

Appendix for LTE 5B

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
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#0-0RB#0	22.07	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#0-0RB#0	22.12	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#14-0RB#0	21.86	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#14-0RB#0	21.86	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#0-1RB#24	12.85	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#0-1RB#24	12.64	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	4RB#0-0RB#0	22.08	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	4RB#0-0RB#0	22.05	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	22.84	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	22.80	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#0-0RB#0	21.75	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#0-0RB#0	21.68	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#14-0RB#0	21.59	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#14-0RB#0	21.70	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#0-1RB#24	13.86	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#0-1RB#24	12.52	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	4RB#0-0RB#0	21.77	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	4RB#0-0RB#0	21.82	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	22.52	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	22.51	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#0-0RB#0	21.74	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#0-0RB#0	21.80	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#14-0RB#0	21.66	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#14-0RB#0	21.69	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#0-1RB#24	13.83	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#0-1RB#24	12.50	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	4RB#0-0RB#0	21.75	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	4RB#0-0RB#0	21.69	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	22.55	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	22.59	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#0-0RB#0	22.15	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#0-0RB#0	22.21	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#24-0RB#0	21.91	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#24-0RB#0	21.90	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#0-1RB#14	12.87	PASS

5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#0-1RB#14	12.87	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	8RB#0-0RB#0	22.09	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	8RB#0-0RB#0	22.09	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	22.78	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	22.72	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#0-0RB#0	21.77	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#0-0RB#0	21.83	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#24-0RB#0	21.68	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#24-0RB#0	21.65	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#0-1RB#14	13.68	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#0-1RB#14	12.62	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	8RB#0-0RB#0	21.77	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	8RB#0-0RB#0	21.79	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	22.59	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	22.64	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#0-0RB#0	21.82	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#0-0RB#0	21.80	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#24-0RB#0	21.63	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#24-0RB#0	21.59	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#0-1RB#14	14.25	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#0-1RB#14	12.41	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	8RB#0-0RB#0	21.72	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	8RB#0-0RB#0	21.81	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	22.46	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	22.48	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-0RB#0	22.02	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-0RB#0	21.16	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#24-0RB#0	21.84	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#24-0RB#0	20.87	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-1RB#49	12.21	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-1RB#49	12.18	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	8RB#0-0RB#0	22.00	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	8RB#0-0RB#0	21.05	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	20.50	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	19.68	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-0RB#0	21.80	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-0RB#0	20.80	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#24-0RB#0	21.61	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#24-0RB#0	20.44	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-1RB#49	14.56	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-1RB#49	12.51	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	8RB#0-0RB#0	21.76	PASS

5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	8RB#0-0RB#0	20.79	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	20.47	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	19.52	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-0RB#0	21.65	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-0RB#0	20.68	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#24-0RB#0	21.58	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#24-0RB#0	20.68	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-1RB#49	13.22	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-1RB#49	12.56	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	8RB#0-0RB#0	21.64	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	8RB#0-0RB#0	20.68	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	20.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	19.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-0RB#0	21.94	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-0RB#0	21.07	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#49-0RB#0	21.55	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#49-0RB#0	20.64	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-1RB#24	14.16	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-1RB#24	12.61	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	12RB#0-0RB#0	21.00	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	12RB#0-0RB#0	20.06	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	20.55	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	19.56	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-0RB#0	21.76	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-0RB#0	20.83	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#49-0RB#0	21.51	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#49-0RB#0	20.70	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-1RB#24	14.63	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-1RB#24	12.47	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	12RB#0-0RB#0	20.79	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	12RB#0-0RB#0	19.73	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	20.47	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	19.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-0RB#0	21.65	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-0RB#0	20.70	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#49-0RB#0	21.52	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#49-0RB#0	20.54	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-1RB#24	13.85	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-1RB#24	12.36	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	12RB#0-0RB#0	20.61	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	12RB#0-0RB#0	19.60	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	20.44	PASS

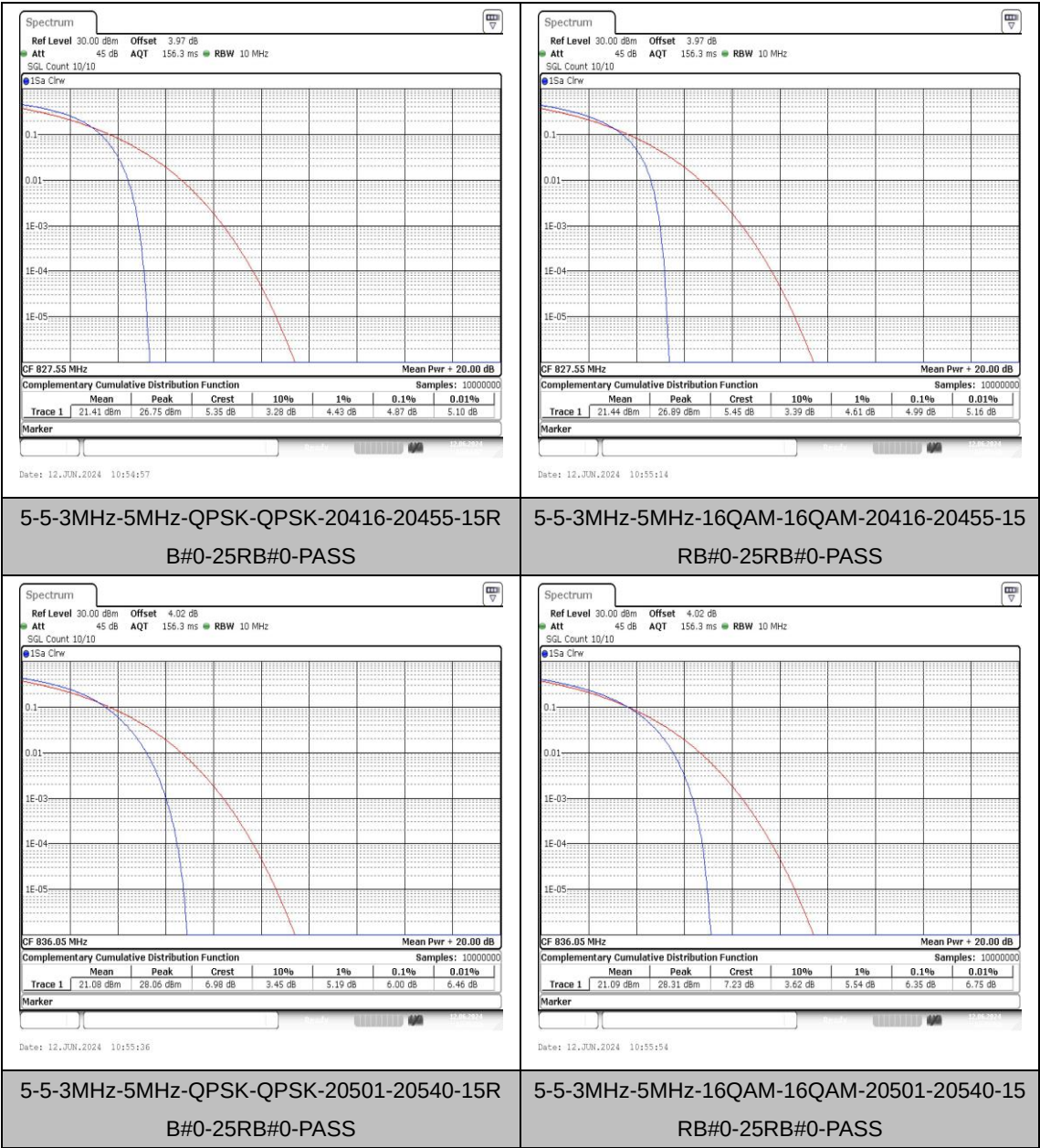
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	19.43	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-0RB#0	22.03	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-0RB#0	21.03	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#49-0RB#0	21.54	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#49-0RB#0	20.59	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-1RB#49	11.74	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-1RB#49	11.61	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	12RB#0-0RB#0	22.00	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	12RB#0-0RB#0	21.06	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	20.42	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	19.55	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-0RB#0	21.96	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-0RB#0	20.98	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#49-0RB#0	21.54	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#49-0RB#0	20.59	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-1RB#49	13.62	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-1RB#49	12.15	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	12RB#0-0RB#0	21.92	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	12RB#0-0RB#0	20.90	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	20.55	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	19.56	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-0RB#0	21.83	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	21.46	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#49-0RB#0	20.61	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-1RB#49	13.47	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#0-1RB#49	12.19	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	12RB#0-0RB#0	21.79	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	12RB#0-0RB#0	20.77	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	20.51	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	19.48	PASS

