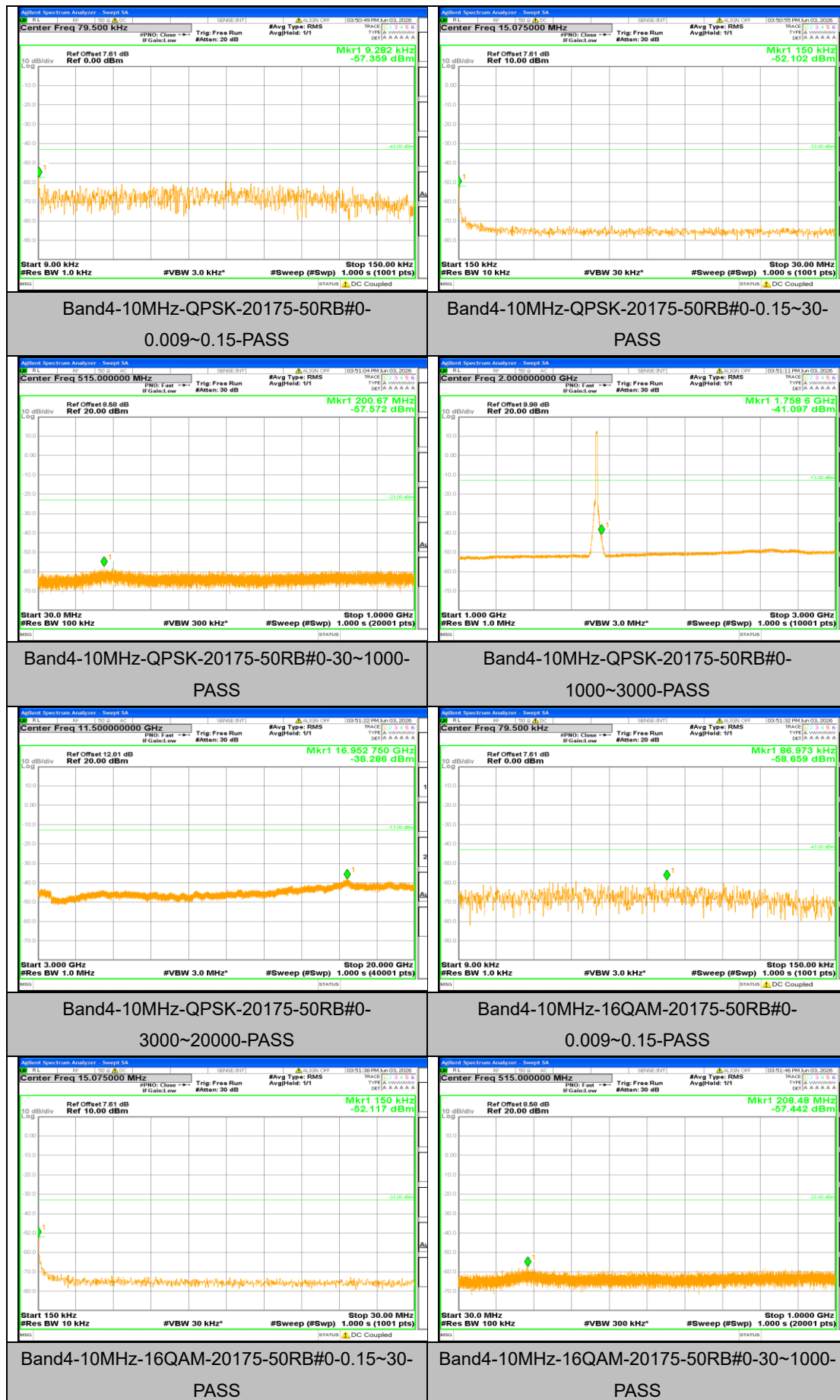
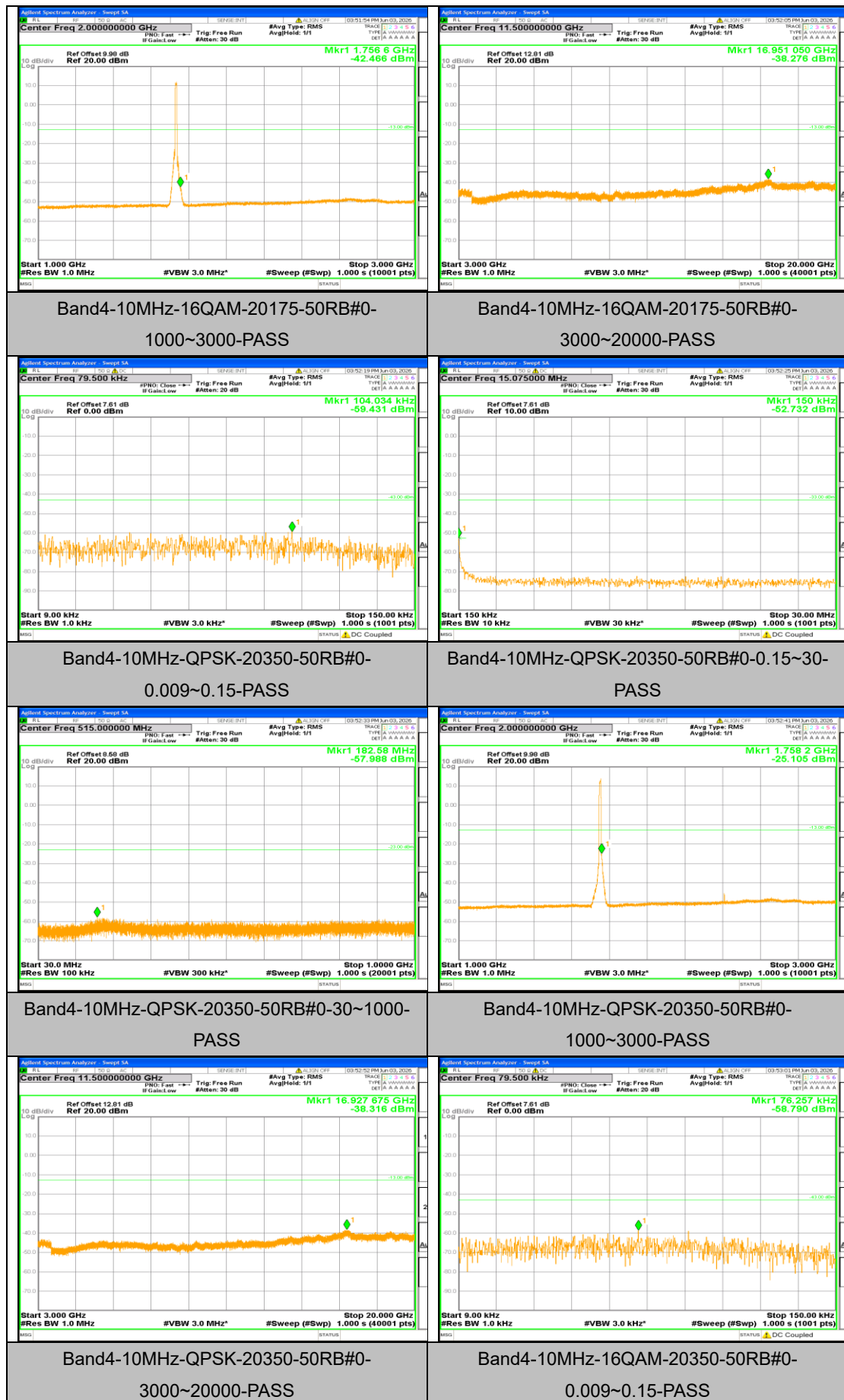
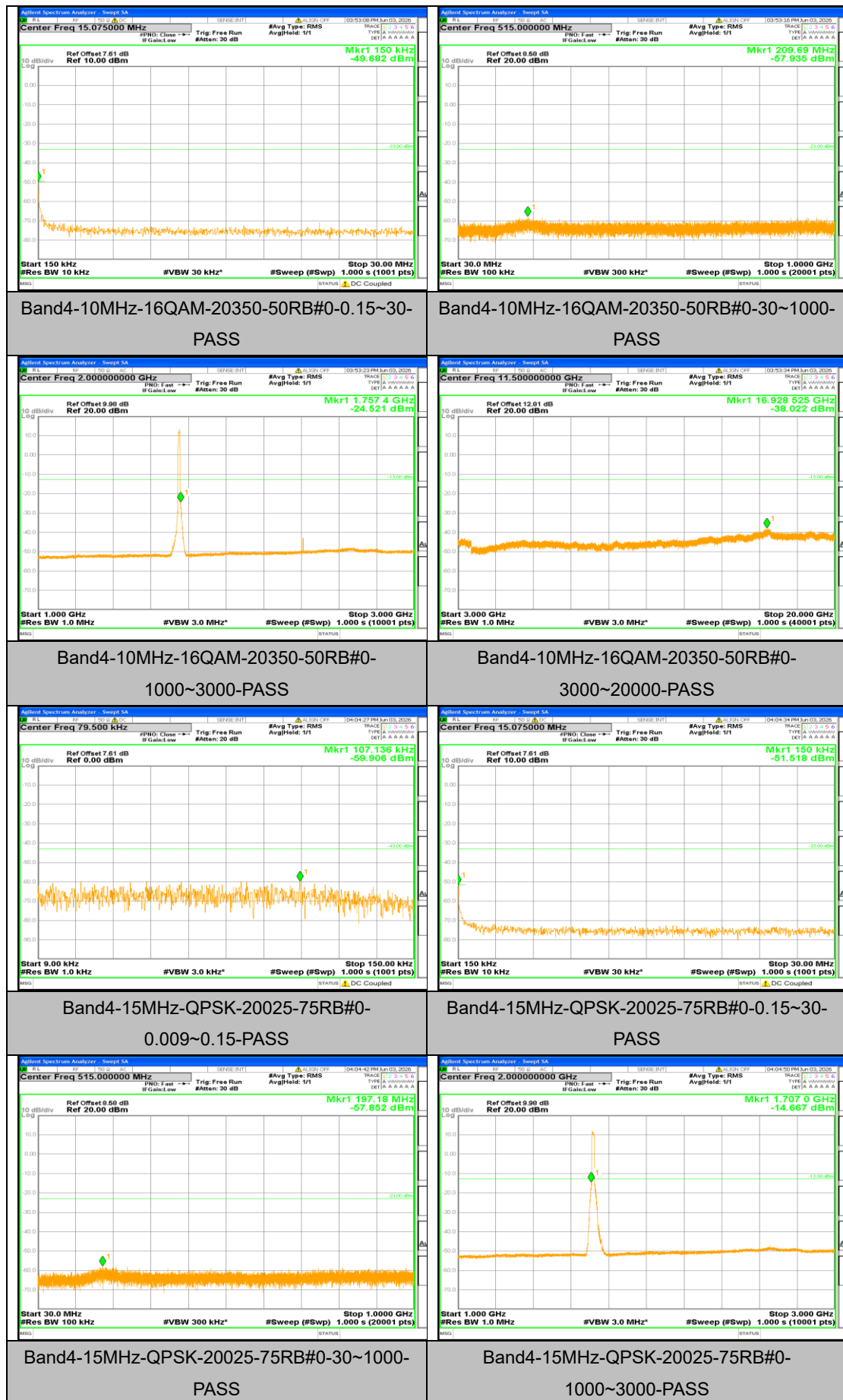
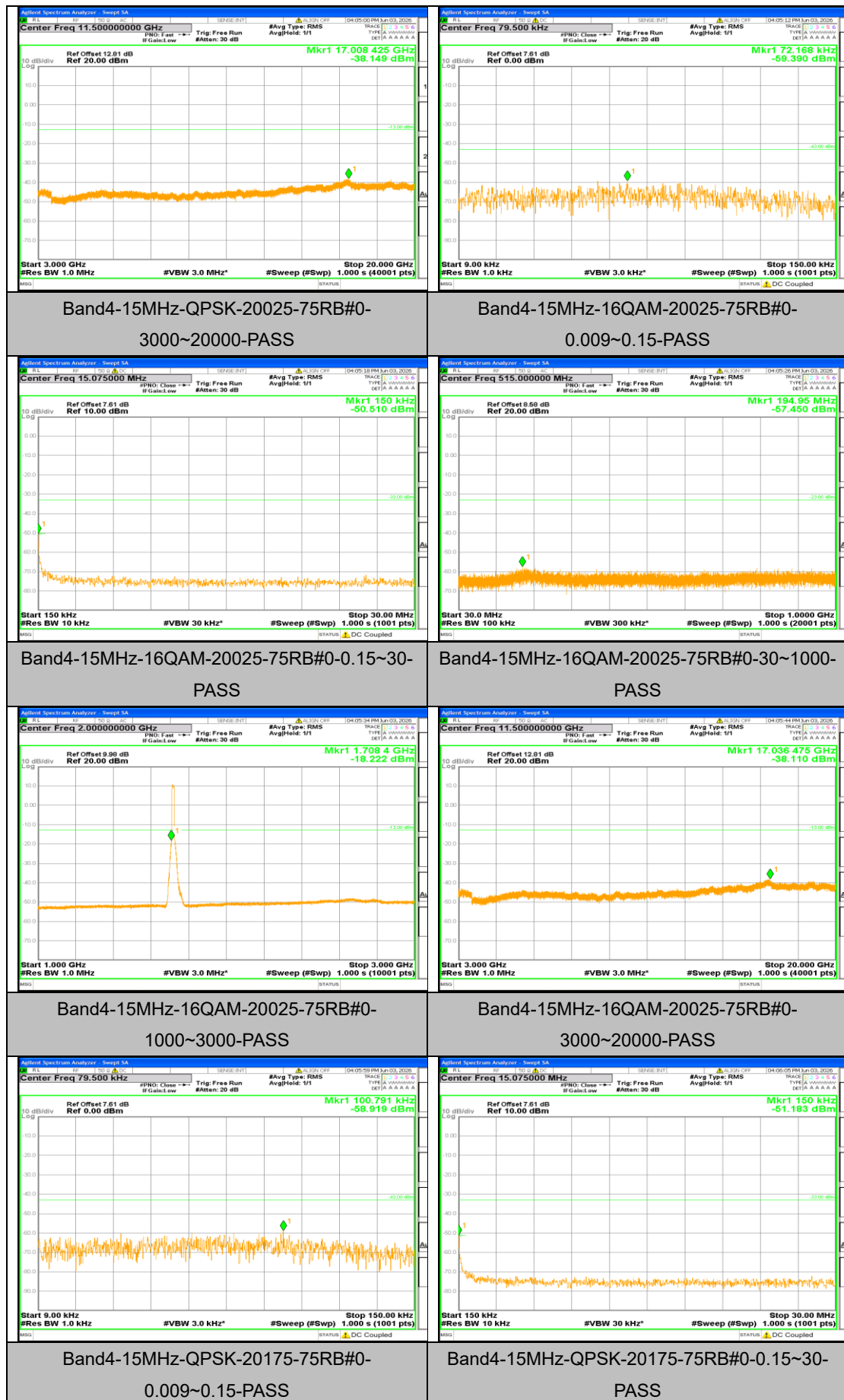
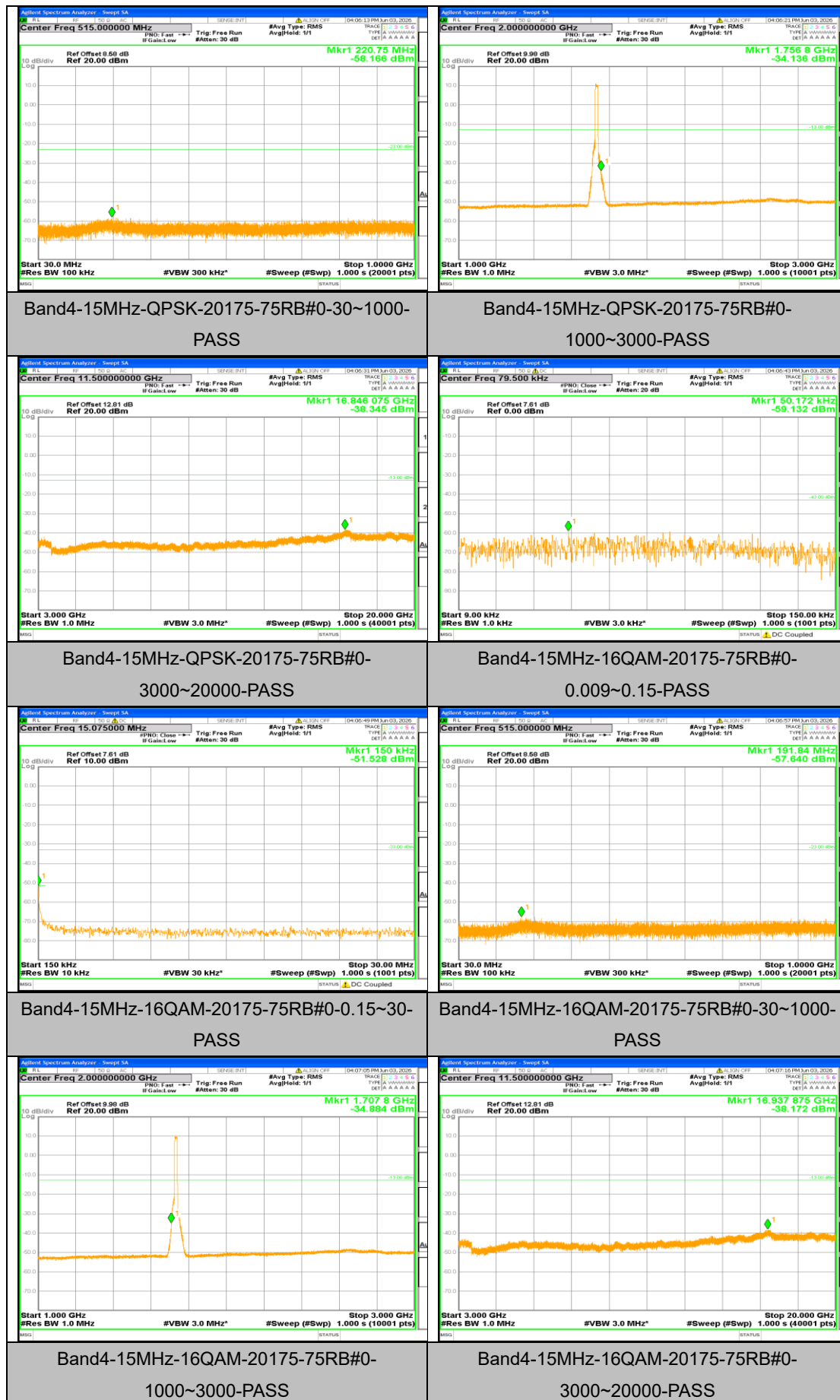


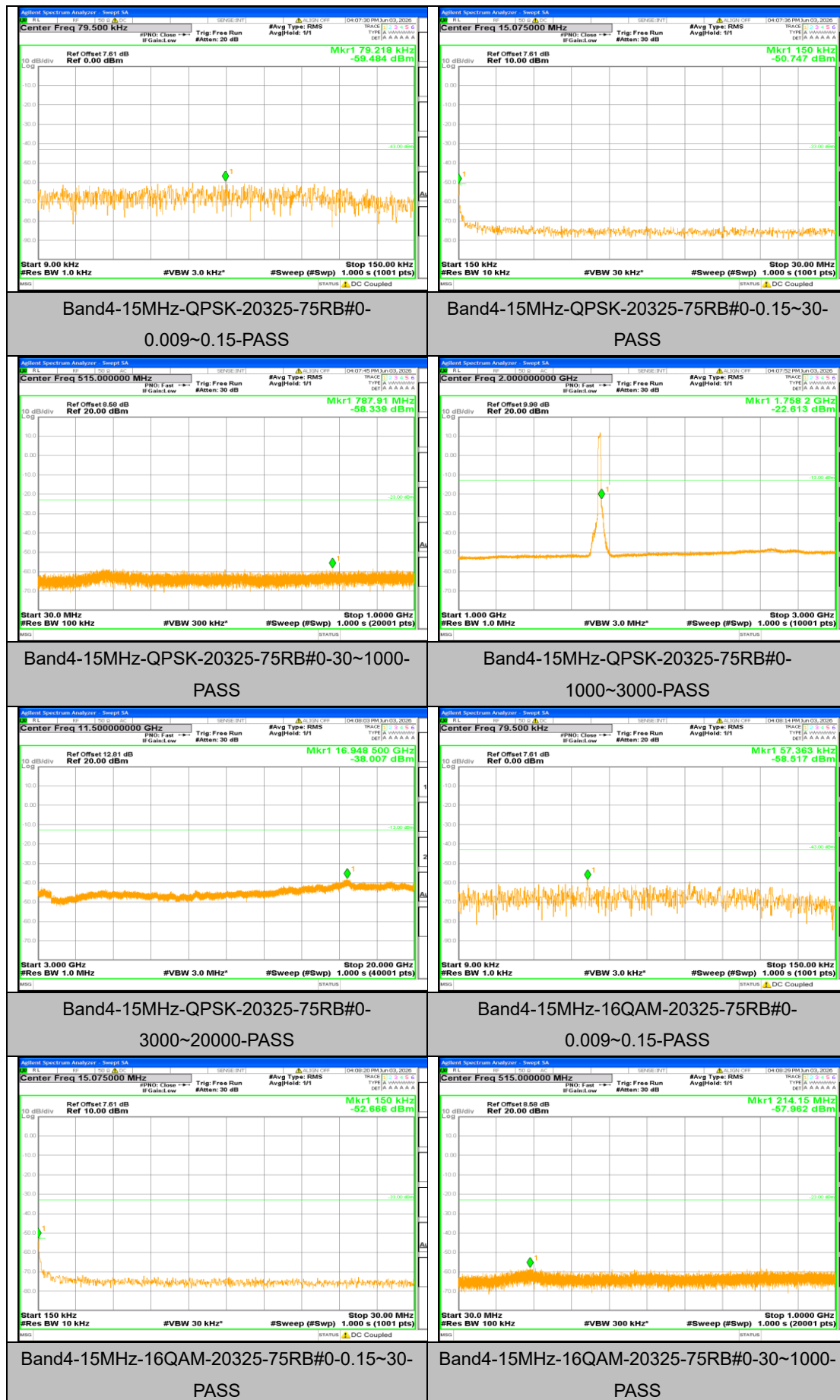


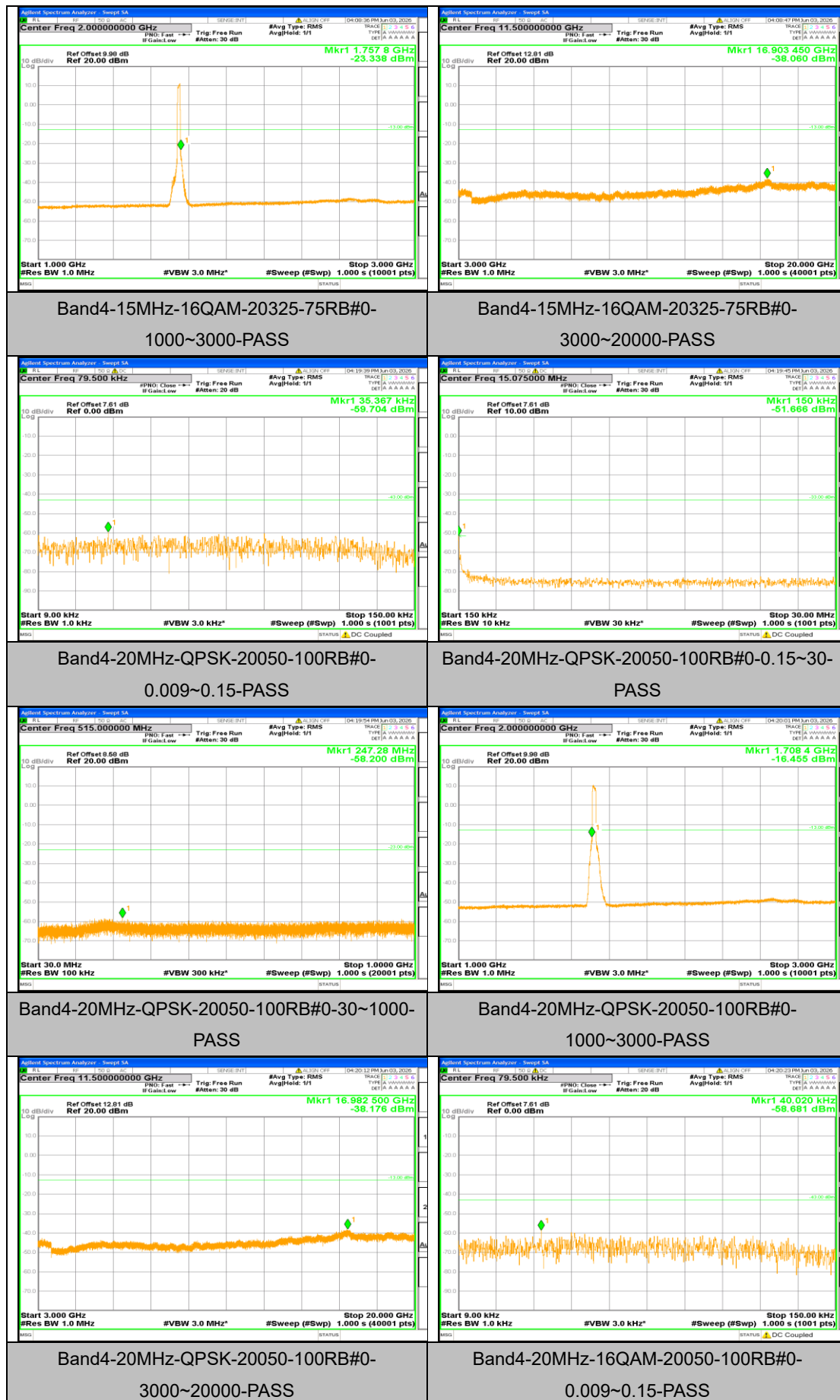


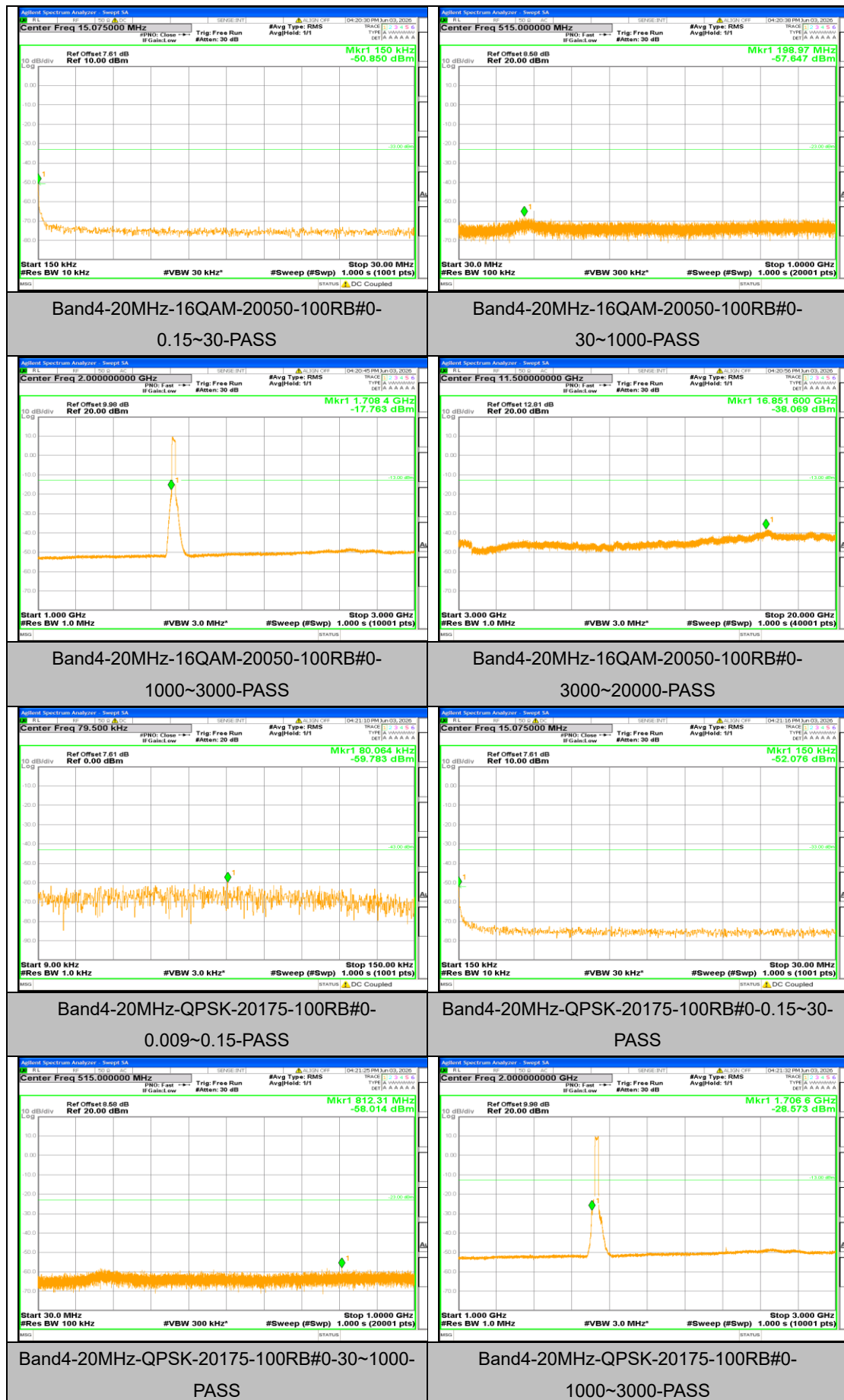


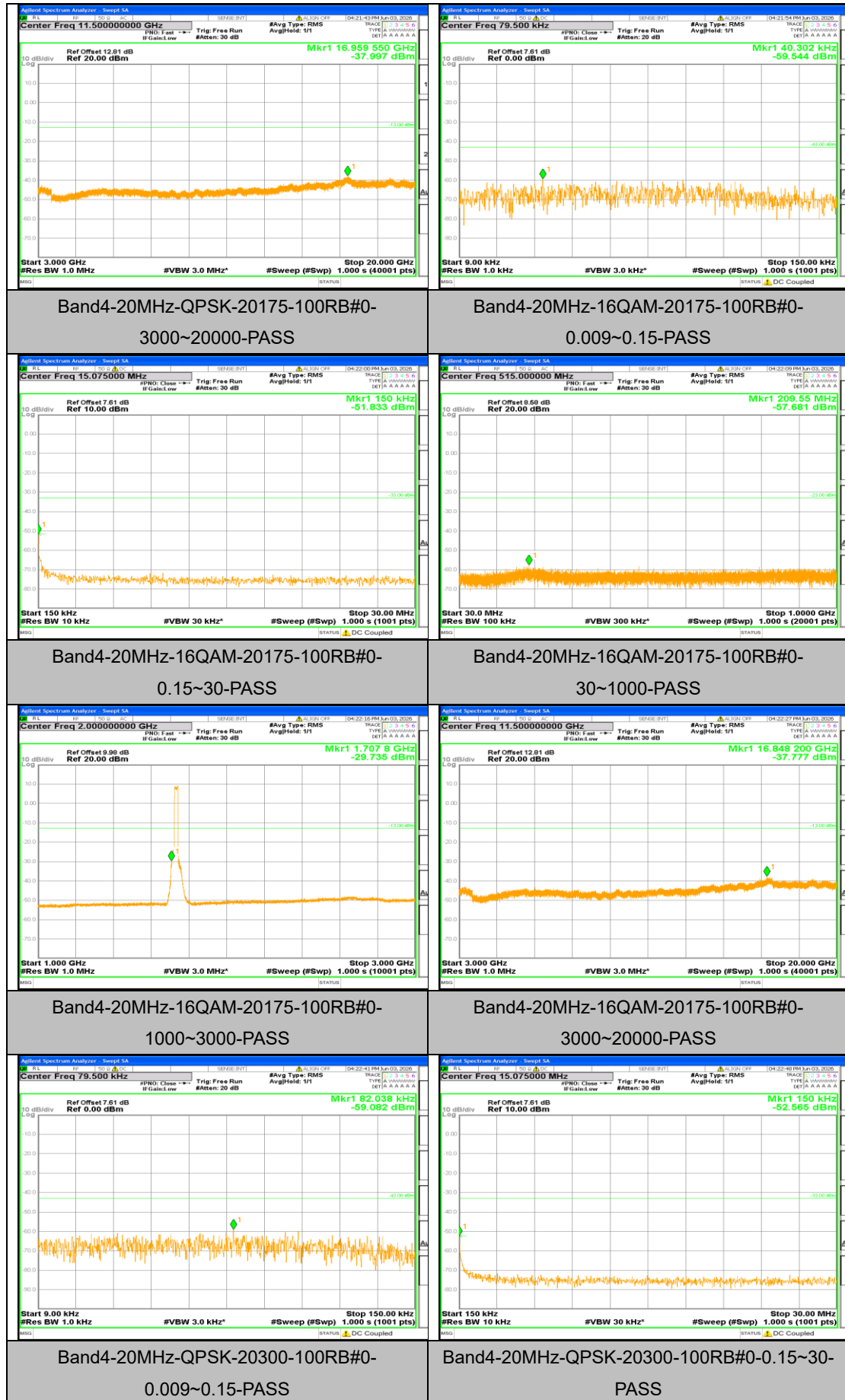


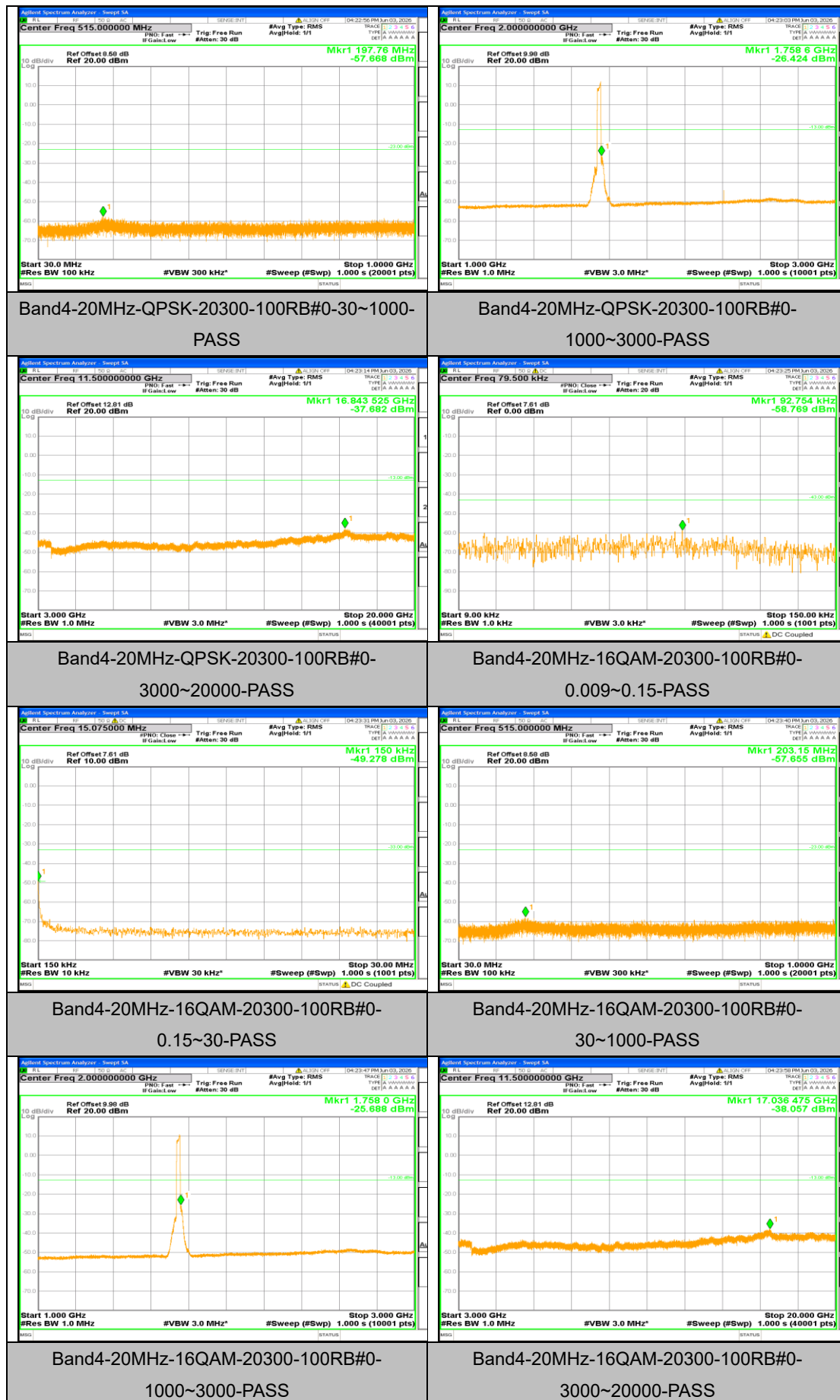












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	-18.98	-0.011095	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-16.24	-0.009493	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-10	-26.82	-0.015678	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-33.46	-0.019559	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-33.83	-0.019776	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-38.02	-0.022225	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	-36.12	-0.021114	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	-36.11	-0.021108	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	-34.39	-0.020103	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	-28.15	-0.016455	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	-27.69	-0.016186	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-10	-26.22	-0.015327	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-25.11	-0.014678	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-24.20	-0.014146	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-19.54	-0.011422	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	30	-20.48	-0.011972	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	40	-19.14	-0.011188	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	50	-18.94	-0.011071	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-14.20	-0.008196	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-24.22	-0.013980	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	-28.30	-0.016335	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-34.28	-0.019786	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-40.04	-0.023111	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-40.91	-0.023613	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	-47.58	-0.027463	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	-13.39	-0.007729	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	-31.94	-0.018436	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-4.81	-0.002776	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-8.88	-0.005126	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-10	-11.66	-0.006730	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-17.22	-0.009939	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-22.87	-0.013201	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-33.70	-0.019452	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	30	21.96	0.012675	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	40	18.63	0.010753	±2.5	PASS

