

FCC Appendix RF Test Data for LTE Band 12

FCC ID : 2BVLN-QS-1208

Company : Wuhan Qinggou Intelligent Technology Co., Ltd.

EUT : Qingo AI Vending

Model Number : QS-1208CRSW(G)-US

Report No. : CTA26071002303

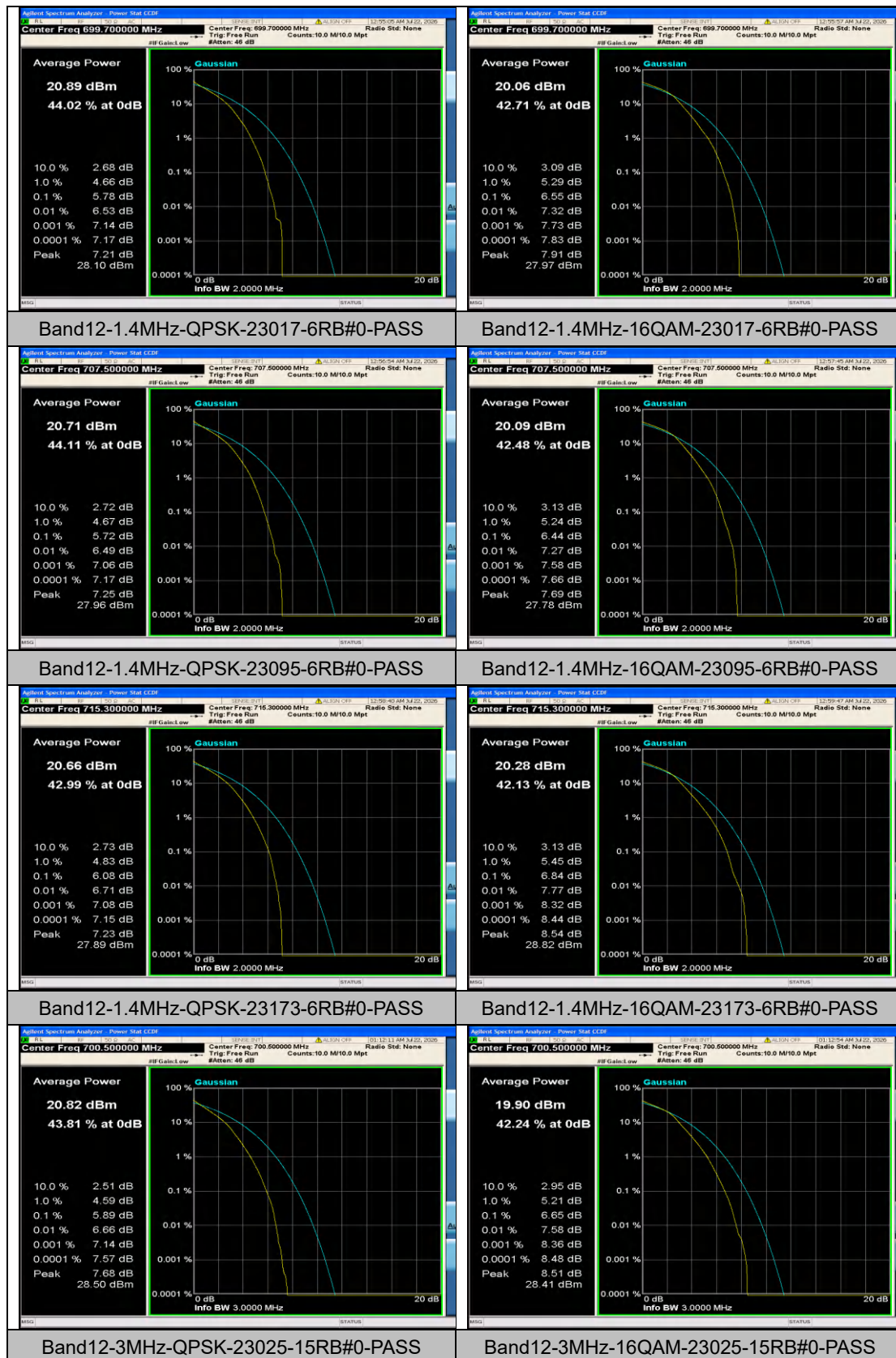
Reviewed By : Eric Wang

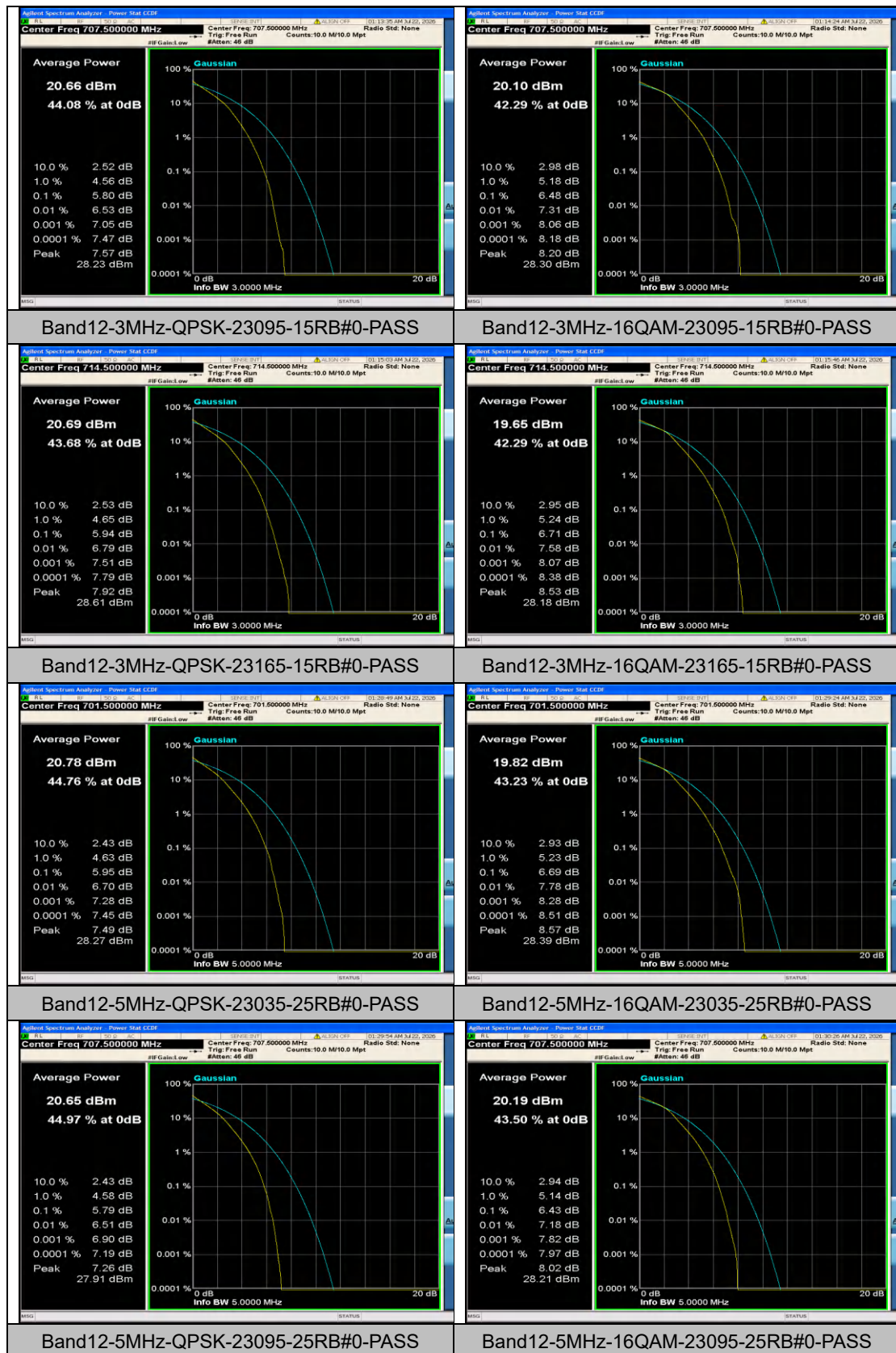
Appendix B: Peak-to-Average Ratio(CCDF)

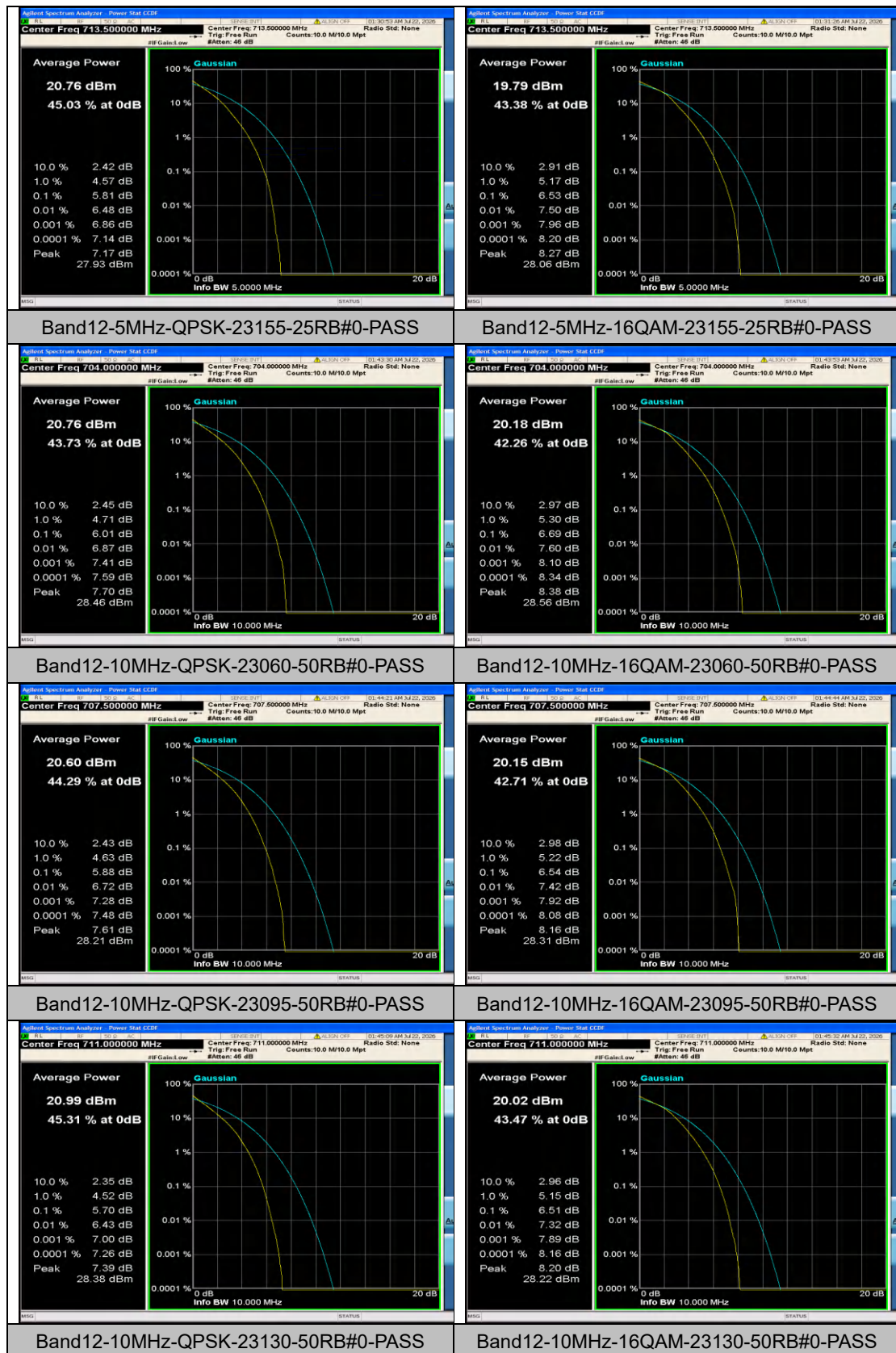
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.78	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.55	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.72	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.44	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.08	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.84	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.89	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.65	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.80	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.48	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.94	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.71	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.95	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.69	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.79	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.43	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.81	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.53	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	6.01	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.69	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.88	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.54	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.70	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.51	13	PASS

