

Appendix for LTE 5B

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
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#0-0RB#0	22.35	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#0-0RB#0	22.31	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#14-0RB#0	22.20	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#14-0RB#0	22.14	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#0-1RB#24	13.11	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#0-1RB#24	12.98	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	4RB#0-0RB#0	22.37	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	4RB#0-0RB#0	22.39	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	23.09	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	23.08	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#0-0RB#0	21.98	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#0-0RB#0	21.95	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#14-0RB#0	21.91	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#14-0RB#0	21.84	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#0-1RB#24	14.06	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#0-1RB#24	12.76	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	4RB#0-0RB#0	22.04	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	4RB#0-0RB#0	22.03	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	22.78	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	22.81	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#0-0RB#0	21.95	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#0-0RB#0	22.04	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#14-0RB#0	21.86	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#14-0RB#0	21.83	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#0-1RB#24	14.46	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#0-1RB#24	12.76	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	4RB#0-0RB#0	21.97	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	4RB#0-0RB#0	21.97	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	22.79	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	22.81	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#0-0RB#0	22.38	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#0-0RB#0	22.39	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#24-0RB#0	22.20	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#24-0RB#0	22.21	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#0-1RB#14	13.15	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#0-1RB#14	13.16	PASS

5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	8RB#0-0RB#0	22.38	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	8RB#0-0RB#0	22.29	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	23.01	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	23.04	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#0-0RB#0	22.01	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#0-0RB#0	22.04	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#24-0RB#0	21.91	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#24-0RB#0	21.87	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#0-1RB#14	14.08	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#0-1RB#14	12.81	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	8RB#0-0RB#0	22.02	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	8RB#0-0RB#0	21.99	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	22.81	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	22.82	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#0-0RB#0	21.93	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#0-0RB#0	22.01	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#24-0RB#0	21.89	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#24-0RB#0	21.84	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#0-1RB#14	14.51	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#0-1RB#14	12.89	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	8RB#0-0RB#0	21.96	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	8RB#0-0RB#0	21.99	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	22.71	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	22.73	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-0RB#0	22.28	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-0RB#0	21.23	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#24-0RB#0	22.10	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#24-0RB#0	21.09	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-1RB#49	12.97	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-1RB#49	12.86	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	8RB#0-0RB#0	22.23	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	8RB#0-0RB#0	21.34	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	20.90	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	19.89	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-0RB#0	22.01	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-0RB#0	20.93	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#24-0RB#0	21.84	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#24-0RB#0	20.88	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-1RB#49	14.99	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-1RB#49	12.70	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	8RB#0-0RB#0	22.07	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	8RB#0-0RB#0	21.05	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	20.74	PASS

5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	19.73	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-0RB#0	21.85	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-0RB#0	20.81	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#24-0RB#0	21.79	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#24-0RB#0	20.83	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-1RB#49	13.46	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-1RB#49	12.79	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	8RB#0-0RB#0	21.88	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	8RB#0-0RB#0	20.93	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	20.76	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	19.71	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-0RB#0	22.33	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-0RB#0	21.11	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#49-0RB#0	21.77	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#49-0RB#0	20.92	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-1RB#24	12.91	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-1RB#24	12.72	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	12RB#0-0RB#0	21.25	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	12RB#0-0RB#0	20.17	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	20.78	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	19.78	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-0RB#0	21.95	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-0RB#0	21.06	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#49-0RB#0	21.83	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#49-0RB#0	20.85	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-1RB#24	14.97	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-1RB#24	12.63	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	12RB#0-0RB#0	20.99	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	12RB#0-0RB#0	20.01	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	20.68	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	19.69	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-0RB#0	21.85	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-0RB#0	20.78	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#49-0RB#0	21.79	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#49-0RB#0	20.73	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-1RB#24	14.19	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-1RB#24	12.67	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	12RB#0-0RB#0	20.83	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	12RB#0-0RB#0	19.97	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	20.67	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	19.68	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-0RB#0	22.24	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-0RB#0	21.23	PASS

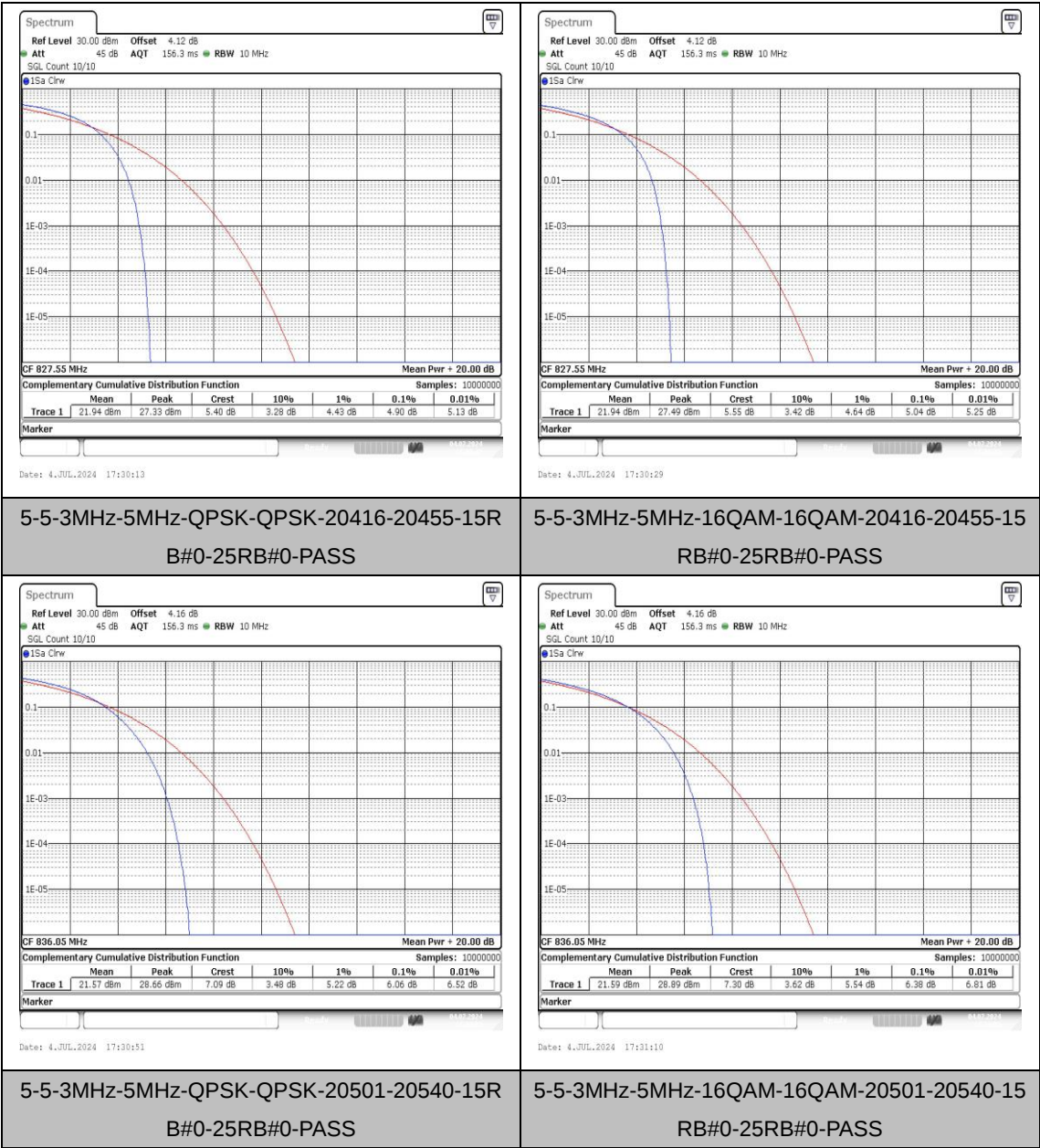
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#49-0RB#0	21.81	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#49-0RB#0	20.59	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-1RB#49	11.90	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-1RB#49	11.83	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	12RB#0-0RB#0	22.17	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	12RB#0-0RB#0	21.16	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	20.55	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	19.65	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-0RB#0	22.06	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-0RB#0	21.12	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#49-0RB#0	21.76	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#49-0RB#0	20.94	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-1RB#49	13.97	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-1RB#49	12.48	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	12RB#0-0RB#0	22.12	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	12RB#0-0RB#0	21.14	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	20.75	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	19.78	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-0RB#0	22.01	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#0-0RB#0	20.90	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#49-0RB#0	21.67	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#49-0RB#0	20.57	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-1RB#49	13.74	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#0-1RB#49	12.31	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	12RB#0-0RB#0	22.04	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	12RB#0-0RB#0	20.93	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	20.72	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	19.73	PASS