Band4	1.4MHz	16QAM	20175	6RB#0	NV	50	9.98	0.005760	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	3.39	0.001932	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-6.95	-0.003962	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-8.38	-0.004777	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-12.59	-0.007177	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-16.39	-0.009343	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-20.54	-0.011708	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-25.96	-0.014798	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-24.52	-0.013977	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-27.95	-0.015932	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-24.00	-0.013681	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-17.55	-0.010004	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-10	-9.58	-0.005461	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-13.42	-0.007650	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-8.47	-0.004828	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-9.94	-0.005666	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	30	-9.47	-0.005398	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	40	-9.66	-0.005506	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	50	-9.84	-0.005609	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-17.41	-0.010172	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	-16.87	-0.009857	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	-23.36	-0.013649	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-26.42	-0.015437	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-30.33	-0.017721	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	-27.97	-0.016342	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	-25.39	-0.014835	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	-26.64	-0.015565	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	-27.64	-0.016150	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-7.24	-0.004230	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	-5.61	-0.003278	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-10	-3.32	-0.001940	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	-6.62	-0.003868	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-4.76	-0.002781	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-3.82	-0.002232	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	30	-5.76	-0.003365	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	40	-5.09	-0.002974	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	50	-3.22	-0.001881	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-33.67	-0.019434	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-7.61	-0.004392	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	-18.67	-0.010776	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-29.74	-0.017166	±2.5	PASS