Test Graphs





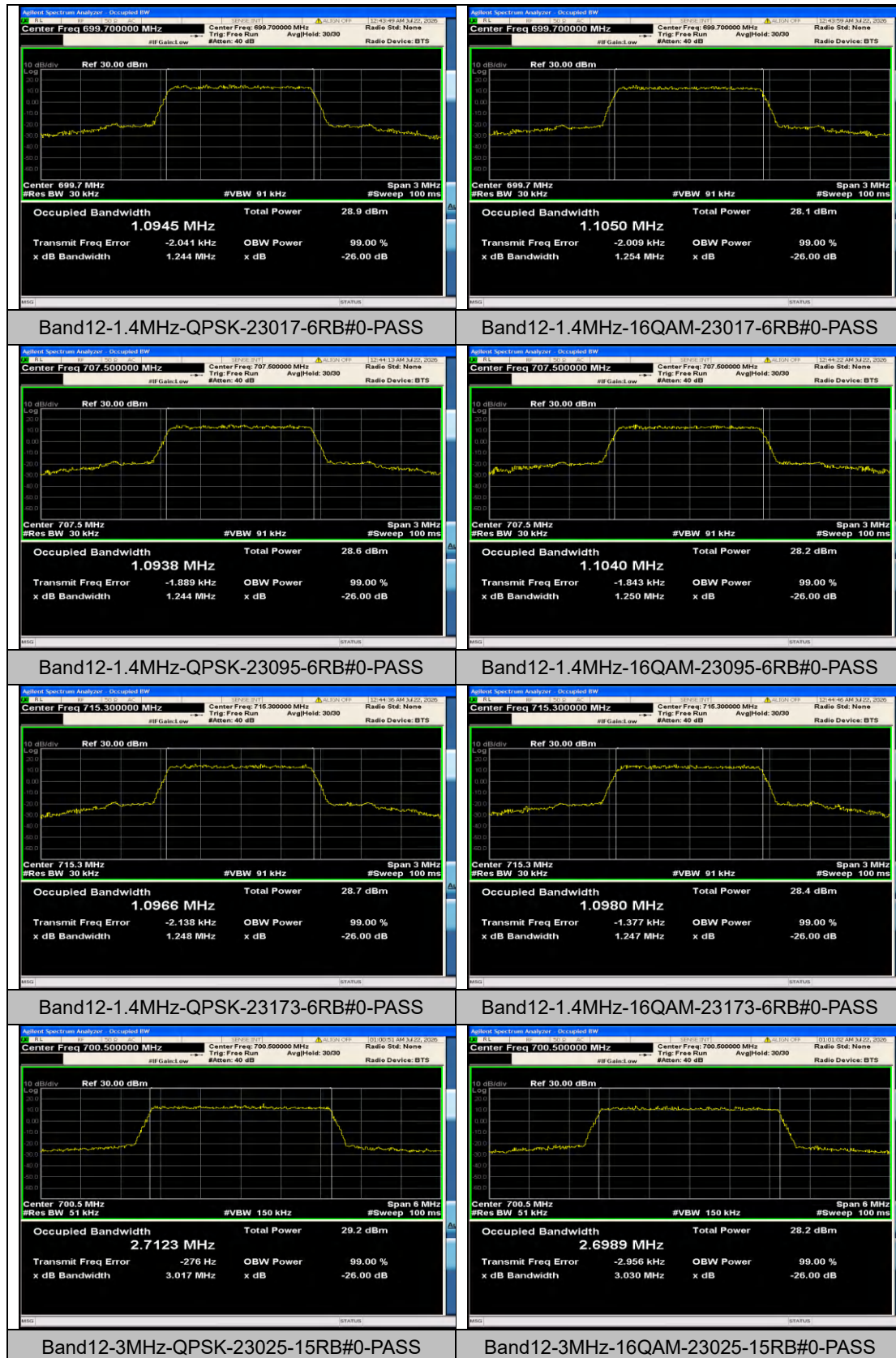


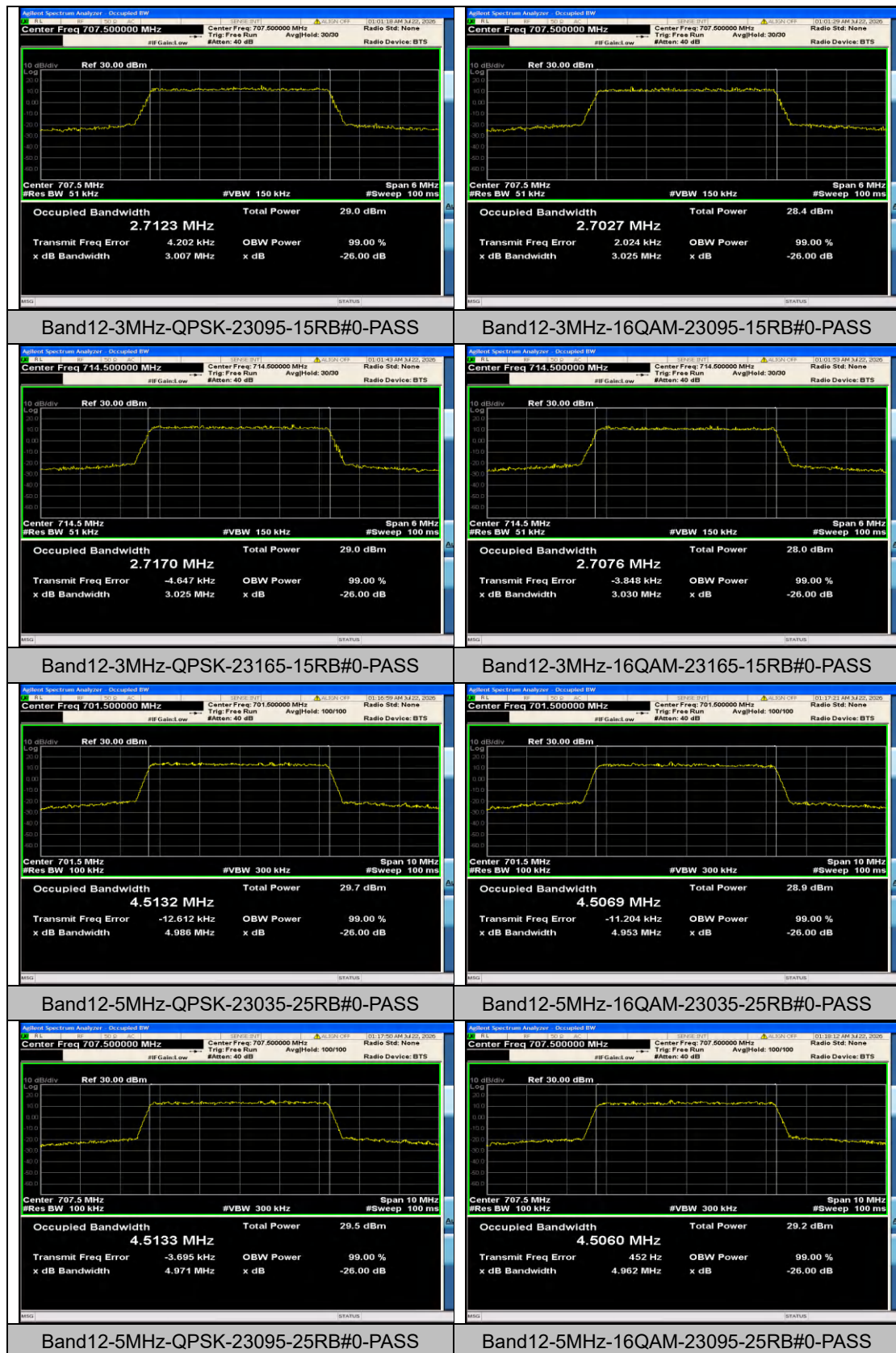
Appendix C: 26dB Bandwidth and Occupied Bandwidth

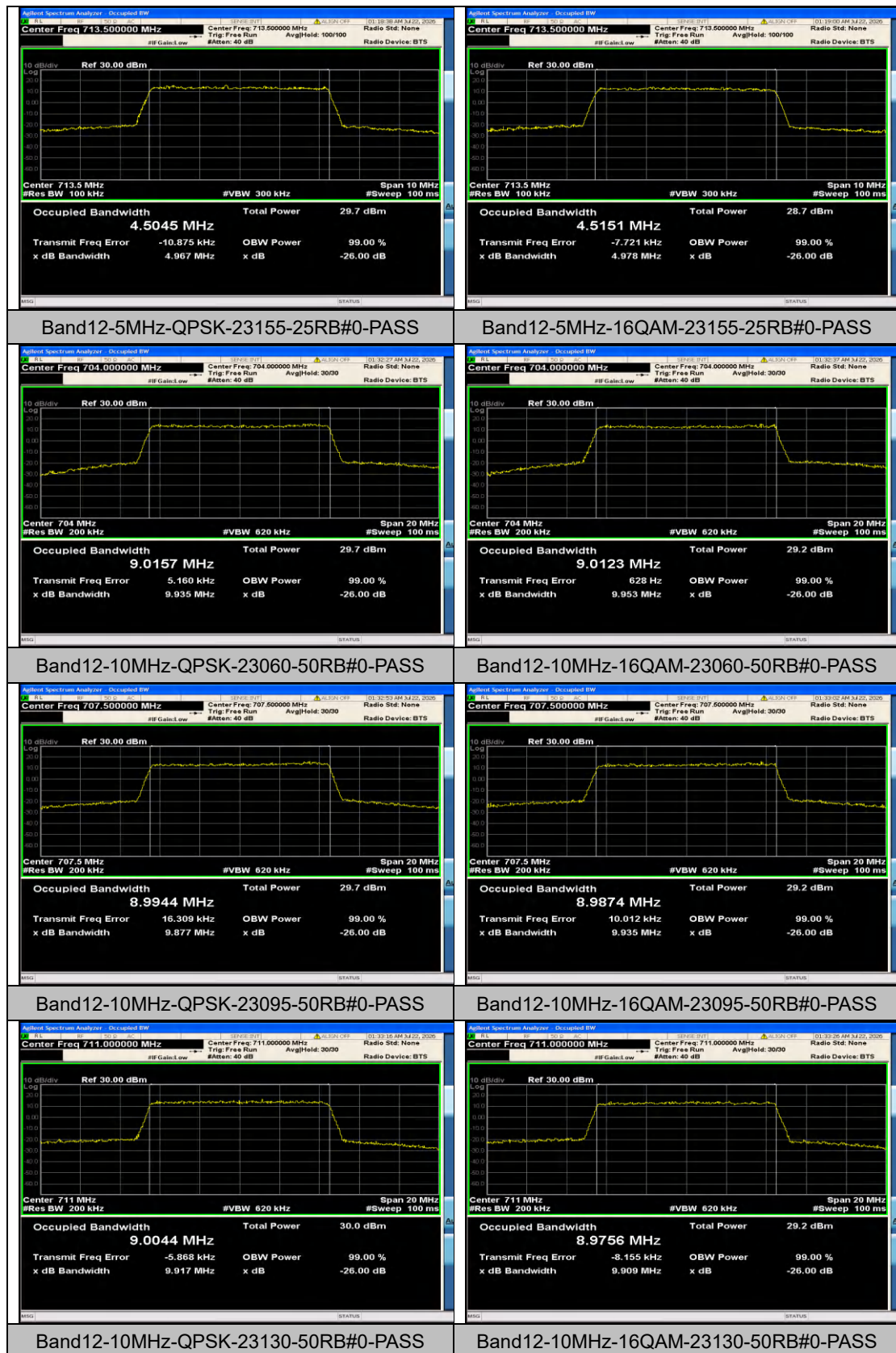
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0945	1.244	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1050	1.254	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0938	1.244	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1040	1.250	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0966	1.248	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0980	1.247	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7123	3.017	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6989	3.030	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7123	3.007	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7027	3.025	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7170	3.025	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7076	3.030	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5132	4.986	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5069	4.953	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5133	4.971	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5060	4.962	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5045	4.967	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5151	4.978	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0157	9.935	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0123	9.953	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9944	9.877	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9874	9.935	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0044	9.917	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9756	9.909	PASS