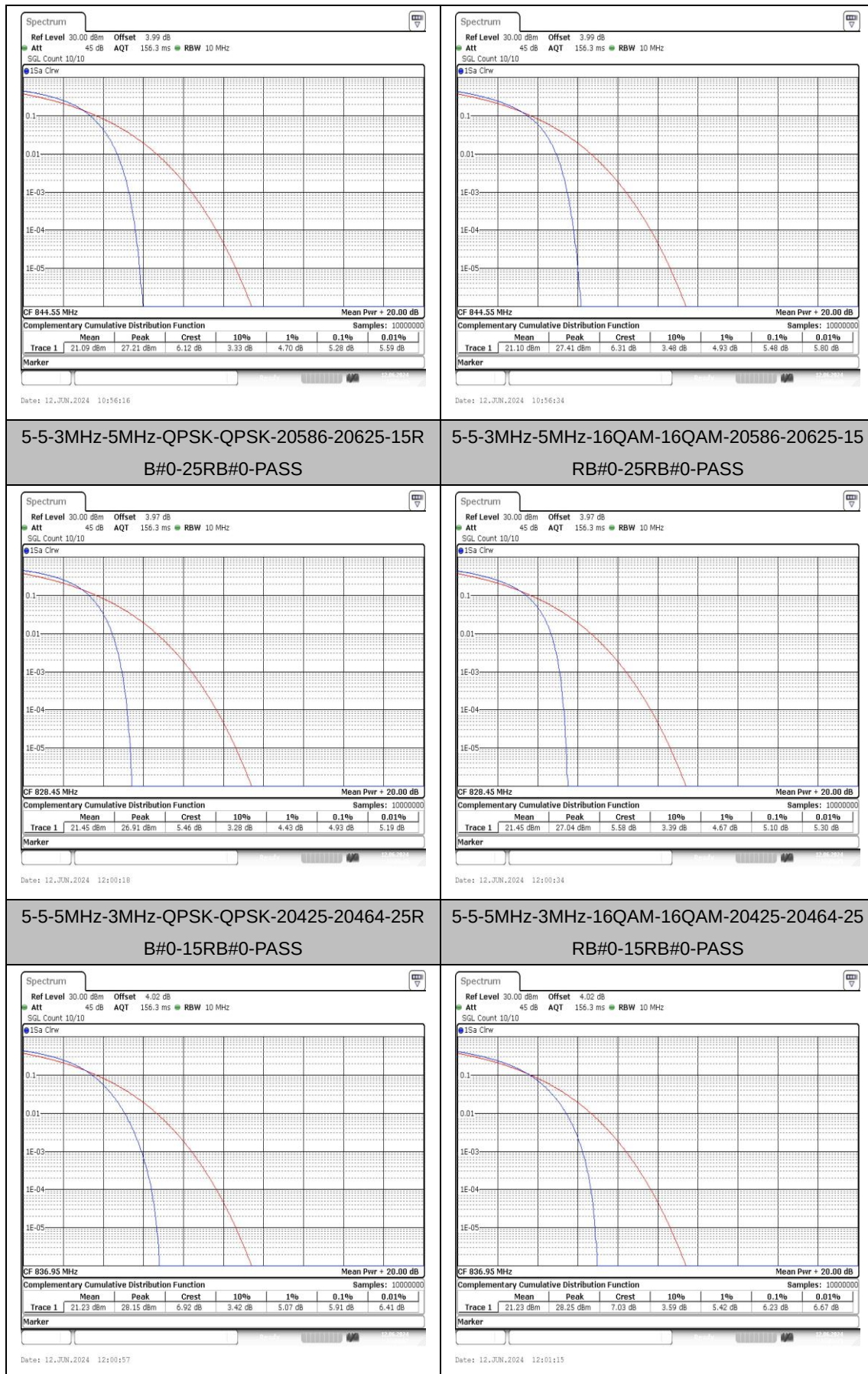
Appendix B: Peak-to-Average Ratio(CCDF)