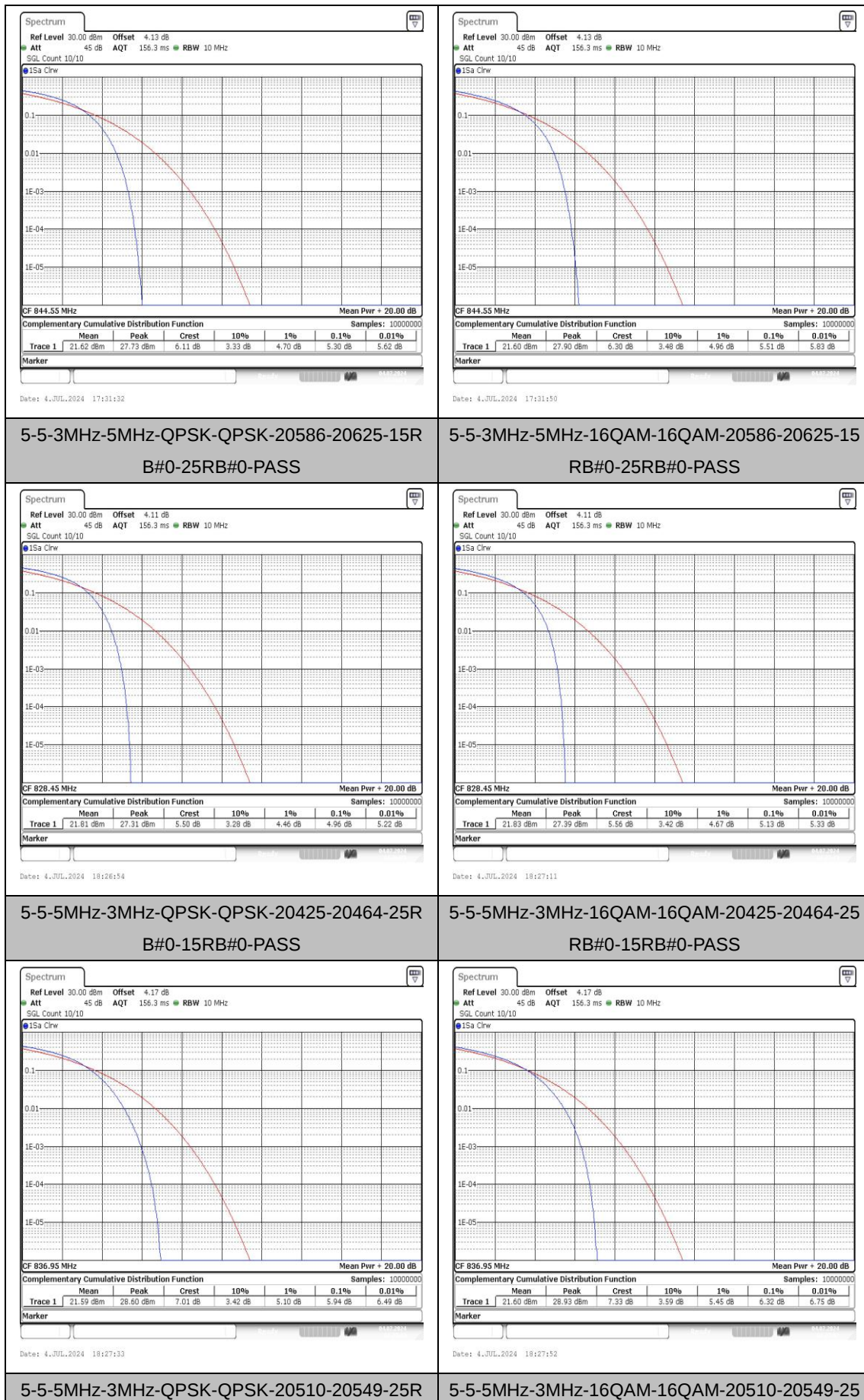
Appendix B: Peak-to-Average Ratio(CCDF)

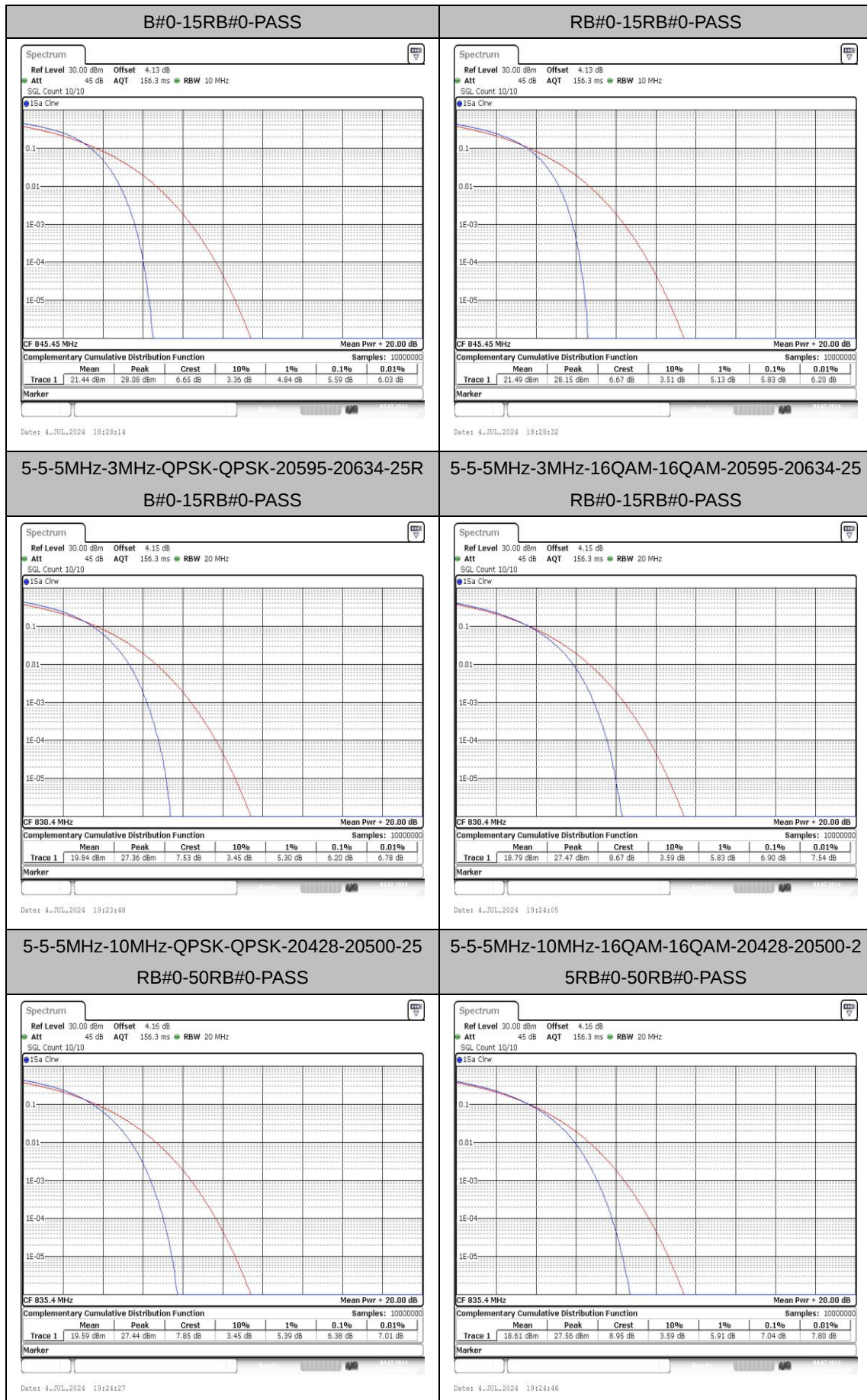
Test Result

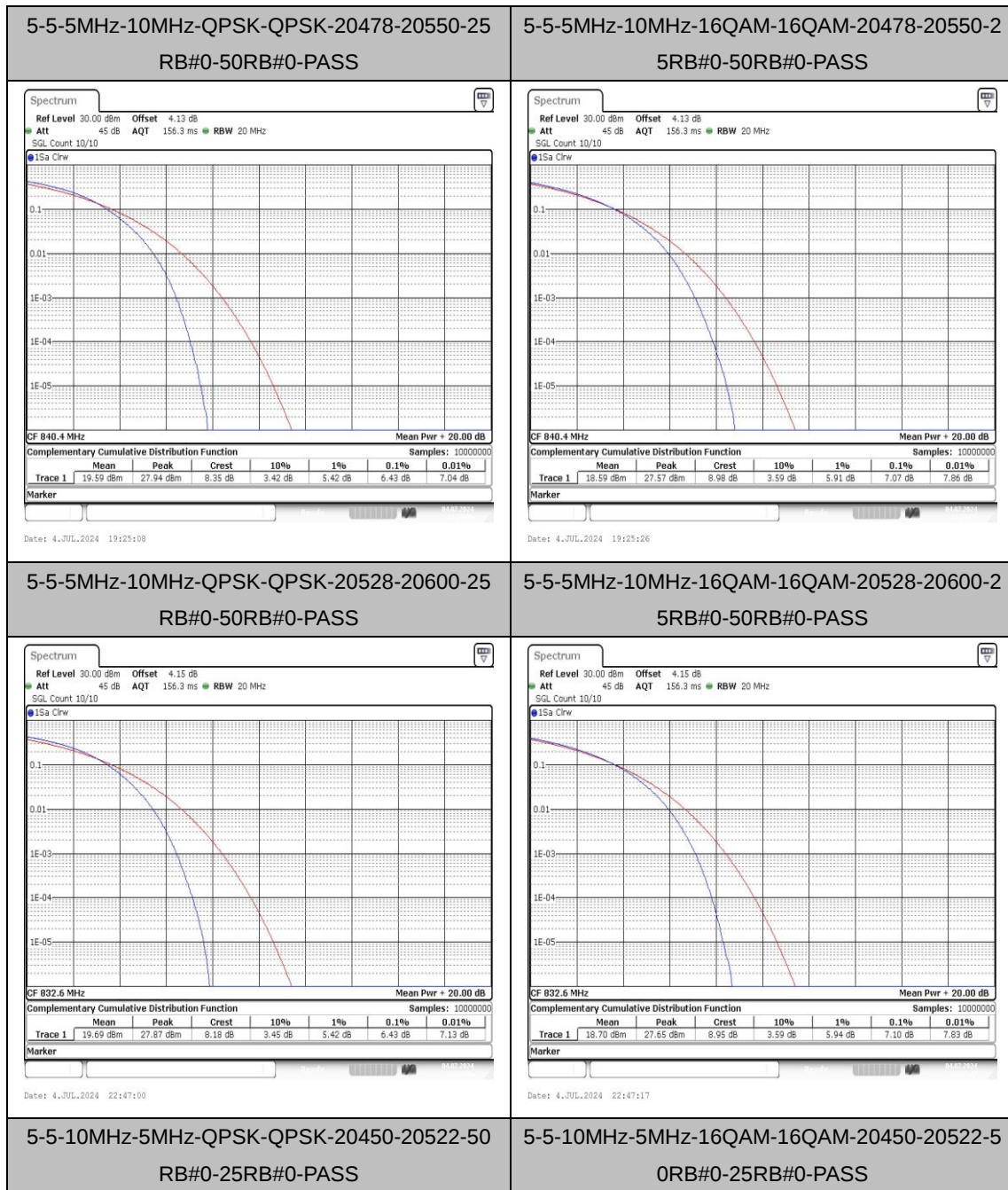
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	4.90	13	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	5.04	13	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	6.06	13	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	6.38	13	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	5.30	13	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	5.51	13	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	4.96	13	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	5.13	13	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	5.94	13	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	6.32	13	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	5.59	13	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	5.83	13	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	6.20	13	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	6.90	13	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	6.38	13	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	7.04	13	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	6.43	13	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	7.07	13	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	6.43	13	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	7.10	13	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	6.35	13	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	7.01	13	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	6.38	13	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	7.04	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	6.43	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	7.04	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	6.46	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	7.04	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	6.46	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	7.10	13	PASS