Test Graphs





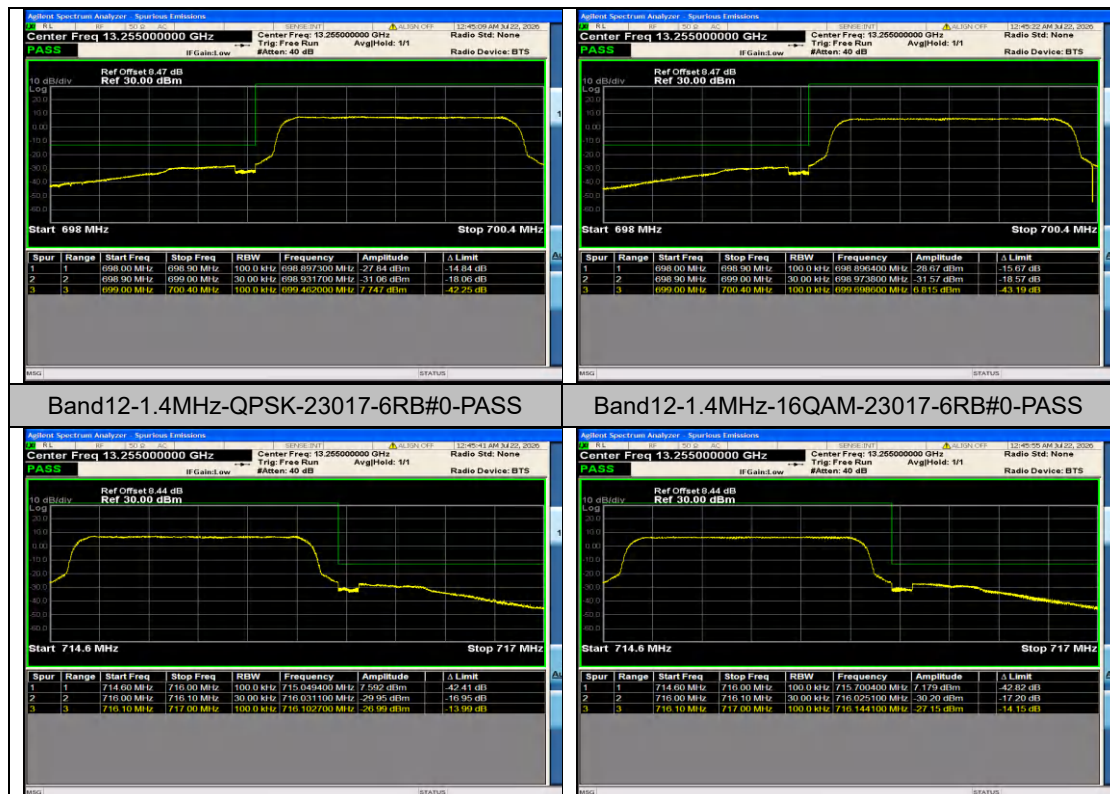


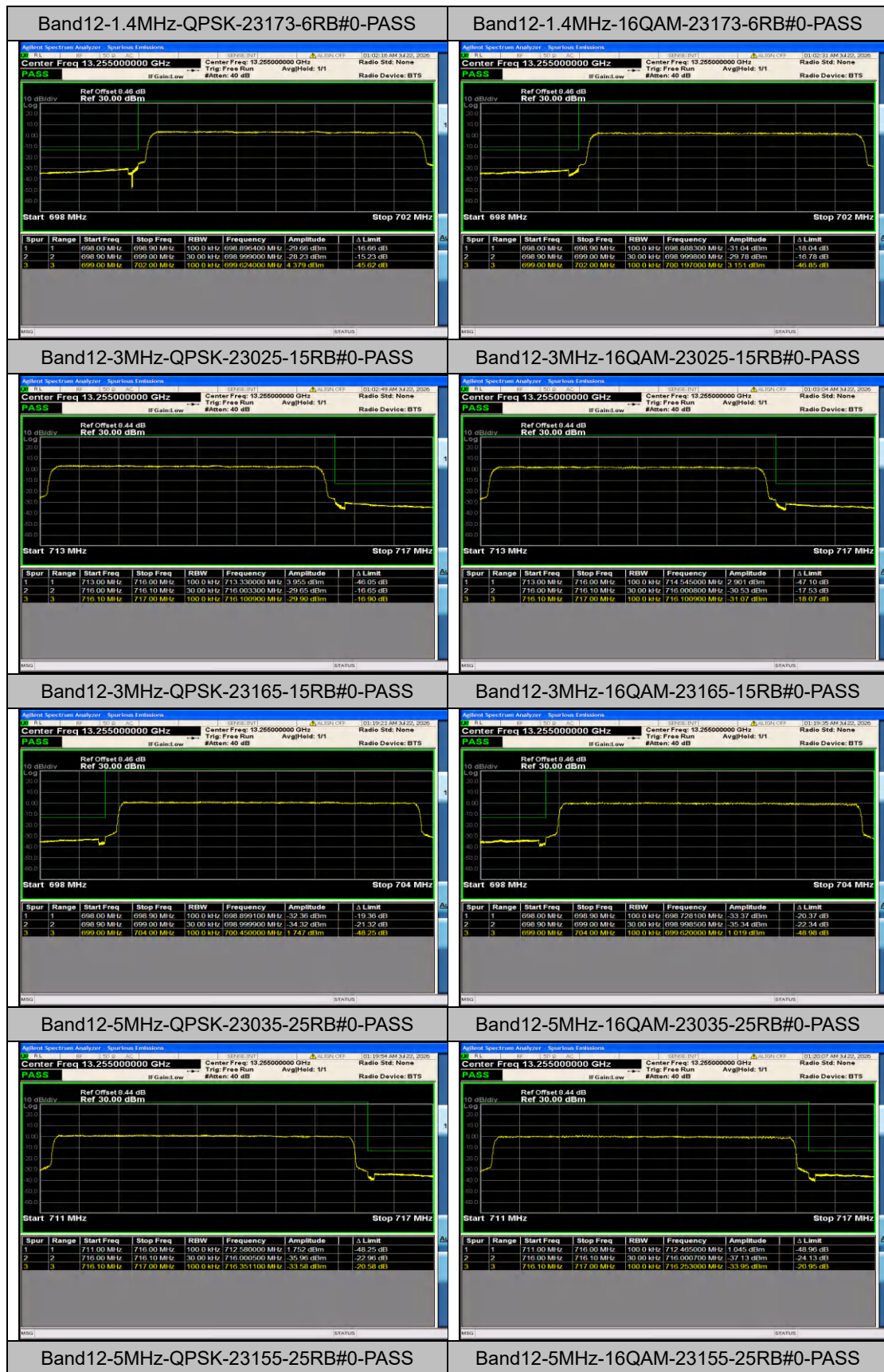
Appendix D: Band Edge

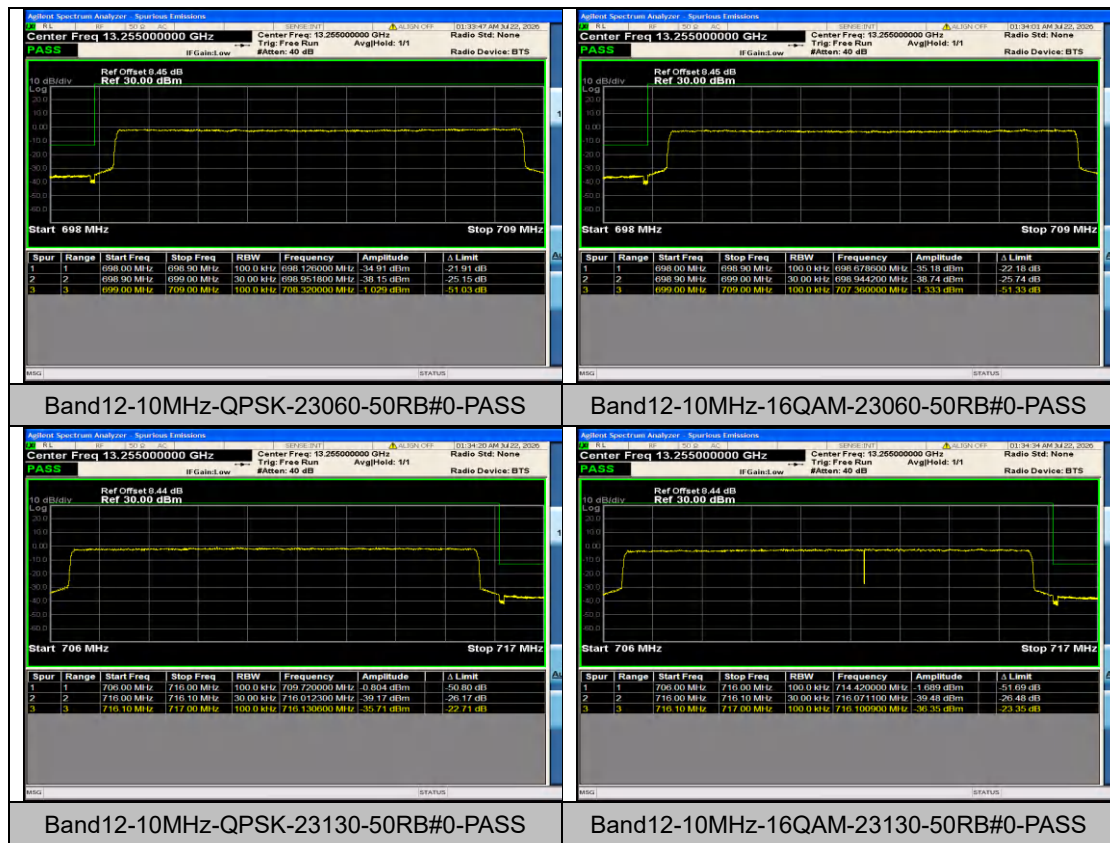
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-27.84	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-28.67	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.99	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-27.15	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.23	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.78	PASS
Band12	3MHz	QPSK	23165	15RB#0	-29.65	PASS
Band12	3MHz	16QAM	23165	15RB#0	-30.53	PASS
Band12	5MHz	QPSK	23035	25RB#0	-32.36	PASS
Band12	5MHz	16QAM	23035	25RB#0	-33.37	PASS
Band12	5MHz	QPSK	23155	25RB#0	-33.58	PASS
Band12	5MHz	16QAM	23155	25RB#0	-33.95	PASS
Band12	10MHz	QPSK	23060	50RB#0	-34.91	PASS
Band12	10MHz	16QAM	23060	50RB#0	-35.18	PASS
Band12	10MHz	QPSK	23130	50RB#0	-35.71	PASS
Band12	10MHz	16QAM	23130	50RB#0	-36.35	PASS