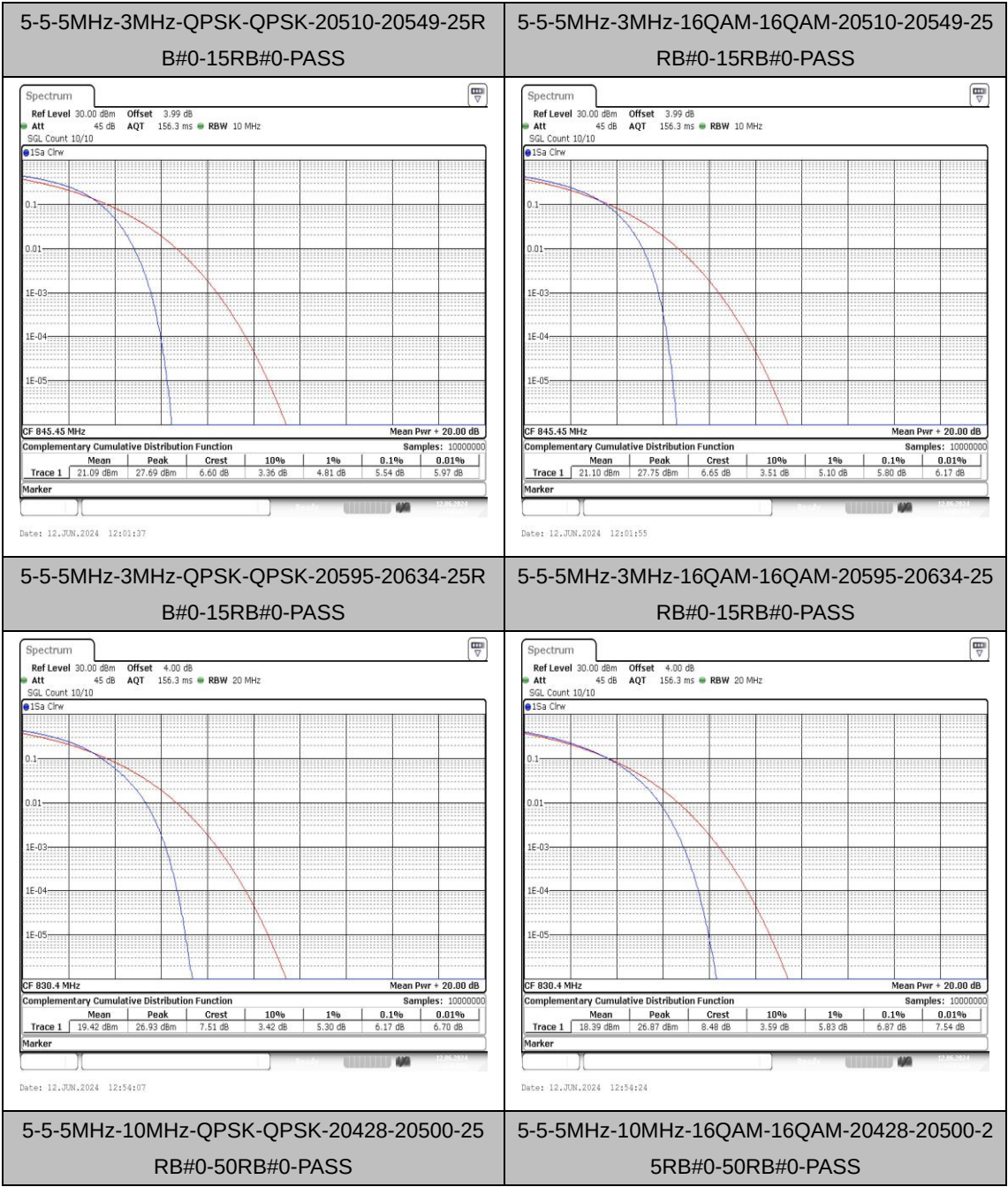
Test Result

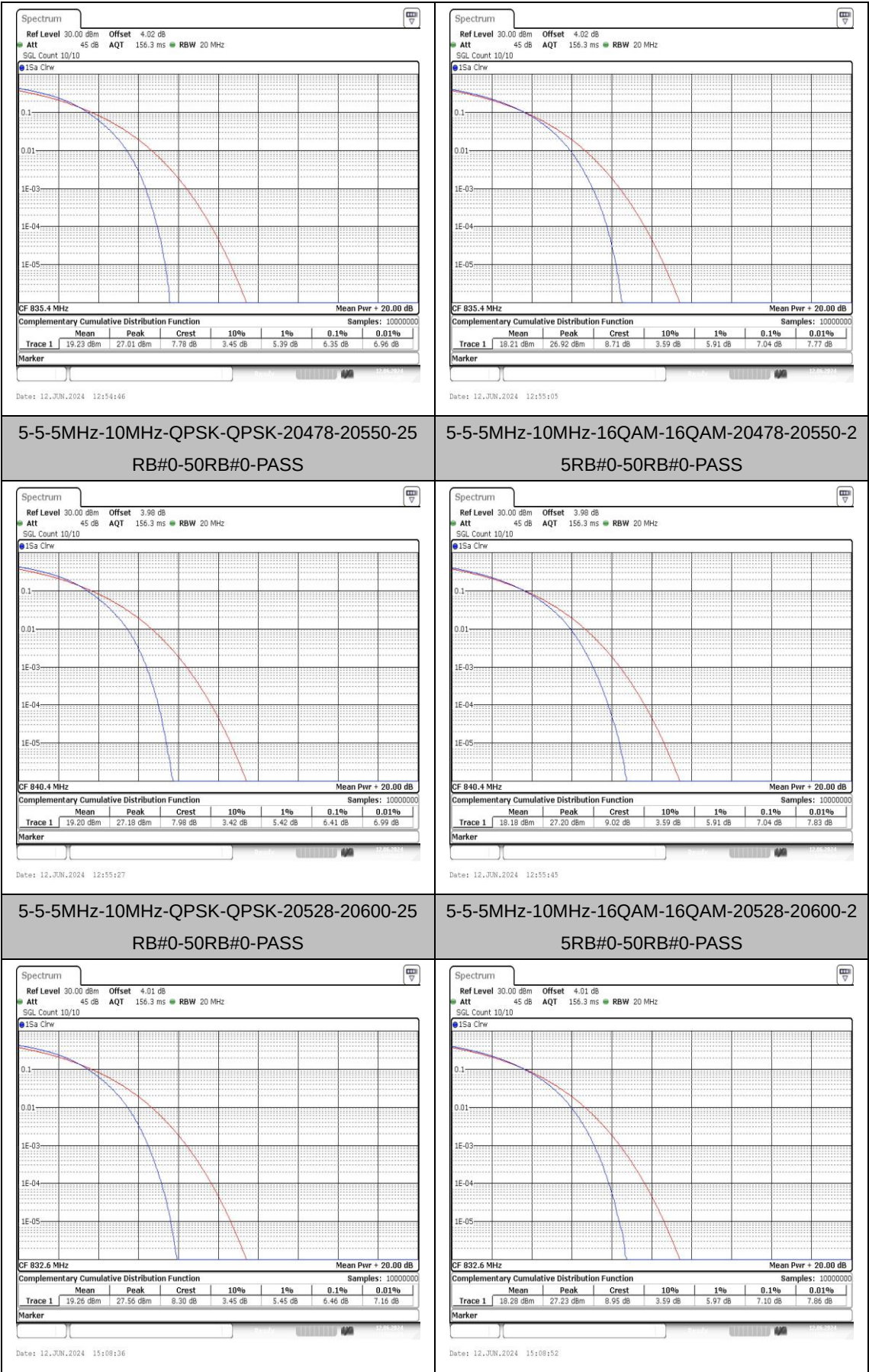
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	4.87	13	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	4.99	13	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	6.00	13	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	6.35	13	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	5.28	13	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	5.48	13	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	4.93	13	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	5.10	13	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	5.91	13	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	6.23	13	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	5.54	13	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	5.80	13	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	6.17	13	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	6.87	13	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	6.35	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	6.41	13	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	7.04	13	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	6.46	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	7.07	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	7.01	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	6.43	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	6.43	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	7.07	13	PASS