Band4	3MHz	QPSK	20175	15RB#0	NV	10	-35.76	-0.020641	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-45.38	-0.026193	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	14.88	0.008589	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	11.36	0.006557	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	3.15	0.001818	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	-18.91	-0.010915	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-15.86	-0.009154	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-10	-19.76	-0.011405	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-19.77	-0.011411	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-18.80	-0.010851	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	-14.88	-0.008589	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	30	-16.18	-0.009339	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	40	-14.00	-0.008081	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	50	-20.56	-0.011867	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	10.44	0.005954	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	7.58	0.004323	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	6.68	0.003810	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	5.46	0.003114	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	6.97	0.003975	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	4.45	0.002538	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-3.15	-0.001796	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	-7.78	-0.004437	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	-8.98	-0.005121	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	-18.28	-0.010425	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-18.10	-0.010322	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-10	-18.38	-0.010482	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	-16.34	-0.009319	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-16.69	-0.009518	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	-16.54	-0.009433	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	30	-9.08	-0.005178	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	40	-11.76	-0.006707	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	50	-5.04	-0.002874	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	-11.94	-0.006972	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	-11.67	-0.006815	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	-14.19	-0.008286	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	-21.50	-0.012555	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	-16.11	-0.009407	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	-9.38	-0.005477	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	-7.37	-0.004304	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	-10.51	-0.006137	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	50	-4.68	-0.002733	±2.5	PASS

Band4	5MHz	16QAM	19975	25RB#0	NV	-30	7.90	0.004613	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	7.87	0.004596	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-10	6.32	0.003691	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	8.68	0.005069	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	7.18	0.004193	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	6.97	0.004070	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	30	6.81	0.003977	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	40	3.20	0.001869	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	50	8.55	0.004993	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	-17.34	-0.010009	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-30.97	-0.017876	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	-41.31	-0.023844	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-5.85	-0.003377	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-25.05	-0.014459	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-26.78	-0.015457	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	-31.69	-0.018291	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-32.72	-0.018886	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-36.84	-0.021264	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	3.98	0.002297	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	-3.98	-0.002297	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-10	3.39	0.001957	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	4.23	0.002442	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	-2.98	-0.001720	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	-7.08	-0.004087	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	30	2.29	0.001322	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	40	-6.31	-0.003642	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	50	-9.66	-0.005576	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-29.11	-0.016611	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-31.51	-0.017980	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-31.34	-0.017883	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-36.71	-0.020947	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-30.30	-0.017290	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-33.22	-0.018956	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-31.71	