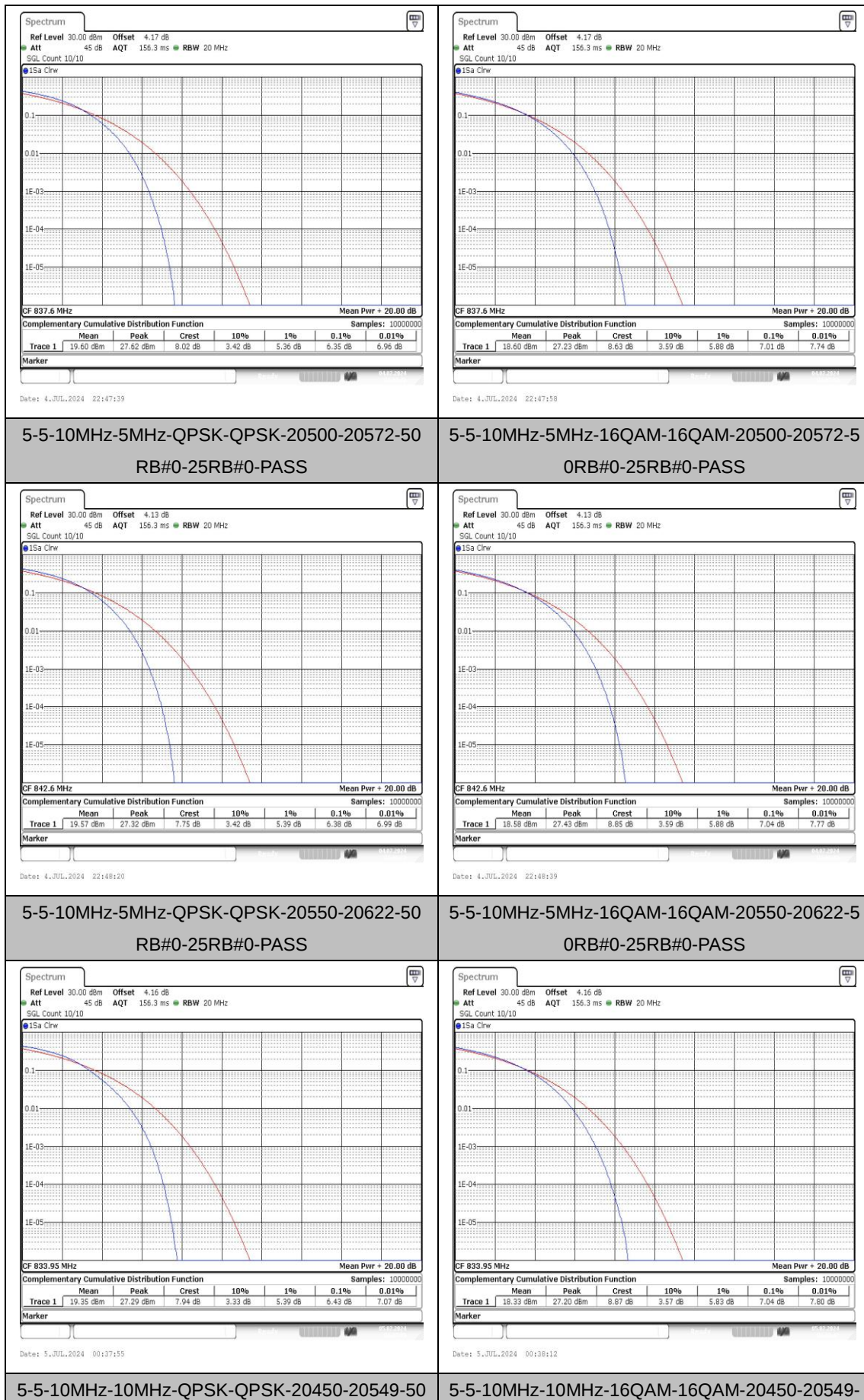
Test Graphs

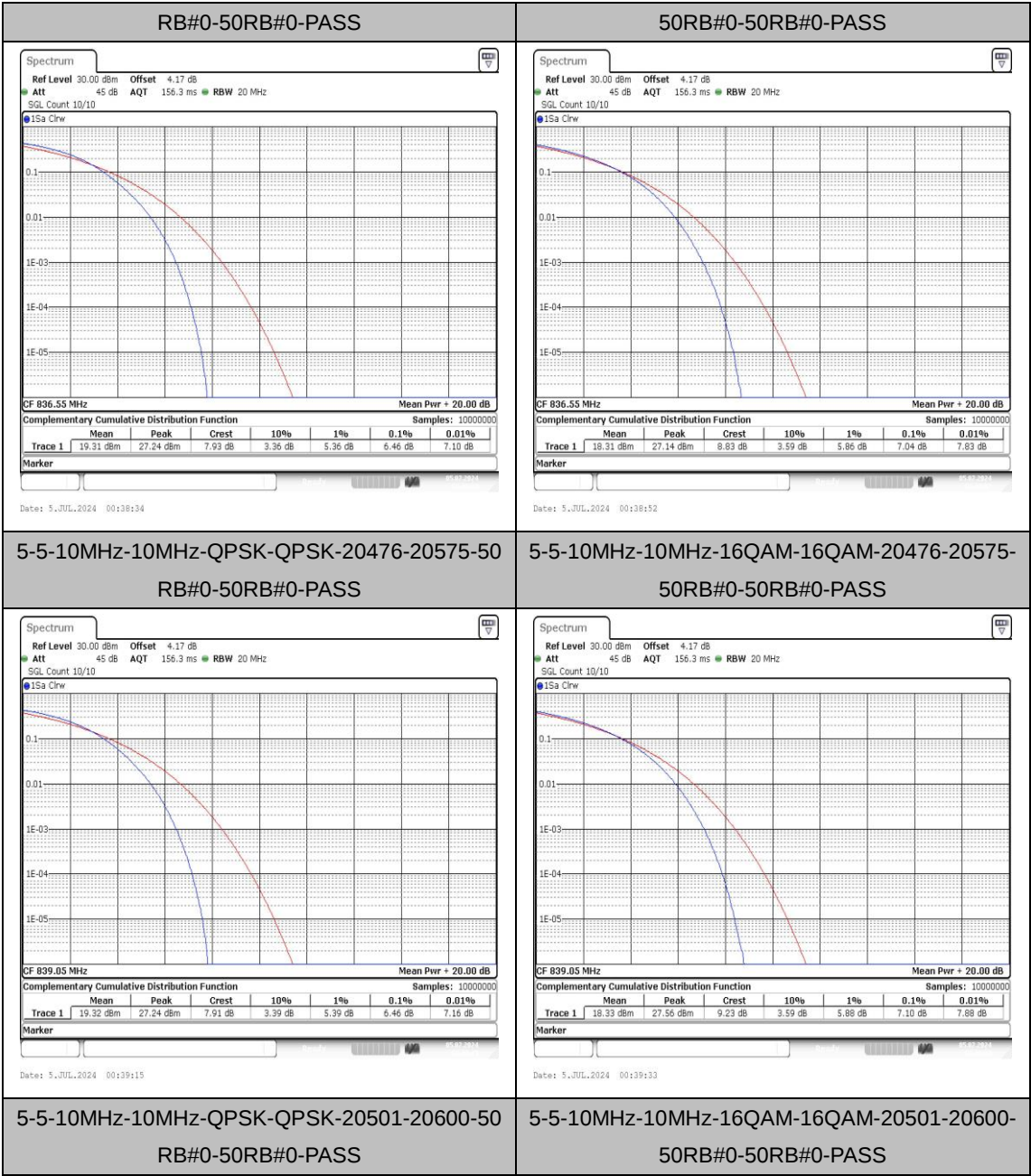










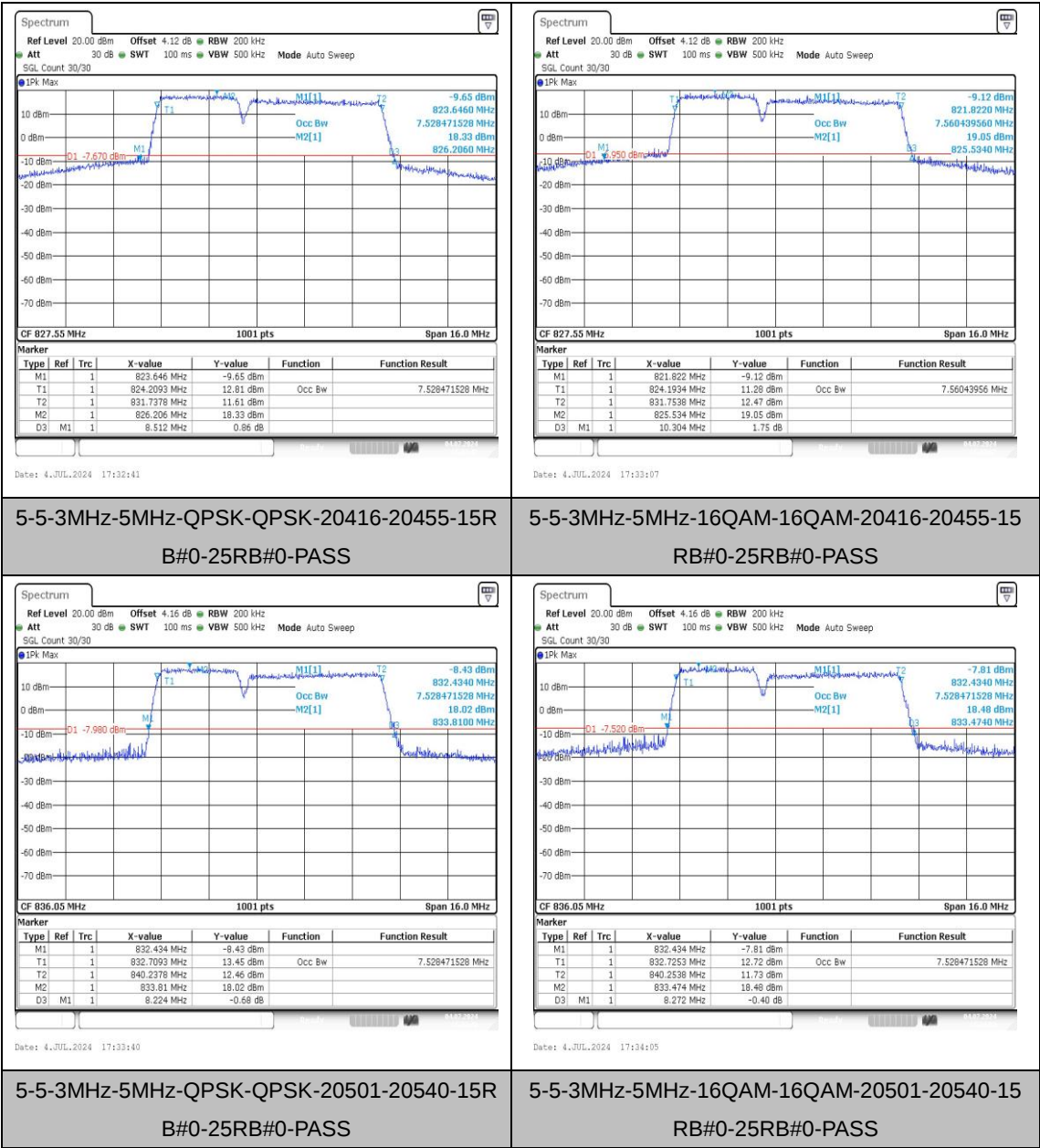


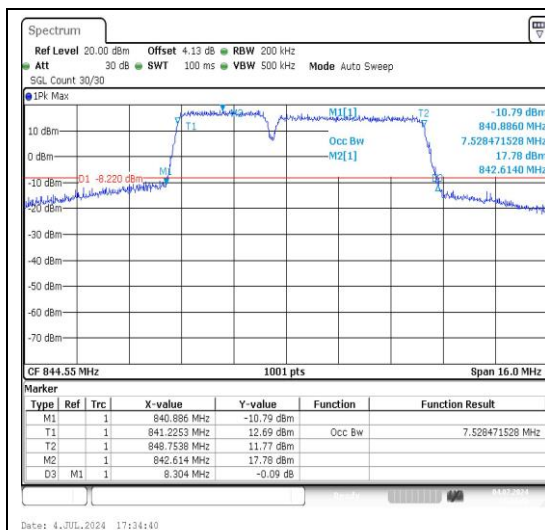
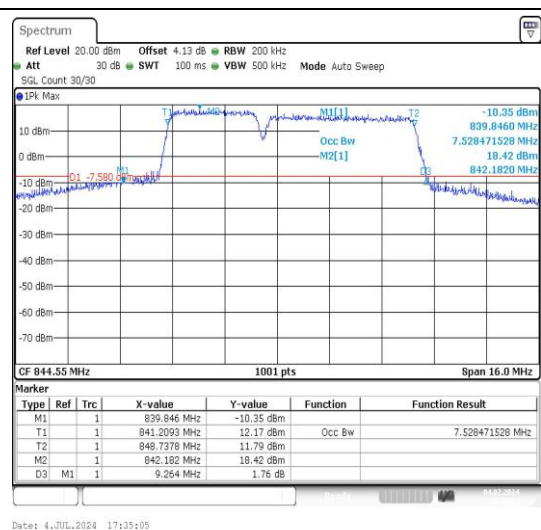
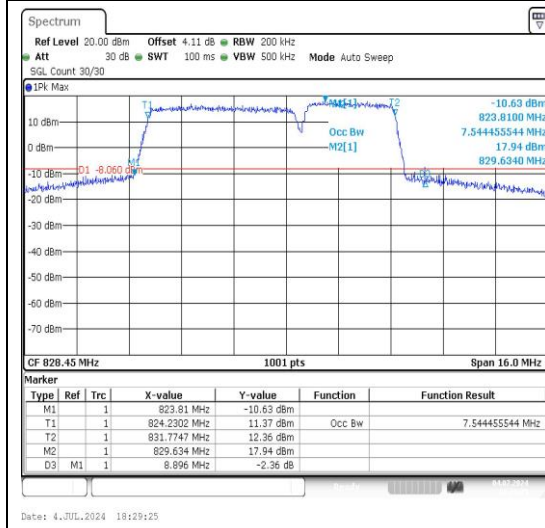
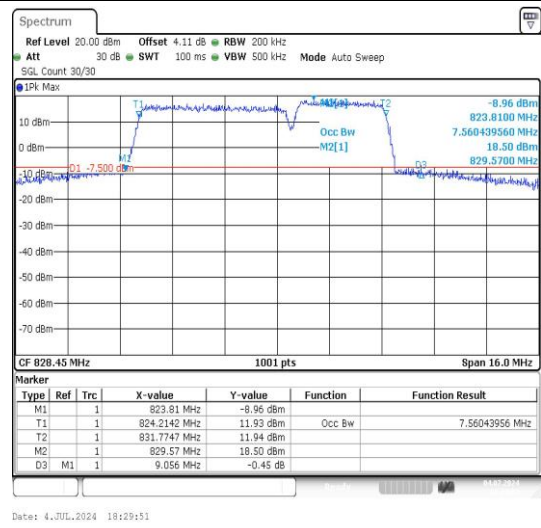
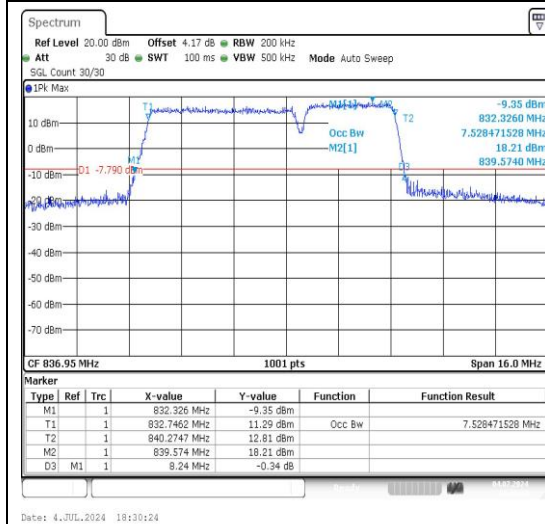
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

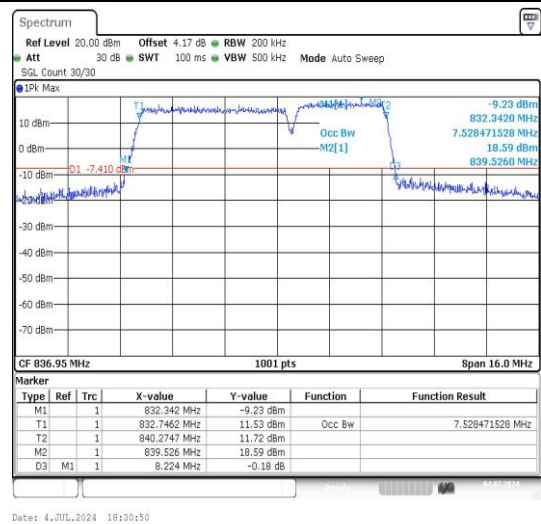
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	7.528	8.51	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	7.56	10.30	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	7.528	8.22	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	7.528	8.27	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	7.528	8.30	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	7.528	9.26	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	7.544	8.90	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	7.56	9.06	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	7.528	8.24	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	7.528	8.22	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	7.528	8.24	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	7.544	8.46	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	13.906	15.09	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	13.936	15.03	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	13.966	15.06	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	13.966	15.09	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	13.876	15.06	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	13.906	15.00	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	13.936	15.09	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	13.966	15.03	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	13.936	15.09	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	13.936	15.06	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	13.906	14.97	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	13.906	15.03	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	18.901	20.52	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	18.901	20.48	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	18.901	20.52	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	18.901	20.40	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	18.901	20.52	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	18.821	20.56	PASS