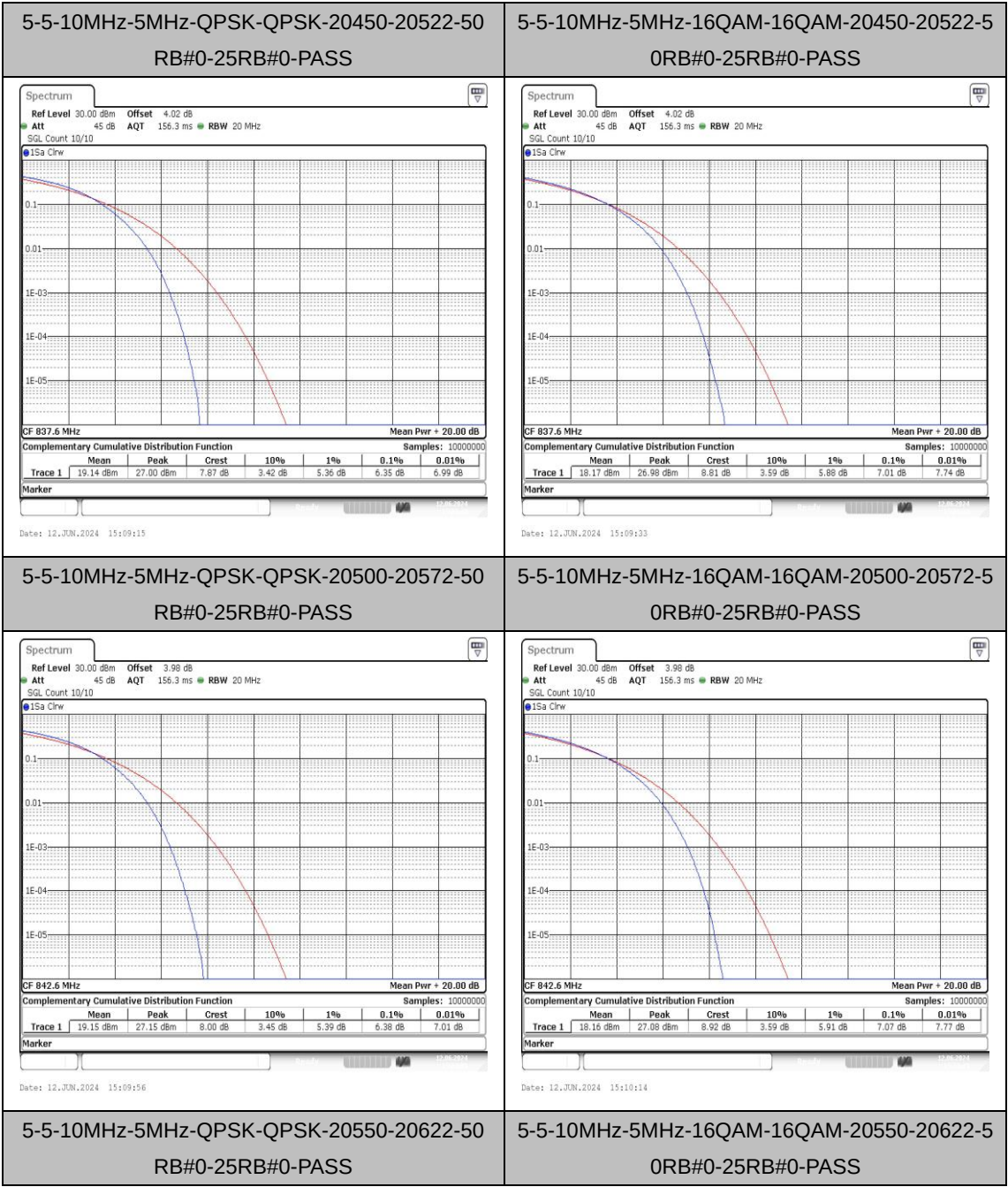
Test Graphs

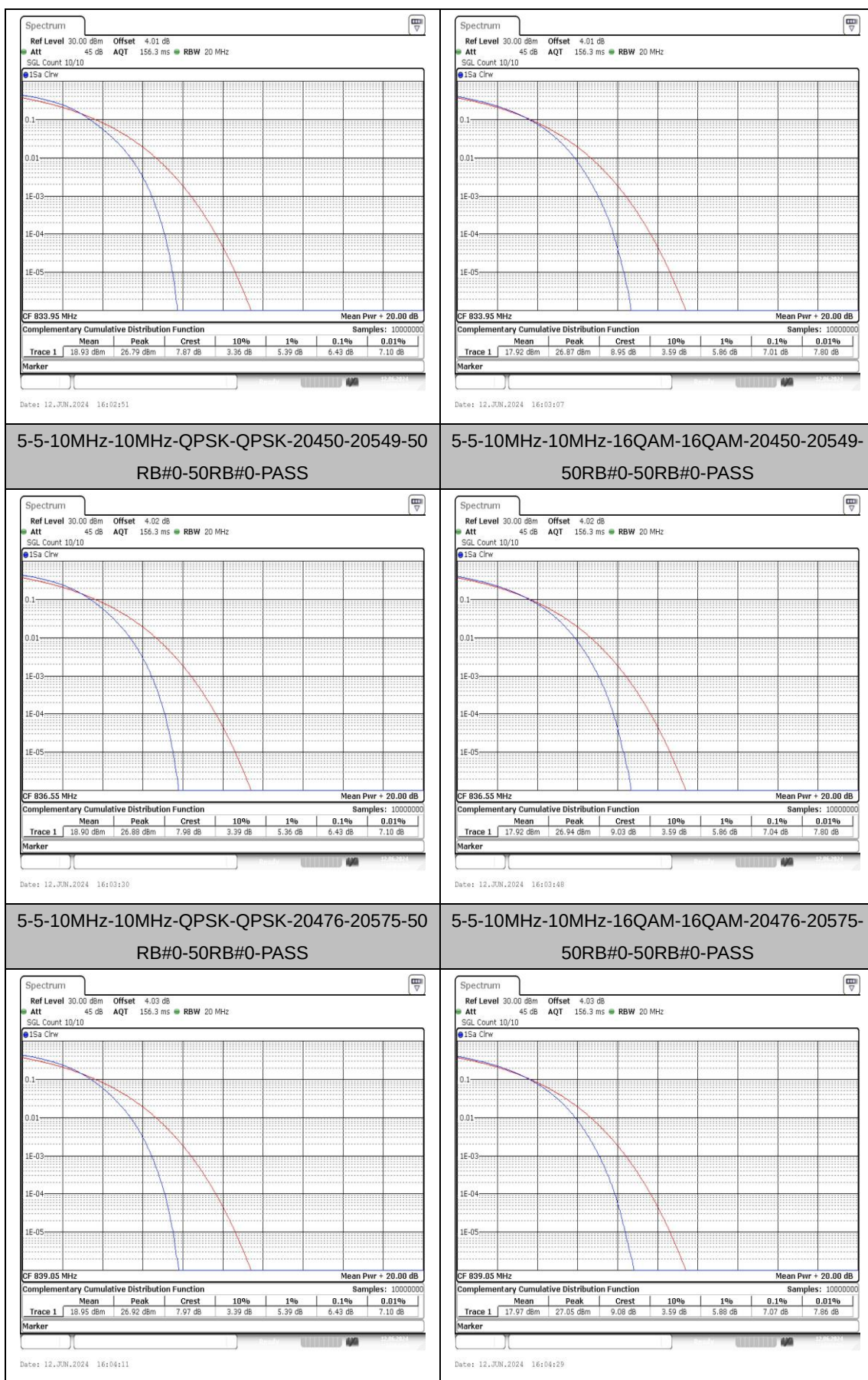












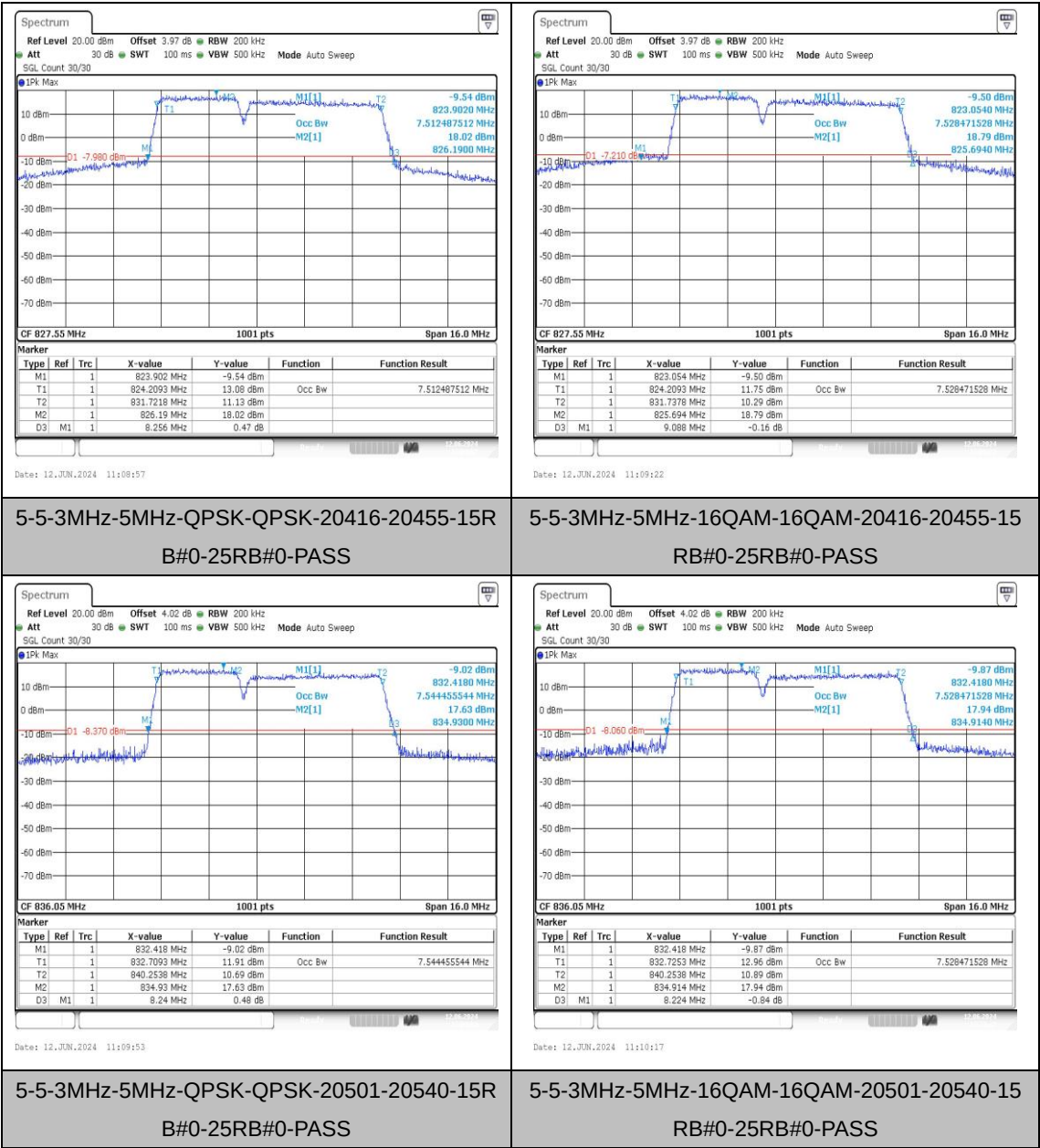
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-50 RB#0-50RB#0-PASS	5-5-10MHz-10MHz-16QAM-16QAM-20501-20600- 50RB#0-50RB#0-PASS
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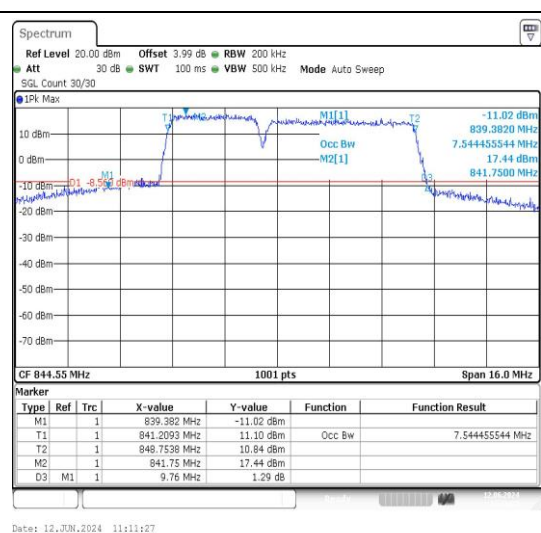
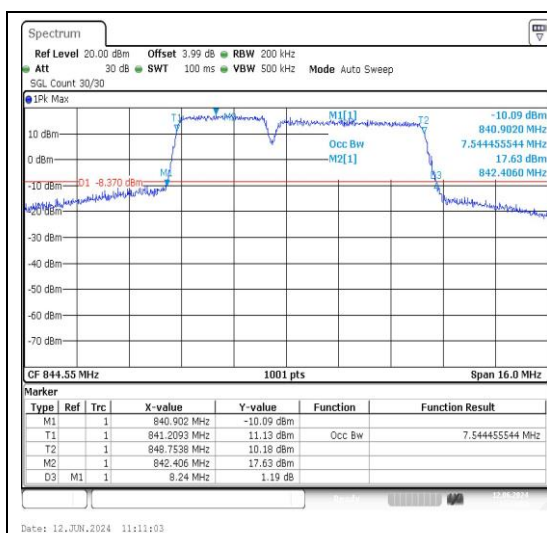
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
5-5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	7.512	8.26	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	7.528	9.09	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	7.544	8.24	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	7.528	8.22	PASS
5-5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	7.544	8.24	PASS
5-5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	7.544	9.76	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	7.544	8.27	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	7.544	9.23	PASS
5-5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	7.528	8.27	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	7.544	8.24	PASS
5-5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	7.544	8.27	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	13.936	15.00	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	13.906	15.09	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	13.936	15.00	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	13.906	15.00	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	15.03	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	13.966	15.09	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	13.936	15.06	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	13.936	15.03	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	13.936	15.12	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	13.906	15.06	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	13.876	15.00	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	18.941	20.52	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	18.901	20.56	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	18.861	20.44	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	18.861	20.60	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	18.861	20.48	PASS

