

Appendix for LTE Band 26 (814-824)

Product Name: 5G Indoor CPE

Model No: TITAN 5000

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	22.48	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.38	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	22.50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.34	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	22.51	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.47	PASS
26(814-824)	1.4MHz	QPSK	26697	3RB#0	22.53	PASS
26(814-824)	1.4MHz	16QAM	26697	3RB#0	22.55	PASS
26(814-824)	1.4MHz	QPSK	26697	3RB#1	22.53	PASS
26(814-824)	1.4MHz	16QAM	26697	3RB#1	22.49	PASS
26(814-824)	1.4MHz	QPSK	26697	3RB#3	22.53	PASS
26(814-824)	1.4MHz	16QAM	26697	3RB#3	22.61	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.55	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.48	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	22.57	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.45	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	22.58	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	22.64	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	22.55	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.49	PASS
26(814-824)	1.4MHz	QPSK	26740	3RB#0	22.61	PASS
26(814-824)	1.4MHz	16QAM	26740	3RB#0	22.56	PASS
26(814-824)	1.4MHz	QPSK	26740	3RB#1	22.63	PASS
26(814-824)	1.4MHz	16QAM	26740	3RB#1	22.67	PASS
26(814-824)	1.4MHz	QPSK	26740	3RB#3	22.63	PASS
26(814-824)	1.4MHz	16QAM	26740	3RB#3	22.58	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	22.61	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	21.70	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	22.48	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.48	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	22.70	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.54	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	22.59	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.50	PASS
26(814-824)	1.4MHz	QPSK	26783	3RB#0	22.52	PASS
26(814-824)	1.4MHz	16QAM	26783	3RB#0	22.54	PASS

26(814-824)	1.4MHz	QPSK	26783	3RB#1	22.50	PASS
26(814-824)	1.4MHz	16QAM	26783	3RB#1	22.56	PASS
26(814-824)	1.4MHz	QPSK	26783	3RB#3	22.59	PASS
26(814-824)	1.4MHz	16QAM	26783	3RB#3	22.55	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	22.53	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.63	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	22.54	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	22.68	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	22.63	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	22.66	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	22.54	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	22.65	PASS
26(814-824)	3MHz	QPSK	26705	8RB#0	22.63	PASS
26(814-824)	3MHz	16QAM	26705	8RB#0	21.63	PASS
26(814-824)	3MHz	QPSK	26705	8RB#4	22.64	PASS
26(814-824)	3MHz	16QAM	26705	8RB#4	21.64	PASS
26(814-824)	3MHz	QPSK	26705	8RB#7	22.62	PASS
26(814-824)	3MHz	16QAM	26705	8RB#7	21.62	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	22.60	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	21.66	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	22.53	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	22.74	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	22.69	PASS
26(814-824)	3MHz	16QAM	26740	1RB#8	22.61	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	22.70	PASS
26(814-824)	3MHz	16QAM	26740	1RB#14	22.71	PASS
26(814-824)	3MHz	QPSK	26740	8RB#0	22.61	PASS
26(814-824)	3MHz	16QAM	26740	8RB#0	21.61	PASS
26(814-824)	3MHz	QPSK	26740	8RB#4	22.59	PASS
26(814-824)	3MHz	16QAM	26740	8RB#4	21.52	PASS
26(814-824)	3MHz	QPSK	26740	8RB#7	22.68	PASS
26(814-824)	3MHz	16QAM	26740	8RB#7	21.69	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	22.70	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	21.67	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	22.52	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	22.51	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	22.62	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	22.64	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	22.65	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	22.34	PASS
26(814-824)	3MHz	QPSK	26775	8RB#0	22.65	PASS
26(814-824)	3MHz	16QAM	26775	8RB#0	21.60	PASS

26(814-824)	3MHz	QPSK	26775	8RB#4	22.64	PASS
26(814-824)	3MHz	16QAM	26775	8RB#4	21.67	PASS
26(814-824)	3MHz	QPSK	26775	8RB#7	22.65	PASS
26(814-824)	3MHz	16QAM	26775	8RB#7	21.63	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	22.68	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	21.64	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	22.53	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	22.53	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	22.65	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	22.60	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	22.61	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	22.64	PASS
26(814-824)	5MHz	QPSK	26715	12RB#0	22.55	PASS
26(814-824)	5MHz	16QAM	26715	12RB#0	21.45	PASS
26(814-824)	5MHz	QPSK	26715	12RB#6	22.58	PASS
26(814-824)	5MHz	16QAM	26715	12RB#6	21.51	PASS
26(814-824)	5MHz	QPSK	26715	12RB#13	22.66	PASS
26(814-824)	5MHz	16QAM	26715	12RB#13	21.62	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	22.66	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	21.68	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	22.57	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	22.73	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	22.74	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	22.77	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	22.67	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	22.67	PASS
26(814-824)	5MHz	QPSK	26740	12RB#0	22.58	PASS
26(814-824)	5MHz	16QAM	26740	12RB#0	21.61	PASS
26(814-824)	5MHz	QPSK	26740	12RB#6	22.59	PASS
26(814-824)	5MHz	16QAM	26740	12RB#6	21.50	PASS
26(814-824)	5MHz	QPSK	26740	12RB#13	22.64	PASS
26(814-824)	5MHz	16QAM	26740	12RB#13	21.81	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	22.70	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	21.69	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	22.61	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	22.78	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	22.69	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	22.64	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	22.60	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	22.61	PASS
26(814-824)	5MHz	QPSK	26765	12RB#0	22.63	PASS
26(814-824)	5MHz	16QAM	26765	12RB#0	21.59	PASS

26(814-824)	5MHz	QPSK	26765	12RB#6	22.59	PASS
26(814-824)	5MHz	16QAM	26765	12RB#6	21.67	PASS
26(814-824)	5MHz	QPSK	26765	12RB#13	22.64	PASS
26(814-824)	5MHz	16QAM	26765	12RB#13	21.67	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	22.64	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	21.65	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	22.65	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	22.54	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	22.63	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	22.69	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	22.50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	22.53	PASS
26(814-824)	10MHz	QPSK	26740	25RB#0	22.60	PASS
26(814-824)	10MHz	16QAM	26740	25RB#0	21.55	PASS
26(814-824)	10MHz	QPSK	26740	25RB#12	22.57	PASS
26(814-824)	10MHz	16QAM	26740	25RB#12	21.57	PASS
26(814-824)	10MHz	QPSK	26740	25RB#25	22.66	PASS
26(814-824)	10MHz	16QAM	26740	25RB#25	21.68	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	22.67	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	21.70	PASS

