

Appendix-A LTE CA_5B

Effective (Isotropic) Radiated Power Output Data

Test Result

Ant8:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-0RB#0	24.67	24.02	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	12RB#0-0RB#0	23.38	22.73	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#49-0RB#0	24.42	23.77	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	21.79	21.14	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-0RB#0	24.35	23.7	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	12RB#0-0RB#0	23.35	22.7	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#49-0RB#0	24.08	23.43	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	21.31	20.66	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-0RB#0	24.29	23.64	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	12RB#0-0RB#0	23.24	22.59	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#49-0RB#0	24.05	23.4	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	21.36	20.71	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-0RB#0	23.96	23.31	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	12RB#0-0RB#0	22.47	21.82	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#49-0RB#0	23.63	22.98	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	20.91	20.26	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-0RB#0	23.67	23.02	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	12RB#0-0RB#0	22.39	21.74	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#49-0RB#0	23.62	22.97	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	20.33	19.68	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-0RB#0	23.8	23.15	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	12RB#0-0RB#0	22.29	21.64	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#49-0RB#0	23.54	22.89	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	20.51	19.86	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	1RB#0-0RB#0	21.85	21.2	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	12RB#0-0RB#0	21.53	20.88	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	1RB#49-0RB#0	21.53	20.88	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	50RB#0-25RB#0	20.57	19.92	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	1RB#0-0RB#0	22.89	22.24	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	12RB#0-0RB#0	21.5	20.85	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	1RB#49-0RB#0	22.56	21.91	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	50RB#0-25RB#0	20.23	19.58	38.45	PASS

5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	1RB#0-0RB#0	22.7	22.05	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	12RB#0-0RB#0	21.34	20.69	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	1RB#49-0RB#0	22.49	21.84	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	50RB#0-25RB#0	20.42	19.77	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	1RB#0-0RB#0	19.55	18.9	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	12RB#0-0RB#0	19.38	18.73	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	1RB#49-0RB#0	19.44	18.79	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	50RB#0-25RB#0	18.29	17.64	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	1RB#0-0RB#0	19.52	18.87	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	12RB#0-0RB#0	19.34	18.69	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	1RB#49-0RB#0	19.3	18.65	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	50RB#0-25RB#0	18.63	17.98	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	1RB#0-0RB#0	19.58	18.93	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	12RB#0-0RB#0	19.25	18.6	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	1RB#49-0RB#0	19.27	18.62	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	50RB#0-25RB#0	18.06	17.41	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-0RB#0	24.59	23.94	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	8RB#0-0RB#0	24.35	23.7	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#24-0RB#0	24.24	23.59	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	21.49	20.84	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-0RB#0	24.31	23.66	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	8RB#0-0RB#0	24.31	23.66	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#24-0RB#0	24.11	23.46	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	21.65	21	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-0RB#0	24.21	23.56	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	8RB#0-0RB#0	24.26	23.61	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#24-0RB#0	24.11	23.46	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	21.42	20.77	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-0RB#0	23.79	23.14	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	8RB#0-0RB#0	23.45	22.8	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#24-0RB#0	23.71	23.06	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	20.63	19.98	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-0RB#0	23.7	23.05	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	8RB#0-0RB#0	23.42	22.77	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#24-0RB#0	23.52	22.87	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	20.79	20.14	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-0RB#0	23.79	23.14	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	8RB#0-0RB#0	23.27	22.62	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#24-0RB#0	23.69	23.04	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	20.58	19.93	38.45	PASS

5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	1RB#0-0RB#0	22.7	22.05	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	8RB#0-0RB#0	22.52	21.87	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	1RB#24-0RB#0	22.62	21.97	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	25RB#0-50RB#0	20.78	20.13	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	1RB#0-0RB#0	22.77	22.12	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	8RB#0-0RB#0	22.48	21.83	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	1RB#24-0RB#0	22.66	22.01	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	25RB#0-50RB#0	20.17	19.52	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	1RB#0-0RB#0	22.73	22.08	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	8RB#0-0RB#0	22.38	21.73	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	1RB#24-0RB#0	22.46	21.81	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	25RB#0-50RB#0	20.29	19.64	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	1RB#0-0RB#0	19.41	18.76	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	8RB#0-0RB#0	19.4	18.75	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	1RB#24-0RB#0	19.48	18.83	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	25RB#0-50RB#0	18.51	17.86	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	1RB#0-0RB#0	19.62	18.97	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	8RB#0-0RB#0	19.39	18.74	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	1RB#24-0RB#0	19.41	18.76	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	25RB#0-50RB#0	18.6	17.95	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	1RB#0-0RB#0	19.4	18.75	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	8RB#0-0RB#0	19.25	18.6	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	1RB#24-0RB#0	19.26	18.61	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	25RB#0-50RB#0	18.25	17.6	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-0RB#0	24.36	23.71	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	12RB#0-0RB#0	24.29	23.64	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#49-0RB#0	24.17	23.52	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	21.35	20.7	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-0RB#0	24.21	23.56	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	12RB#0-0RB#0	24.25	23.6	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#49-0RB#0	24.07	23.42	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	21.12	20.47	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-0RB#0	24.52	23.87	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	12RB#0-0RB#0	24.23	23.58	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#49-0RB#0	24.35	23.7	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	21.42	20.77	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-0RB#0	23.77	23.12	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	12RB#0-0RB#0	23.35	22.7	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#49-0RB#0	23.75	23.1	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	20.49	19.84	38.45	PASS

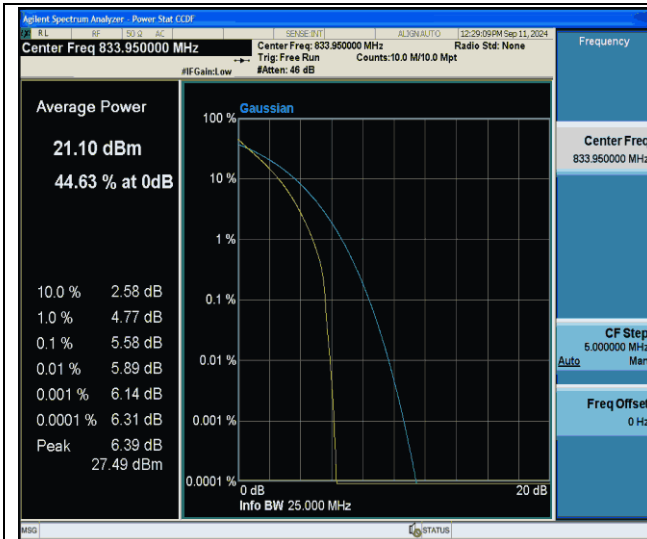
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-0RB#0	23.75	23.1	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	12RB#0-0RB#0	23.26	22.61	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#49-0RB#0	23.59	22.94	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	20.28	19.63	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#0-0RB#0	23.62	22.97	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	12RB#0-0RB#0	23.3	22.65	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#49-0RB#0	23.47	22.82	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	20.55	19.9	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	1RB#0-0RB#0	22.65	22	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	12RB#0-0RB#0	22.43	21.78	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	1RB#49-0RB#0	22.66	22.01	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	20.62	19.97	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	1RB#0-0RB#0	22.71	22.06	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	12RB#0-0RB#0	22.37	21.72	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	1RB#49-0RB#0	22.55	21.9	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	20.28	19.63	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	1RB#0-0RB#0	22.63	21.98	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	12RB#0-0RB#0	22.35	21.7	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	1RB#49-0RB#0	22.46	21.81	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	20.68	20.03	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	1RB#0-0RB#0	19.66	19.01	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	12RB#0-0RB#0	19.35	18.7	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	1RB#49-0RB#0	19.45	18.8	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	18.34	17.69	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	1RB#0-0RB#0	19.58	18.93	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	12RB#0-0RB#0	19.39	18.74	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	1RB#49-0RB#0	19.39	18.74	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	18.03	17.38	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	1RB#0-0RB#0	19.57	18.92	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	12RB#0-0RB#0	19.36	18.71	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	1RB#49-0RB#0	19.45	18.8	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	18	17.35	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

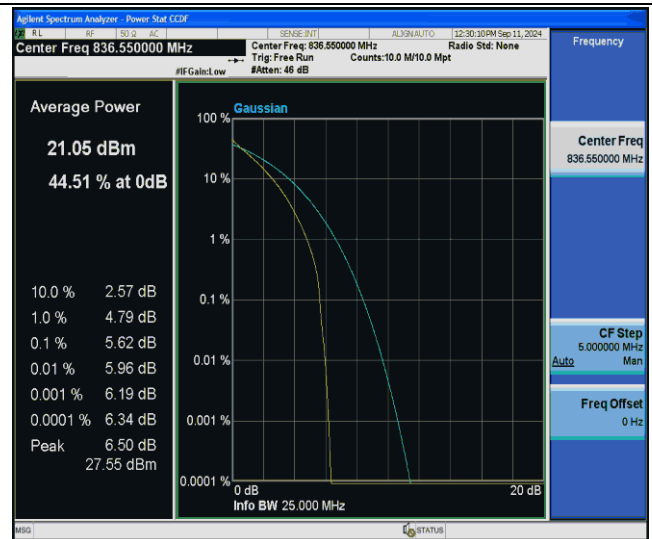
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	5.58	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	5.62	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	5.64	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	6.57	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	6.58	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	6.62	13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	6.79	13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	6.84	13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	6.88	13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	6.92	13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	6.88	13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	6.89	13	PASS

Test Graphs



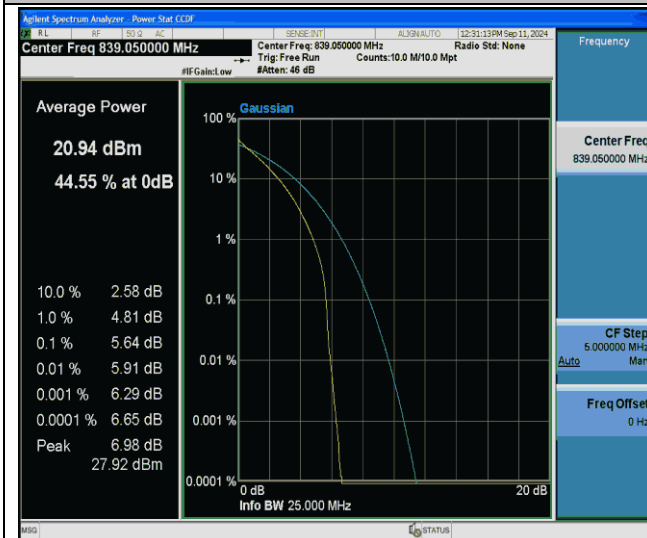
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-50RB#0-50RB#0-

