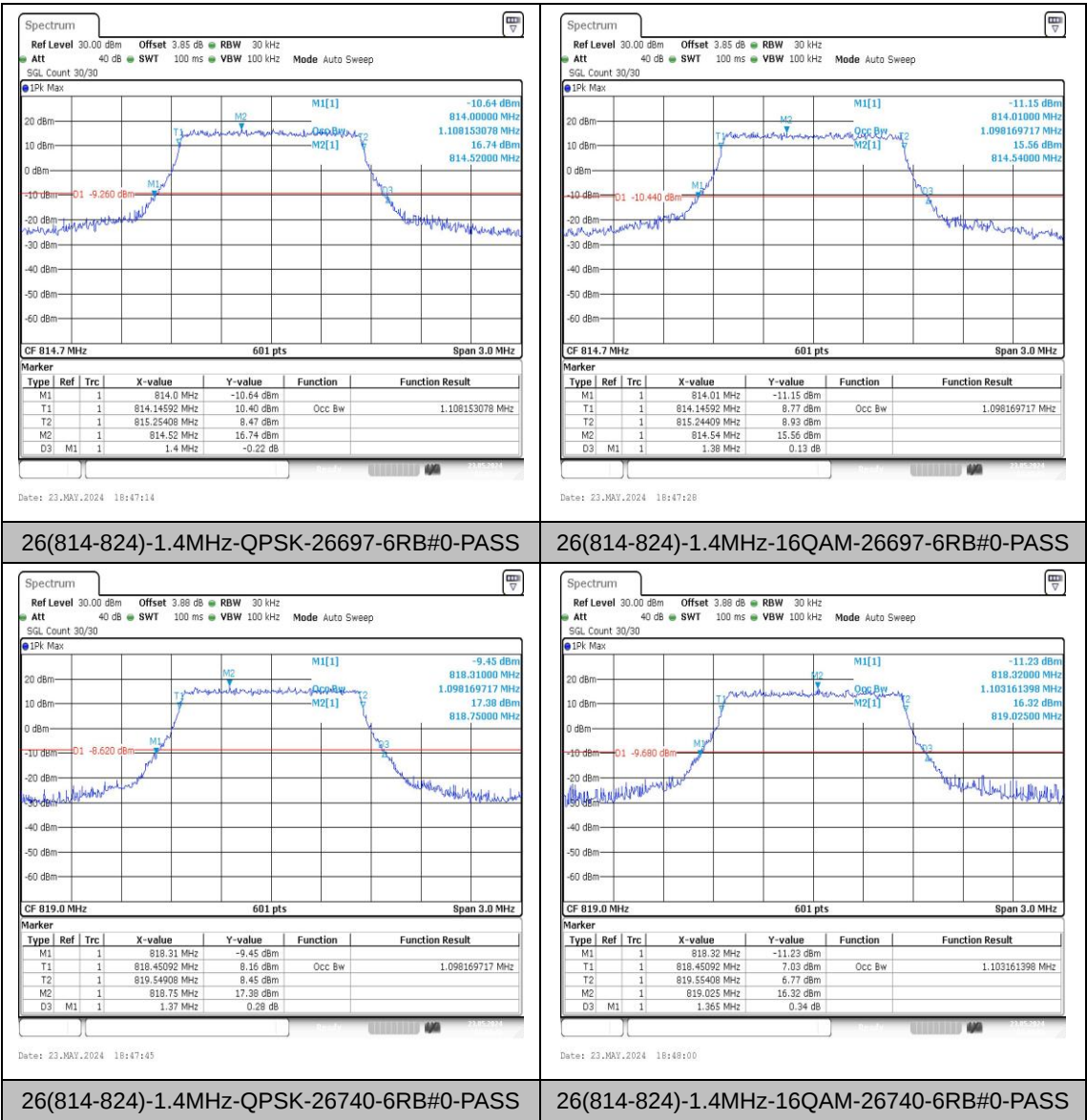
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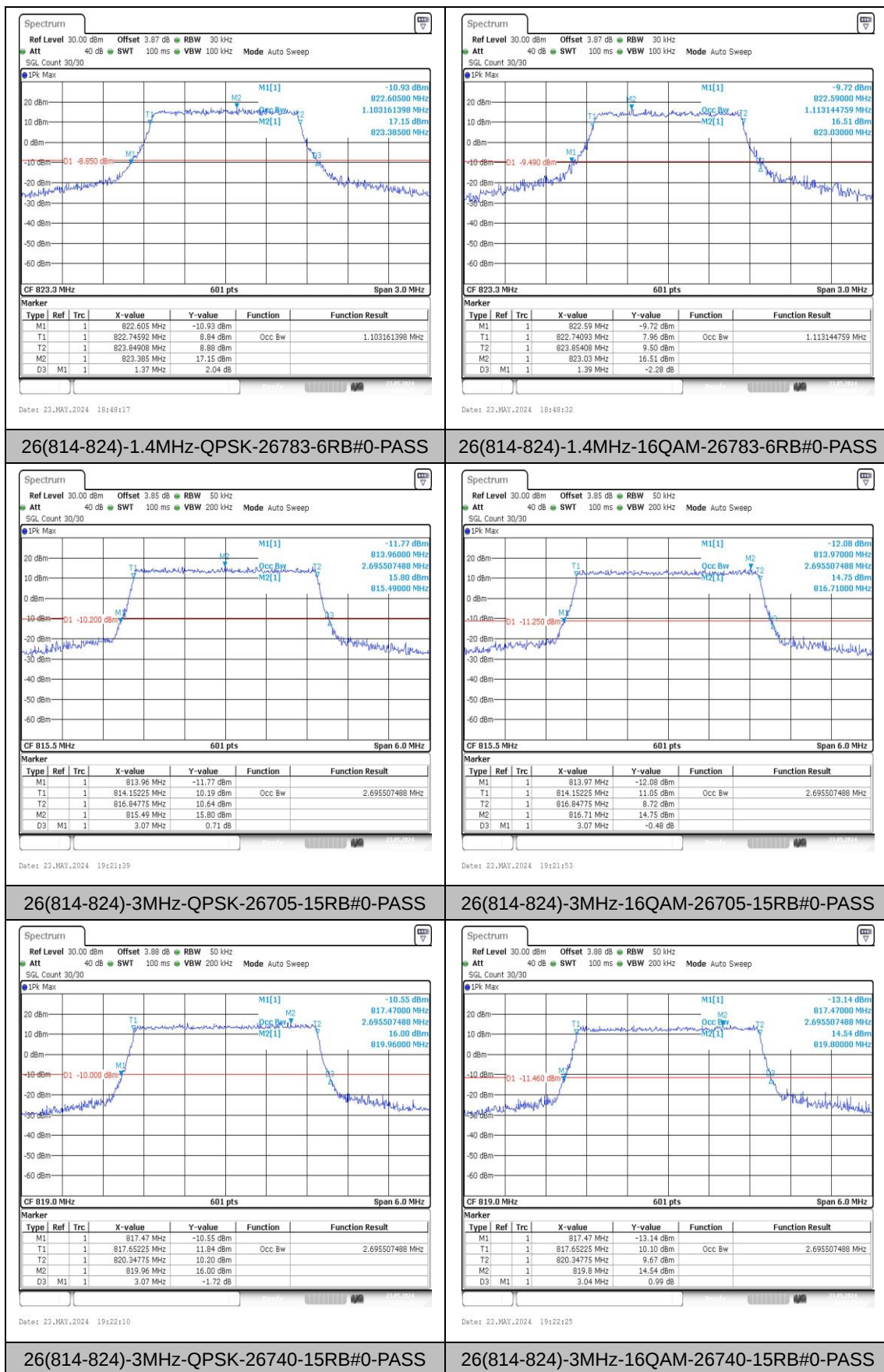
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.108	1.40	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.098	1.38	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.098	1.37	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.103	1.36	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.103	1.37	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.113	1.39	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.696	3.07	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.696	3.07	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.696	3.07	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.696	3.04	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.705	3.08	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.715	3.10	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.535	5.22	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.535	5.24	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.525	5.13	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.525	5.15	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.515	5.16	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.525	5.20	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.985	10.07	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	9.018	10.07	PASS