-0.018094	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-27.47	-0.015675	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-29.61	-0.016896	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-17.21	-0.009820	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-12.45	-0.007104	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-10	-4.25	-0.002425	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	9.83	0.005609	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	11.06	0.006311	±2.5	PASS

Band4	5MHz	16QAM	20375	25RB#0	NV	20	19.31	0.011019	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	30	28.61	0.016325	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	40	33.45	0.019087	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	50	7.18	0.004097	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	19.13	0.011155	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	49.70	0.028980	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	42.73	0.024915	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-8.01	-0.004671	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	9.67	0.005638	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	17.08	0.009959	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-5.65	-0.003294	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	15.58	0.009085	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	18.51	0.010793	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	19.48	0.011359	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	5.69	0.003318	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-10	32.89	0.019178	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-13.63	-0.007948	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	-10.51	-0.006128	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-10.90	-0.006356	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	30	-3.75	-0.002187	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	40	11.33	0.006606	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	50	25.41	0.014816	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-13.13	-0.007579	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-32.83	-0.018949	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-13.45	-0.007763	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-40.15	-0.023175	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-19.50	-0.011255	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-33.20	-0.019163	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	5.24	0.003025	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-23.40	-0.013506	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-46.63	-0.026915	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-30	-6.12	-0.003532	