PASS



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

PASS



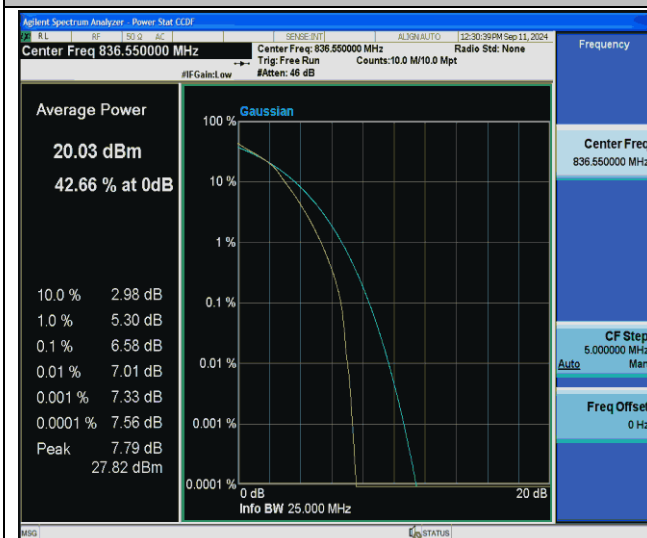
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-50RB#0-50RB#0-

PASS



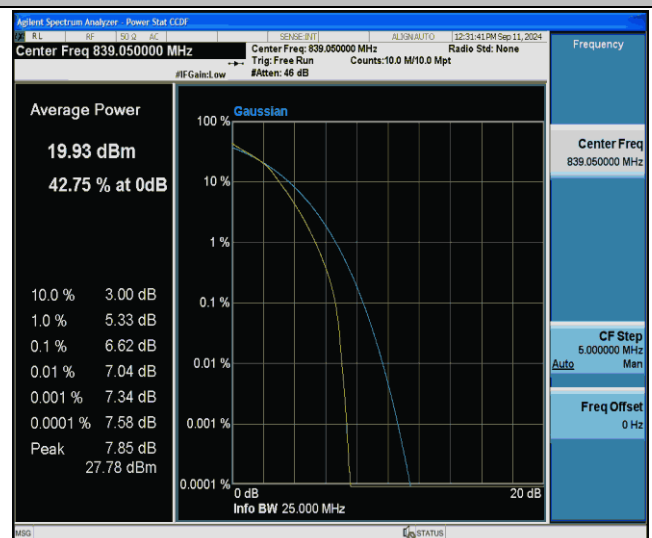
5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-50RB#0-

50RB#0-PASS



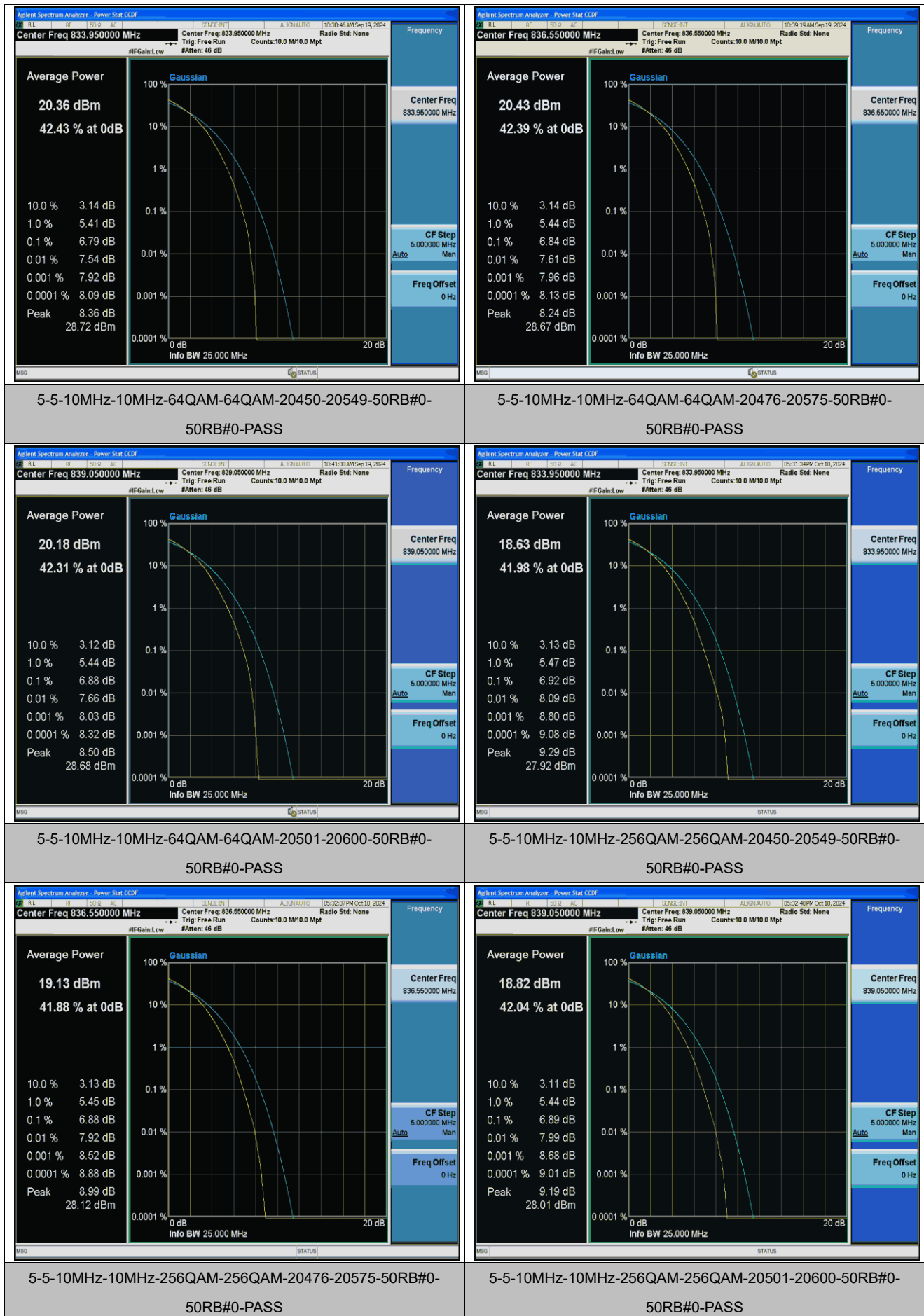
5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-50RB#0-