Test Graphs







Appendix E: Conducted Spurious Emission

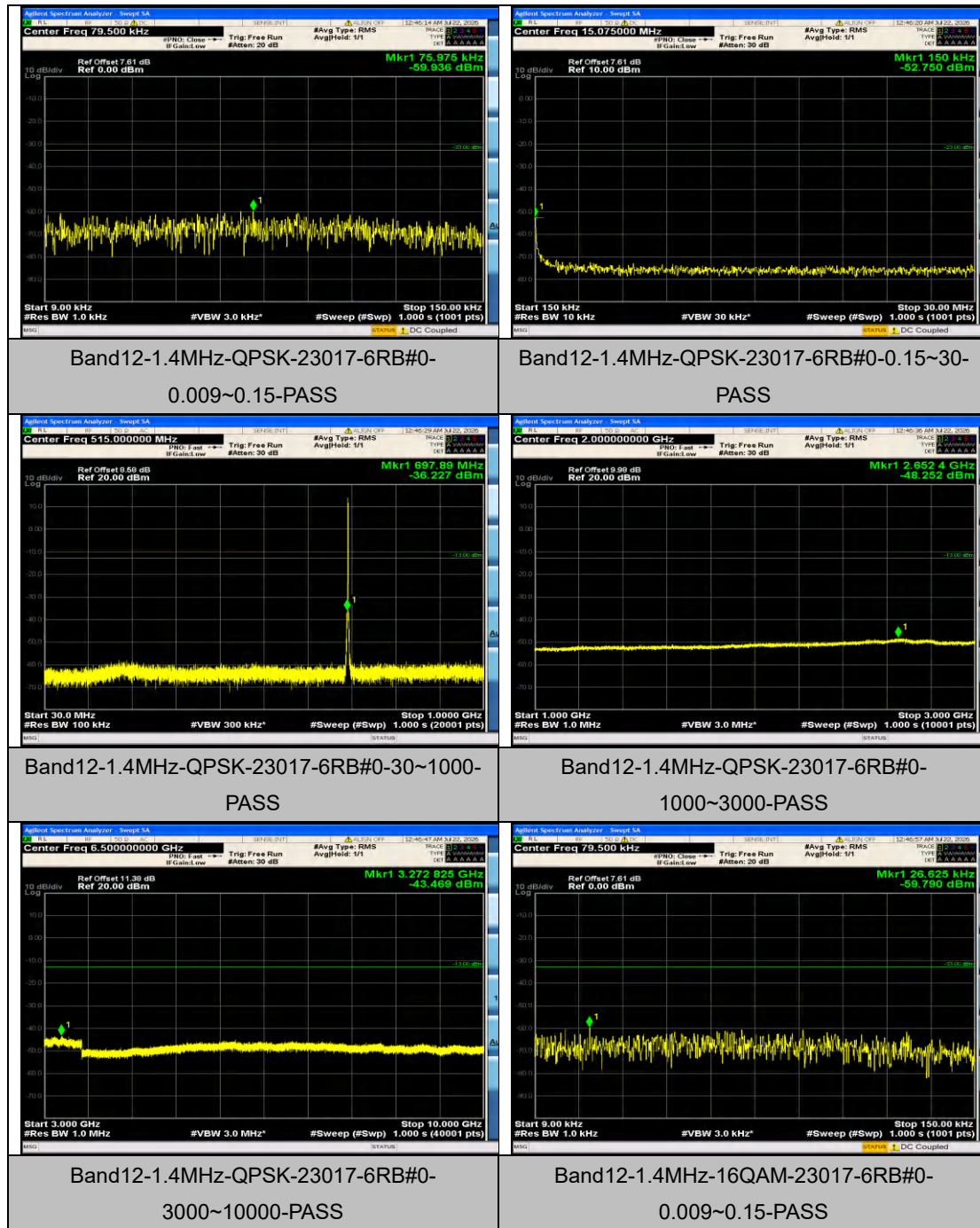
Test Result

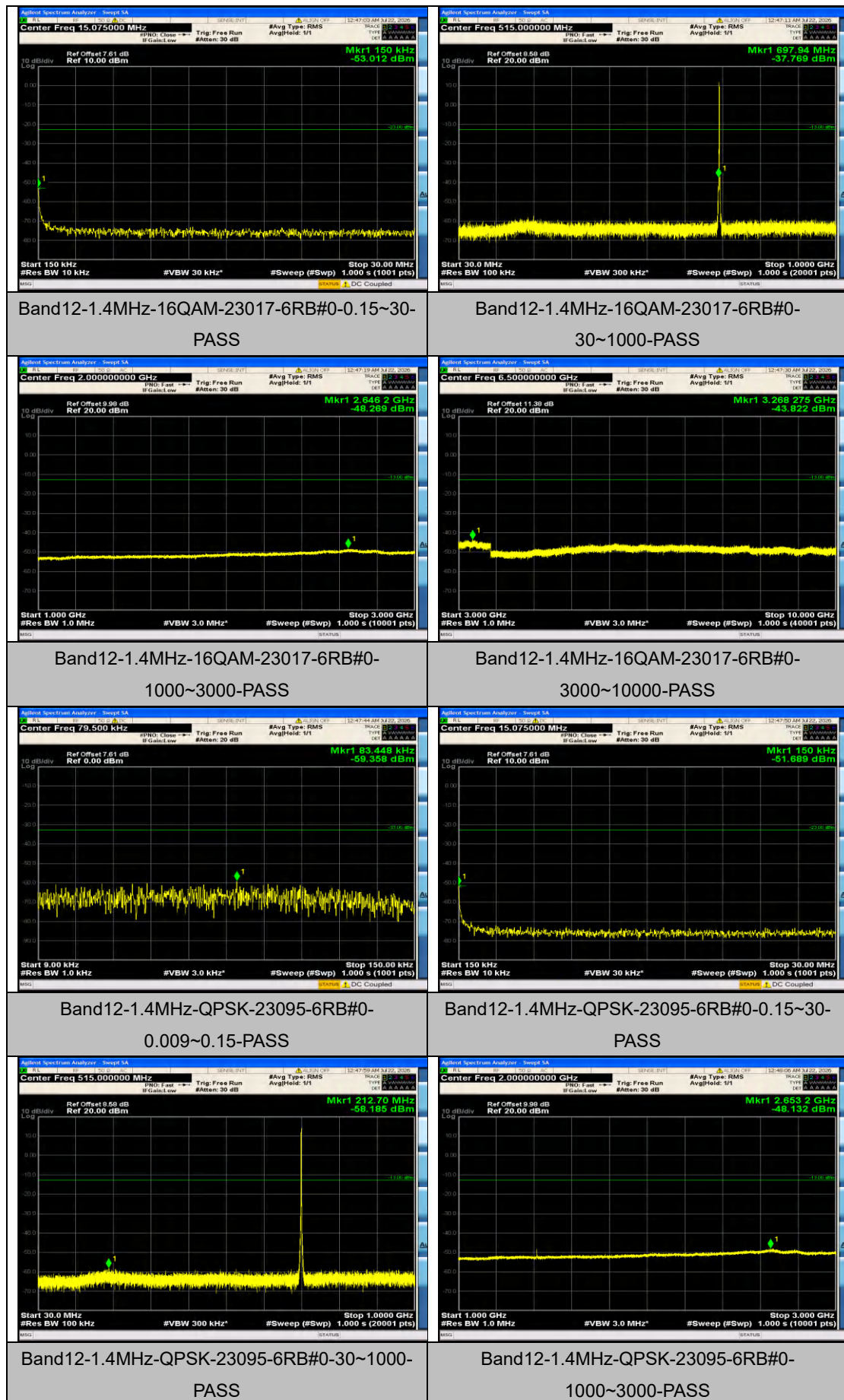
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	0.009~0.15	-59.94	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	0.15~30	-52.75	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	30~1000	-36.23	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1000~3000	-48.25	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3000~10000	-43.47	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.009~0.15	-59.79	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.15~30	-53.01	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	30~1000	-37.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1000~3000	-48.27	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	3000~10000	-43.82	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.009~0.15	-59.36	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.15~30	-51.69	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	30~1000	-58.19	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1000~3000	-48.13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	3000~10000	-43.61	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.009~0.15	-59.68	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.15~30	-51.17	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	30~1000	-57.38	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1000~3000	-48.03	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	3000~10000	-43.15	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.009~0.15	-60.54	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.15~30	-50.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	30~1000	-38.15	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1000~3000	-48.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	3000~10000	-43.39	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.009~0.15	-59.82	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.15~30	-50.83	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	30~1000	-38.25	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1000~3000	-48.17	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	3000~10000	-43.90	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.009~0.15	-59.36	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.15~30	-51.82	PASS
Band12	3MHz	QPSK	23025	15RB#0	30~1000	-27.99	PASS
Band12	3MHz	QPSK	23025	15RB#0	1000~3000	-44.13	PASS
Band12	3MHz	QPSK	23025	15RB#0	3000~10000	-43.51	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.009~0.15	-59.76	PASS

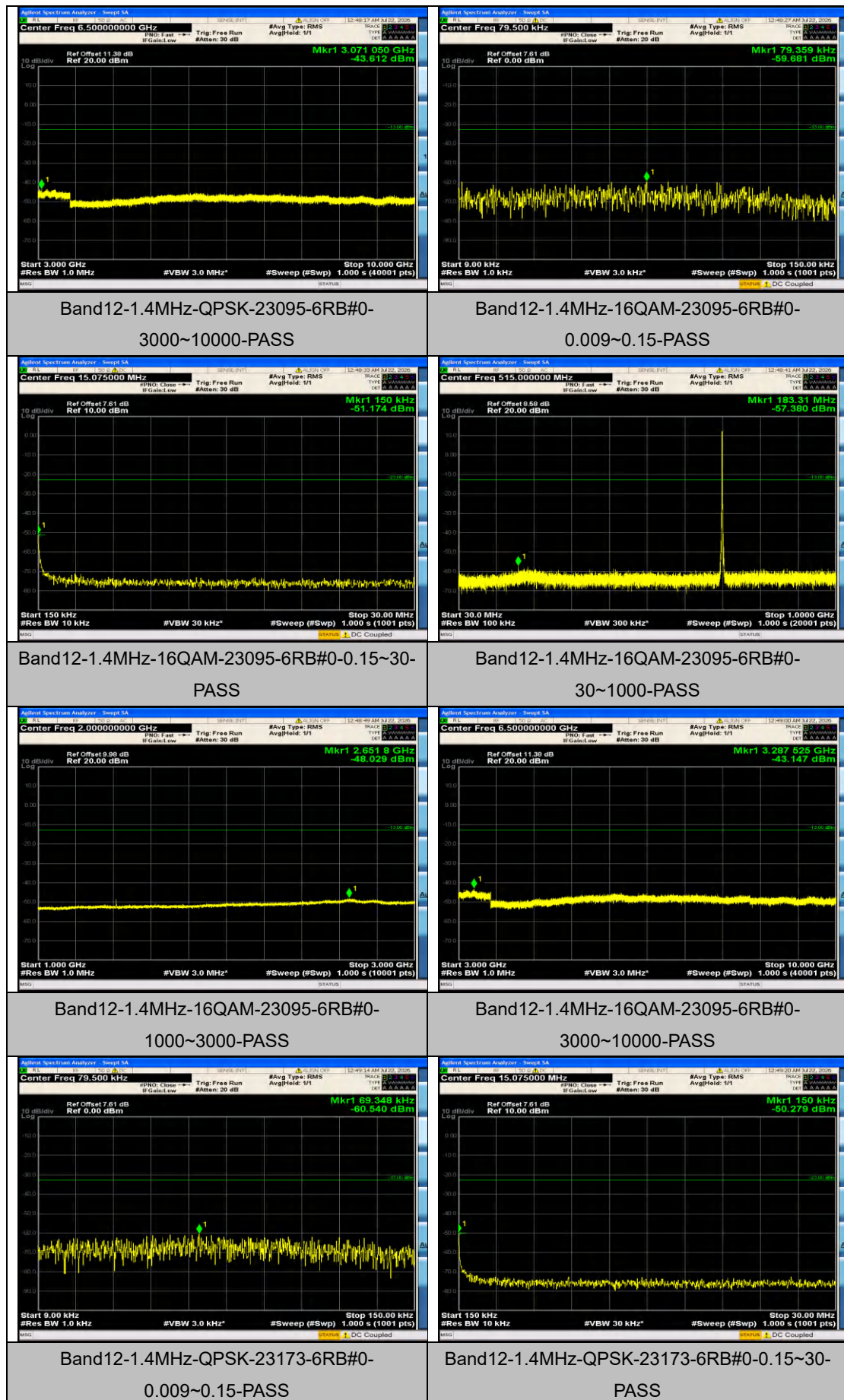
Band12	3MHz	16QAM	23025	15RB#0	0.15~30	-51.18	PASS
Band12	3MHz	16QAM	23025	15RB#0	30~1000	-29.93	PASS
Band12	3MHz	16QAM	23025	15RB#0	1000~3000	-48.36	PASS
Band12	3MHz	16QAM	23025	15RB#0	3000~10000	-43.42	PASS
Band12	3MHz	QPSK	23095	15RB#0	0.009~0.15	-58.42	PASS
Band12	3MHz	QPSK	23095	15RB#0	0.15~30	-50.53	PASS
Band12	3MHz	QPSK	23095	15RB#0	30~1000	-50.60	PASS
Band12	3MHz	QPSK	23095	15RB#0	1000~3000	-48.11	PASS
Band12	3MHz	QPSK	23095	15RB#0	3000~10000	-43.27	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.009~0.15	-59.66	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.15~30	-51.31	PASS
Band12	3MHz	16QAM	23095	15RB#0	30~1000	-52.93	PASS
Band12	3MHz	16QAM	23095	15RB#0	1000~3000	-48.36	PASS
Band12	3MHz	16QAM	23095	15RB#0	3000~10000	-43.94	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.009~0.15	-59.96	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.15~30	-50.82	PASS
Band12	3MHz	QPSK	23165	15RB#0	30~1000	-29.75	PASS
Band12	3MHz	QPSK	23165	15RB#0	1000~3000	-47.80	PASS
Band12	3MHz	QPSK	23165	15RB#0	3000~10000	-43.60	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.009~0.15	-59.57	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.15~30	-51.31	PASS
Band12	3MHz	16QAM	23165	15RB#0	30~1000	-30.71	PASS
Band12	3MHz	16QAM	23165	15RB#0	1000~3000	-46.35	PASS
Band12	3MHz	16QAM	23165	15RB#0	3000~10000	-43.51	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.009~0.15	-59.35	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.15~30	-50.62	PASS
Band12	5MHz	QPSK	23035	25RB#0	30~1000	-30.21	PASS
Band12	5MHz	QPSK	23035	25RB#0	1000~3000	-47.26	PASS
Band12	5MHz	QPSK	23035	25RB#0	3000~10000	-43.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.009~0.15	-59.11	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.15~30	-52.56	PASS
Band12	5MHz	16QAM	23035	25RB#0	30~1000	-30.68	PASS
Band12	5MHz	16QAM	23035	25RB#0	1000~3000	-48.33	PASS
Band12	5MHz	16QAM	23035	25RB#0	3000~10000	-43.17	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.009~0.15	-59.54	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.15~30	-51.85	PASS
Band12	5MHz	QPSK	23095	25RB#0	30~1000	-44.51	PASS
Band12	5MHz	QPSK	23095	25RB#0	1000~3000	-47.39	PASS
Band12	5MHz	QPSK	23095	25RB#0	3000~10000	-43.41	PASS
Band12	5MHz	16QAM	23095	25RB#0	0.009~0.15	-59.57	PASS
Band12	5MHz	16QAM	23095	25RB#0	0.15~30	-50.41	PASS
Band12	5MHz	16QAM	23095	25RB#0	30~1000	-44.69	PASS
Band12	5MHz	16QAM	23095	25RB#0	1000~3000	-45.35	PASS