Test Graphs

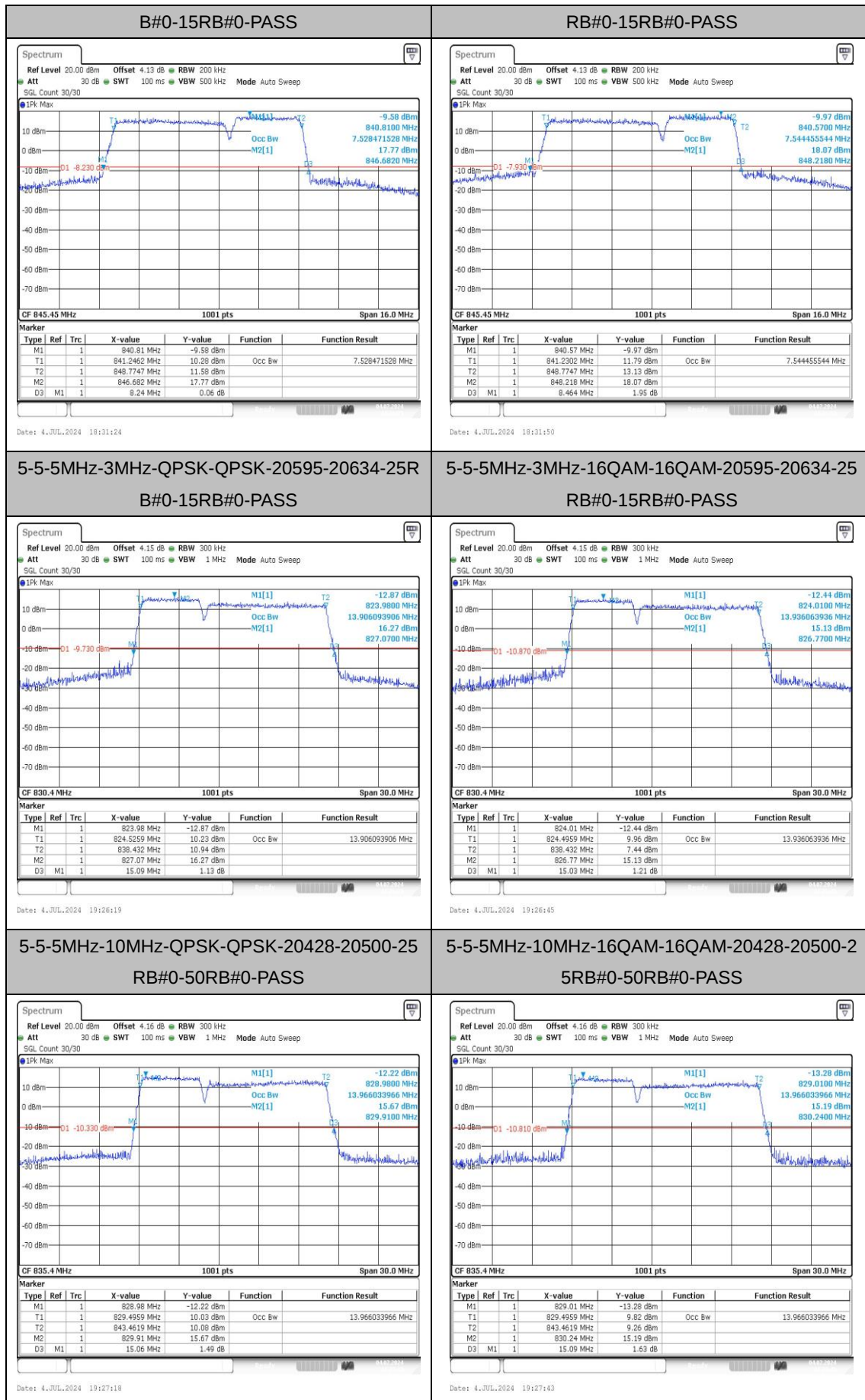


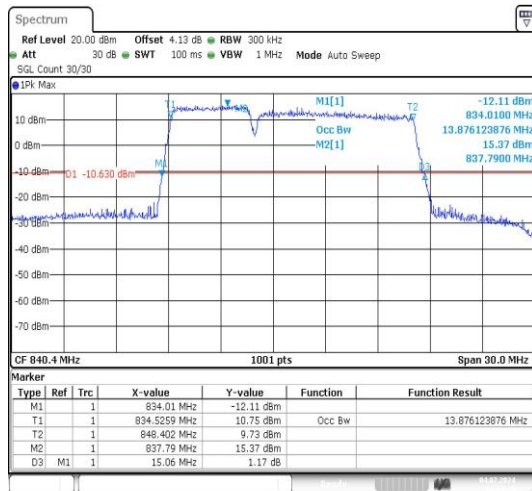
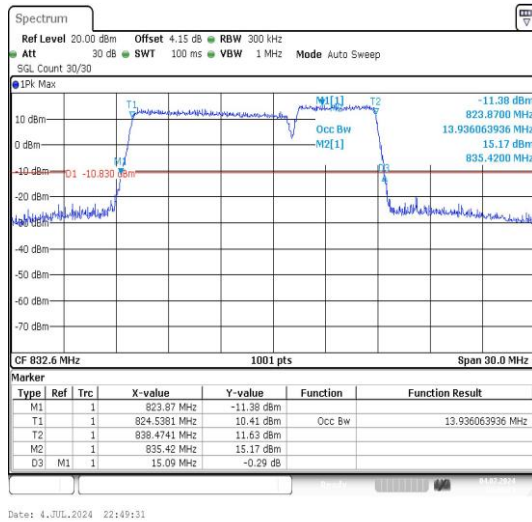
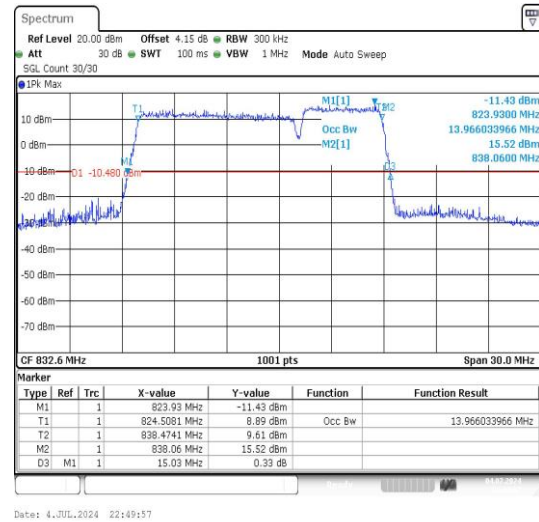
5-5-3MHz-5MHz-QPSK-QPSK-20586-20625-15R
B#0-25RB#0-PASS5-5-3MHz-5MHz-16QAM-16QAM-20586-20625-15
RB#0-25RB#0-PASS5-5-5MHz-3MHz-QPSK-QPSK-20425-20464-25R
B#0-15RB#0-PASS5-5-5MHz-3MHz-16QAM-16QAM-20425-20464-25
RB#0-15RB#0-PASS

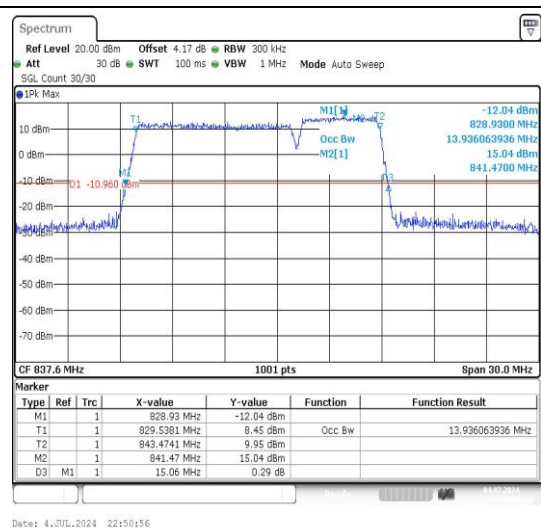
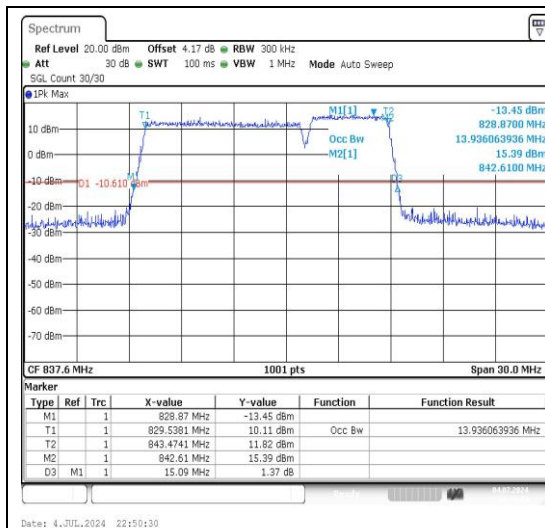
5-5-5MHz-3MHz-QPSK-QPSK-20510-20549-25R



5-5-5MHz-3MHz-16QAM-16QAM-20510-20549-25

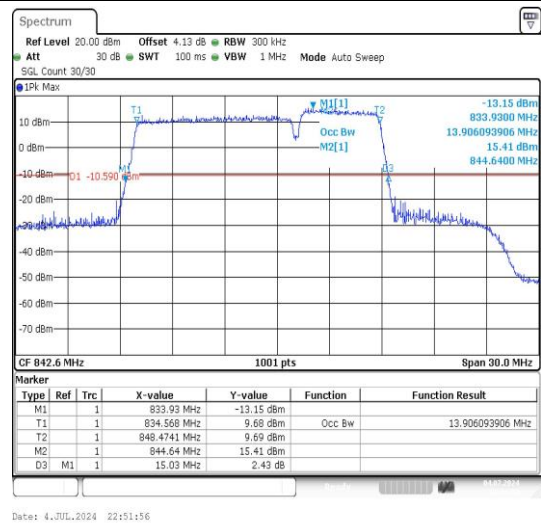
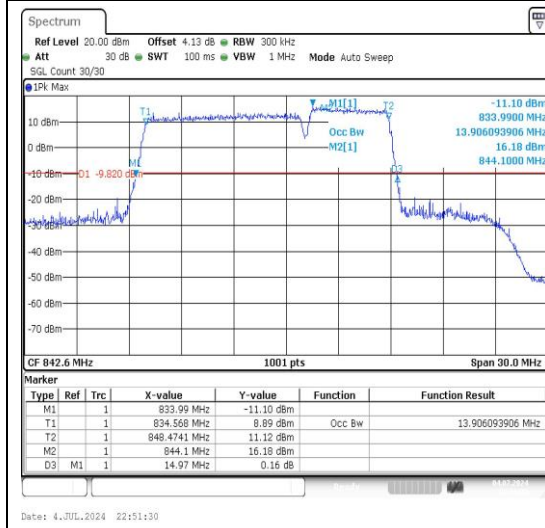


5-5-5MHz-10MHz-QPSK-QPSK-20478-20550-25
RB#0-50RB#0-PASS**5-5-5MHz-10MHz-16QAM-16QAM-20478-20550-2**
5RB#0-50RB#0-PASS**5-5-5MHz-10MHz-QPSK-QPSK-20528-20600-25**
RB#0-50RB#0-PASS**5-5-5MHz-10MHz-16QAM-16QAM-20528-20600-2**
5RB#0-50RB#0-PASS**5-5-10MHz-5MHz-QPSK-QPSK-20450-20522-50**
RB#0-25RB#0-PASS**5-5-10MHz-5MHz-16QAM-16QAM-20450-20522-5**
0RB#0-25RB#0-PASS



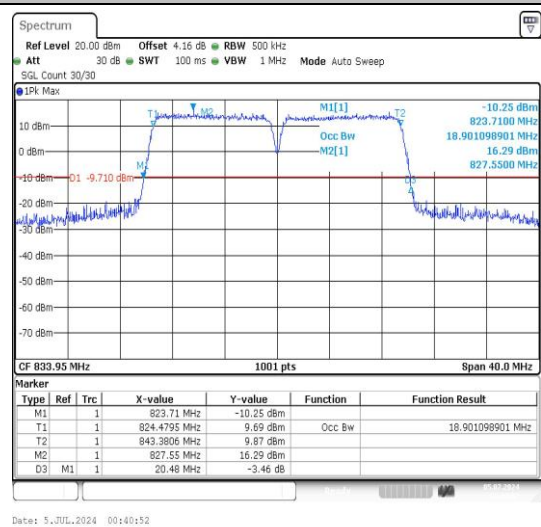
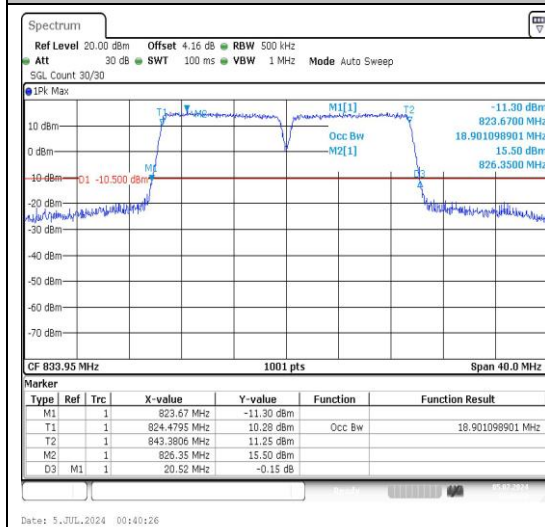
5-5-10MHz-5MHz-QPSK-QPSK-20500-20572-50
RB#0-25RB#0-PASS