50RB#0-PASS



5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-50RB#0-

50RB#0-PASS

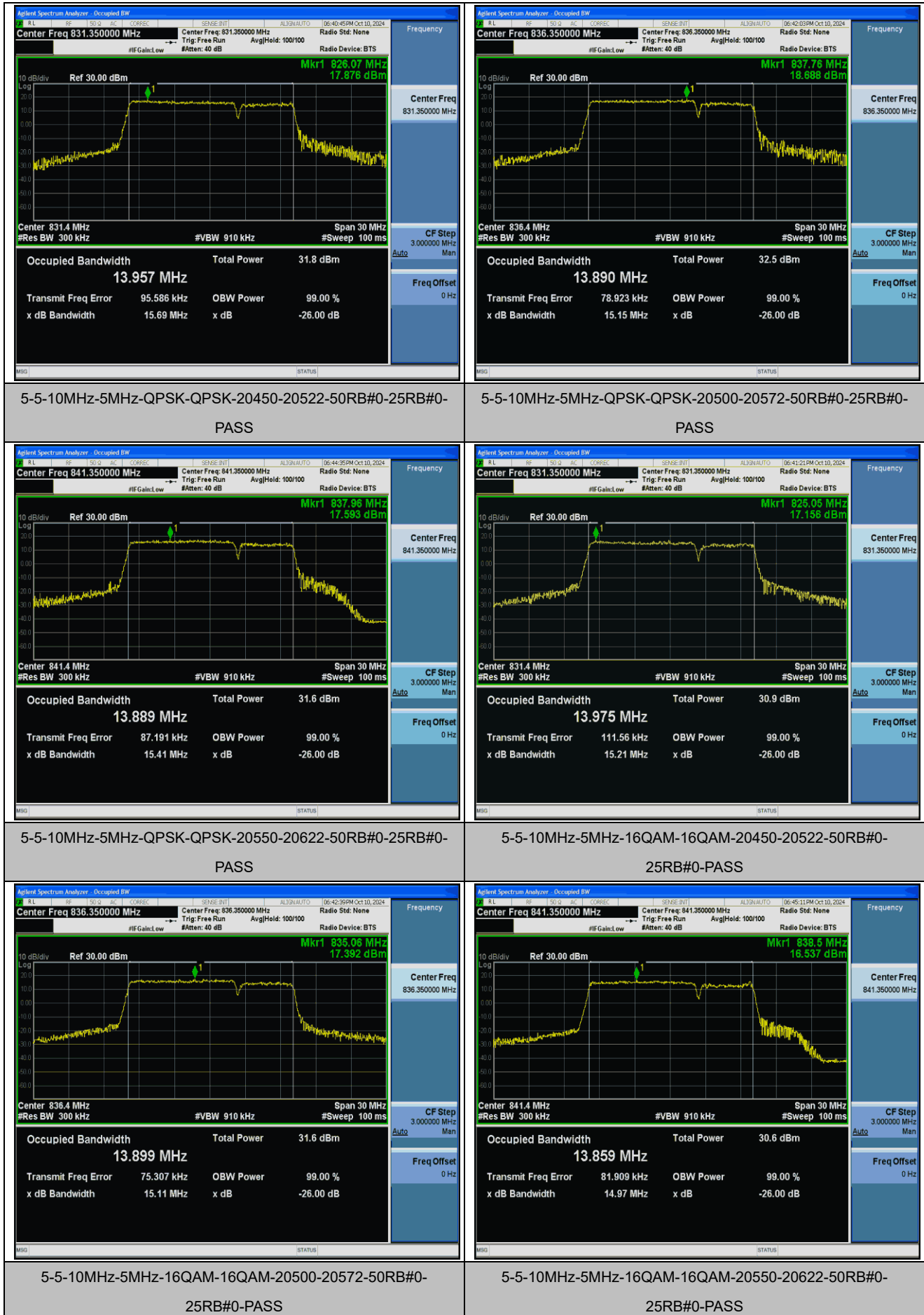


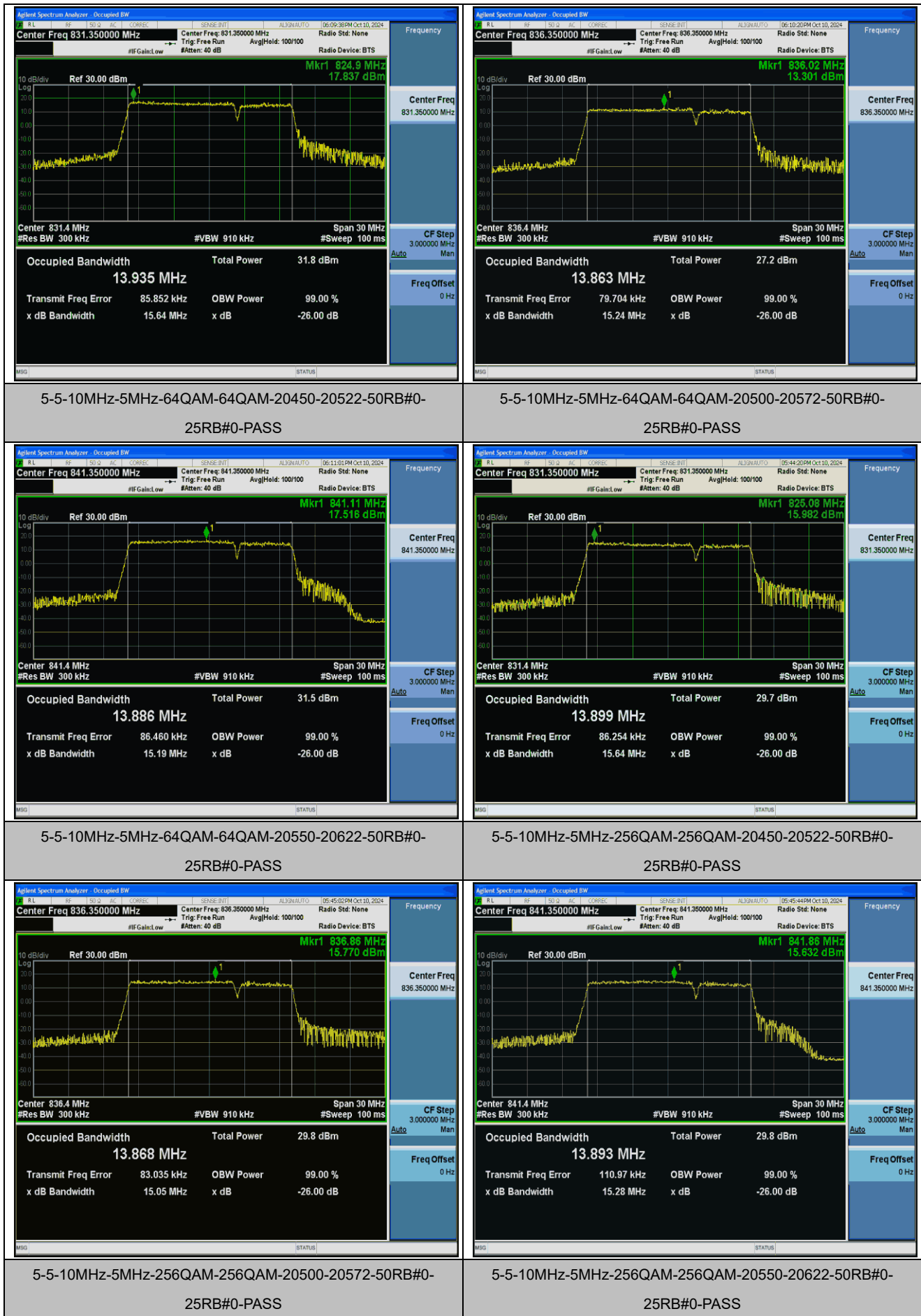
26dB Bandwidth and Occupied Bandwidth

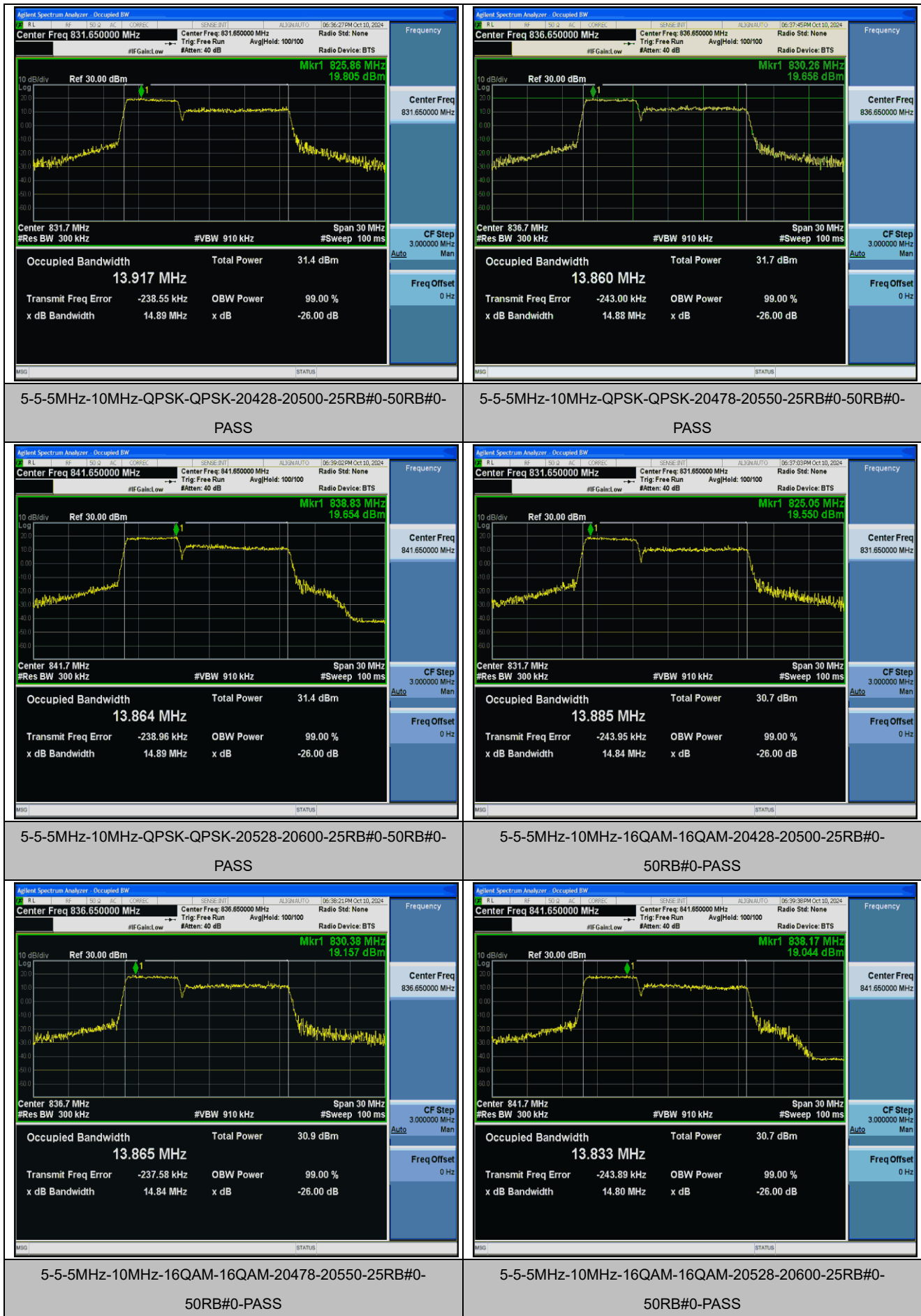
Test Result

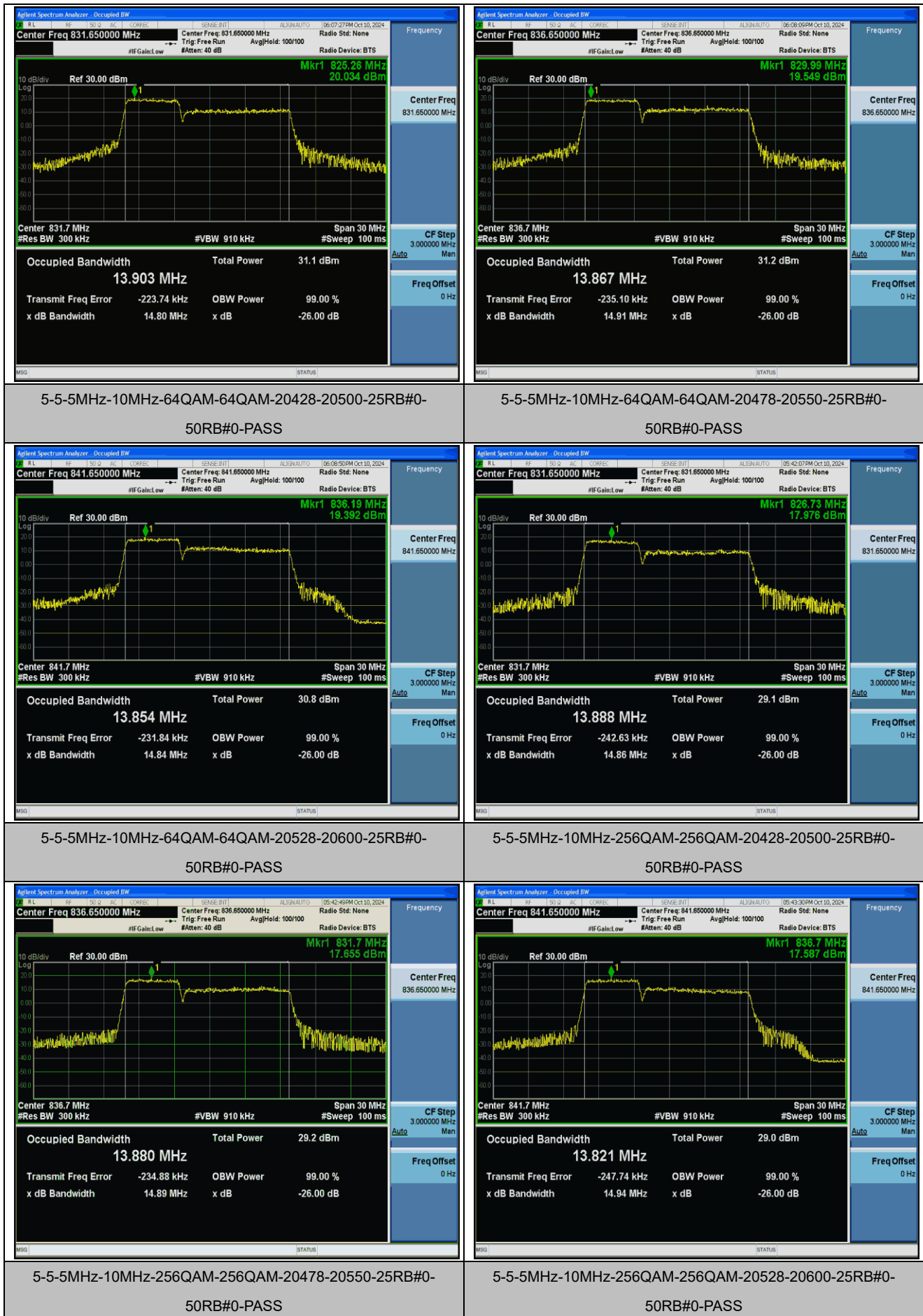
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	13.957	15.69	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	13.890	15.15	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	13.889	15.41	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	13.975	15.21	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	13.899	15.11	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	13.859	14.97	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	50RB#0-25RB#0	13.935	15.64	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	50RB#0-25RB#0	13.863	15.24	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	50RB#0-25RB#0	13.886	15.19	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	50RB#0-25RB#0	13.899	15.64	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	50RB#0-25RB#0	13.868	15.05	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	50RB#0-25RB#0	13.893	15.28	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	13.917	14.89	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	13.860	14.88	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	13.864	14.89	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	13.885	14.84	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	13.865	14.84	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	13.833	14.80	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	25RB#0-50RB#0	13.903	14.80	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	25RB#0-50RB#0	13.867	14.91	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	25RB#0-50RB#0	13.854	14.84	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	25RB#0-50RB#0	13.888	14.86	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	25RB#0-50RB#0	13.880	14.89	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	25RB#0-50RB#0	13.821	14.94	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	18.784	20.15	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	18.744	20.10	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	18.809	20.25	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	18.818	20.22	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	18.729	20.05	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	18.714	20.18	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	18.820	20.13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	18.778	20.10	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	18.774	20.06	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	18.763	20.13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	18.784	20.23	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	18.784	20.20	PASS