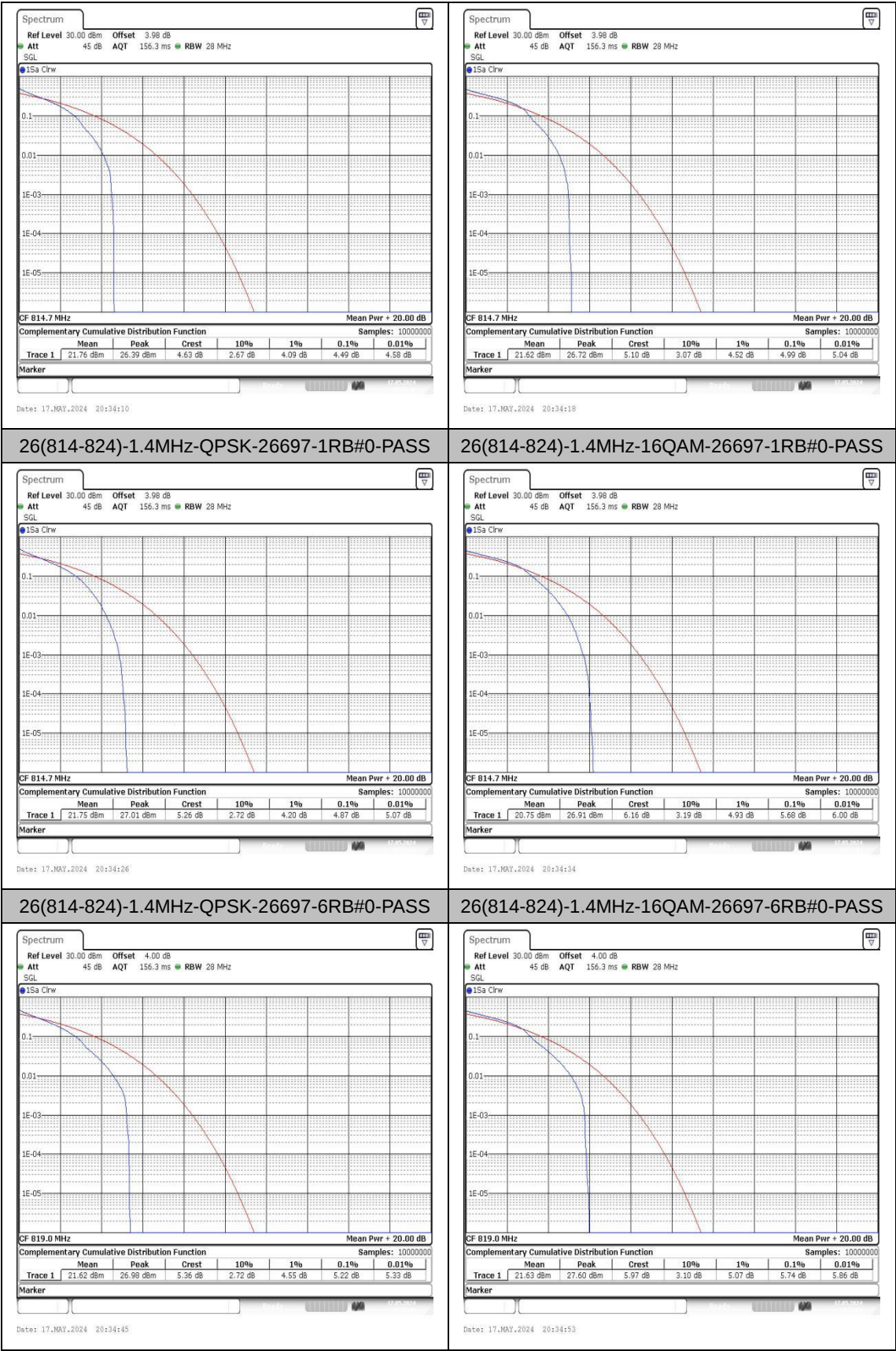
Appendix B: Peak-to-Average Ratio(CCDF)