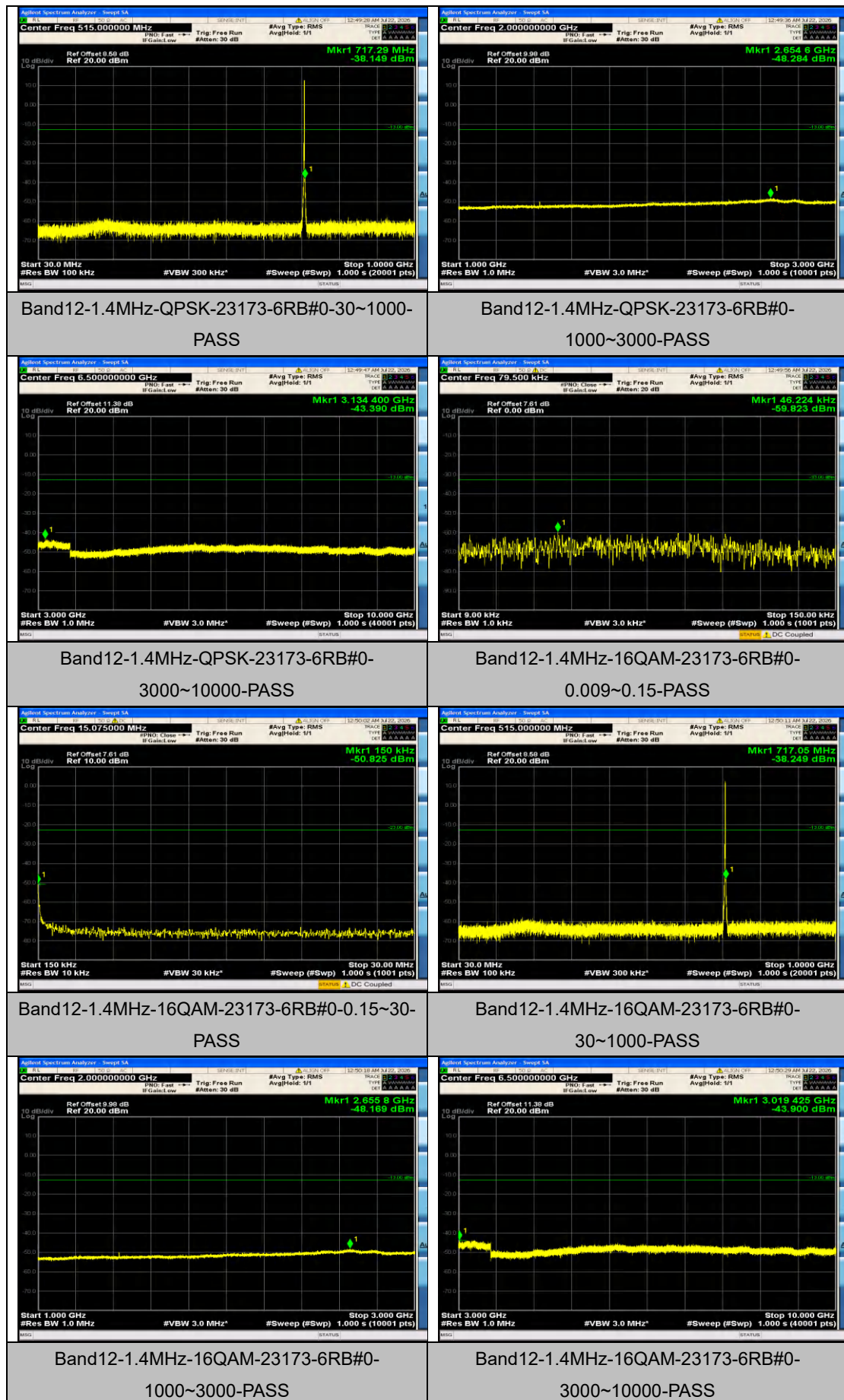
Band12	5MHz	16QAM	23095	25RB#0	3000~10000	-43.50	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.009~0.15	-59.01	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.15~30	-52.28	PASS
Band12	5MHz	QPSK	23155	25RB#0	30~1000	-31.33	PASS
Band12	5MHz	QPSK	23155	25RB#0	1000~3000	-48.12	PASS
Band12	5MHz	QPSK	23155	25RB#0	3000~10000	-43.61	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.009~0.15	-59.79	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.15~30	-52.26	PASS
Band12	5MHz	16QAM	23155	25RB#0	30~1000	-30.24	PASS
Band12	5MHz	16QAM	23155	25RB#0	1000~3000	-46.27	PASS
Band12	5MHz	16QAM	23155	25RB#0	3000~10000	-43.58	PASS
Band12	10MHz	QPSK	23060	50RB#0	0.009~0.15	-59.00	PASS
Band12	10MHz	QPSK	23060	50RB#0	0.15~30	-52.74	PASS
Band12	10MHz	QPSK	23060	50RB#0	30~1000	-30.84	PASS
Band12	10MHz	QPSK	23060	50RB#0	1000~3000	-48.12	PASS
Band12	10MHz	QPSK	23060	50RB#0	3000~10000	-43.60	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.009~0.15	-59.62	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.15~30	-53.44	PASS
Band12	10MHz	16QAM	23060	50RB#0	30~1000	-30.99	PASS
Band12	10MHz	16QAM	23060	50RB#0	1000~3000	-47.91	PASS
Band12	10MHz	16QAM	23060	50RB#0	3000~10000	-43.42	PASS
Band12	10MHz	QPSK	23095	50RB#0	0.009~0.15	-59.30	PASS
Band12	10MHz	QPSK	23095	50RB#0	0.15~30	-52.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	30~1000	-34.74	PASS
Band12	10MHz	QPSK	23095	50RB#0	1000~3000	-47.88	PASS
Band12	10MHz	QPSK	23095	50RB#0	3000~10000	-43.26	PASS
Band12	10MHz	16QAM	23095	50RB#0	0.009~0.15	-59.70	PASS
Band12	10MHz	16QAM	23095	50RB#0	0.15~30	-52.26	PASS
Band12	10MHz	16QAM	23095	50RB#0	30~1000	-35.87	PASS
Band12	10MHz	16QAM	23095	50RB#0	1000~3000	-48.25	PASS
Band12	10MHz	16QAM	23095	50RB#0	3000~10000	-43.95	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.009~0.15	-58.24	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.15~30	-53.38	PASS
Band12	10MHz	QPSK	23130	50RB#0	30~1000	-33.90	PASS
Band12	10MHz	QPSK	23130	50RB#0	1000~3000	-48.31	PASS
Band12	10MHz	QPSK	23130	50RB#0	3000~10000	-43.31	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.009~0.15	-59.70	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.15~30	-49.76	PASS
Band12	10MHz	16QAM	23130	50RB#0	30~1000	-32.26	PASS
Band12	10MHz	16QAM	23130	50RB#0	1000~3000	-48.15	PASS
Band12	10MHz	16QAM	23130	50RB#0	3000~10000	-43.47	PASS