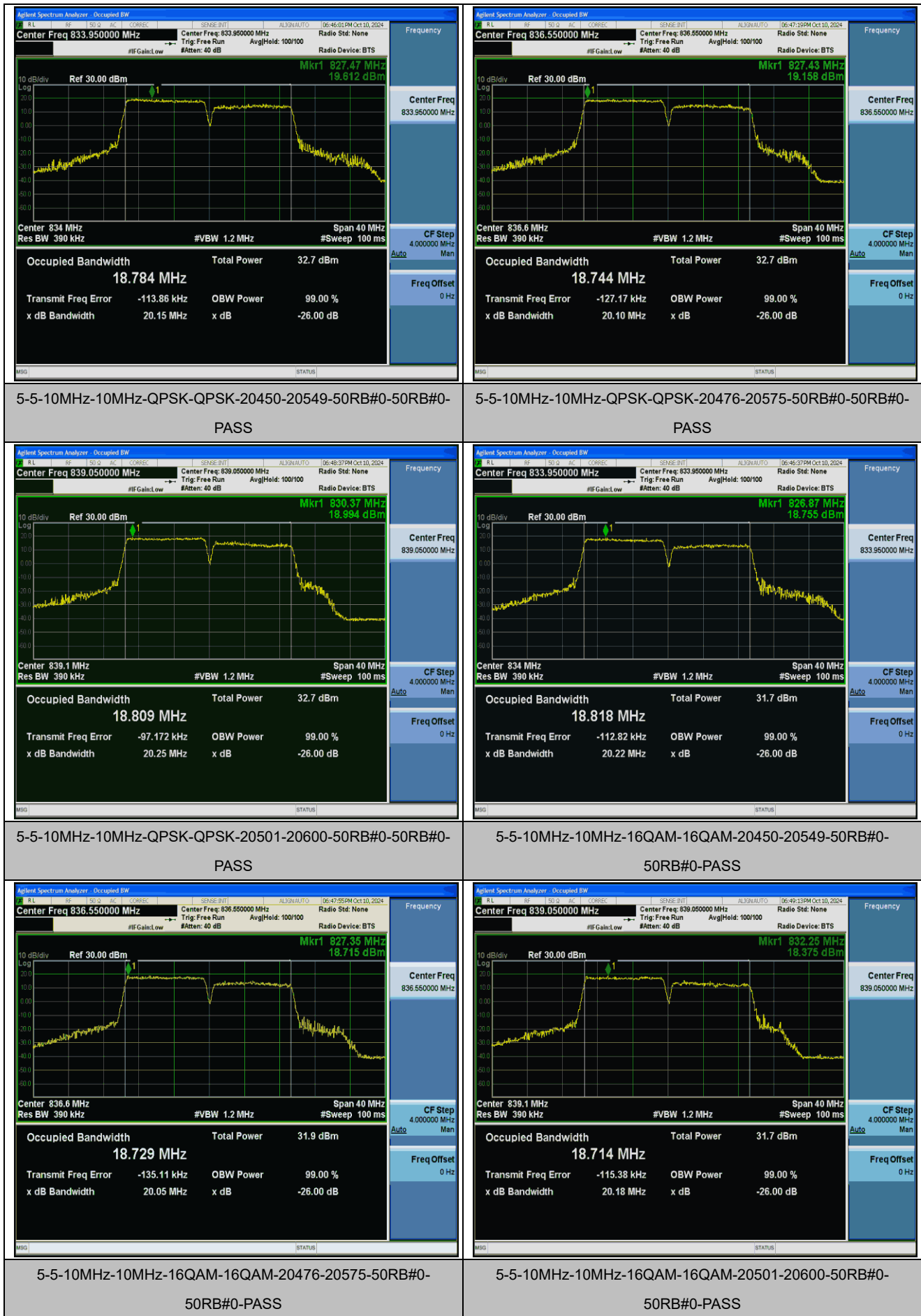
Test Graphs

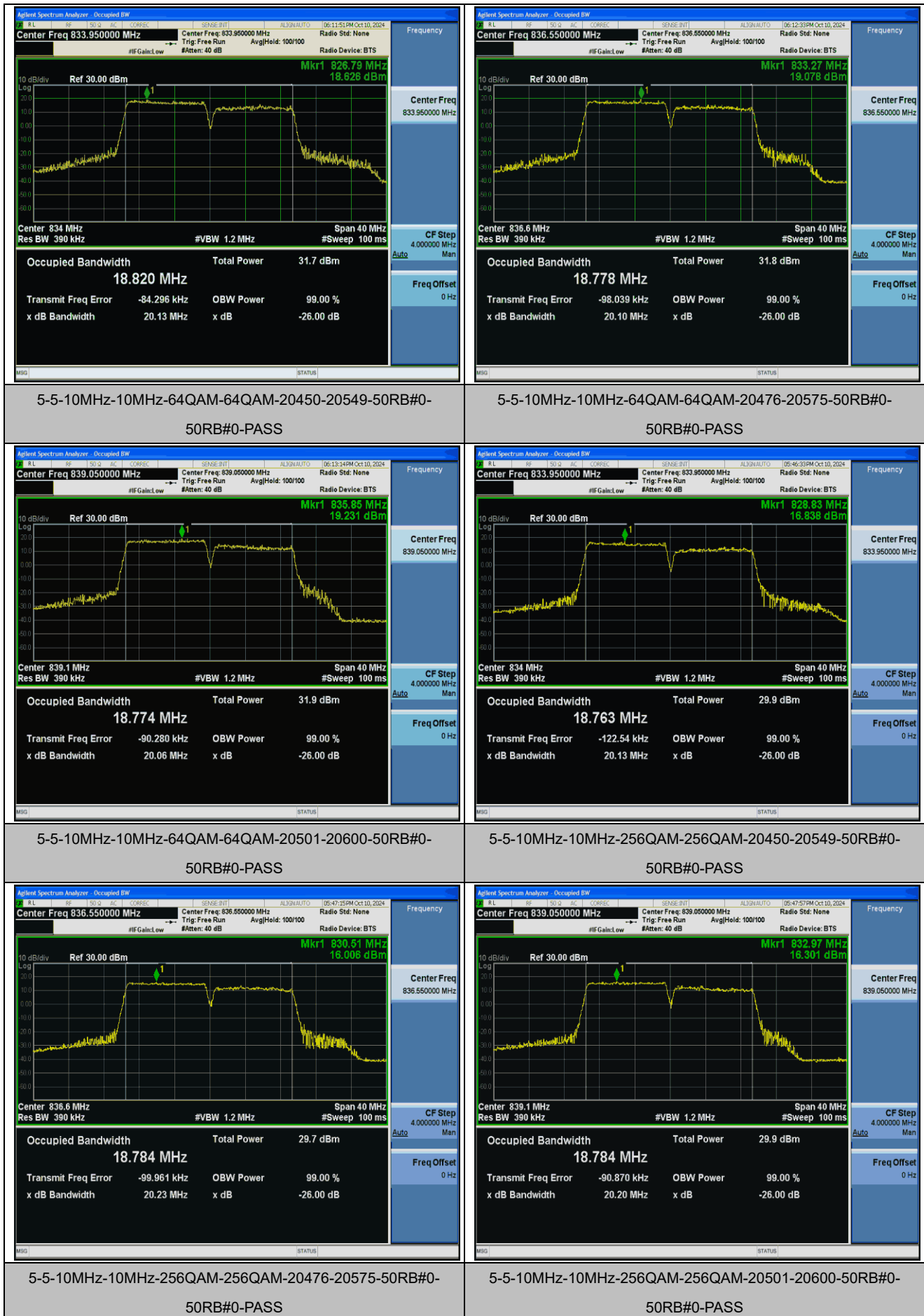






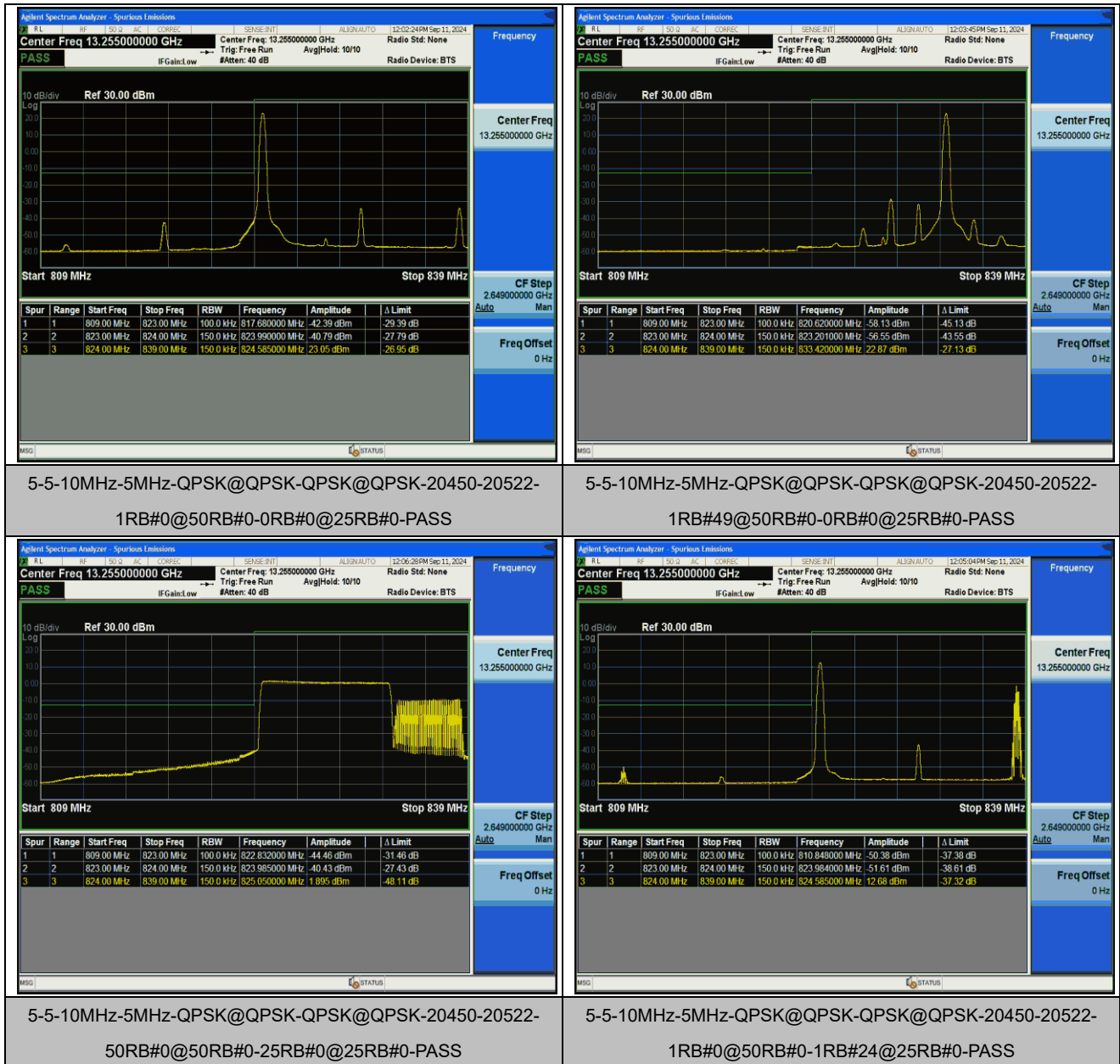


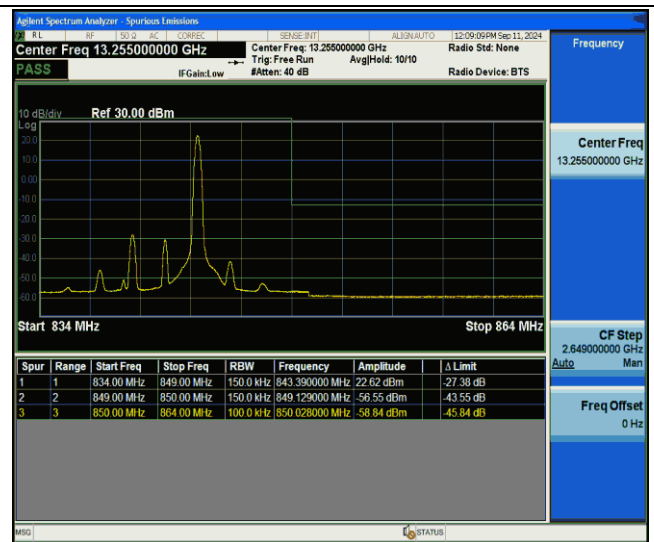
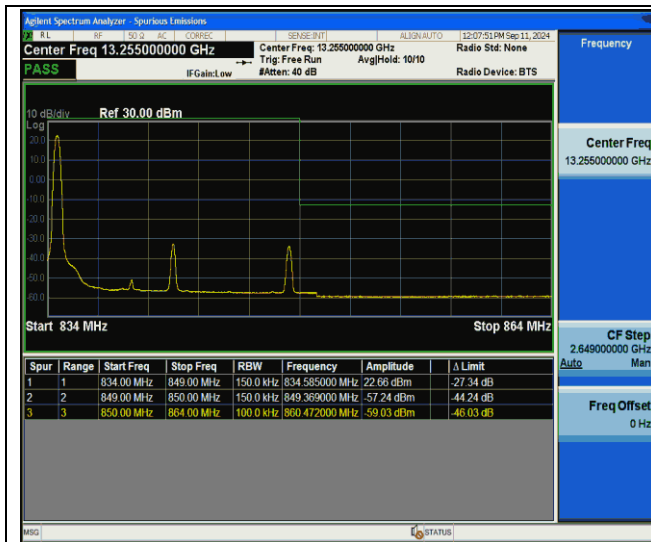