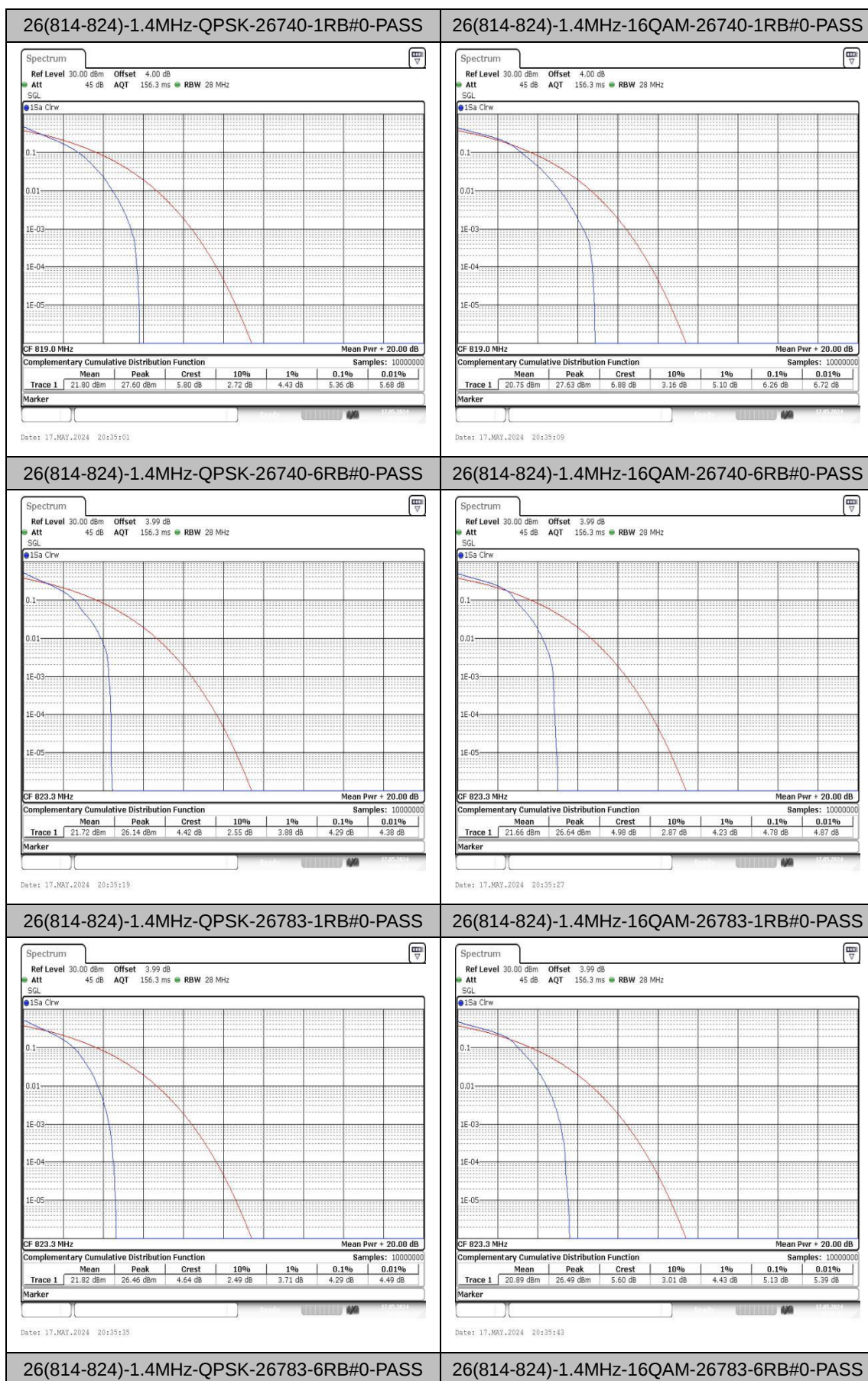
Test Result

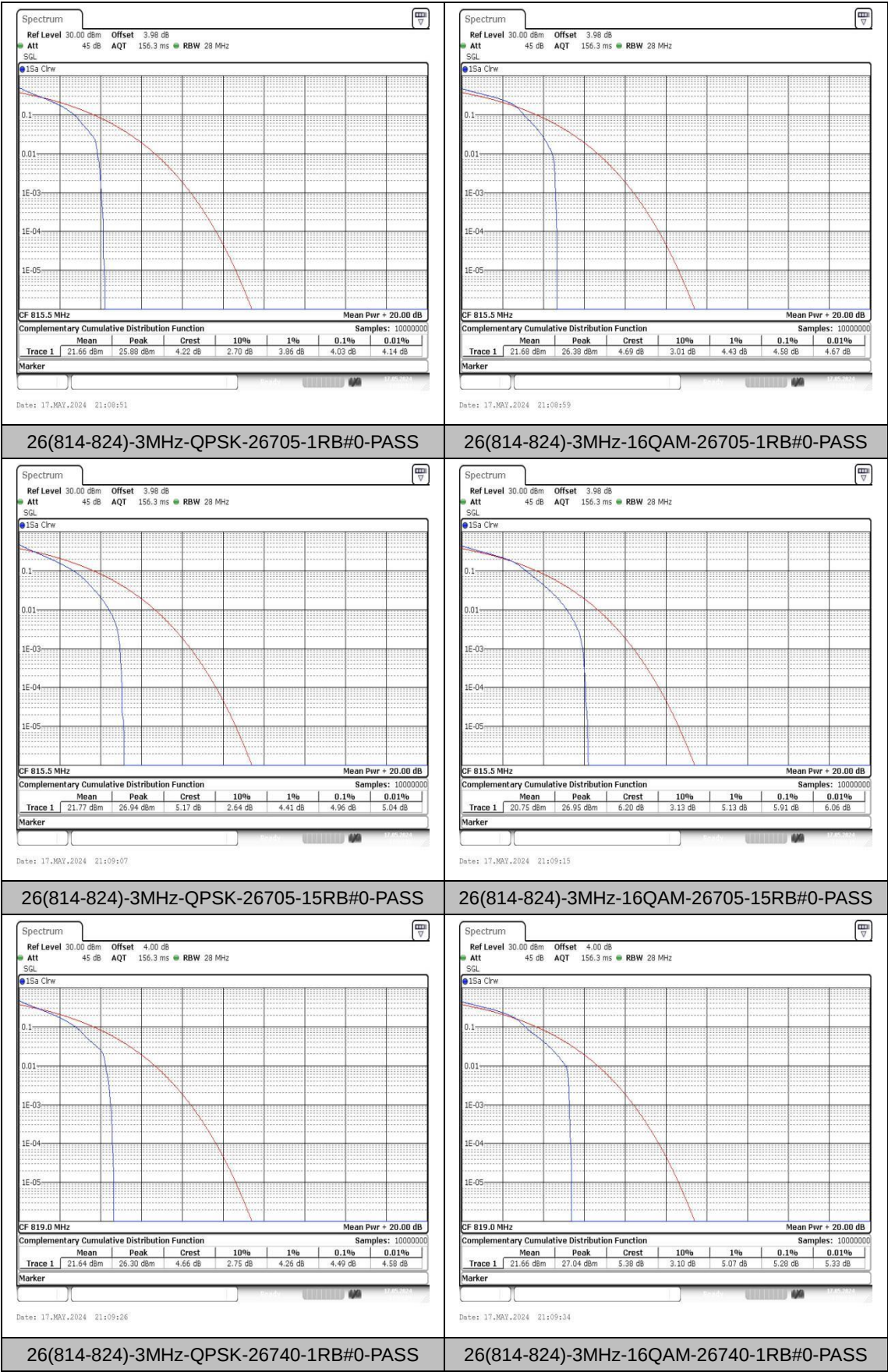
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	4.49	13	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	4.99	13	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	4.87	13	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.68	13	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	5.22	13	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	5.74	13	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.36	13	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.26	13	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	4.29	13	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	4.78	13	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	4.29	13	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	5.13	13	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	4.03	13	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	4.58	13	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	4.96	13	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	5.91	13	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	4.49	13	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	5.28	13	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	5.01	13	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	6.03	13	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	4.06	13	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	4.75	13	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	4.29	13	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	5.22	13	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	4.09	13	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	4.67	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	5.01	13	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	6.00	13	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	4.38	13	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	5.10	13	PASS

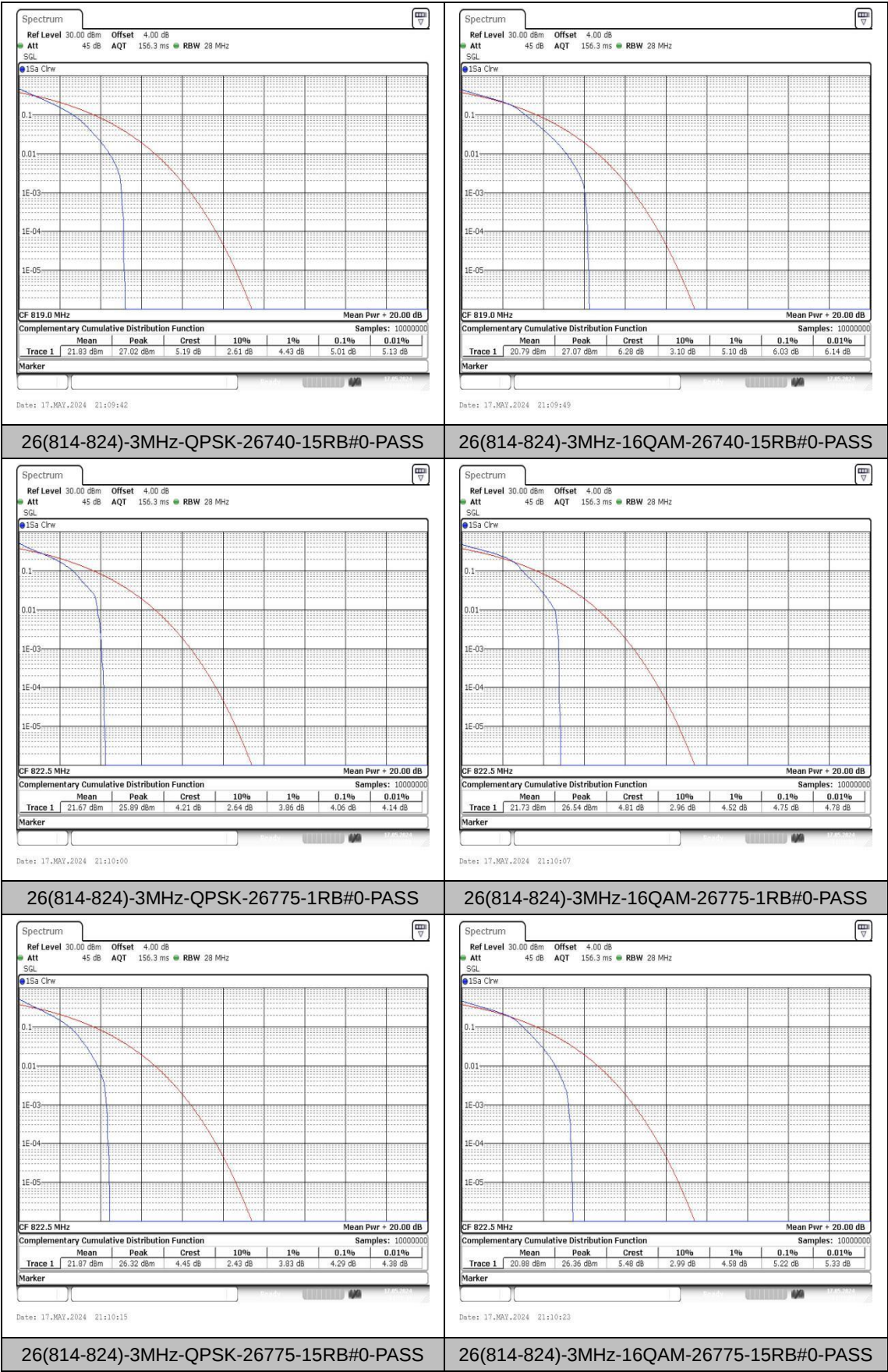
26(814-824)	5MHz	QPSK	26765	25RB#0	4.55	13	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	5.51	13	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	4.14	13	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	4.70	13	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	4.90	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	5.86	13	PASS