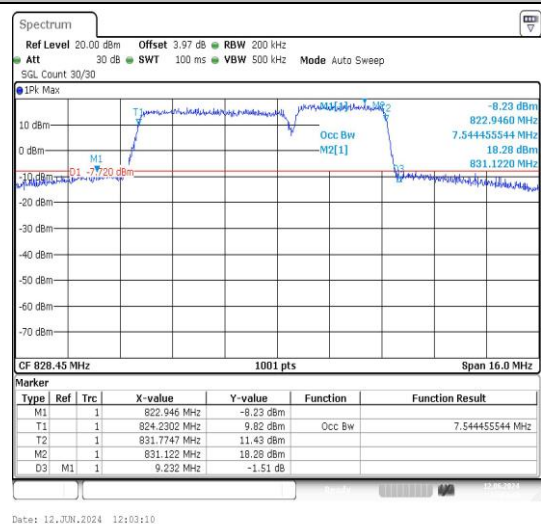
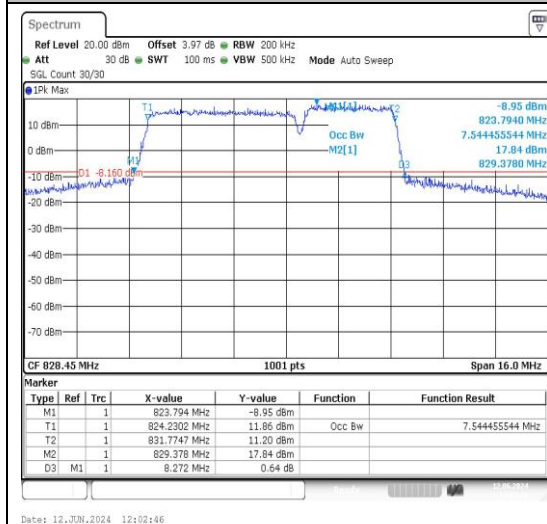
Test Graphs





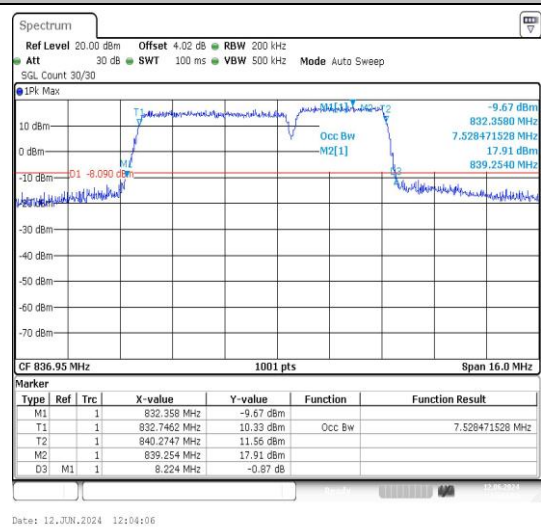
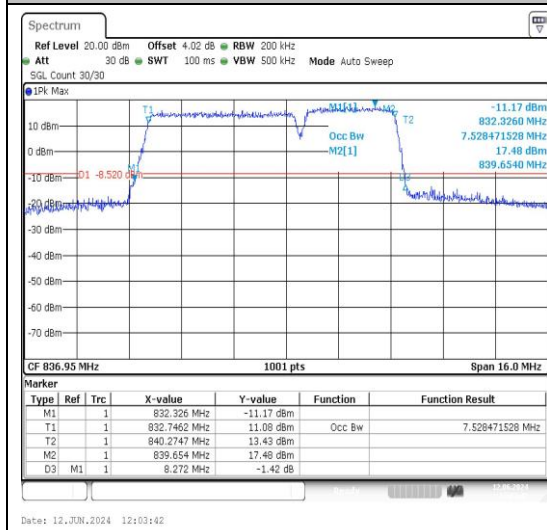
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B#0-25RB#0-PASS

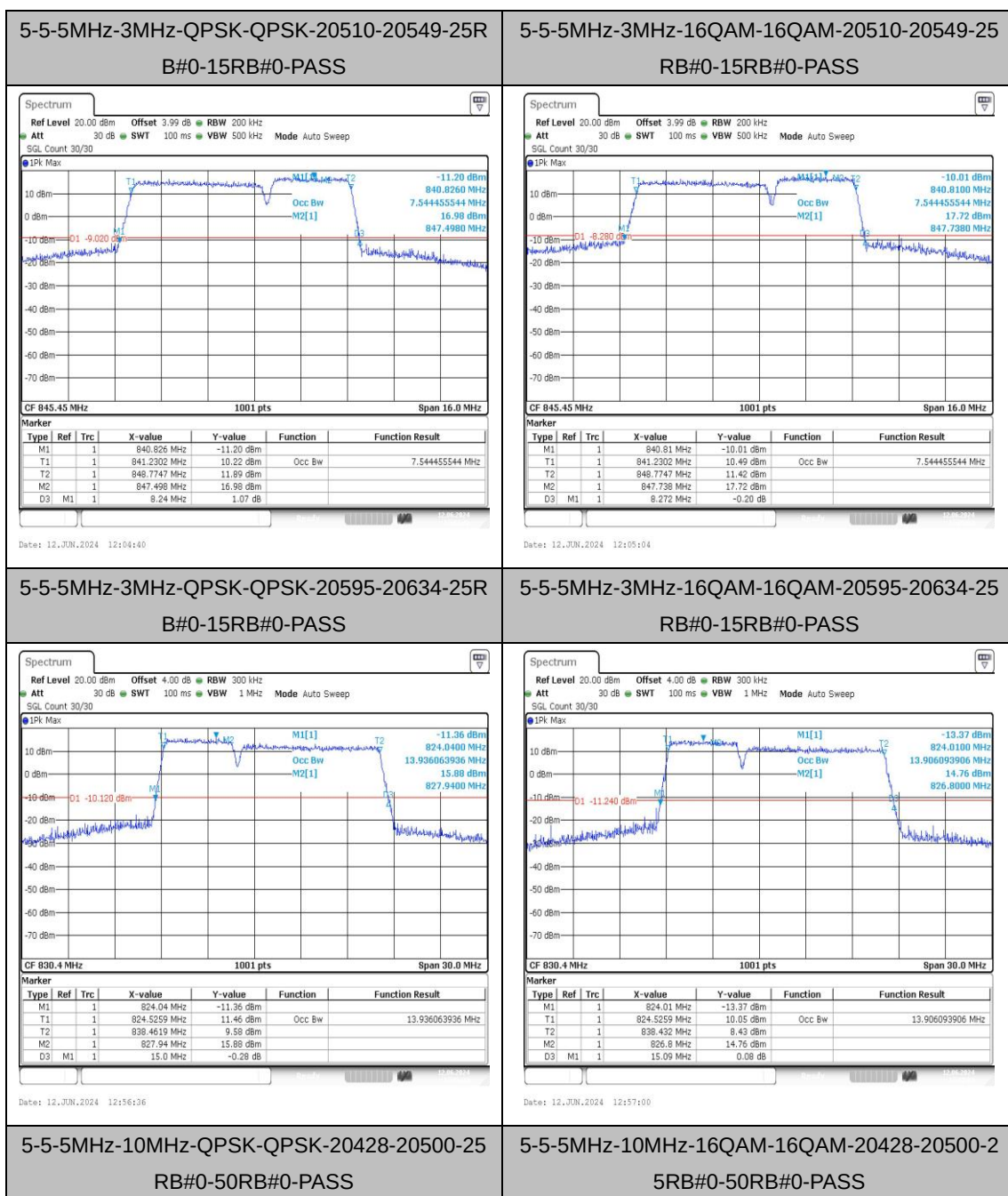
5-5-3MHz-5MHz-16QAM-16QAM-20586-20625-15
RB#0-25RB#0-PASS