Band Edge

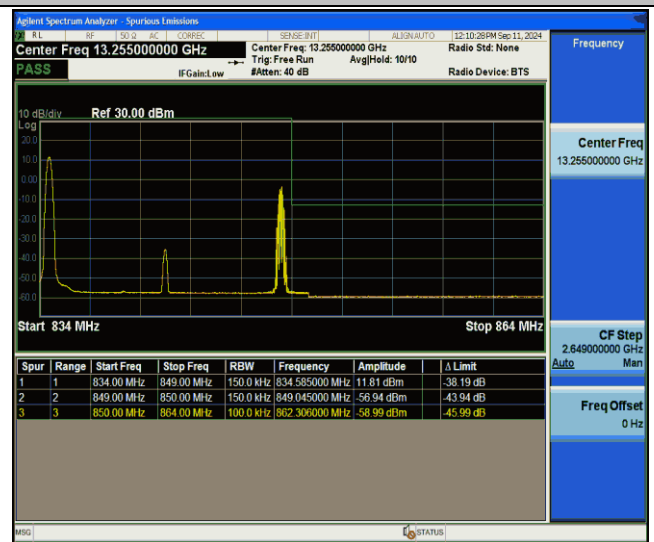
Test Graphs





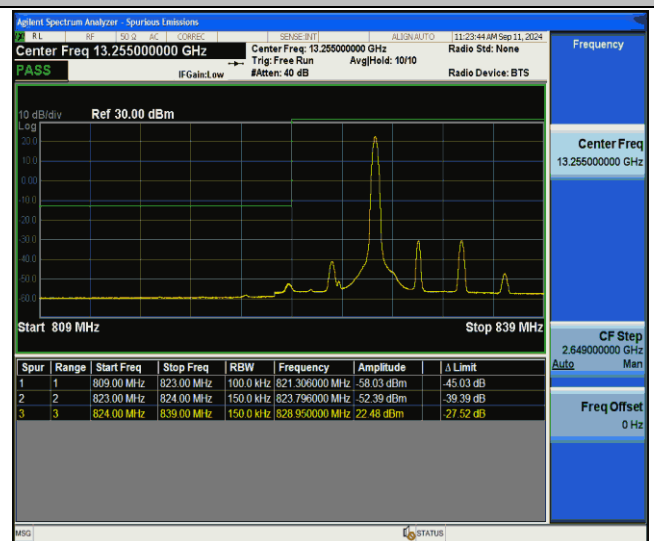
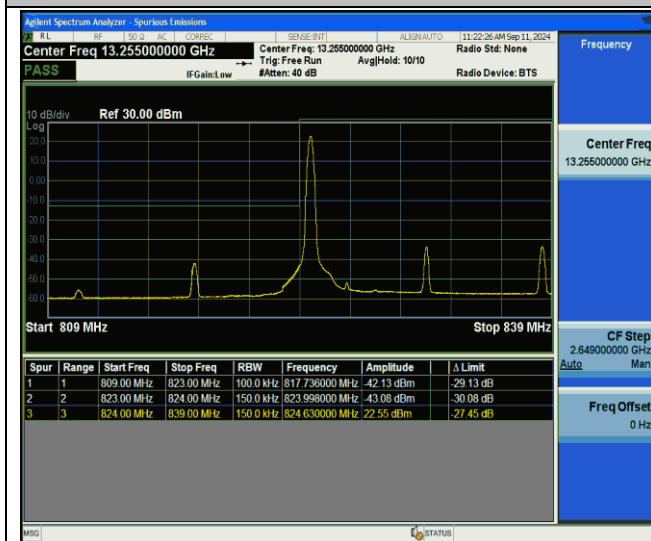
5-5-10MHz-5MHz-QPSK@QPSK-QPSK@QPSK-20550-20622-
1RB#0@50RB#0-0RB#0@25RB#0-PASS