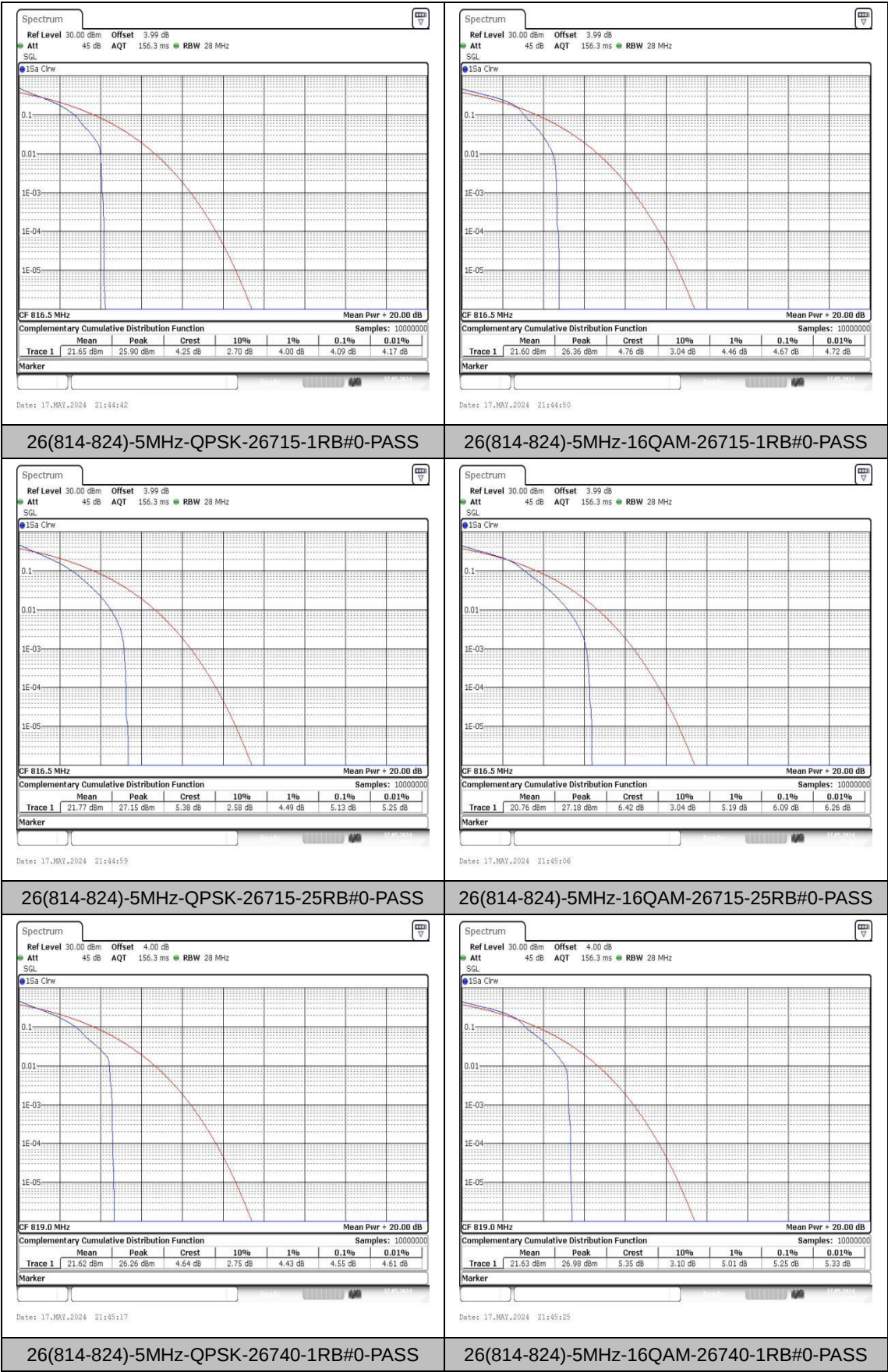
Test Graphs

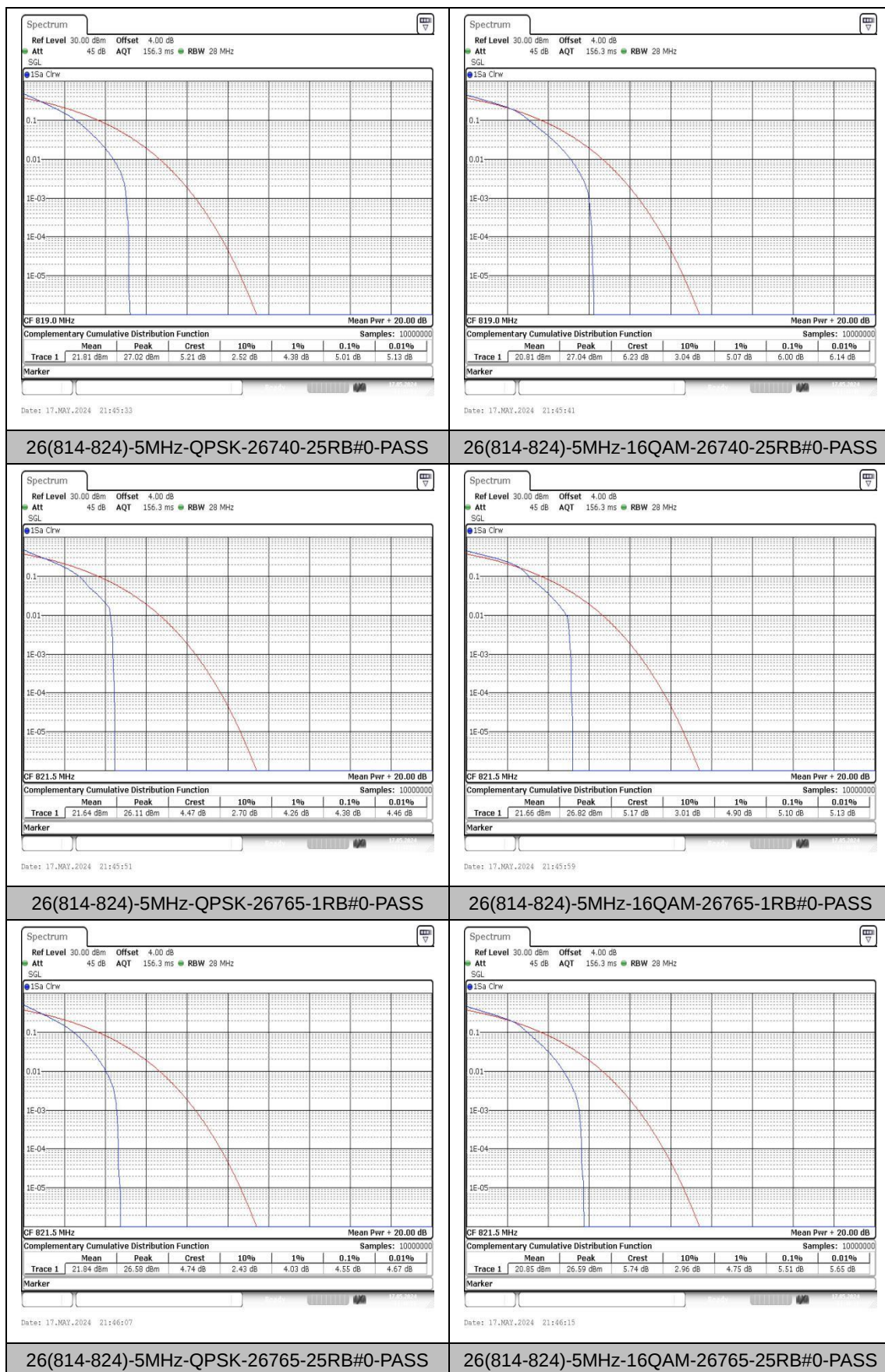


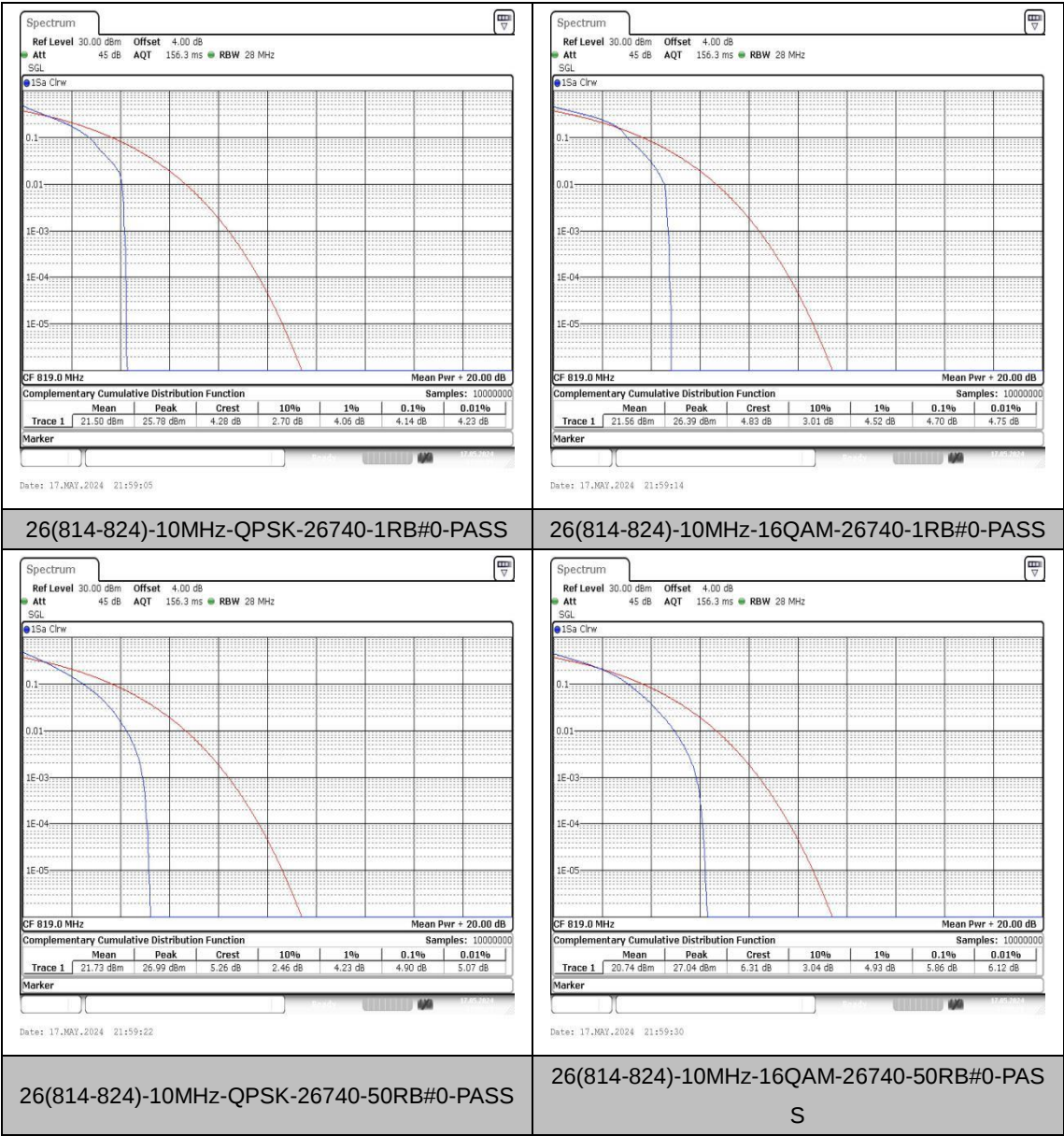










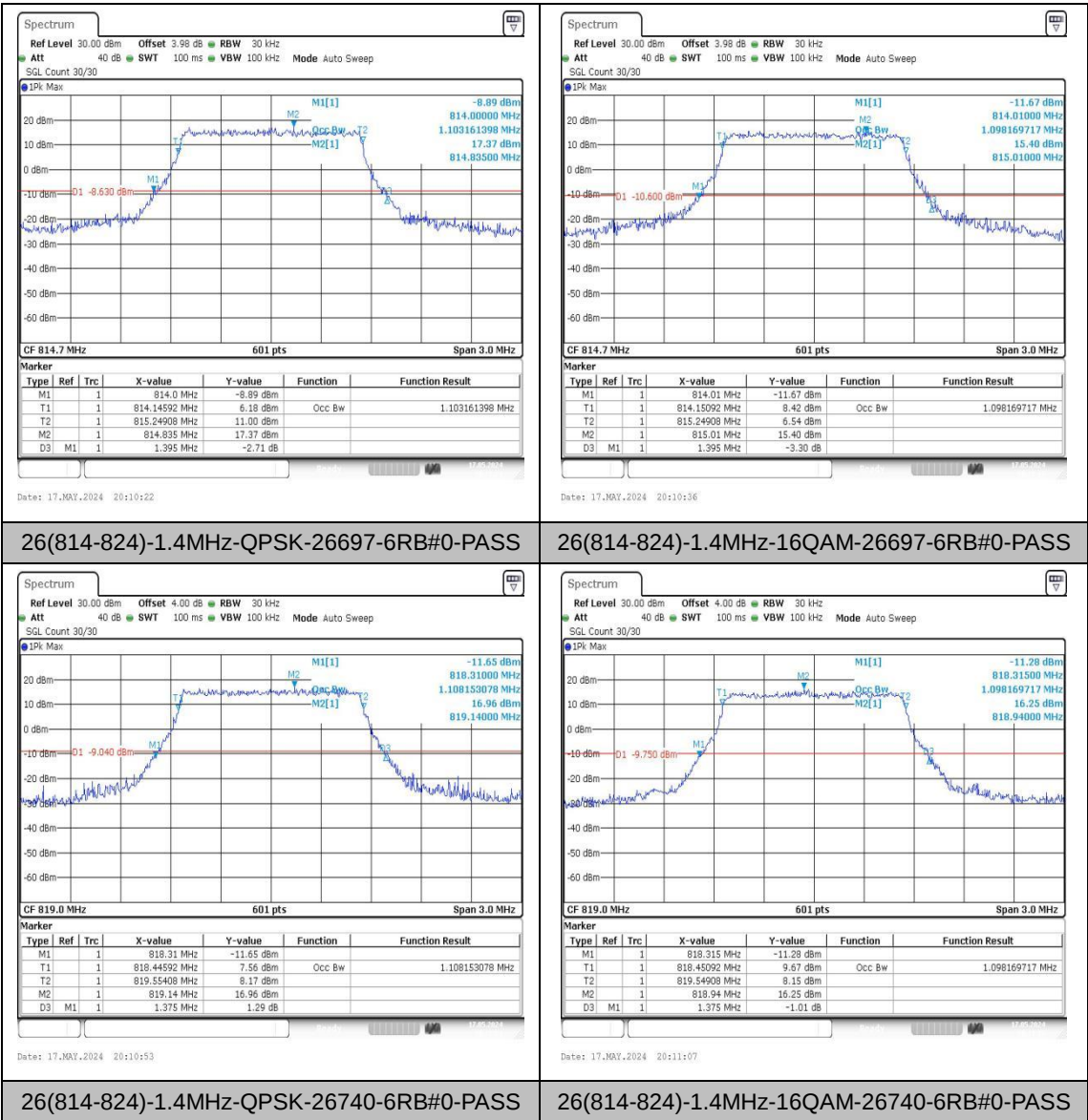


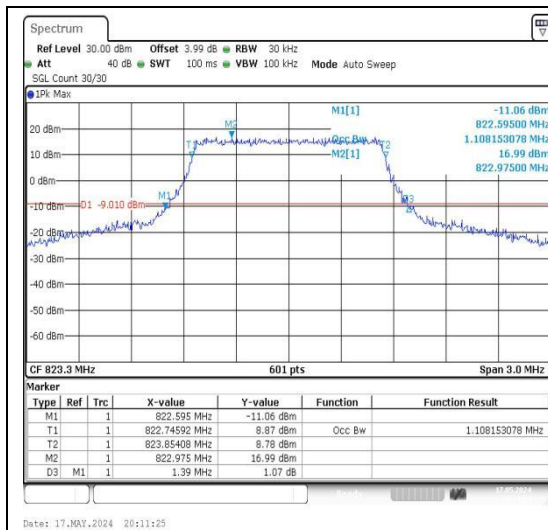
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

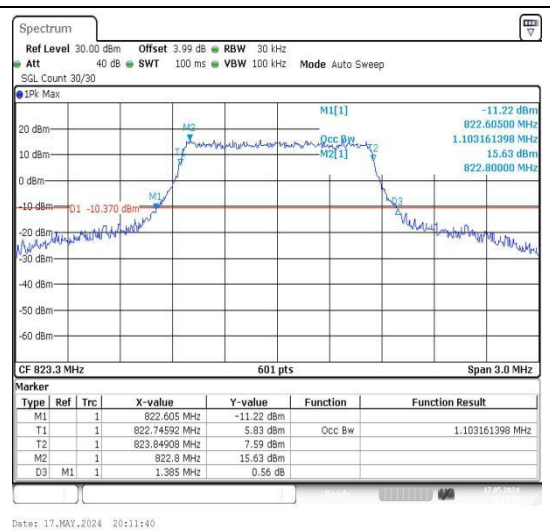
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.103	1.40	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.098	1.40	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.108	1.38	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.098	1.38	