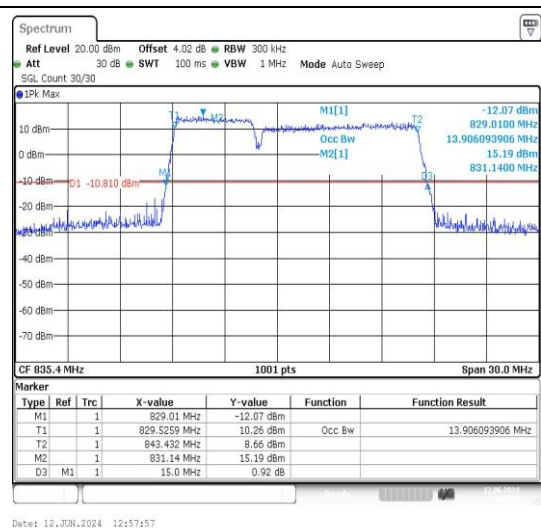
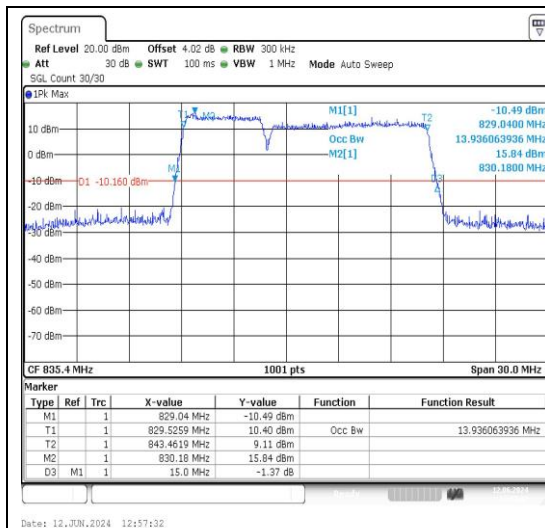


5-5-5MHz-3MHz-QPSK-QPSK-20425-20464-25R
B#0-15RB#0-PASS

5-5-5MHz-3MHz-16QAM-16QAM-20425-20464-25
RB#0-15RB#0-PASS

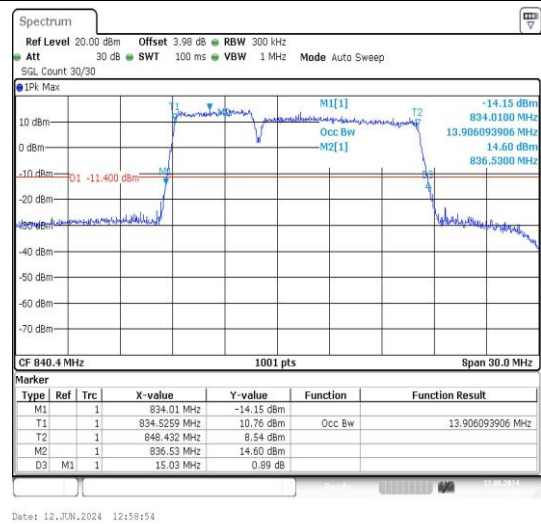
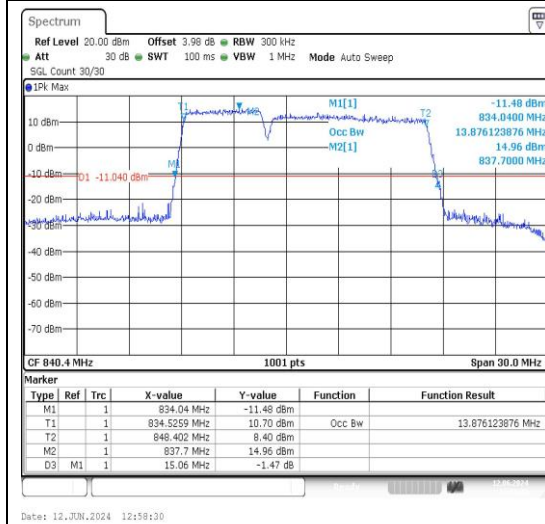






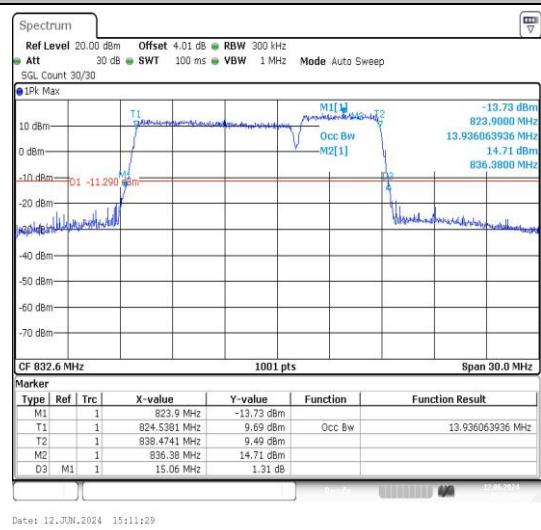
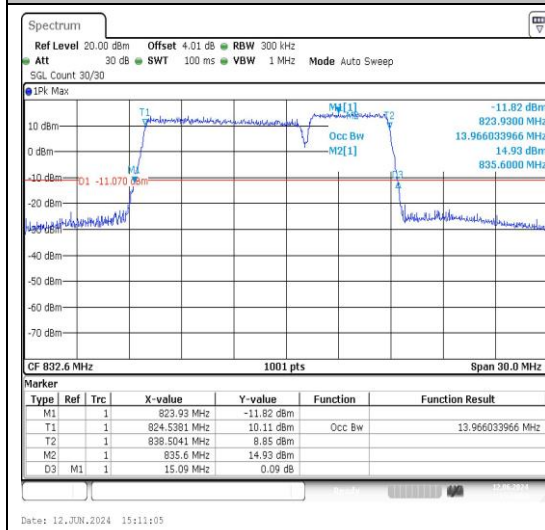
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RB#0-50RB#0-PASS