5-5-10MHz-5MHz-QPSK@QPSK-QPSK@QPSK-20550-20622-
1RB#49@50RB#0-0RB#0@25RB#0-PASS



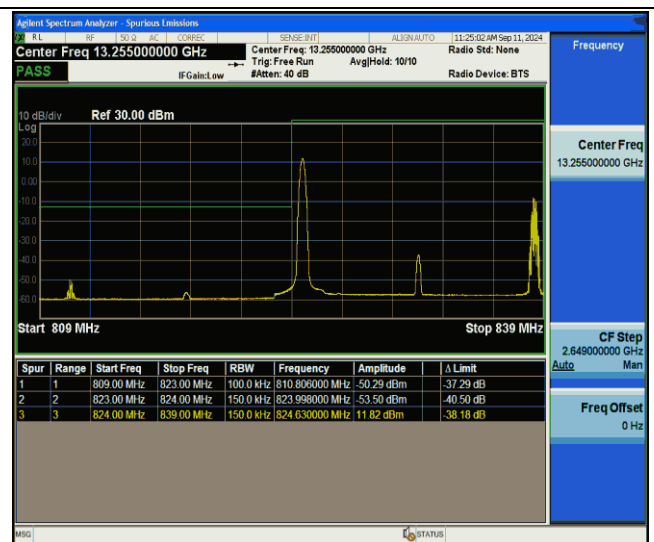
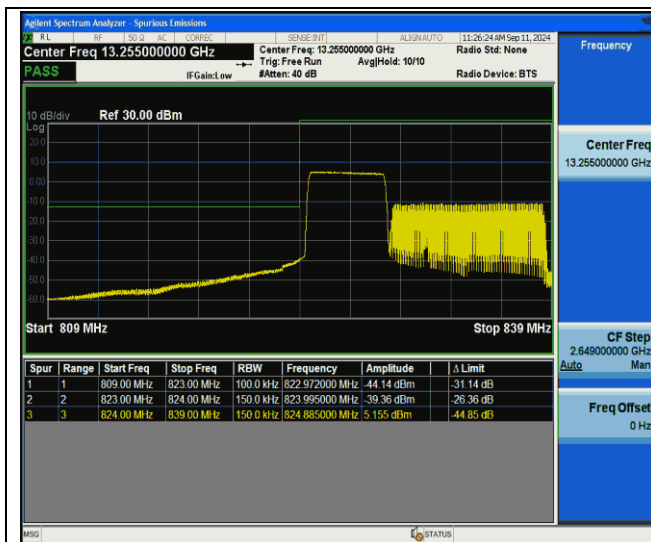
5-5-10MHz-5MHz-QPSK@QPSK-QPSK@QPSK-20550-20622-
50RB#0@50RB#0-25RB#0@25RB#0-PASS

5-5-10MHz-5MHz-QPSK@QPSK-QPSK@QPSK-20550-20622-
1RB#0@50RB#0-1RB#24@25RB#0-PASS



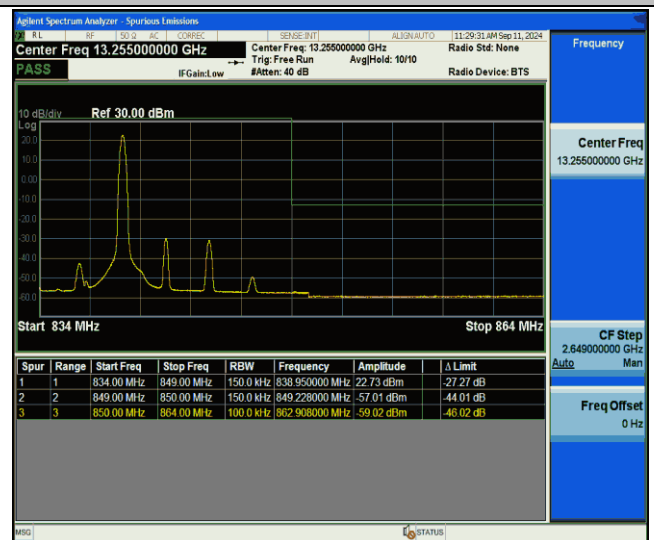
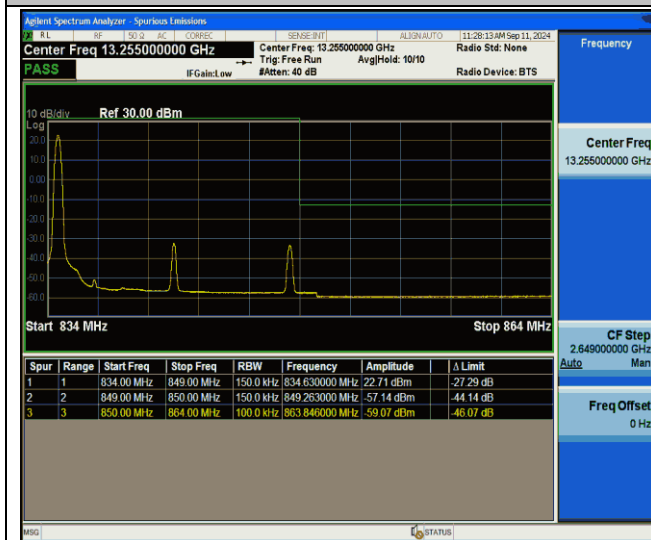
5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20428-20500-
1RB#0@25RB#0-0RB#0@50RB#0-PASS

5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20428-20500-
1RB#24@25RB#0-0RB#0@50RB#0-PASS



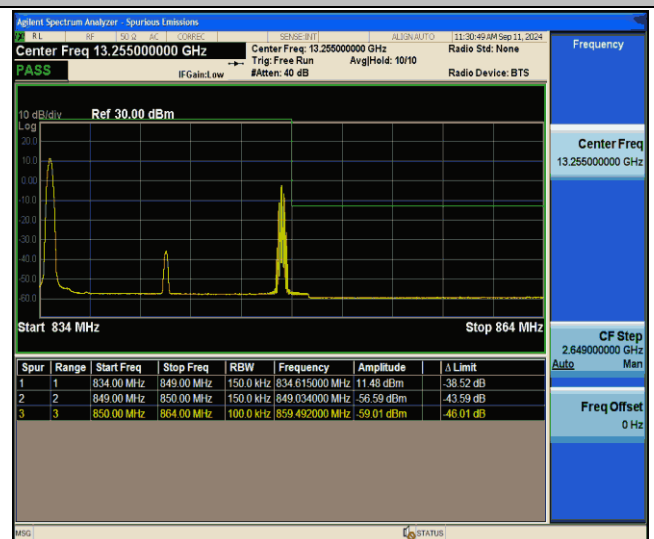
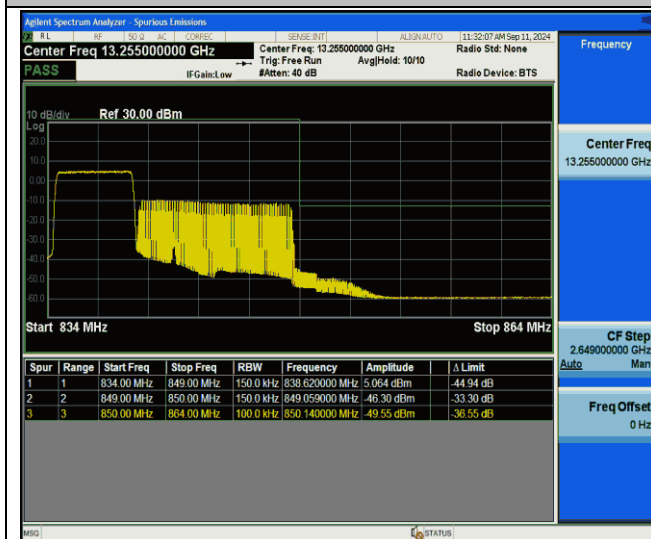
5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20428-20500-
25RB#0@25RB#0-50RB#0@50RB#0-PASS

5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20428-20500-
1RB#0@25RB#0-1RB#49@50RB#0-PASS



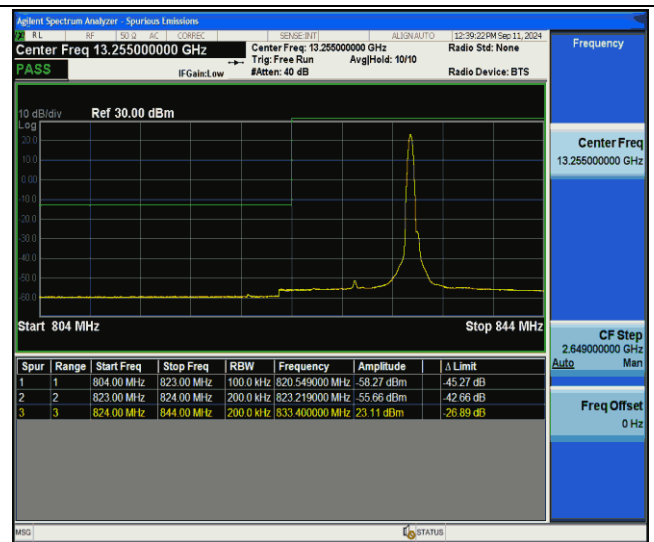
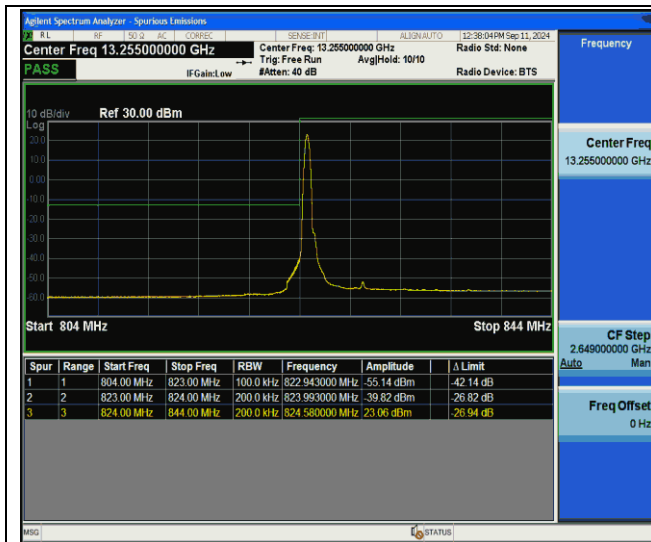
5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20528-20600-
1RB#0@25RB#0-0RB#0@50RB#0-PASS