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	6.29	0.003631	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-10	17.38	0.010032	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	23.56	0.013599	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	29.38	0.016958	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	20.36	0.011752	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	30	10.46	0.006038	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	40	11.27	0.006505	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	50	11.24	0.006488	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	39.64	0.022651	±2.5	PASS

Band4	10MHz	QPSK	20350	50RB#0	NV	-20	-7.37	-0.004211	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	-15.89	-0.009080	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	-27.15	-0.015514	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	-38.39	-0.021937	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-8.11	-0.004634	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	-16.06	-0.009177	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	-22.03	-0.012589	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	-22.42	-0.012811	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	-21.26	-0.012149	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	-18.40	-0.010514	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-10	-18.34	-0.010480	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	-30.43	-0.017389	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	-41.89	-0.023937	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	-20.96	-0.011977	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	30	-41.14	-0.023509	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	40	-25.75	-0.014714	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	50	-40.84	-0.023337	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	-44.69	-0.026020	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	12.13	0.007063	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	23.10	0.013450	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	30.60	0.017817	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	25.39	0.014783	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	14.75	0.008588	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	8.64	0.005031	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-4.81	-0.002801	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	-9.14	-0.005322	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	29.77	0.017333	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	39.20	0.022824	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-10	-4.03	-0.002346	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	20.90	0.012169	