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.108	1.39	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.103	1.39	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.705	3.08	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.705	3.07	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.696	3.06	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.705	3.03	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.696	3.08	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.705	3.05	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.525	5.20	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.525	5.23	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.525	5.20	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.535	5.20	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.535	5.23	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.525	5.21	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.952	10.07	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	9.018	10.10	PASS

Test Graphs

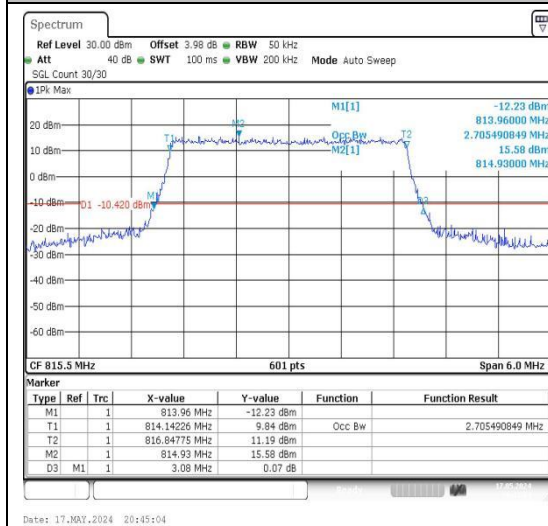




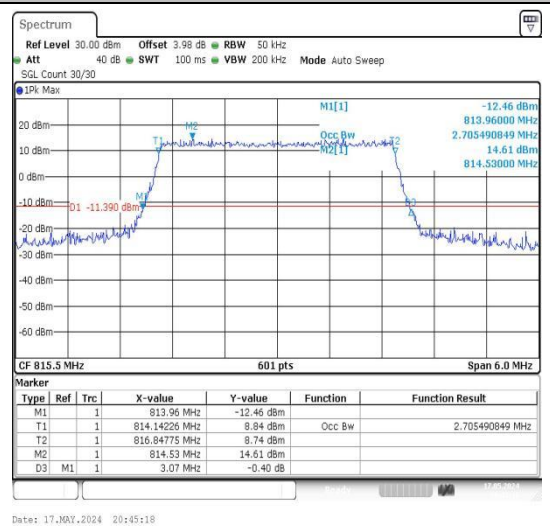
26(814-824)-1.4MHz-QPSK-26783-6RB#0-PASS