5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20528-20600-
1RB#24@25RB#0-0RB#0@50RB#0-PASS



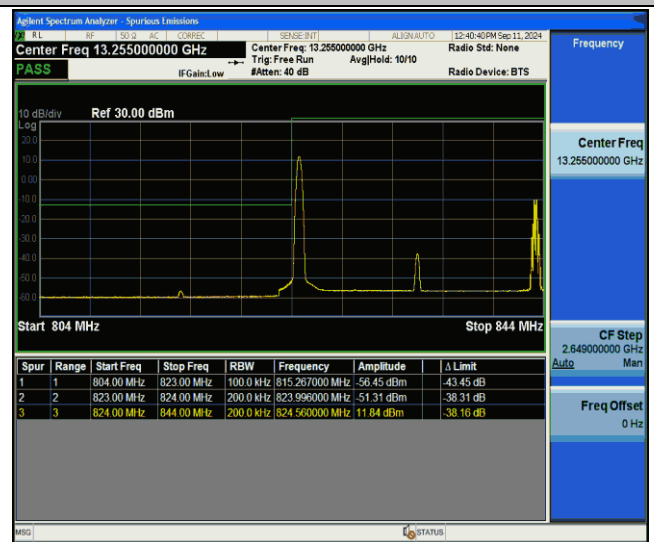
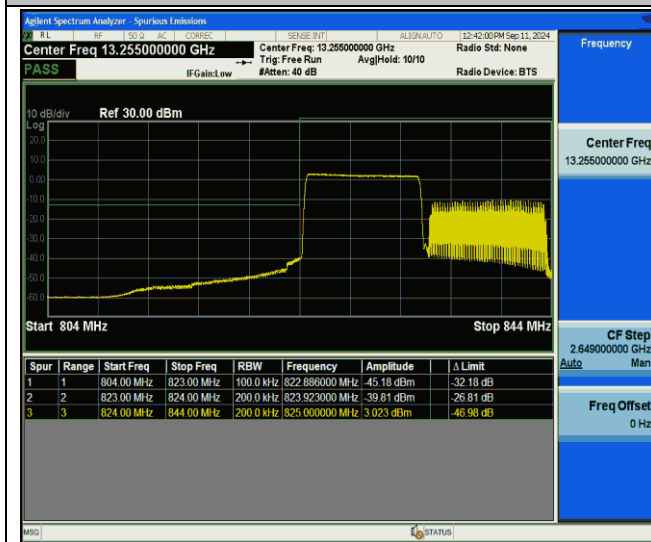
5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20528-20600-
25RB#0@25RB#0-50RB#0@50RB#0-PASS

5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20528-20600-
1RB#0@25RB#0-1RB#49@50RB#0-PASS



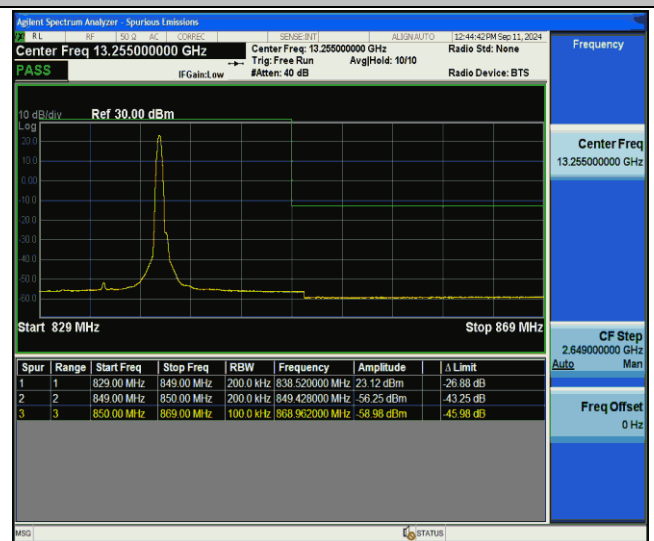
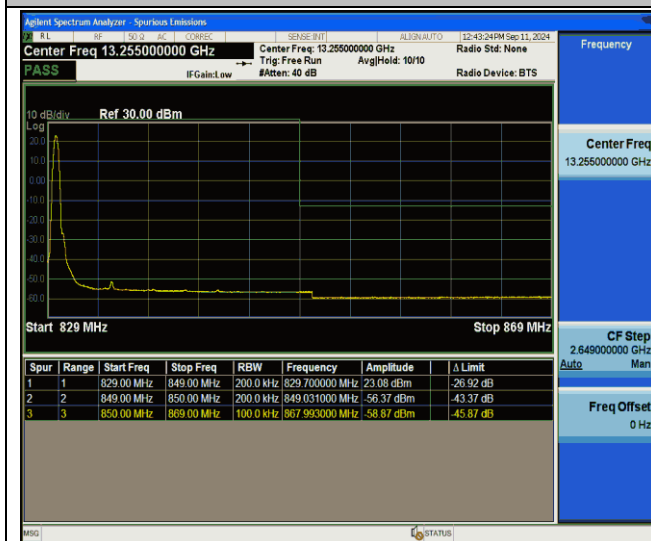
5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20450-20549-
1RB#0@50RB#0-0RB#0@50RB#0-PASS

5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20450-20549-
1RB#49@50RB#0-0RB#0@50RB#0-PASS



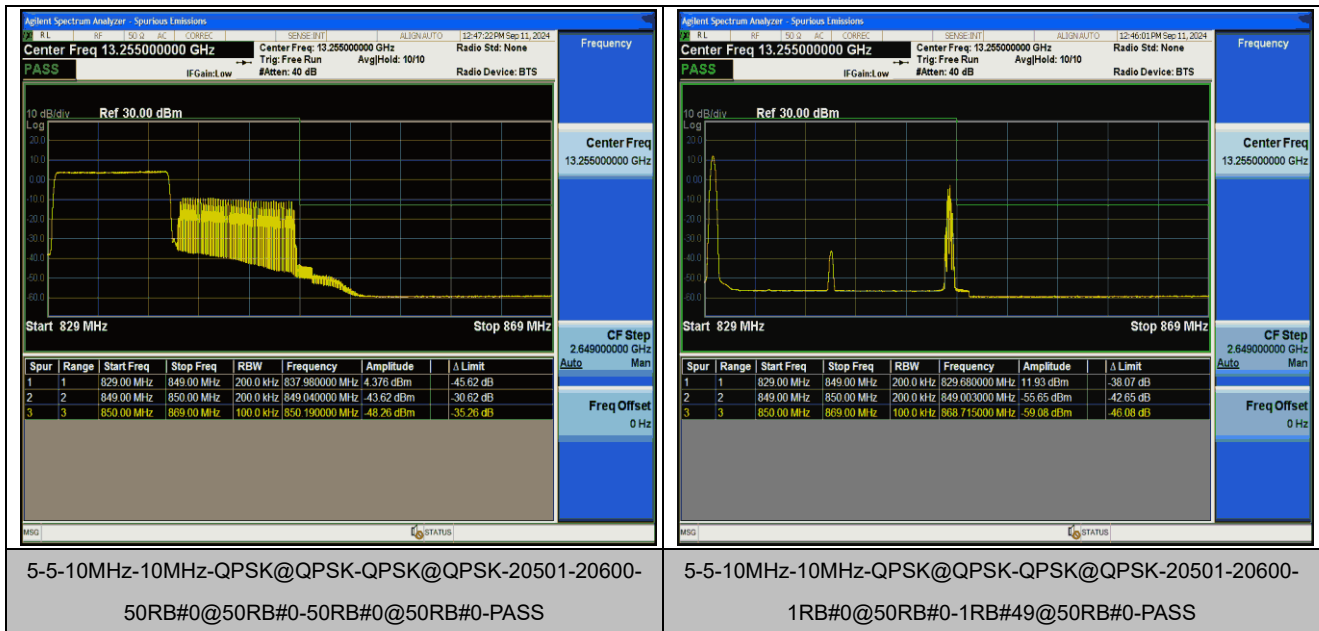
5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20450-20549-
50RB#0@50RB#0-50RB#0@50RB#0-PASS

5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20450-20549-
1RB#0@50RB#0-1RB#49@50RB#0-PASS