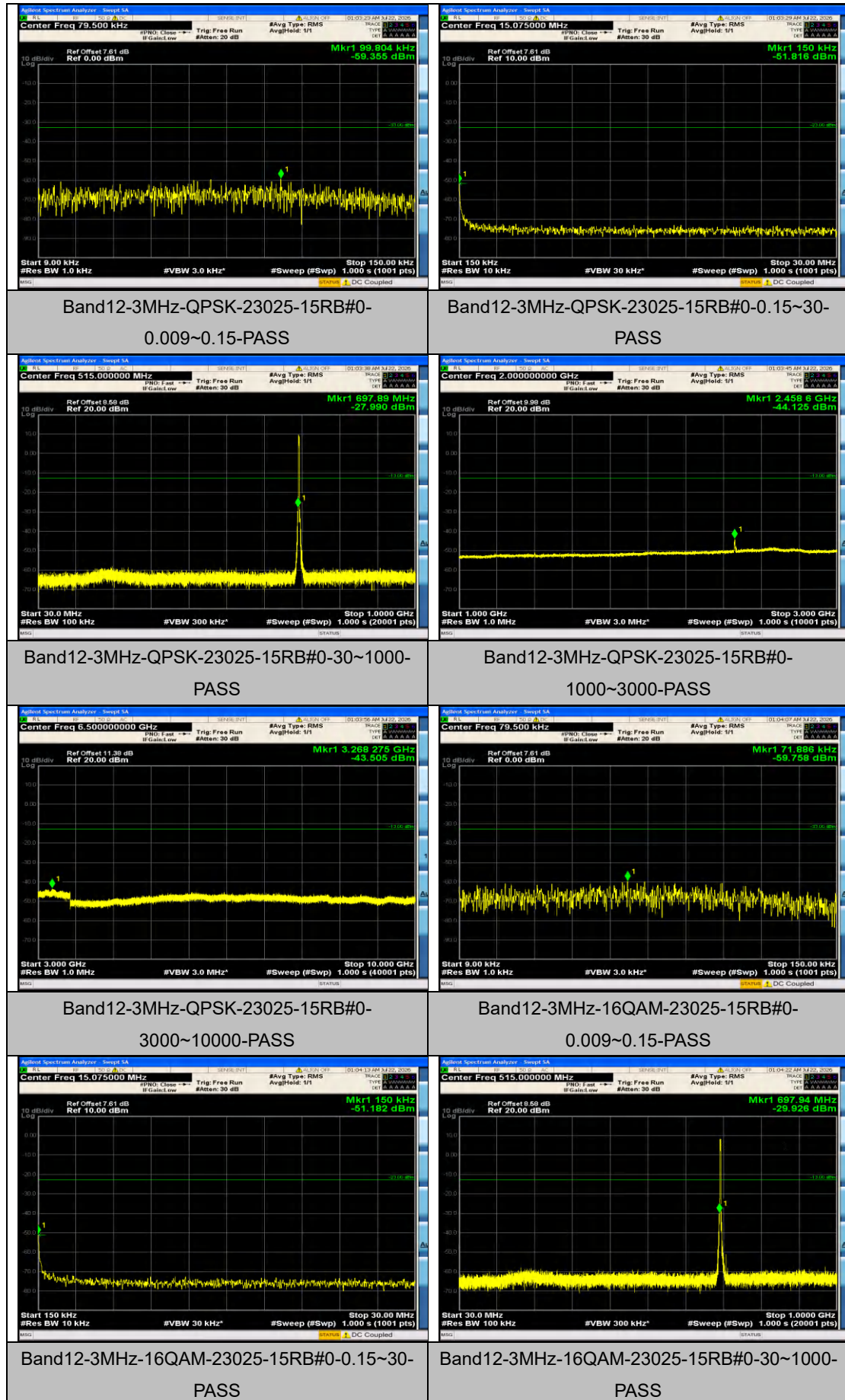
Test Graphs

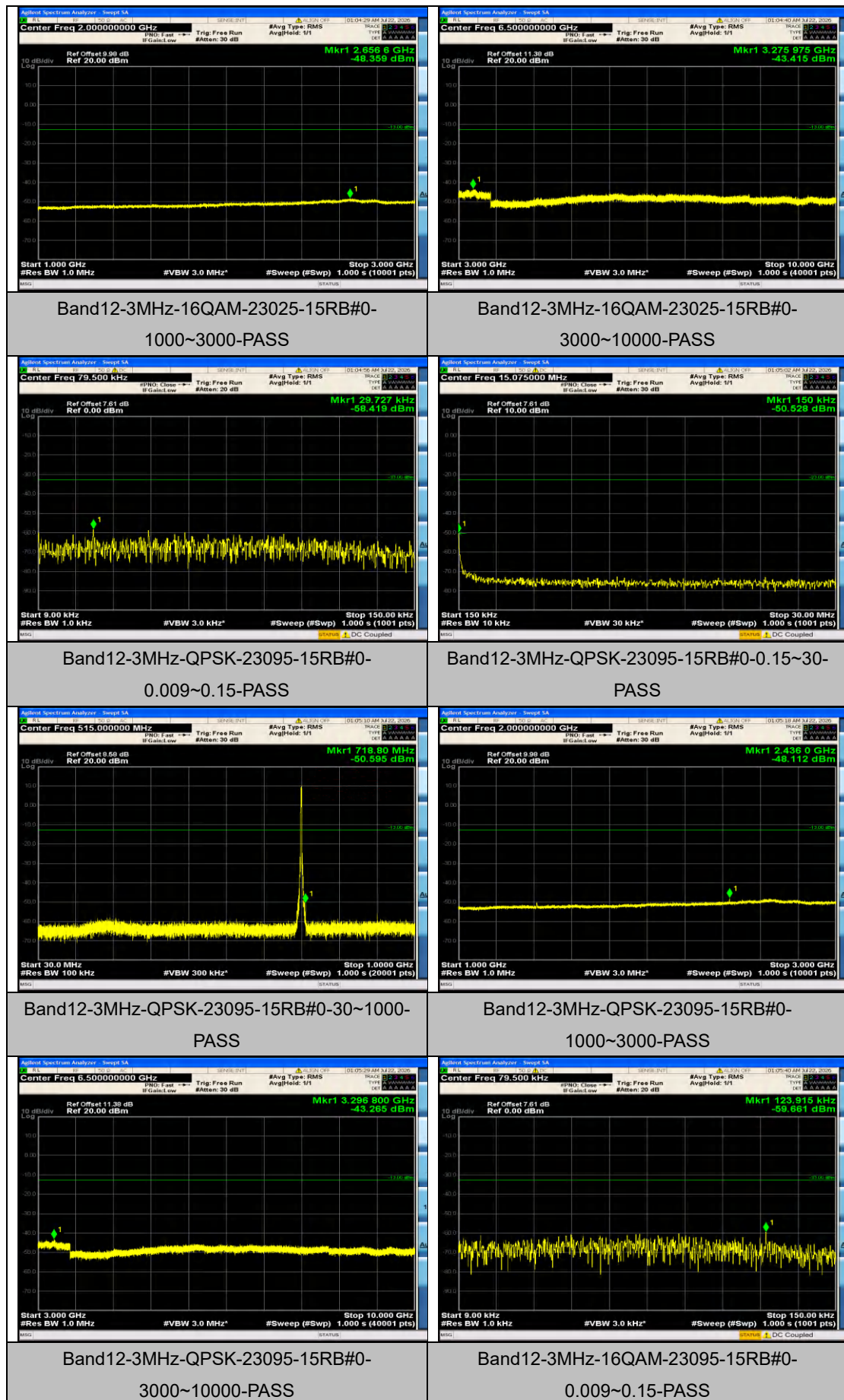


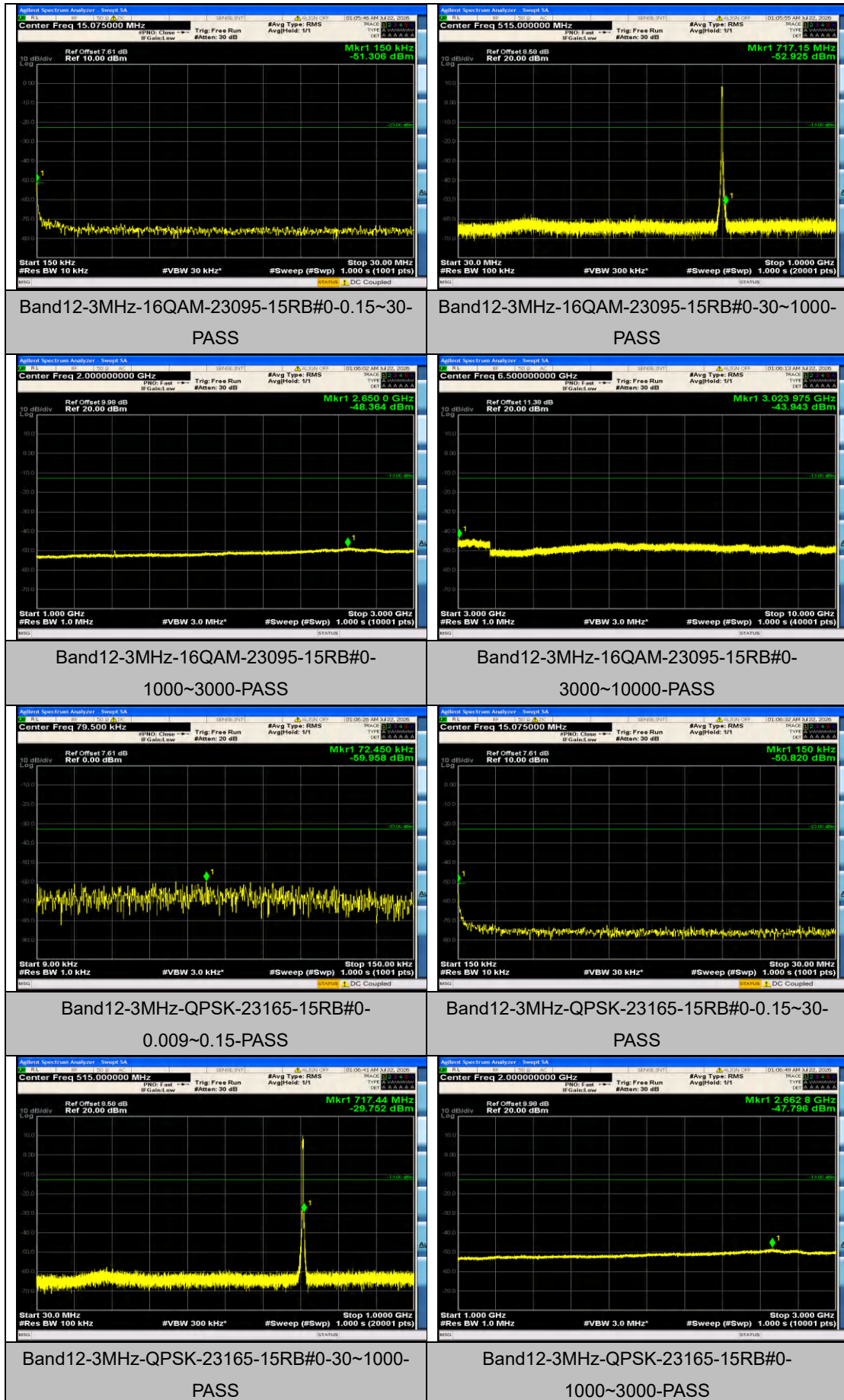


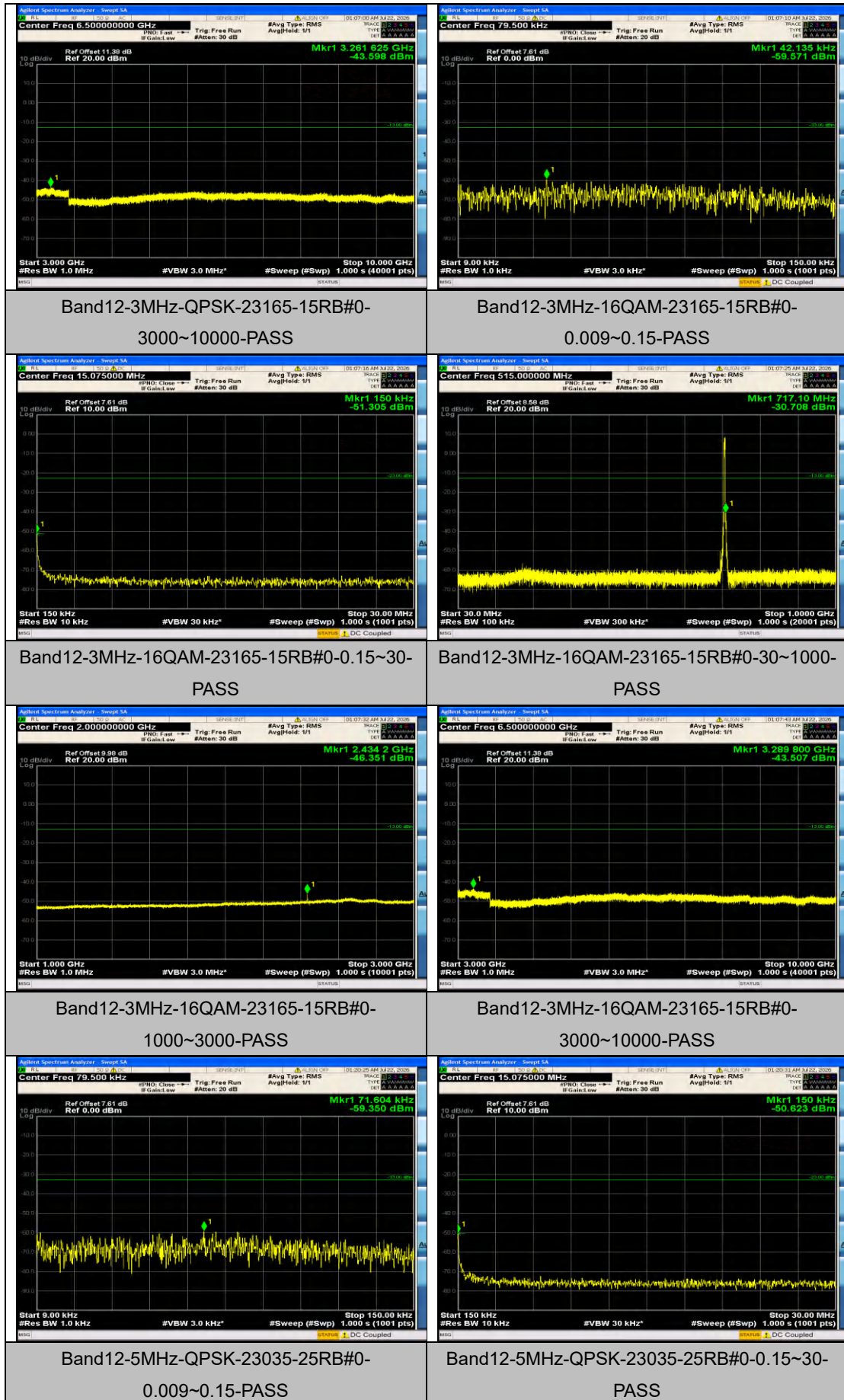


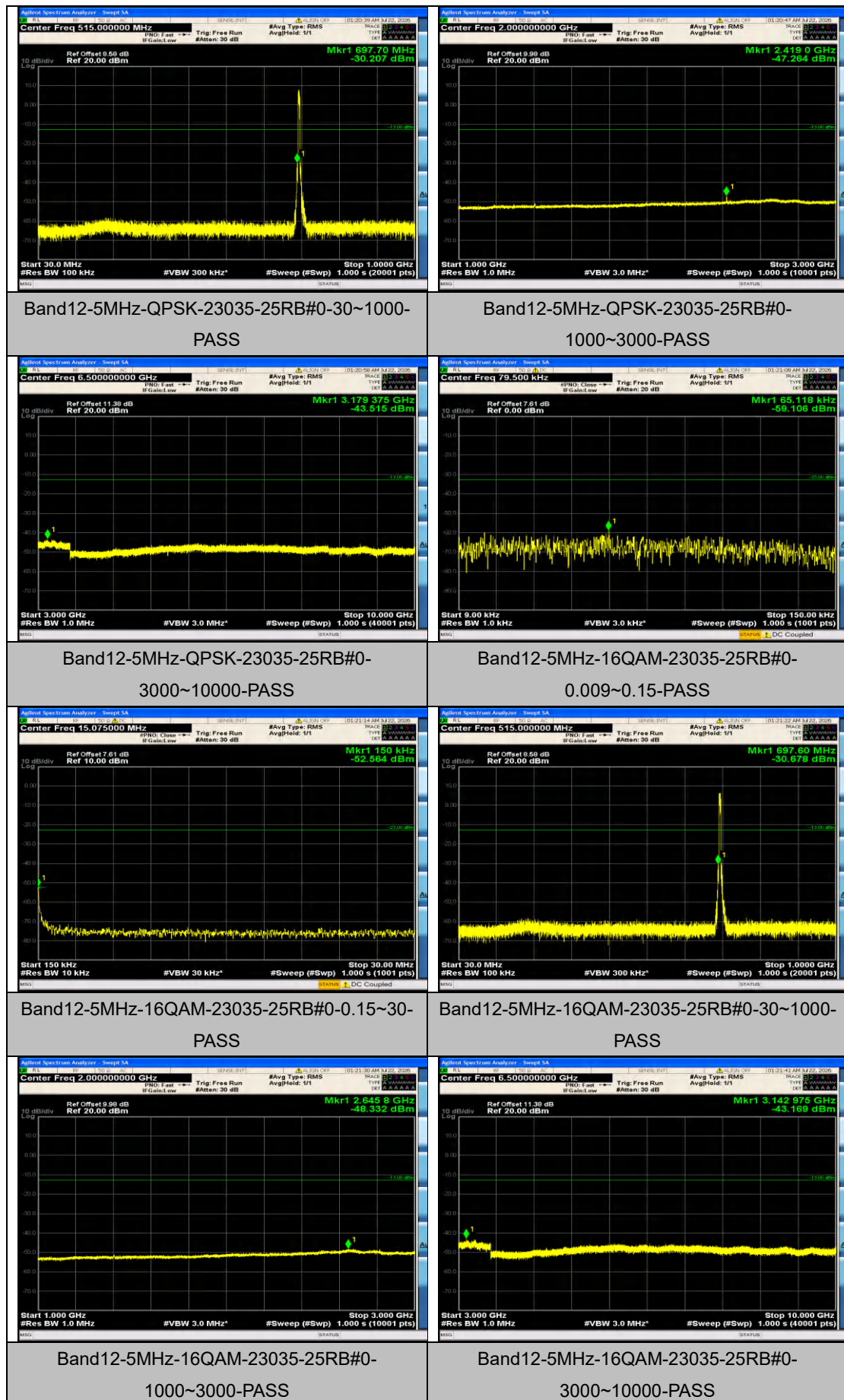


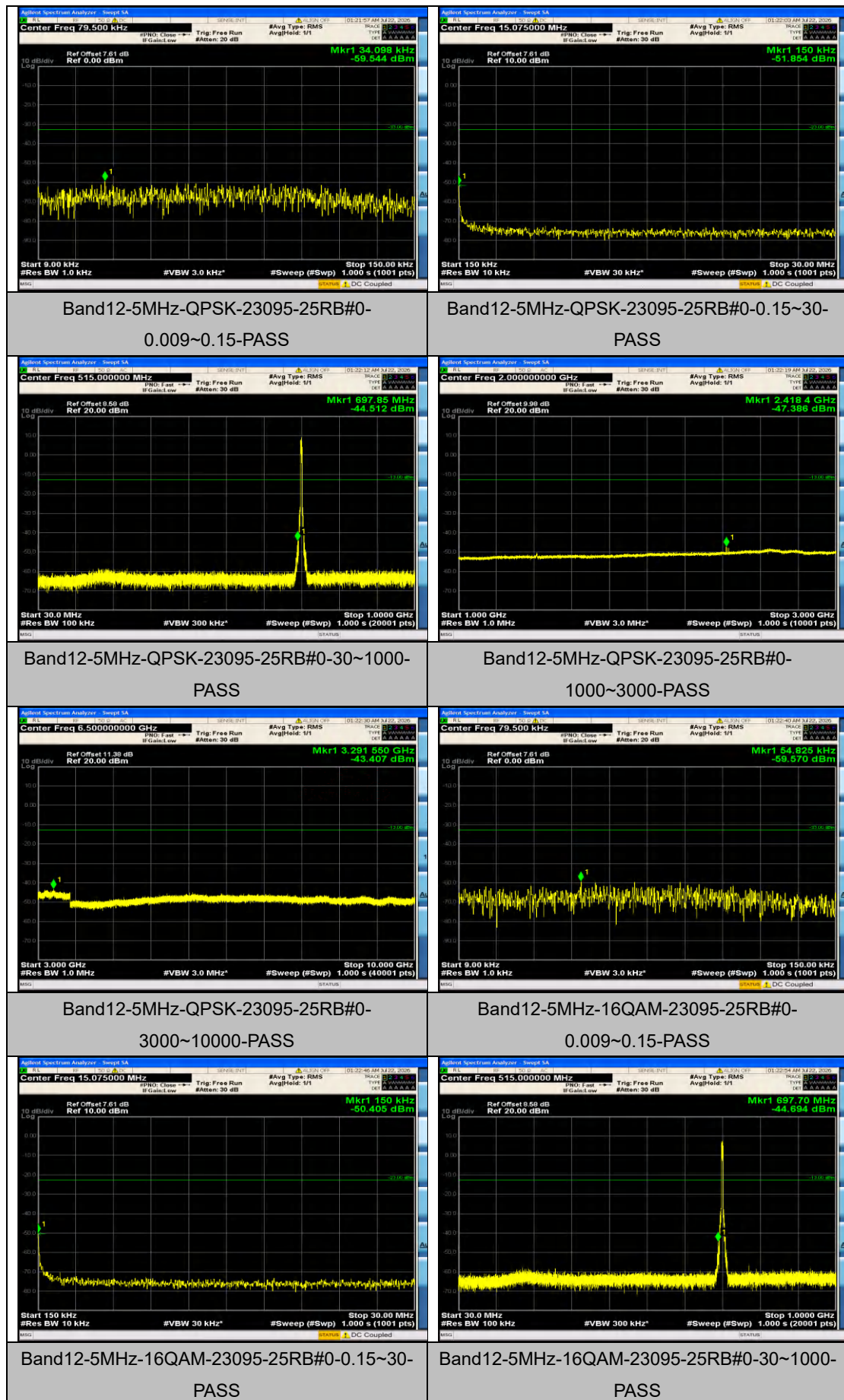


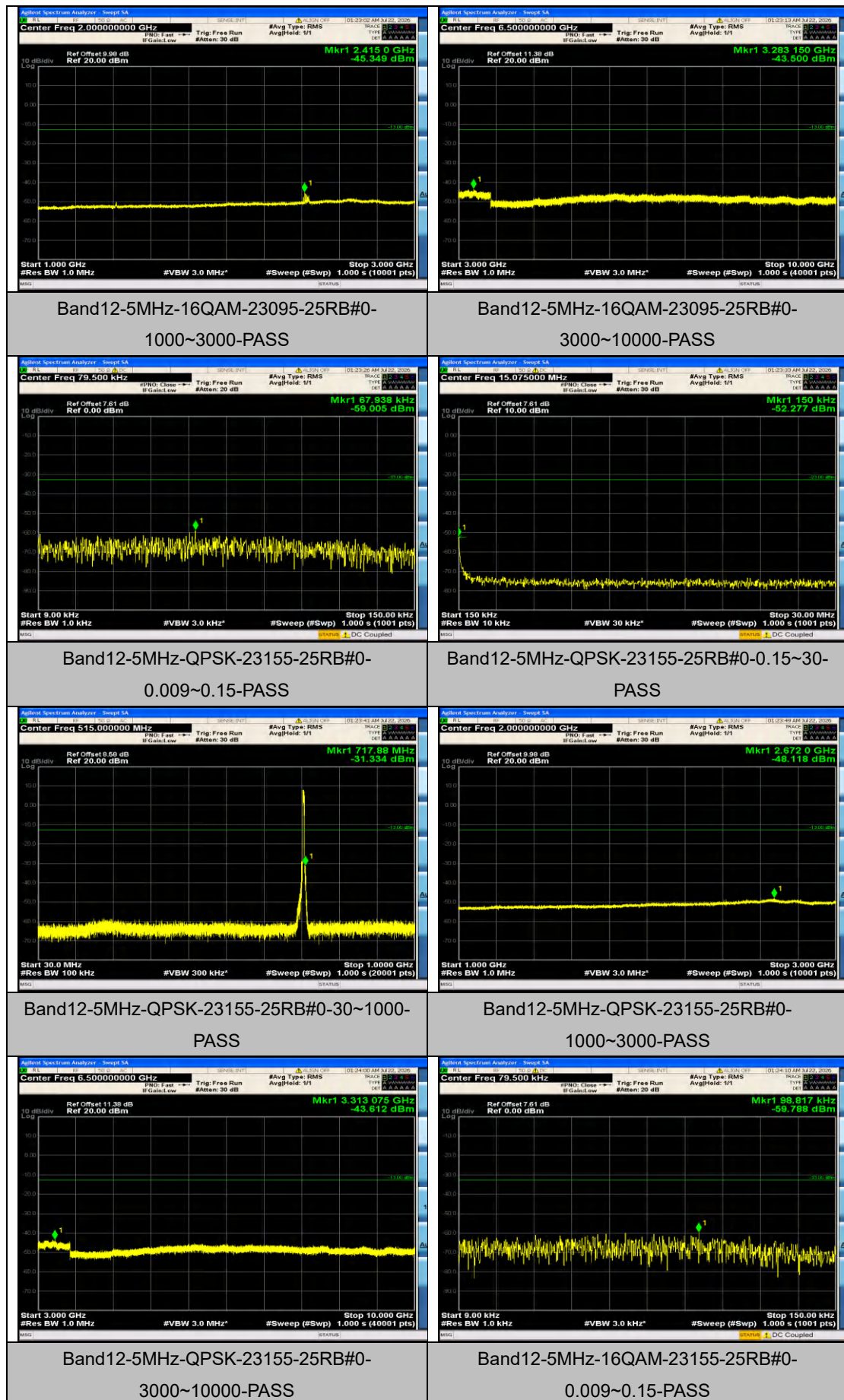


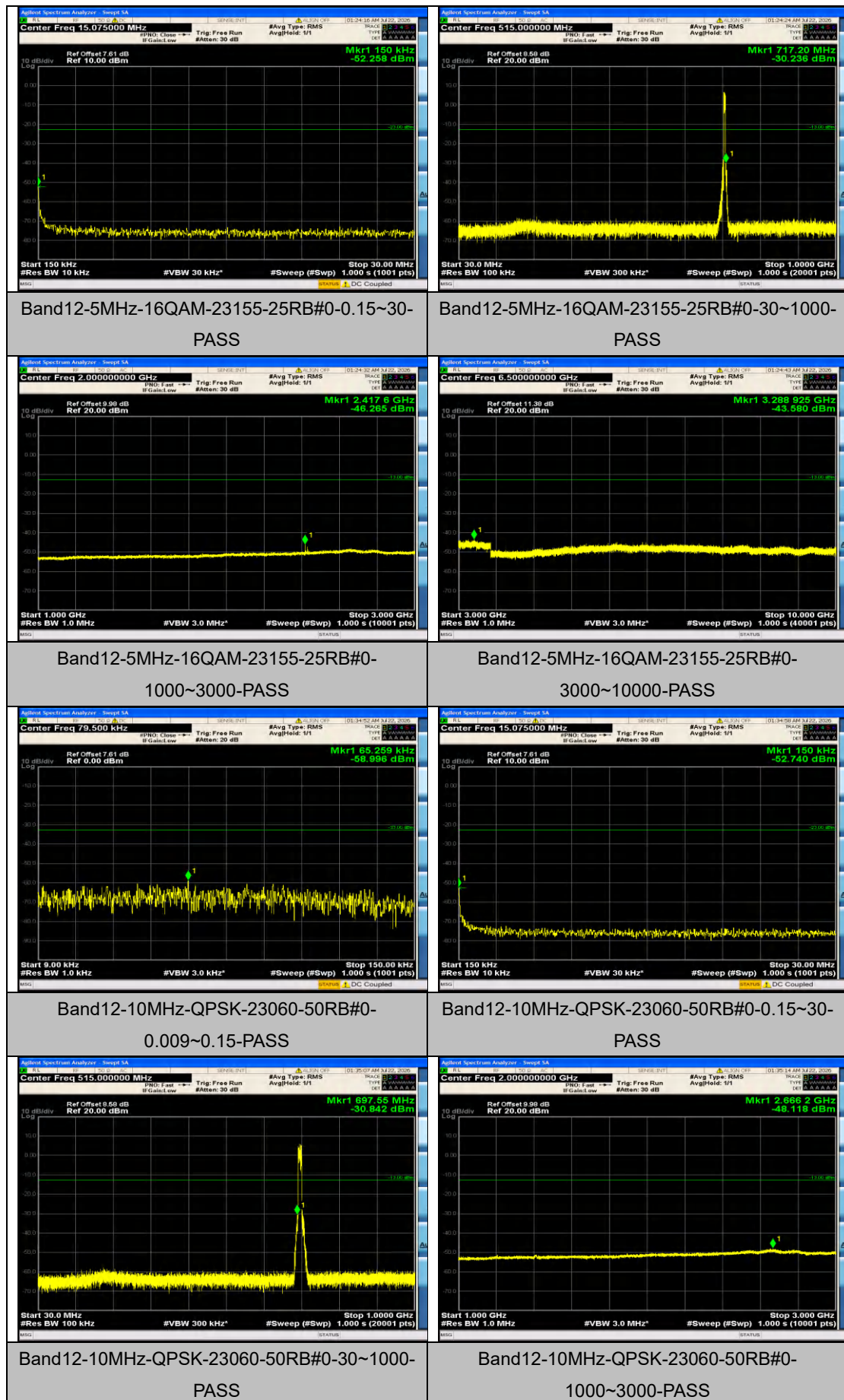


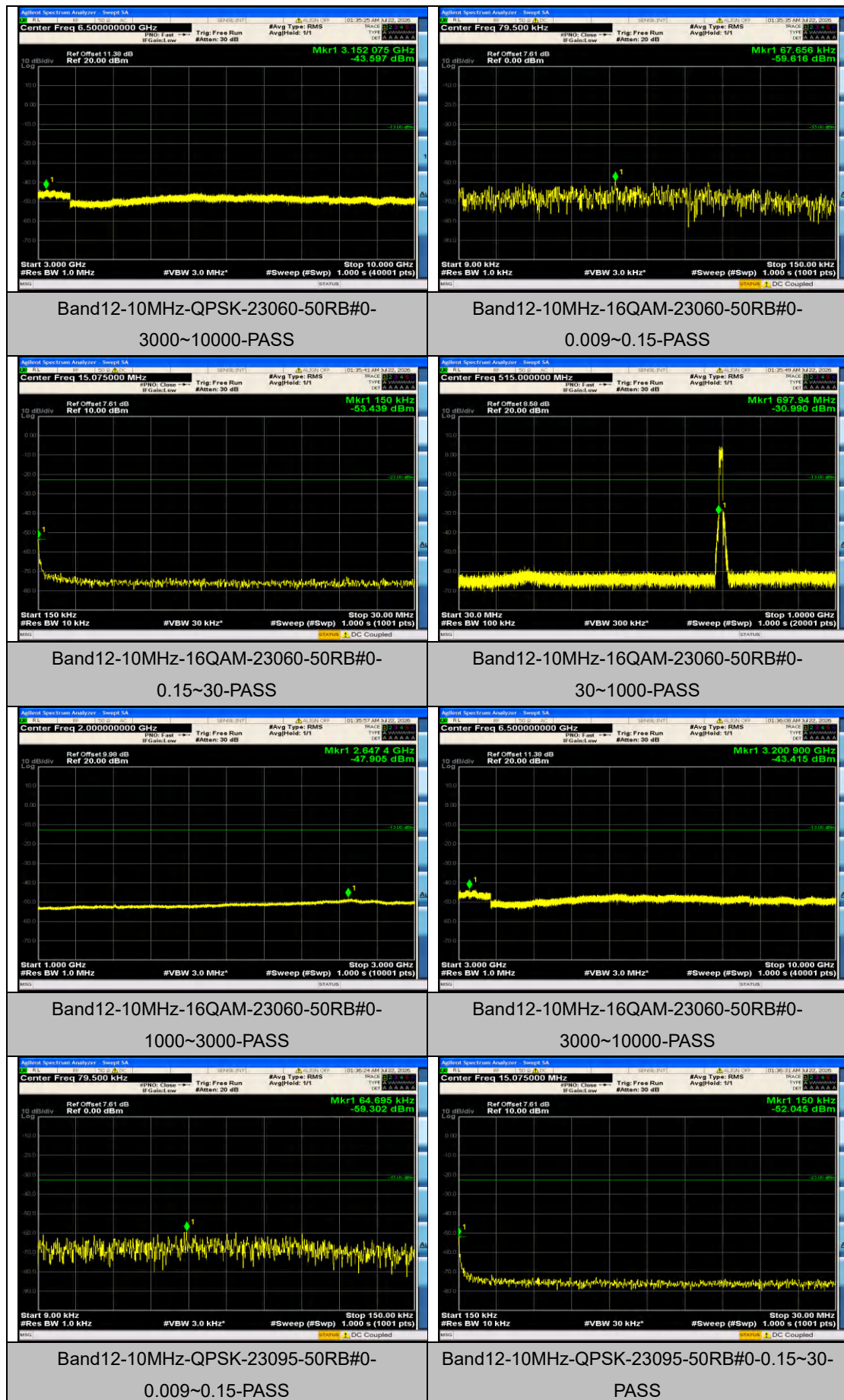


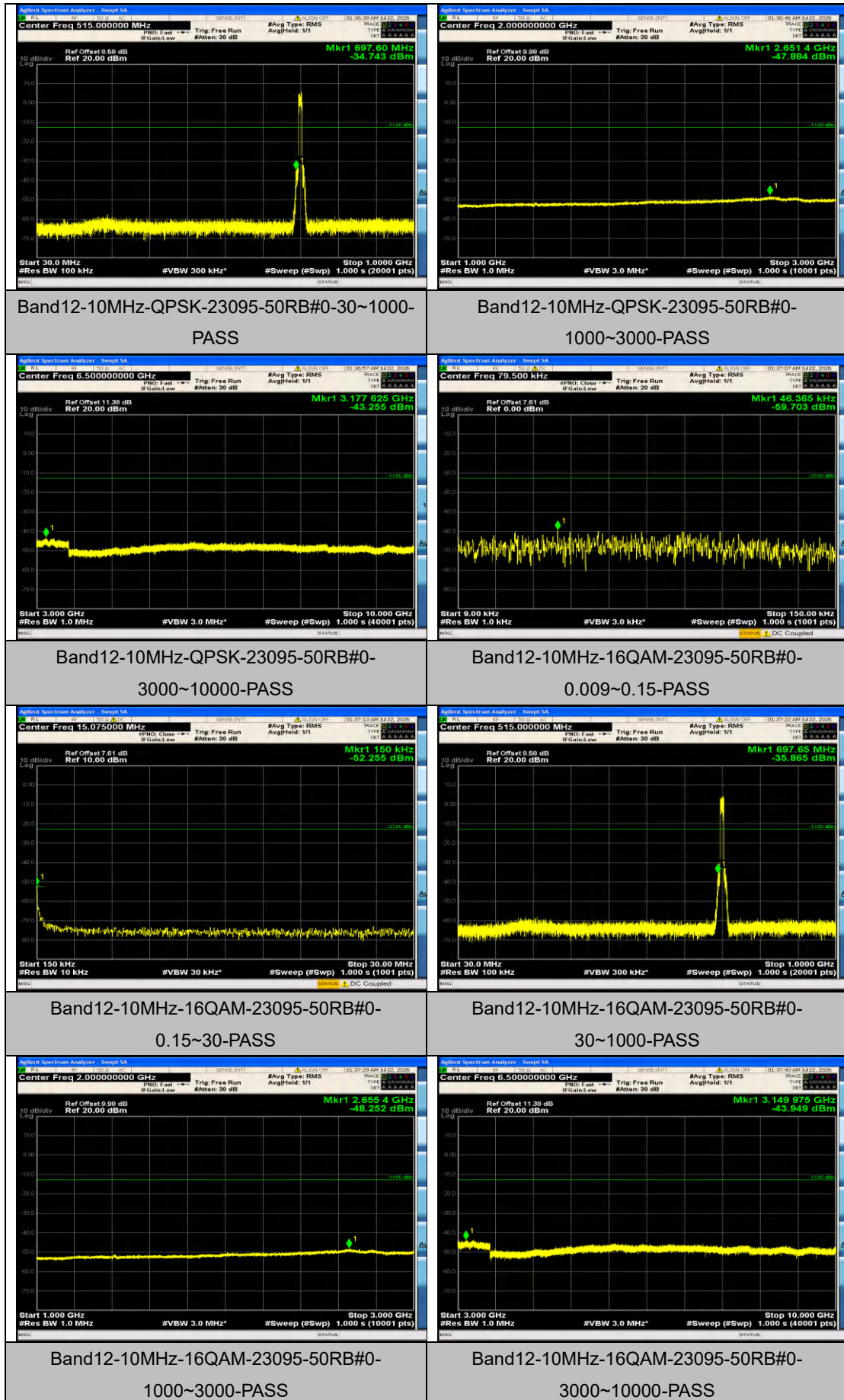


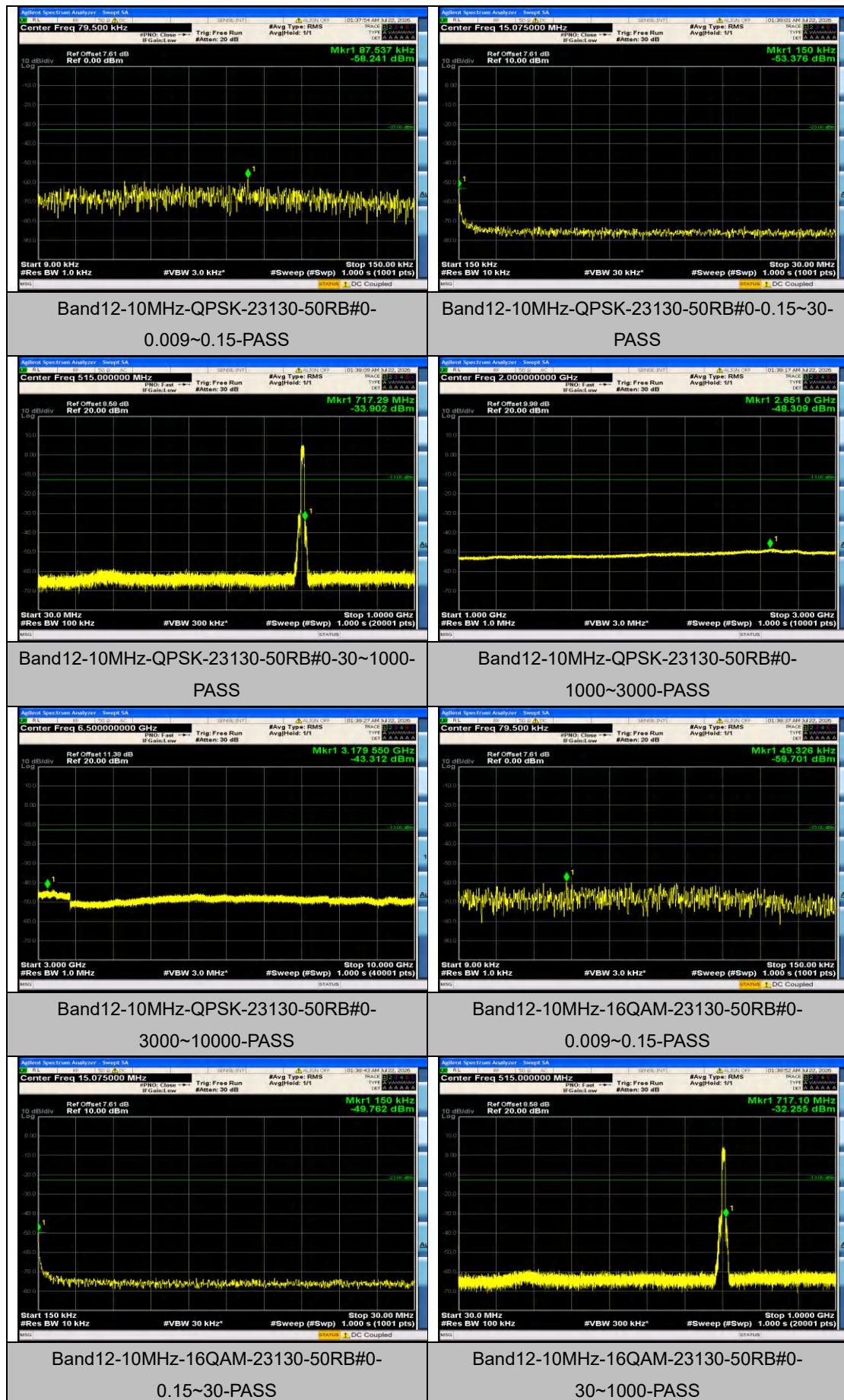


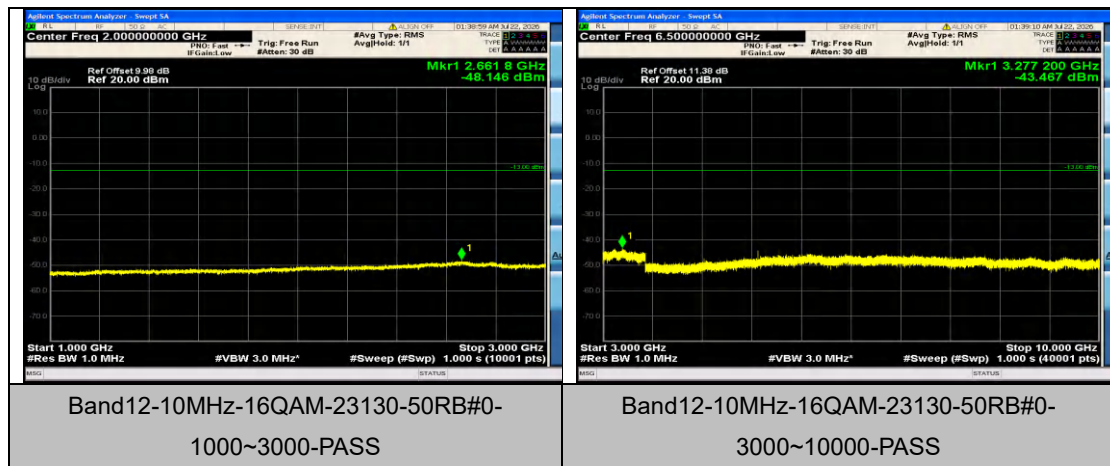












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-8.68	-0.012405	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-10.70	-0.015292	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-9.84	-0.014063	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-10.91	-0.015592	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-9.68	-0.013835	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-8.75	-0.012505	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-8.50	-0.012148	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-6.54	-0.009347	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-5.12	-0.007317	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	6.07	0.008675	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	7.68	0.010976	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	7.37	0.010533	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	8.96	0.012805	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	9.24	0.013206	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	10.47	0.014964	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	10.77	0.015392	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	12.47	0.017822	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	12.33	0.017622	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-6.85	-0.009682	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-12.53	-0.017710	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	-15.48	-0.021880	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-19.87	-0.028085	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-25.22	-0.035647	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-29.71	-0.041993	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-33.75	-0.047703	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-37.65	-0.053216	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-40.54	-0.057300	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-47.69	-0.067406	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-49.01	-0.069272	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	6.74	0.009527	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	5.89	0.008325	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	4.61	0.006516	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	6.59	0.009314	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	5.58	0.007887	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	3.86	0.005456	±2.5	PASS

Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	2.53	0.003576	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	5.11	0.007144	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	5.65	0.007899	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	7.24	0.010122	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	6.42	0.008975	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	5.39	0.007535	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	5.59	0.007815	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	3.86	0.005396	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	2.65	0.003705	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	1.52	0.002125	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	4.78	0.006683	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	5.69	0.007955	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	5.19	0.007256	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	6.02	0.008416	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	7.27	0.010164	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	9.53	0.013323	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	10.80	0.015099	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	10.79	0.015085	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	11.73	0.016399	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-12.97	-0.018515	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	-13.59	-0.019400	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	-16.51	-0.023569	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-17.84	-0.025468	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-17.78	-0.025382	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-15.88	-0.022670	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	-16.09	-0.022969	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	-15.68	-0.022384	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	-18.01	-0.025710	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-13.90	-0.019843	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-12.77	-0.018230	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	-11.44	-0.016331	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-10.96	