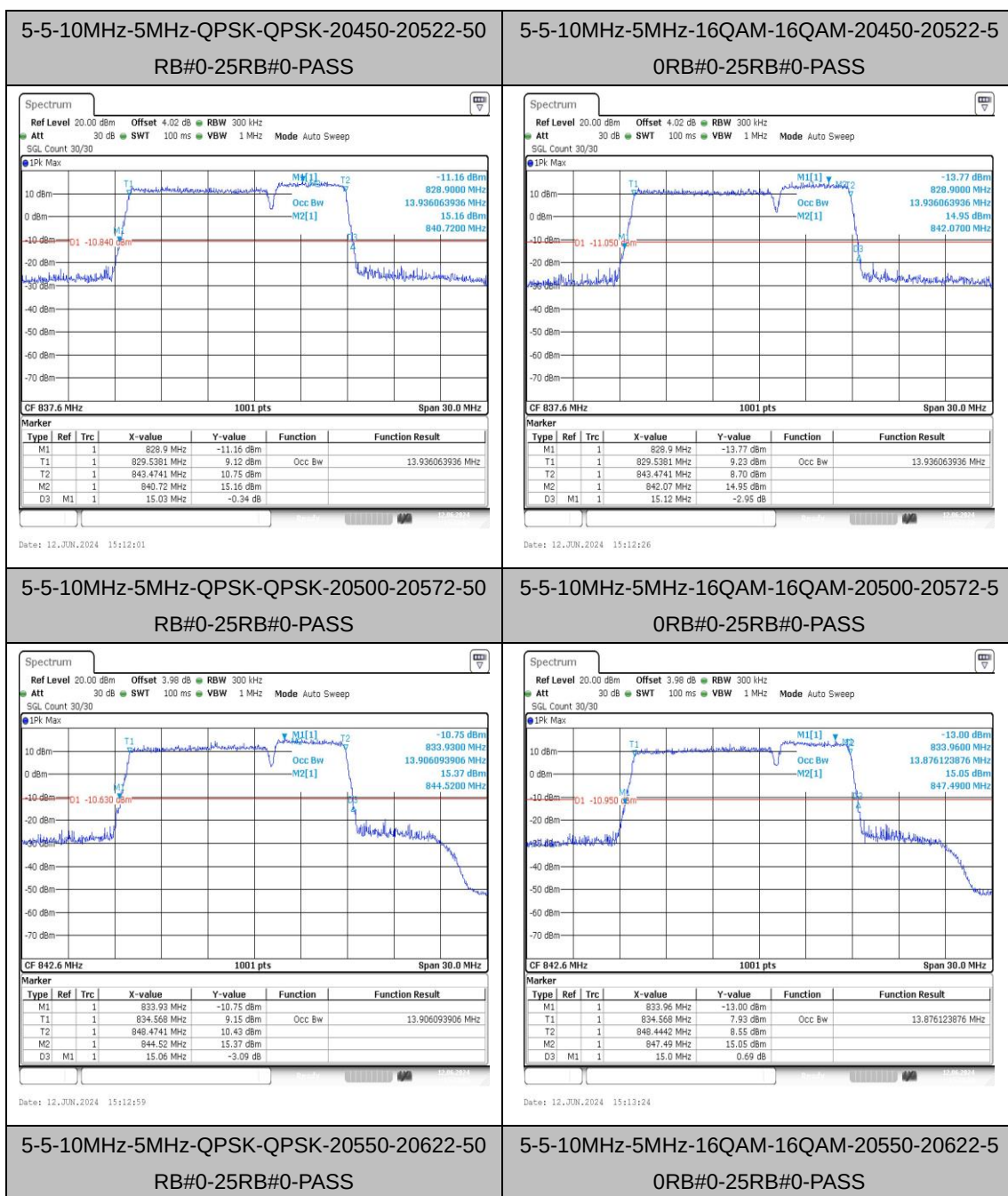
5-5-5MHz-10MHz-16QAM-16QAM-20478-20550-2
5RB#0-50RB#0-PASS

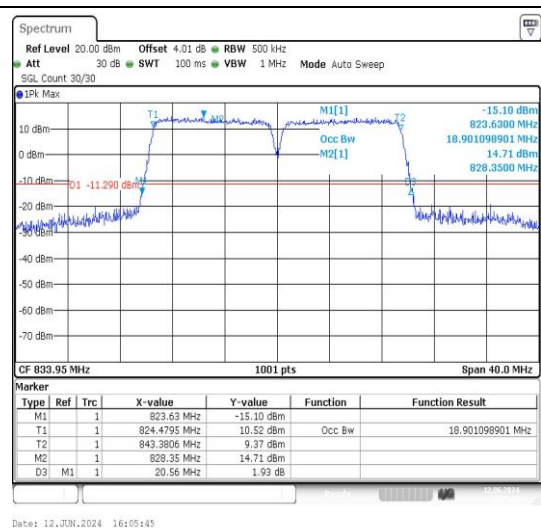
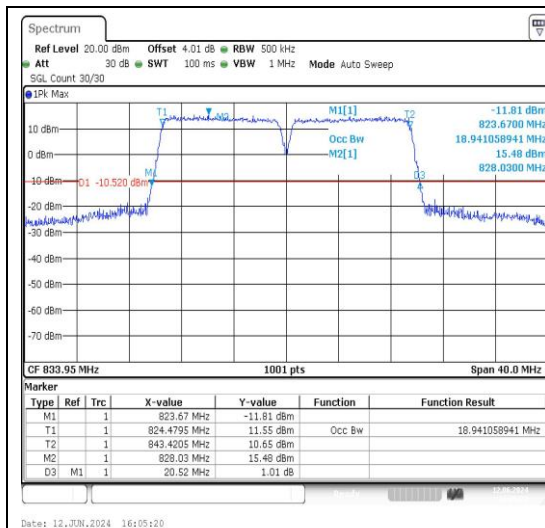


5-5-5MHz-10MHz-QPSK-QPSK-20528-20600-25
RB#0-50RB#0-PASS

5-5-5MHz-10MHz-16QAM-16QAM-20528-20600-2
5RB#0-50RB#0-PASS

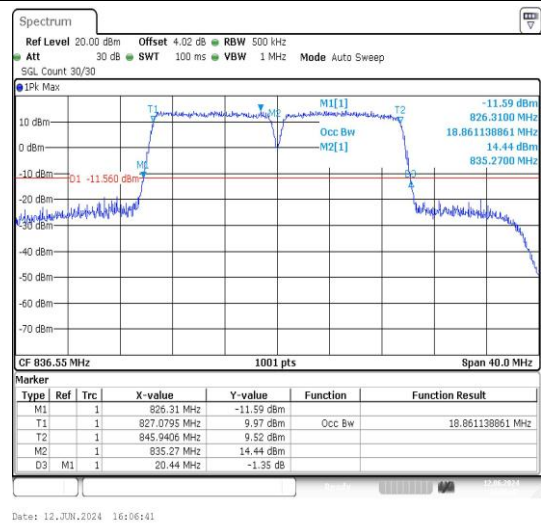
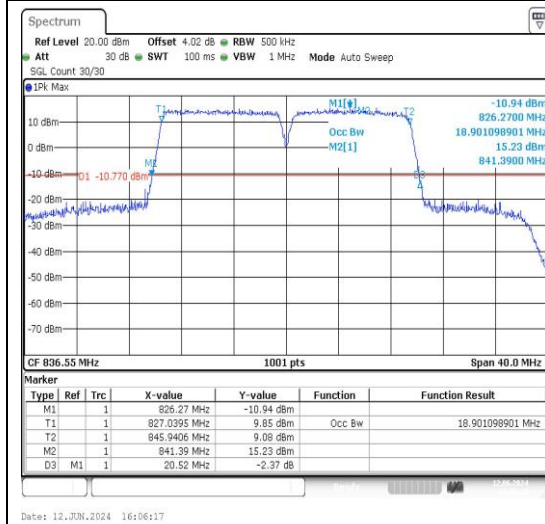






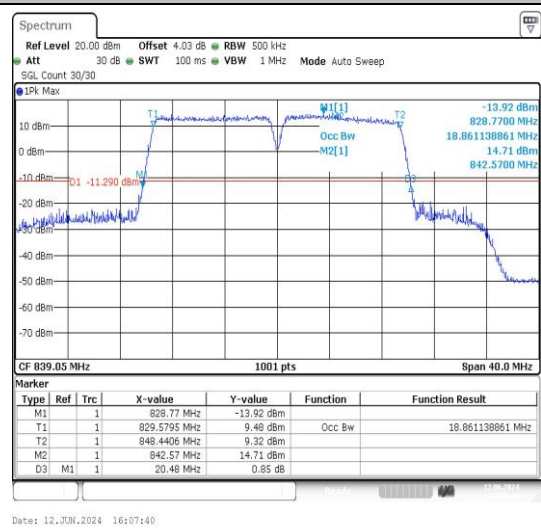
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-5
ORB#0-50RB#0-PASS