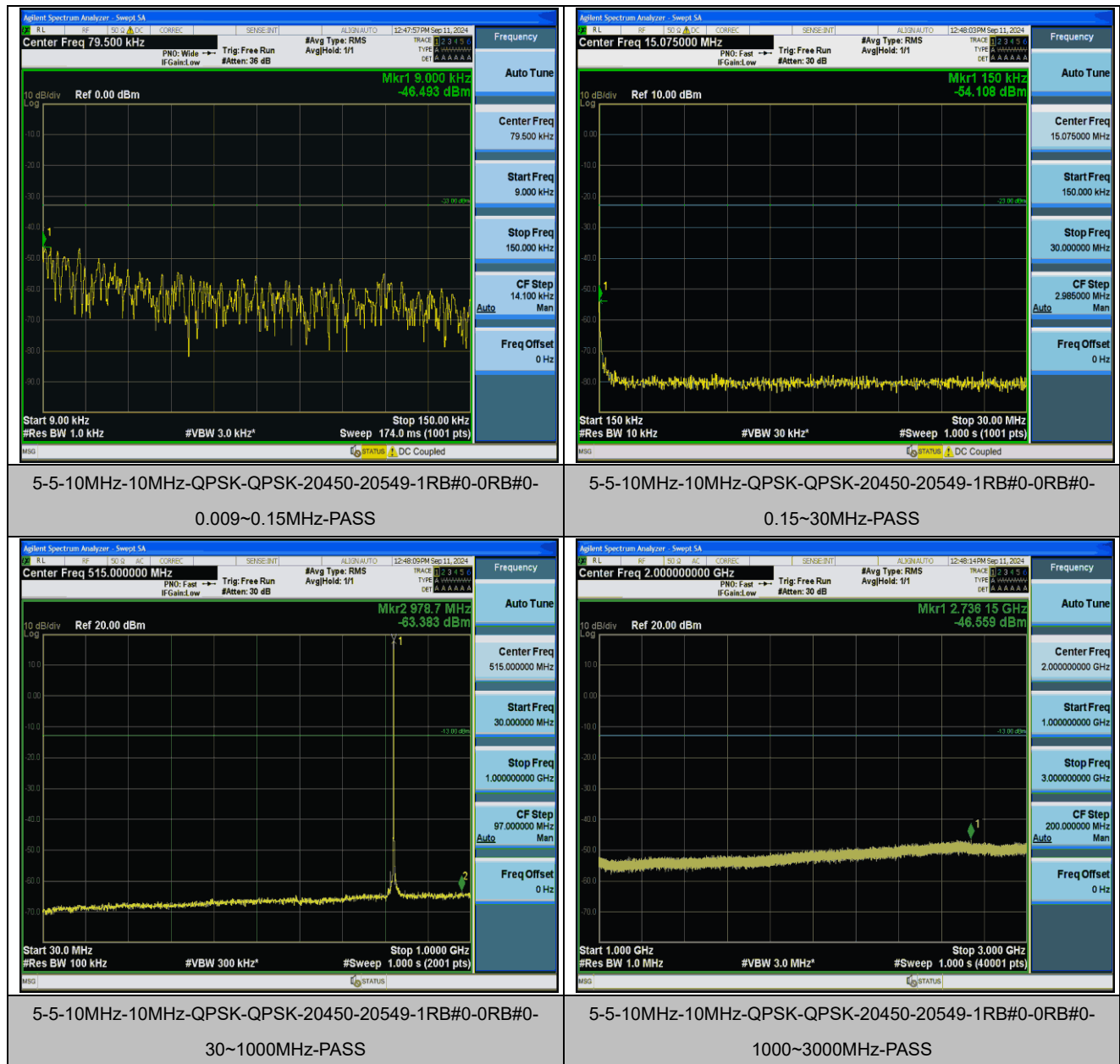
5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20501-20600-
1RB#0@50RB#0-0RB#0@50RB#0-PASS

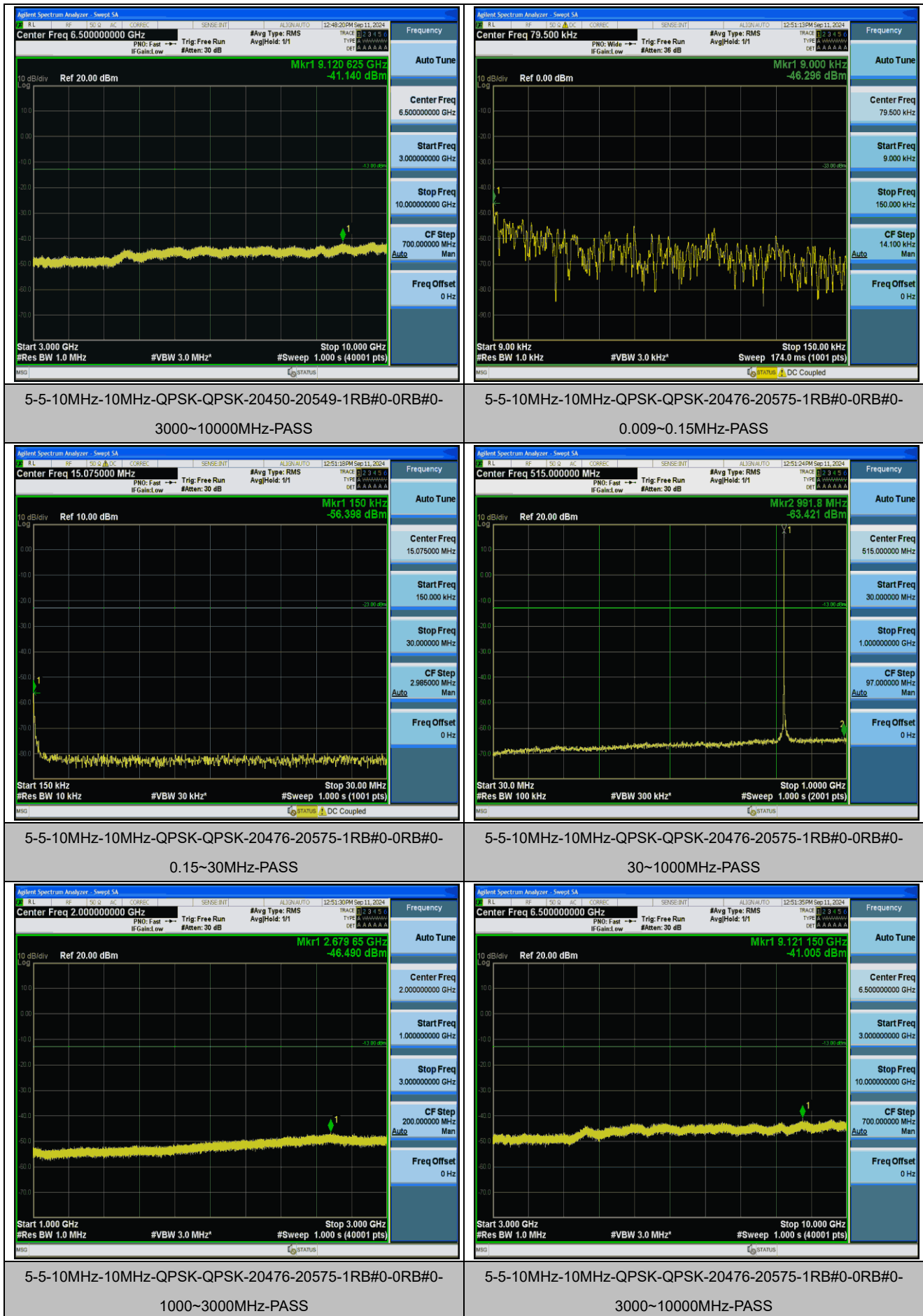
5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20501-20600-
1RB#49@50RB#0-0RB#0@50RB#0-PASS

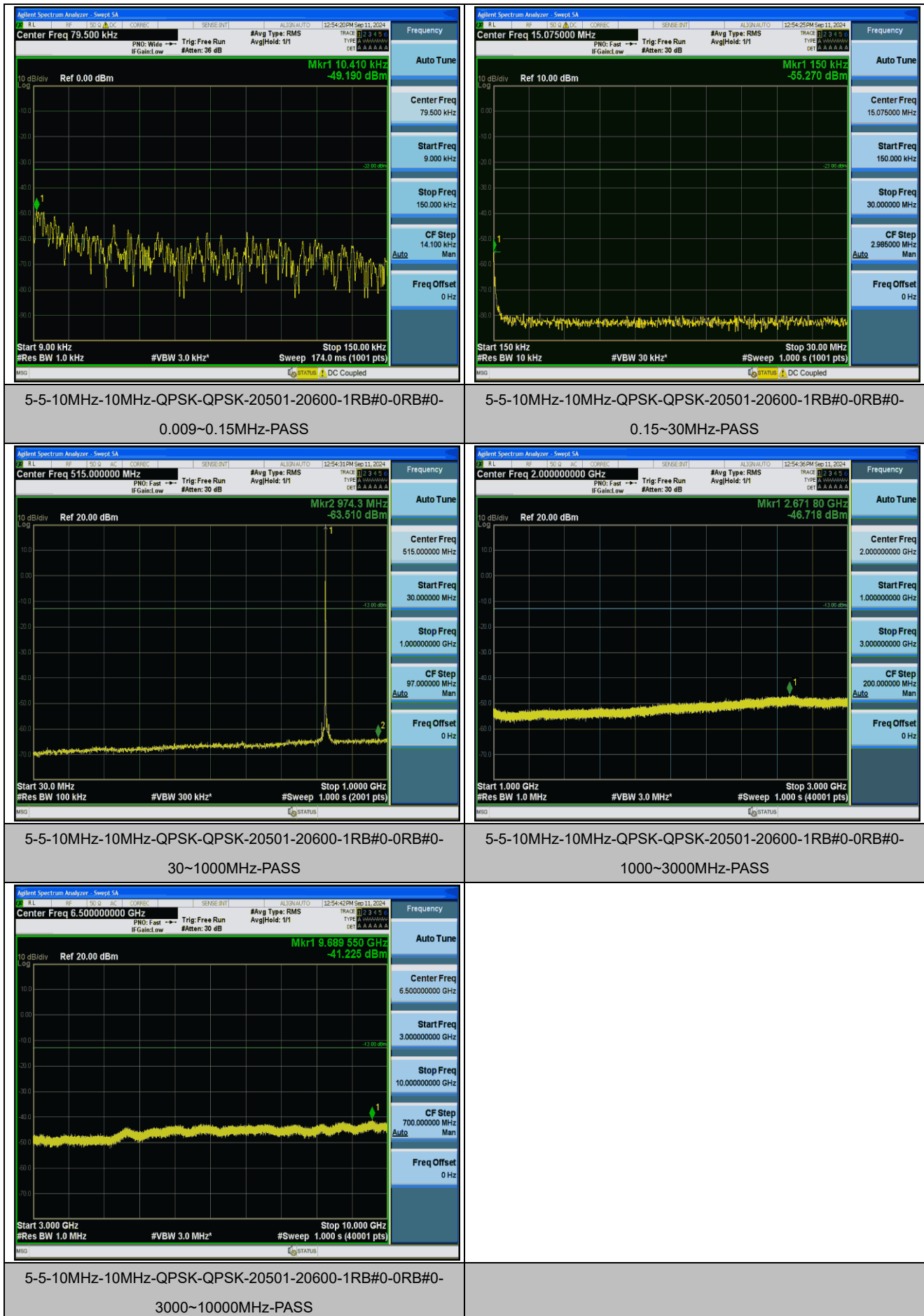


Conducted Spurious Emission

Test Graphs







Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VN	NT	0.71	0.000854	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VL	NT	0.04	0.000048	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VH	NT	0.64	0.000770	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	-30	0.08	0.000096	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	-20	0.41	0.000493	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	-10	0.21	0.000253	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	0	0.37	0.000445	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	10	0.73	0.000878	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	20	0.08	0.000096	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	30	0.80	0.000962	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	40	0.15	0.000180	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	50	0.70	0.000842	±2.5	PASS

~The End~