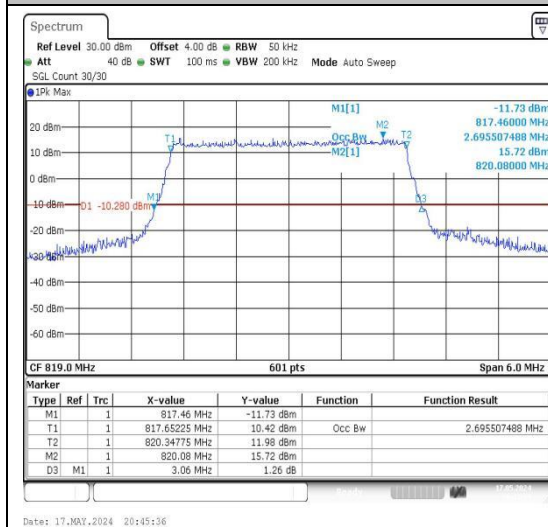
26(814-824)-1.4MHz-16QAM-26783-6RB#0-PASS



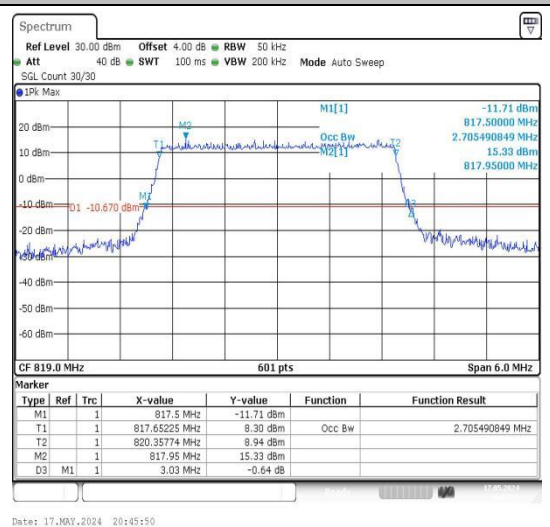
26(814-824)-3MHz-QPSK-26705-15RB#0-PASS



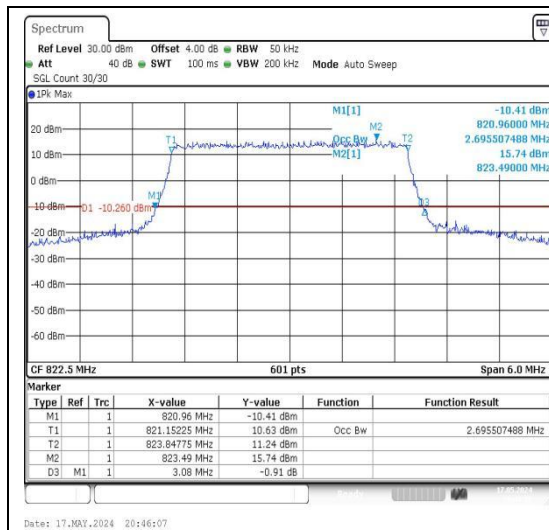
26(814-824)-3MHz-16QAM-26705-15RB#0-PASS



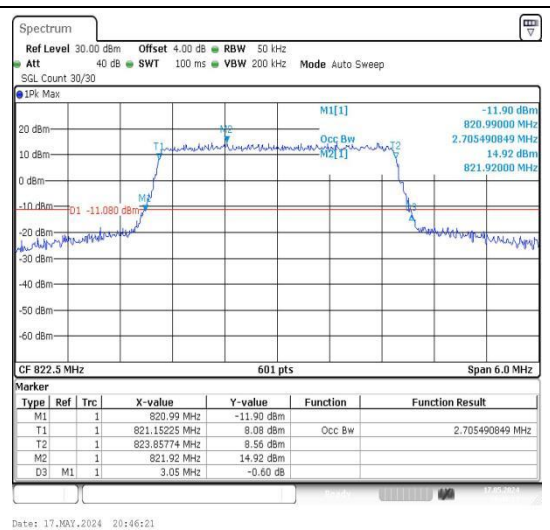
26(814-824)-3MHz-QPSK-26740-15RB#0-PASS



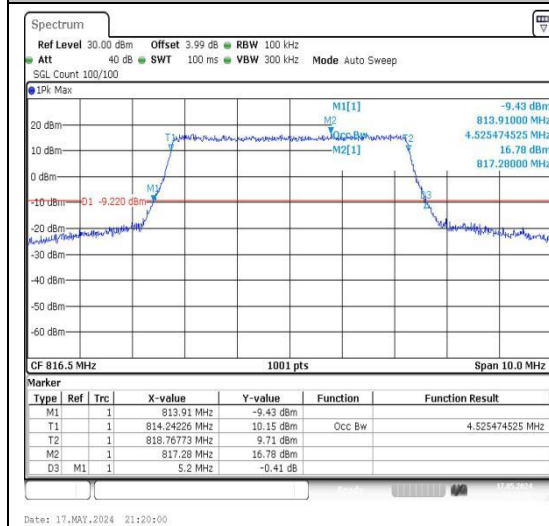
26(814-824)-3MHz-16QAM-26740-15RB#0-PASS