5-5-10MHz-5MHz-16QAM-16QAM-20500-20572-50
ORB#0-25RB#0-PASS



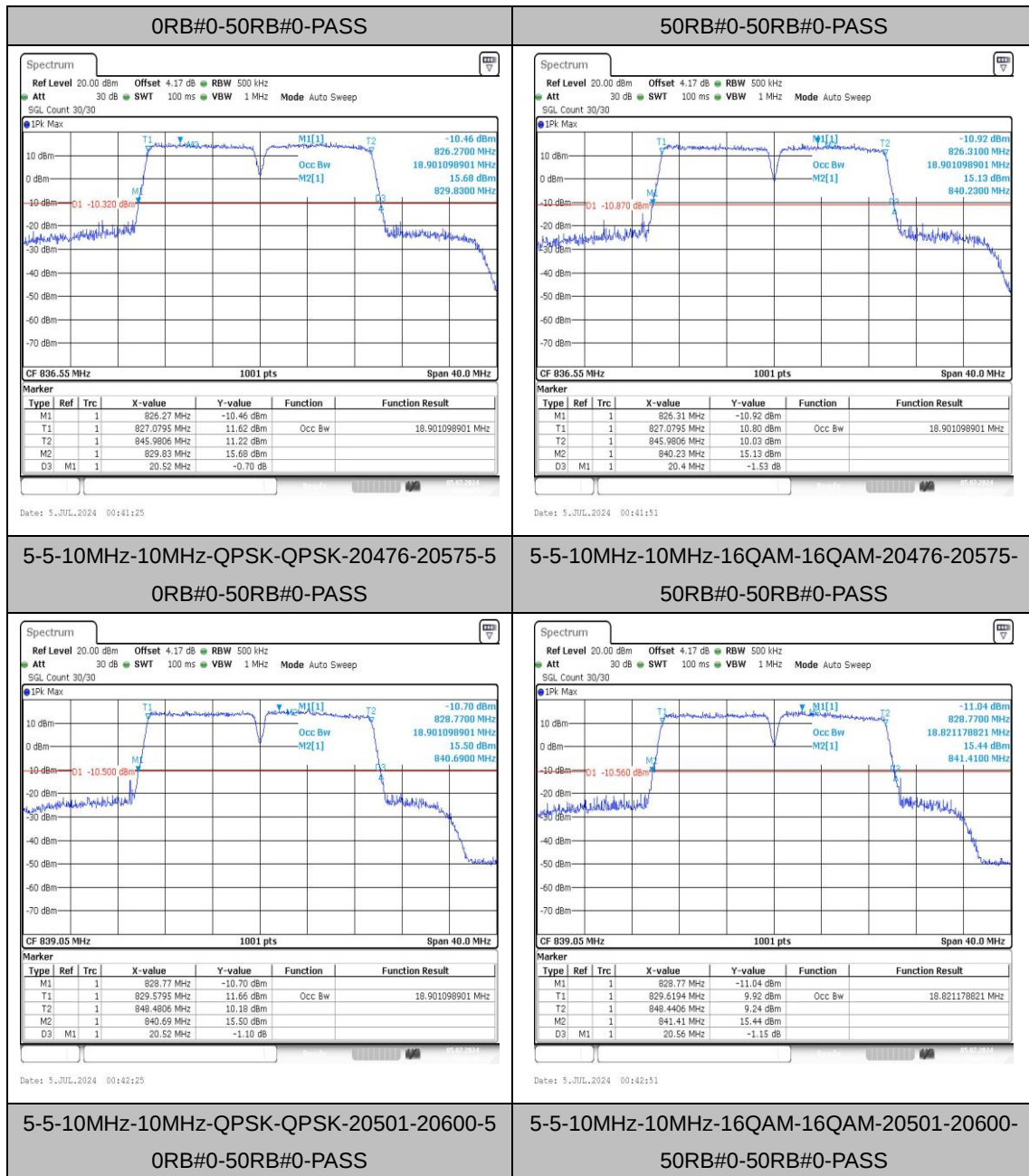
5-5-10MHz-5MHz-QPSK-QPSK-20550-20622-50
RB#0-25RB#0-PASS

5-5-10MHz-5MHz-16QAM-16QAM-20550-20622-50
ORB#0-25RB#0-PASS



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-5

5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-5



Appendix D: Band Edge

Test Result

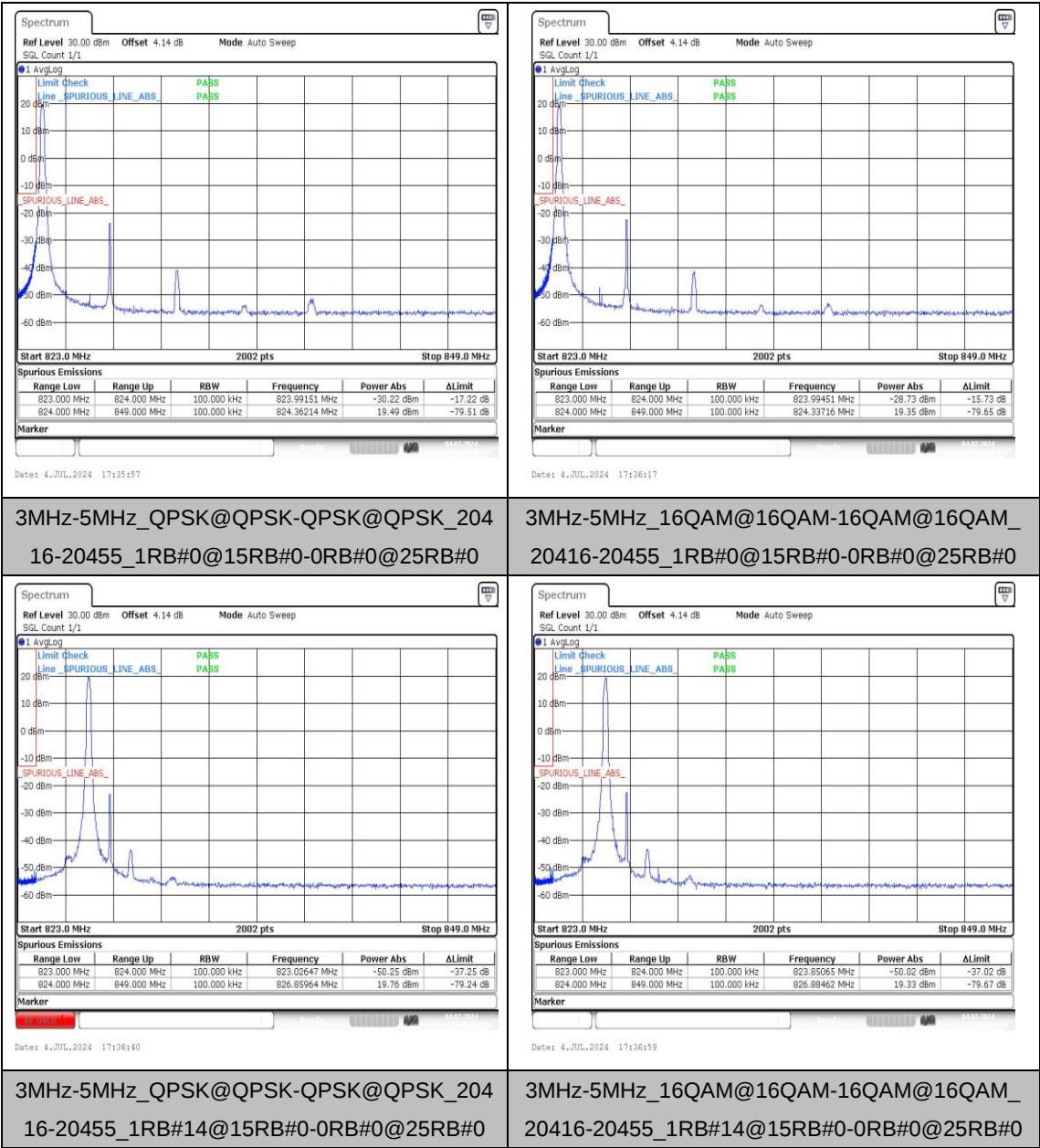
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	1RB#0@15RB#0-0RB#0@25RB#0	-30.22	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	1RB#0@15RB#0-0RB#0@25RB#0	-28.73	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	1RB#14@15RB#0-0RB#0@25RB#0	-50.25	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	1RB#14@15RB#0-0RB#0@25RB#0	-50.02	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	1RB#0@15RB#0-1RB#24@25RB#0	-44.30	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	1RB#0@15RB#0-1RB#24@25RB#0	-43.83	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	15RB#0@15RB#0-25RB#0@25RB#0	-21.86	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	15RB#0@15RB#0-25RB#0@25RB#0	-20.00	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	1RB#0@15RB#0-0RB#0@25RB#0	-55.12	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	1RB#0@15RB#0-0RB#0@25RB#0	-55.01	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	1RB#14@15RB#0-0RB#0@25RB#0	-55.00	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	1RB#14@15RB#0-0RB#0@25RB#0	-55.04	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	1RB#0@15RB#0-1RB#24@25RB#0	-32.10	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	1RB#0@15RB#0-1RB#24@25RB#0	-32.33	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	15RB#0@15RB#0-25RB#0@25RB#0	-24.34	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	15RB#0@15RB#0-25RB#0@25RB#0	-23.46	PASS
5-5	5MHz-3MHz	QPSK@QPSK-QPSK@QPSK	20425-20464	1RB#0@25RB#0-0RB#0@15RB#0	-22.02	PASS
5-5	5MHz-3MHz	16QAM@16QAM-16QAM@16QAM	20425-20464	1RB#0@25RB#0-0RB#0@15RB#0	-20.87	PASS
5-5	5MHz-3MHz	QPSK@QPSK-QPSK@QPSK	20425-20464	1RB#24@25RB#0-0RB#0@15RB#0	-52.73	PASS