-0.015646	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-8.38	-0.011963	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-6.92	-0.009879	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-6.47	-0.009236	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-6.51	-0.009293	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-5.99	-0.008551	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-17.24	-0.024367	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-22.92	-0.032396	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	-26.54	-0.037512	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-29.40	-0.041555	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	10	-34.95	-0.049399	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-37.64	-0.053201	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-41.00	-0.057951	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	-44.16	-0.062417	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-48.72	-0.068862	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-9.24	-0.013060	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-11.57	-0.016353	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-14.66	-0.020721	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-17.28	-0.024424	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-18.68	-0.026403	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-19.34	-0.027336	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-20.06	-0.028353	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-22.49	-0.031788	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-25.29	-0.035746	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	6.69	0.009363	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	5.35	0.007488	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	2.76	0.003863	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	2.92	0.004087	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	2.55	0.003569	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	1.95	0.002729	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	-2.70	-0.003779	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	-2.02	-0.002827	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	-3.92	-0.005486	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-1.50	-0.002099	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	3.09	0.004325	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	3.45	0.004829	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	3.49	0.004885	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	3.59	0.005024	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	6.48	0.009069	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	7.94	0.011113	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	8.24	0.011533	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	9.50	0.013296	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	4.45	0.006344	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	3.98	0.005674	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	3.02	0.004305	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	3.68	0.005246	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	2.22	0.003165	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	2.96	0.004220	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	1.66	0.002366	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	1.10	0.001568	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	3.76	0.005360	±2.5	PASS

Band12	5MHz	16QAM	23035	25RB#0	NV	-30	3.20	0.004562	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	4.88	0.006957	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	6.42	0.009152	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	8.07	0.011504	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	11.72	0.016707	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	10.57	0.015068	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	10.86	0.015481	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	12.43	0.017719	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	14.09	0.020086	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	-11.82	-0.016707	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-18.21	-0.025739	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-20.84	-0.029456	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-25.96	-0.036693	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-27.67	-0.039110	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-33.20	-0.046926	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-36.75	-0.051943	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-40.08	-0.056650	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-43.95	-0.062120	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-9.81	-0.013866	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	-12.22	-0.017272	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	-12.77	-0.018049	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-15.21	-0.021498	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-17.74	-0.025074	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-20.31	-0.028707	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-23.16	