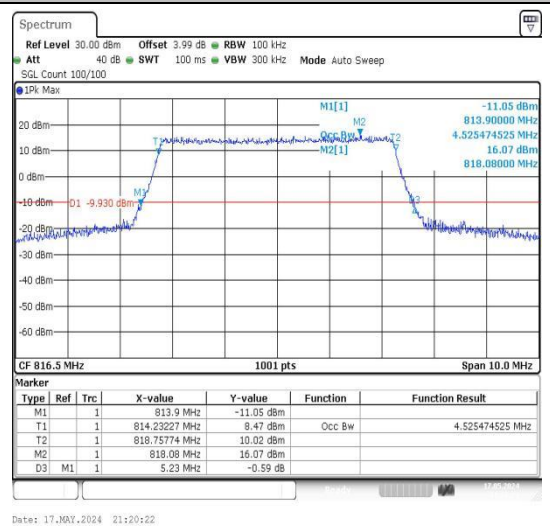
26(814-824)-3MHz-QPSK-26775-15RB#0-PASS



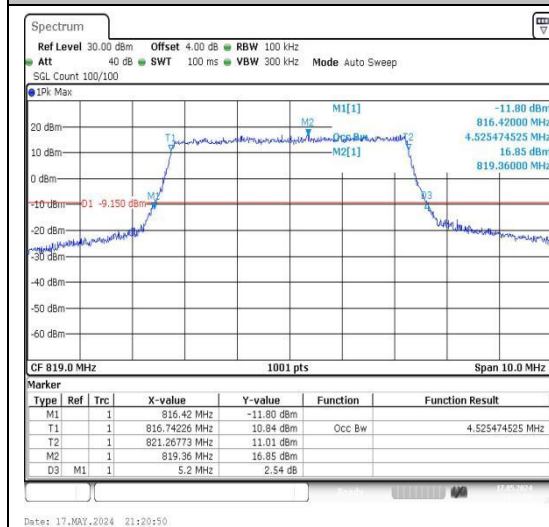
26(814-824)-3MHz-16QAM-26775-15RB#0-PASS



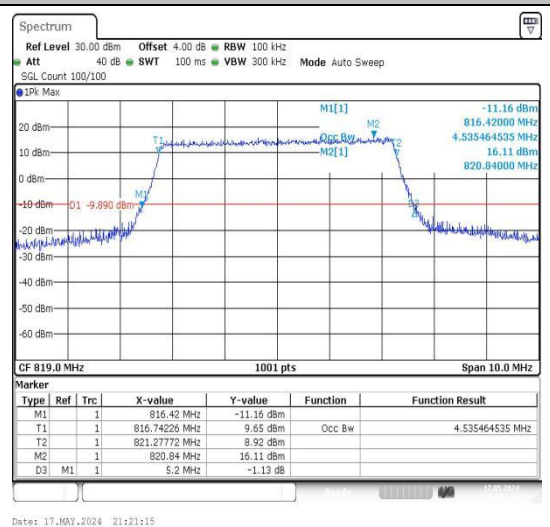
26(814-824)-5MHz-QPSK-26715-25RB#0-PASS



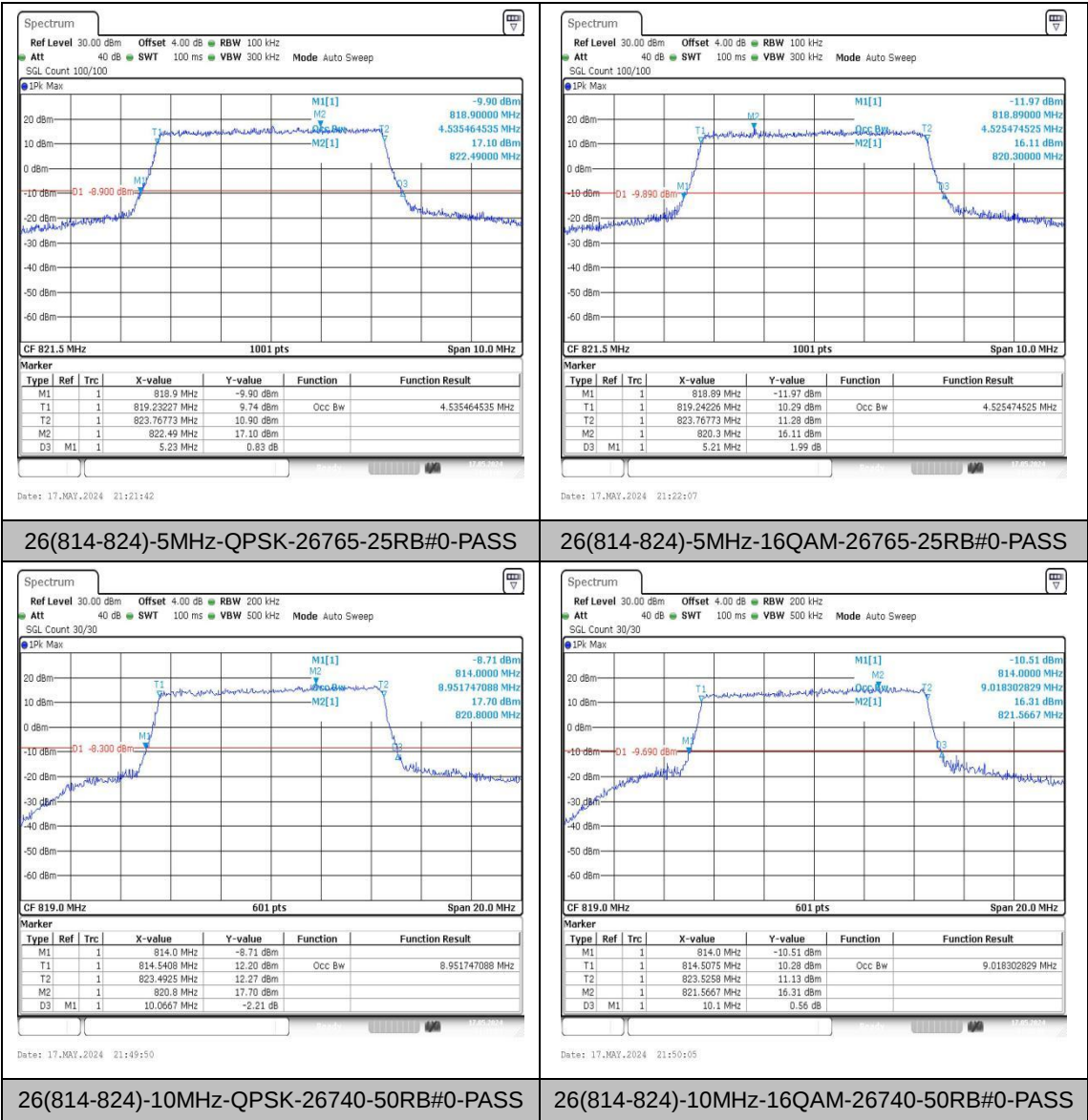
26(814-824)-5MHz-16QAM-26715-25RB#0-PASS



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	-18.62	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	-17.75	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	-17.73	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	-17.68	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	-20.80	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	-21.86	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	-17.70	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	-16.87	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	-17.80	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	-18.42	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	-18.09	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	-20.31	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	-21.46	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	-20.49	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	-22.49	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	-22.79	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	-22.65	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	-23.83	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	-22.64	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	-22.65	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	-21.71	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	-20.76	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	-21.67	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	-23.75	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	-25.19	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	-32.43	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	-25.79	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	-25.98	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	-24.76	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	-26.08	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	-25.46	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	-25.81	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	-24.63	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	-23.98	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	-23.87	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	-26.19	PASS

26(814-824)	10MHz	QPSK	26740	1RB#0	-37.16	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	-36.38	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	-36.55	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	-35.45	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	-29.77	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	-30.92	PASS

Test Graphs