Test Graphs







26(814-824)-3MHz-OPSK-26775-15RB#0-PASS



26(814-824)-3MHz-16OAM-26775-15RB#0-PASS



26(814-824)-5MHz-OPSK-26715-25RB#0-PASS



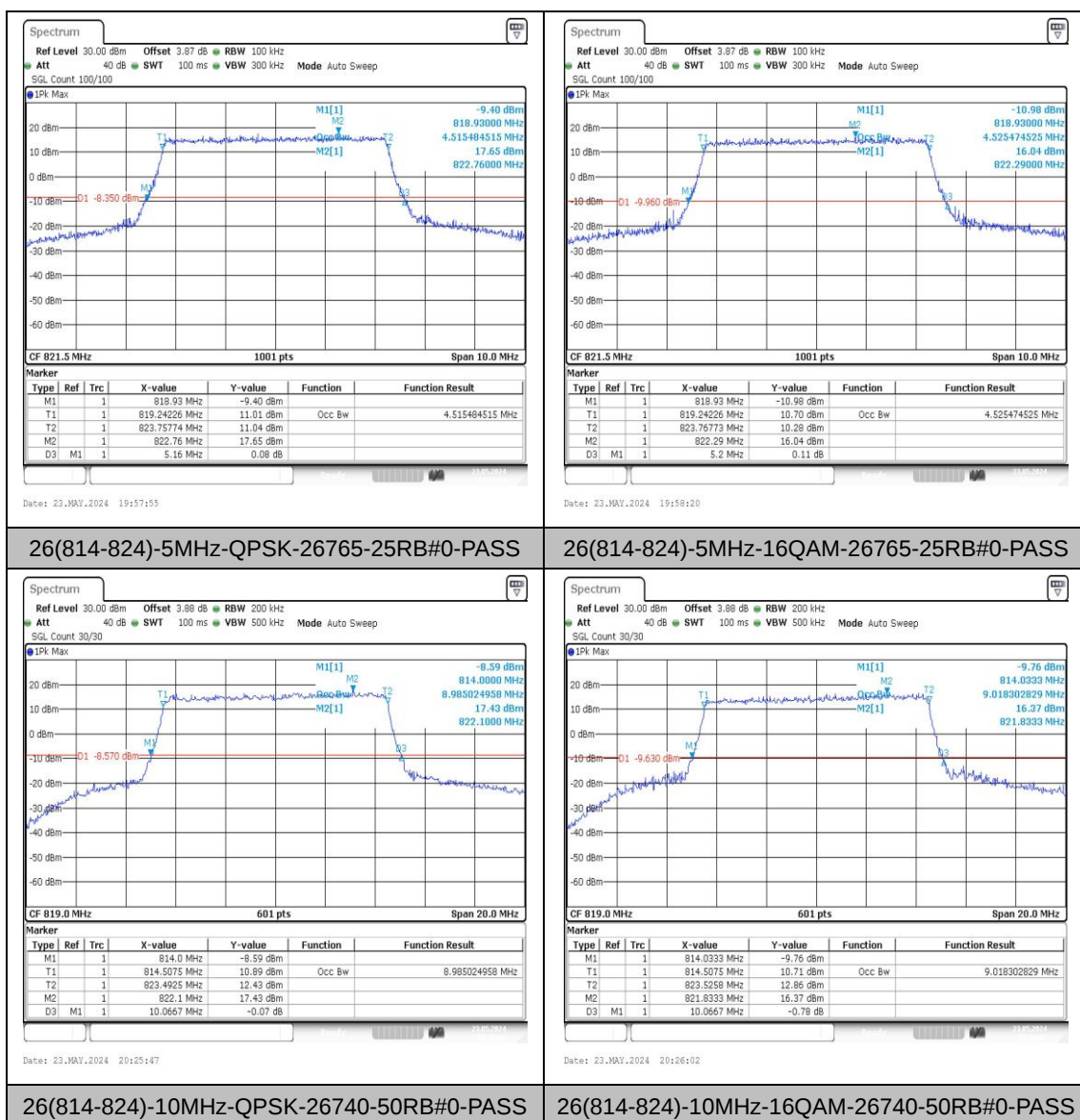
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26(814-824)-5MHz-QPSK-26740-25RB#0-PASS



26(814-824)-5MHz-16QAM-26740-25RB#0-PASS



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	-17.60	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	-18.36	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	-18.28	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	-18.11	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	-21.14	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	-21.47	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	-18.95	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	-17.99	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	-18.67	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	-18.45	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	-20.33	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	-21.86	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	-21.17	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	-20.46	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	-23.11	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	-20.79	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	-23.00	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	-23.99	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	-23.70	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	-21.55	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	-22.92	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	-21.58	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	-22.98	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	-23.85	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	-24.98	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	-23.74	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	-25.78	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	-25.78	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	-24.54	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	-25.78	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	-25.67	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	-25.72	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	-25.69	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	-25.42	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	-24.58	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	-26.27	PASS

26(814-824)	10MHz	QPSK	26740	1RB#0	-37.10	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	-35.70	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	-37.62	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	-36.15	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	-30.01	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	-31.44	PASS

Test Graphs