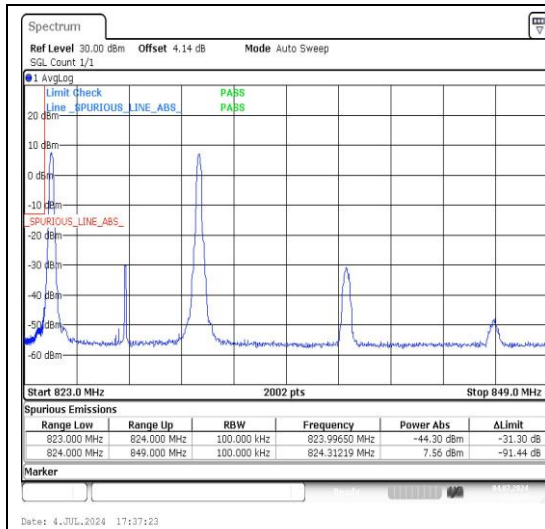
	Hz	QPSK	0464	@15RB#0		S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20425-2 0464	1RB#24@25RB#0-0RB#0 @15RB#0	-49.78	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20425-2 0464	1RB#0@25RB#0-1RB#15 @15RB#0	-31.99	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20425-2 0464	1RB#0@25RB#0-1RB#15 @15RB#0	-31.83	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20425-2 0464	25RB#0@25RB#0-15RB# 0@15RB#0	-22.36	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20425-2 0464	25RB#0@25RB#0-15RB# 0@15RB#0	-20.58	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	1RB#0@25RB#0-0RB#0 @15RB#0	-35.80	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	1RB#0@25RB#0-0RB#0 @15RB#0	-36.00	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	1RB#24@25RB#0-0RB#0 @15RB#0	-50.63	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	1RB#24@25RB#0-0RB#0 @15RB#0	-47.61	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	1RB#0@25RB#0-1RB#15 @15RB#0	-52.43	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	1RB#0@25RB#0-1RB#15 @15RB#0	-51.76	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	25RB#0@25RB#0-15RB# 0@15RB#0	-27.37	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	25RB#0@25RB#0-15RB# 0@15RB#0	-26.19	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	1RB#0@25RB#0-0RB#0 @50RB#0	-36.90	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	1RB#0@25RB#0-0RB#0 @50RB#0	-39.15	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	1RB#24@25RB#0-0RB#0 @50RB#0	-51.93	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	1RB#24@25RB#0-0RB#0 @50RB#0	-51.48	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	1RB#0@25RB#0-1RB#49 @50RB#0	-47.72	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	1RB#0@25RB#0-1RB#49 @50RB#0	-47.31	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	25RB#0@25RB#0-50RB# 0@50RB#0	-35.78	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	25RB#0@25RB#0-50RB# 0@50RB#0	-37.28	PAS S

5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	1RB#0@25RB#0-0RB#0 @50RB#0	-54.20	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	1RB#0@25RB#0-0RB#0 @50RB#0	-53.83	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	1RB#24@25RB#0-0RB#0 @50RB#0	-47.04	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	1RB#24@25RB#0-0RB#0 @50RB#0	-49.08	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	1RB#0@25RB#0-1RB#49 @50RB#0	-41.23	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	1RB#0@25RB#0-1RB#49 @50RB#0	-42.49	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	25RB#0@25RB#0-50RB# 0@50RB#0	-34.44	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	25RB#0@25RB#0-50RB# 0@50RB#0	-35.58	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	1RB#0@50RB#0-0RB#0 @25RB#0	-28.70	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	1RB#0@50RB#0-0RB#0 @25RB#0	-31.28	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	1RB#49@50RB#0-0RB#0 @25RB#0	-47.13	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	1RB#49@50RB#0-0RB#0 @25RB#0	-46.80	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	1RB#0@50RB#0-1RB#24 @25RB#0	-41.60	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	1RB#0@50RB#0-1RB#24 @25RB#0	-42.40	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	50RB#0@50RB#0-25RB# 0@25RB#0	-32.81	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	50RB#0@50RB#0-25RB# 0@25RB#0	-33.98	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	1RB#0@50RB#0-0RB#0 @25RB#0	-52.52	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	1RB#0@50RB#0-0RB#0 @25RB#0	-51.95	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	1RB#49@50RB#0-0RB#0 @25RB#0	-53.76	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	1RB#49@50RB#0-0RB#0 @25RB#0	-53.71	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	1RB#0@50RB#0-1RB#24 @25RB#0	-48.28	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA	20550-2	1RB#0@50RB#0-1RB#24	-49.31	PAS

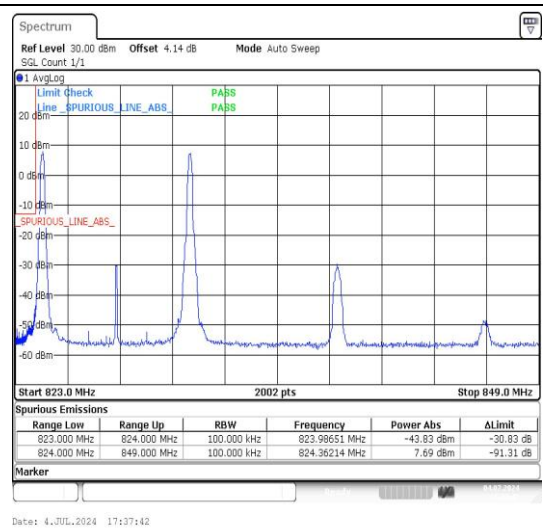
	MHz	M@16QAM	0622	@25RB#0		S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	50RB#0@50RB#0-25RB# 0@25RB#0	-37.41	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	50RB#0@50RB#0-25RB# 0@25RB#0	-37.73	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	1RB#0@50RB#0-0RB#0 @50RB#0	-27.32	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	1RB#0@50RB#0-0RB#0 @50RB#0	-27.22	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	1RB#49@50RB#0-0RB#0 @50RB#0	-44.46	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	1RB#49@50RB#0-0RB#0 @50RB#0	-45.35	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	1RB#0@50RB#0-1RB#49 @50RB#0	-39.08	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	1RB#0@50RB#0-1RB#49 @50RB#0	-39.46	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	50RB#0@50RB#0-50RB# 0@50RB#0	-31.53	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	50RB#0@50RB#0-50RB# 0@50RB#0	-32.65	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	1RB#0@50RB#0-0RB#0 @50RB#0	-52.60	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	1RB#0@50RB#0-0RB#0 @50RB#0	-52.92	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	1RB#49@50RB#0-0RB#0 @50RB#0	-52.92	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	1RB#49@50RB#0-0RB#0 @50RB#0	-52.81	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	1RB#0@50RB#0-1RB#49 @50RB#0	-39.70	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	1RB#0@50RB#0-1RB#49 @50RB#0	-40.86	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	50RB#0@50RB#0-50RB# 0@50RB#0	-32.78	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	50RB#0@50RB#0-50RB# 0@50RB#0	-34.76	PAS S

Test Graphs





3MHz-5MHz_QPSK@QPSK-QPSK@QPSK_204
16-20455_1RB#0@15RB#0-1RB#24@25RB#0



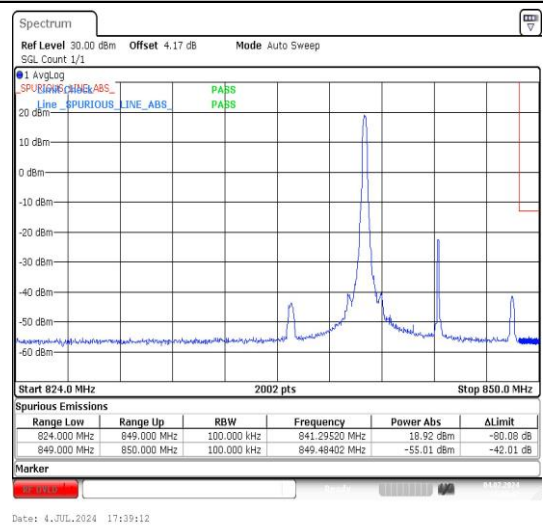
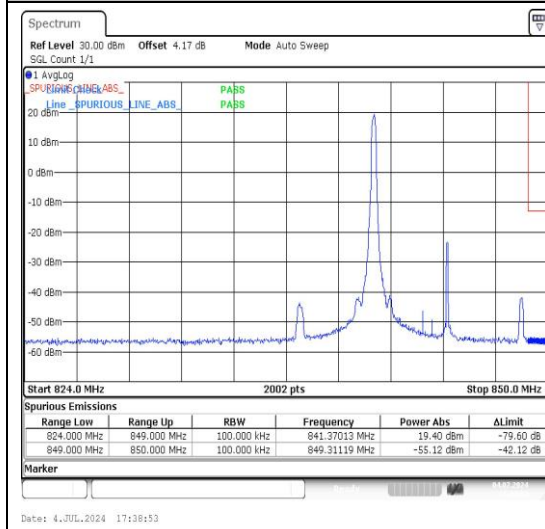
3MHz-5MHz_16QAM@16QAM-16QAM@16QAM_
20416-20455_1RB#0@15RB#0-1RB#24@25RB#0