5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-
50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-5
ORB#0-50RB#0-PASS

5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-
50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-5 0RB#0-50RB#0-PASS	5-5-10MHz-10MHz-16QAM-16QAM-20501-20600- 50RB#0-50RB#0-PASS
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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	-29.73	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	1RB#0@15RB#0-0RB#0@25RB#0	-28.26	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	1RB#14@15RB#0-0RB#0@25RB#0	-53.15	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	1RB#14@15RB#0-0RB#0@25RB#0	-51.79	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	1RB#0@15RB#0-1RB#24@25RB#0	-45.21	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	1RB#0@15RB#0-1RB#24@25RB#0	-46.16	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20416-20455	15RB#0@15RB#0-25RB#0@25RB#0	-22.36	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20416-20455	15RB#0@15RB#0-25RB#0@25RB#0	-20.42	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	1RB#0@15RB#0-0RB#0@25RB#0	-55.52	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	1RB#0@15RB#0-0RB#0@25RB#0	-55.44	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	1RB#14@15RB#0-0RB#0@25RB#0	-55.23	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	1RB#14@15RB#0-0RB#0@25RB#0	-55.25	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	1RB#0@15RB#0-1RB#24@25RB#0	-33.02	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	1RB#0@15RB#0-1RB#24@25RB#0	-32.83	PASS
5-5	3MHz-5MHz	QPSK@QPSK-QPSK@QPSK	20586-20625	15RB#0@15RB#0-25RB#0@25RB#0	-24.72	PASS
5-5	3MHz-5MHz	16QAM@16QAM-16QAM@16QAM	20586-20625	15RB#0@15RB#0-25RB#0@25RB#0	-23.83	PASS
5-5	5MHz-3MHz	QPSK@QPSK-QPSK@QPSK	20425-20464	1RB#0@25RB#0-0RB#0@15RB#0	-22.10	PASS
5-5	5MHz-3MHz	16QAM@16QAM-16QAM@16QAM	20425-20464	1RB#0@25RB#0-0RB#0@15RB#0	-21.74	PASS

5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20425-2 0464	1RB#24@25RB#0-0RB#0 @15RB#0	-51.82	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20425-2 0464	1RB#24@25RB#0-0RB#0 @15RB#0	-49.60	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20425-2 0464	1RB#0@25RB#0-1RB#15 @15RB#0	-32.94	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20425-2 0464	1RB#0@25RB#0-1RB#15 @15RB#0	-33.58	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20425-2 0464	25RB#0@25RB#0-15RB# 0@15RB#0	-21.84	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20425-2 0464	25RB#0@25RB#0-15RB# 0@15RB#0	-21.23	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	1RB#0@25RB#0-0RB#0 @15RB#0	-36.40	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	1RB#0@25RB#0-0RB#0 @15RB#0	-35.98	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	1RB#24@25RB#0-0RB#0 @15RB#0	-48.61	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	1RB#24@25RB#0-0RB#0 @15RB#0	-49.22	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	1RB#0@25RB#0-1RB#15 @15RB#0	-52.90	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	1RB#0@25RB#0-1RB#15 @15RB#0	-52.64	PAS S
5-5	5MHz-3M Hz	QPSK@QPSK-QPSK@ QPSK	20595-2 0634	25RB#0@25RB#0-15RB# 0@15RB#0	-28.19	PAS S
5-5	5MHz-3M Hz	16QAM@16QAM-16QA M@16QAM	20595-2 0634	25RB#0@25RB#0-15RB# 0@15RB#0	-25.97	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	1RB#0@25RB#0-0RB#0 @50RB#0	-37.61	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	1RB#0@25RB#0-0RB#0 @50RB#0	-39.11	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	1RB#24@25RB#0-0RB#0 @50RB#0	-52.61	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	1RB#24@25RB#0-0RB#0 @50RB#0	-52.62	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	1RB#0@25RB#0-1RB#49 @50RB#0	-48.08	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	1RB#0@25RB#0-1RB#49 @50RB#0	-48.05	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20428-2 0500	25RB#0@25RB#0-50RB# 0@50RB#0	-36.67	PAS S

5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20428-2 0500	25RB#0@25RB#0-50RB# 0@50RB#0	-37.77	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	1RB#0@25RB#0-0RB#0 @50RB#0	-53.26	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	1RB#0@25RB#0-0RB#0 @50RB#0	-51.28	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	1RB#24@25RB#0-0RB#0 @50RB#0	-48.57	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	1RB#24@25RB#0-0RB#0 @50RB#0	-49.52	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	1RB#0@25RB#0-1RB#49 @50RB#0	-43.61	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	1RB#0@25RB#0-1RB#49 @50RB#0	-42.57	PAS S
5-5	5MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20528-2 0600	25RB#0@25RB#0-50RB# 0@50RB#0	-35.21	PAS S
5-5	5MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20528-2 0600	25RB#0@25RB#0-50RB# 0@50RB#0	-35.66	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	1RB#0@50RB#0-0RB#0 @25RB#0	-30.73	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	1RB#0@50RB#0-0RB#0 @25RB#0	-31.01	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	1RB#49@50RB#0-0RB#0 @25RB#0	-46.43	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	1RB#49@50RB#0-0RB#0 @25RB#0	-46.68	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	1RB#0@50RB#0-1RB#24 @25RB#0	-42.39	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	1RB#0@50RB#0-1RB#24 @25RB#0	-41.97	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0522	50RB#0@50RB#0-25RB# 0@25RB#0	-32.63	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0522	50RB#0@50RB#0-25RB# 0@25RB#0	-34.42	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	1RB#0@50RB#0-0RB#0 @25RB#0	-53.99	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	1RB#0@50RB#0-0RB#0 @25RB#0	-53.30	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	1RB#49@50RB#0-0RB#0 @25RB#0	-53.65	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	1RB#49@50RB#0-0RB#0 @25RB#0	-53.91	PAS S

5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	1RB#0@50RB#0-1RB#24 @25RB#0	-48.57	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	1RB#0@50RB#0-1RB#24 @25RB#0	-48.82	PAS S
5-5	10MHz-5 MHz	QPSK@QPSK-QPSK@ QPSK	20550-2 0622	50RB#0@50RB#0-25RB# 0@25RB#0	-37.88	PAS S
5-5	10MHz-5 MHz	16QAM@16QAM-16QA M@16QAM	20550-2 0622	50RB#0@50RB#0-25RB# 0@25RB#0	-38.97	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	1RB#0@50RB#0-0RB#0 @50RB#0	-27.74	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	1RB#0@50RB#0-0RB#0 @50RB#0	-28.83	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	1RB#49@50RB#0-0RB#0 @50RB#0	-47.19	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	1RB#49@50RB#0-0RB#0 @50RB#0	-45.28	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	1RB#0@50RB#0-1RB#49 @50RB#0	-41.04	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	1RB#0@50RB#0-1RB#49 @50RB#0	-40.95	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20450-2 0549	50RB#0@50RB#0-50RB# 0@50RB#0	-32.11	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20450-2 0549	50RB#0@50RB#0-50RB# 0@50RB#0	-32.57	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	1RB#0@50RB#0-0RB#0 @50RB#0	-52.95	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	1RB#0@50RB#0-0RB#0 @50RB#0	-52.93	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	1RB#49@50RB#0-0RB#0 @50RB#0	-52.98	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	1RB#49@50RB#0-0RB#0 @50RB#0	-53.18	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	1RB#0@50RB#0-1RB#49 @50RB#0	-40.66	PAS S
5-5	10MHz-10 MHz	16QAM@16QAM-16QA M@16QAM	20501-2 0600	1RB#0@50RB#0-1RB#49 @50RB#0	-40.27	PAS S
5-5	10MHz-10 MHz	QPSK@QPSK-QPSK@ QPSK	20501-2 0600	50RB#0@50RB#0-50RB# 0@50RB#0	-34.01	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