-0.032735	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-23.93	-0.033823	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-26.88	-0.037993	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	7.64	0.010708	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	7.78	0.010904	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	8.73	0.012235	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	9.70	0.013595	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	8.37	0.011731	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	9.18	0.012866	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	7.75	0.010862	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	7.98	0.011184	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	8.57	0.012011	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	5.79	0.008115	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	7.68	0.010764	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	9.40	0.013174	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	12.13	0.017001	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	14.69	0.020589	±2.5	PASS

Band12	5MHz	16QAM	23155	25RB#0	NV	20	17.07	0.023924	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	19.84	0.027807	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	18.85	0.026419	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	22.27	0.031212	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-4.26	-0.006051	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-5.61	-0.007969	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-8.34	-0.011847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-9.37	-0.013310	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-12.33	-0.017514	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-12.35	-0.017543	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-14.62	-0.020767	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-16.61	-0.023594	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-17.25	-0.024503	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-22.69	-0.032230	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-25.88	-0.036761	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-25.79	-0.036634	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-27.38	-0.038892	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-29.48	-0.041875	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-29.87	-0.042429	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-31.81	-0.045185	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-34.16	-0.048523	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-38.22	-0.054290	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-6.34	-0.008961	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-9.30	-0.013145	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-12.85	-0.018163	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-15.99	-0.022601	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-16.38	-0.023152	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-17.80	-0.025159	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-18.53	-0.026191	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-19.57	-0.027661	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-18.18	-0.025696	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-18.87	-0.026671	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-20.23	-0.028594	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-19.83	-0.028028	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-18.94	-0.026770	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-19.90	-0.028127	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-19.37	-0.027378	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-17.92	-0.025329	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-15.74	-0.022247	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-13.69	-0.019350	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-4.25	-0.005977	±2.5	PASS

Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-5.34	-0.007511	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-7.47	-0.010506	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-6.25	-0.008790	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-5.51	-0.007750	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-4.52	-0.006357	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-5.64	-0.007932	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-6.34	-0.008917	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-7.35	-0.010338	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-6.82	-0.009592	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-5.52	-0.007764	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-1.54	-0.002166	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	3.02	0.004248	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	5.61	0.007890	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	7.55	0.010619	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	7.57	0.010647	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	9.14	0.012855	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	8.11	0.011406	±2.5	PASS