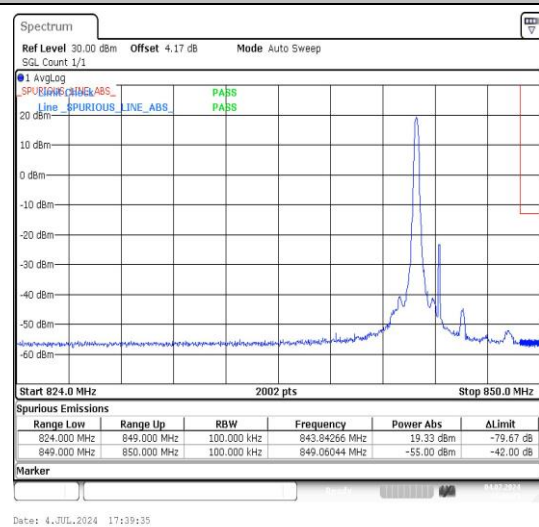
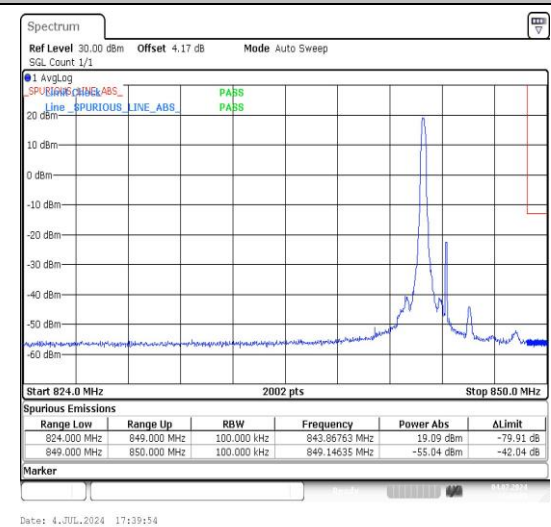
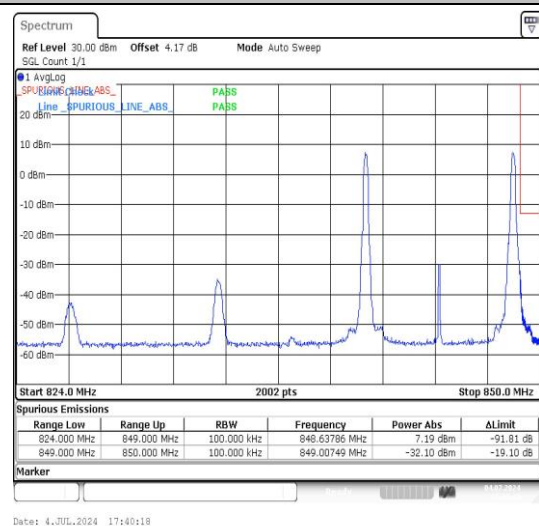
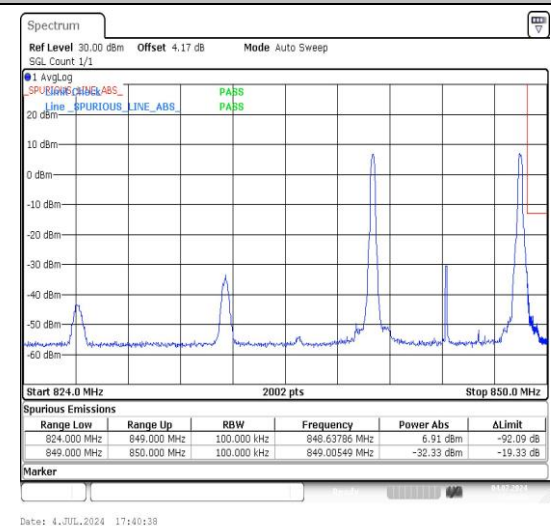


3MHz-5MHz_QPSK@QPSK-QPSK@QPSK_204
16-20455_15RB#0@15RB#0-25RB#0@25RB#0



3MHz-5MHz_16QAM@16QAM-16QAM@16QAM_
20416-20455_15RB#0@15RB#0-25RB#0@25RB#
0

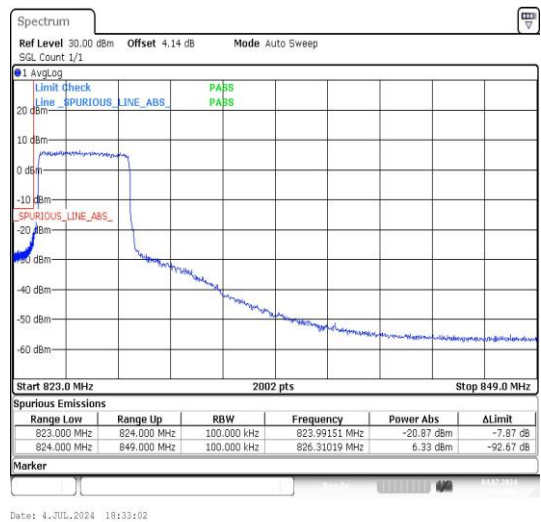
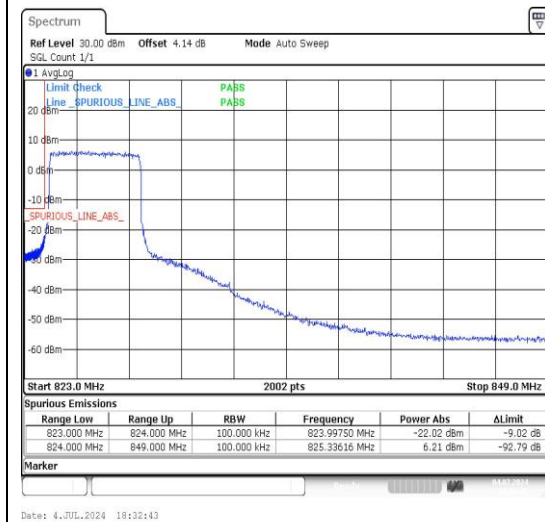


3MHz-5MHz_QPSK@QPSK-QPSK@QPSK_205
86-20625_1RB#0@15RB#0-0RB#0@25RB#0**3MHz-5MHz_16QAM@16QAM-16QAM@16QAM_**
20586-20625_1RB#0@15RB#0-0RB#0@25RB#0**3MHz-5MHz_QPSK@QPSK-QPSK@QPSK_205**
86-20625_1RB#14@15RB#0-0RB#0@25RB#0**3MHz-5MHz_16QAM@16QAM-16QAM@16QAM_**
20586-20625_1RB#14@15RB#0-0RB#0@25RB#0**3MHz-5MHz_QPSK@QPSK-QPSK@QPSK_205**
86-20625_1RB#0@15RB#0-1RB#24@25RB#0**3MHz-5MHz_16QAM@16QAM-16QAM@16QAM_**
20586-20625_1RB#0@15RB#0-1RB#24@25RB#0



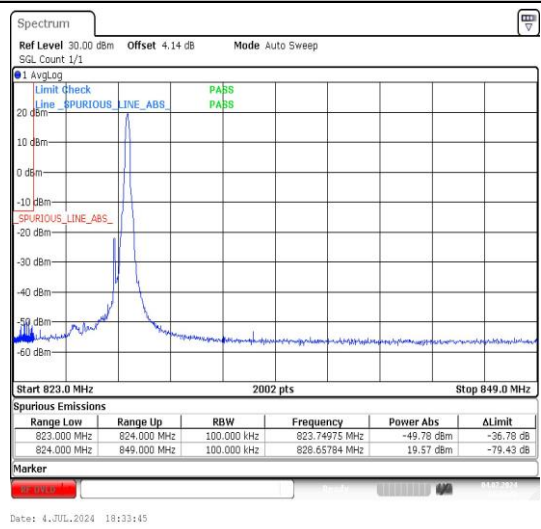
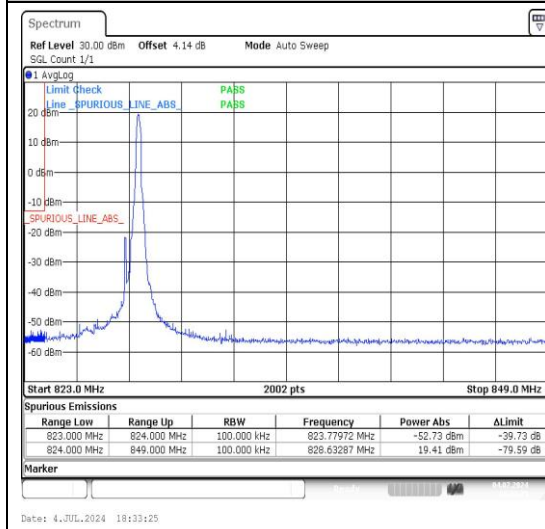
3MHz-5MHz_QPSK@QPSK-QPSK@QPSK_205
86-20625_15RB#0@15RB#0-25RB#0@25RB#0

3MHz-5MHz_16QAM@16QAM-16QAM@16QAM_
20586-20625_15RB#0@15RB#0-25RB#0@25RB#0

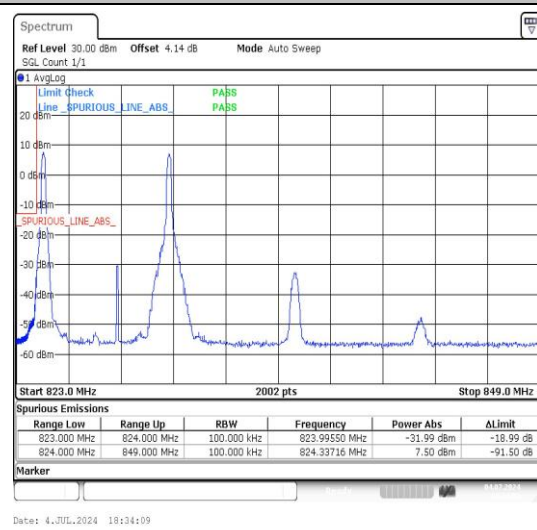


5MHz-3MHz_QPSK@QPSK-QPSK@QPSK_204
25-20464_1RB#0@25RB#0-0RB#0@15RB#0

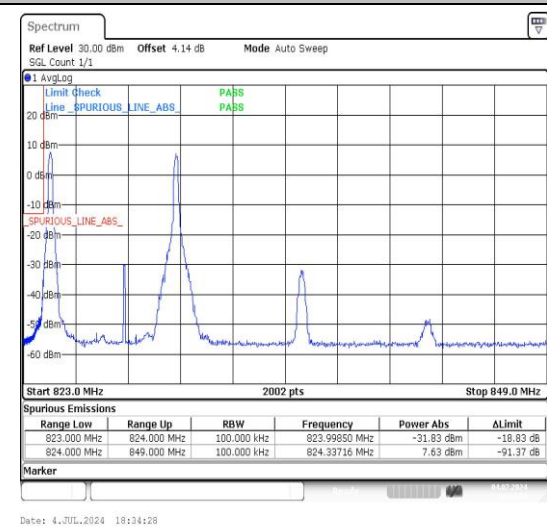
5MHz-3MHz_16QAM@16QAM-16QAM@16QAM_
20425-20464_1RB#0@25RB#0-0RB#0@15RB#0



5MHz-3MHz_QPSK@QPSK-QPSK@QPSK_204
25-20464_1RB#24@25RB#0-0RB#0@15RB#0



5MHz-3MHz_16QAM@16QAM-16QAM@16QAM_
20425-20464_1RB#24@25RB#0-0RB#0@15RB#0



5MHz-3MHz_QPSK@QPSK-QPSK@QPSK_204
25-20464_1RB#0@25RB#0-1RB#15@15RB#0



5MHz-3MHz_16QAM@16QAM-16QAM@16QAM_
20425-20464_1RB#0@25RB#0-1RB#15@15RB#0



5MHz-3MHz_QPSK@QPSK-QPSK@QPSK_204
25-20464_25RB#0@25RB#0-15RB#0@15RB#0

5MHz-3MHz_16QAM@16QAM-16QAM@16QAM_
20425-20464_25RB#0@25RB#0-15RB#0@15RB#0