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	37.25	0.021689	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	19.94	0.011610	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	30	25.66	0.014940	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	40	35.78	0.020833	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	50	14.73	0.008576	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-35.71	-0.020612	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-6.02	-0.003475	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	-31.14	-0.017974	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-26.35	-0.015209	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-22.76	-0.013137	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-46.79	-0.027007	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	NV	30	-32.40	-0.018701	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	6.34	0.003659	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-30.90	-0.017835	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	-15.16	-0.008750	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	-23.42	-0.013518	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-10	-35.33	-0.020392	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	-15.66	-0.009039	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	-36.29	-0.020947	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-46.66	-0.026932	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	30	-16.26	-0.009385	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	40	-24.18	-0.013957	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	50	-33.39	-0.019273	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	18.61	0.010649	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	10.81	0.006186	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	6.42	0.003674	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-11.62	-0.006649	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-29.57	-0.016921	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-47.16	-0.026987	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	7.98	0.004567	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	40	-8.03	-0.004595	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	-13.75	-0.007868	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	-5.49	-0.003142	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	15.38	0.008801	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-10	16.18	0.009259	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	25.63	0.014667	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	29.23	0.016727	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	35.41	0.020263	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	30	37.62	0.021528	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	40	39.22	0.022443	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	50	34.68	0.019845	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-16.92	-0.009837	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-6.69	-0.003890	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	-6.88	-0.004000	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-4.95	-0.002878	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-4.95	-0.002878	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-6.51	-0.003785	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	-8.35	-0.004855	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	-10.03	-0.005831	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	-8.50	-0.004942	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	27.18	0.015802	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	43.70	0.025407	±2.5	PASS

Band4	20MHz	16QAM	20050	100RB#0	NV	-10	20.14	0.011709	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-4.62	-0.002686	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	14.36	0.008349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	18.90	0.010988	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	22.79	0.013250	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	23.09	0.013424	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	18.25	0.010610	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-17.41	-0.010049	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-23.00	-0.013276	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-34.60	-0.019971	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-42.03	-0.024260	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-10.91	-0.006297	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-17.35	-0.010014	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-16.81	-0.009703	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-20.76	-0.011983	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-22.46	-0.012964	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-8.10	-0.004675	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	4.51	0.002603	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	7.18	0.004144	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	9.28	0.005356	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	17.21	0.009934	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	12.82	0.007400	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	14.85	0.008571	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	14.08	0.008127	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	5.65	0.003261	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	5.12	0.002934	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-5.35	-0.003066	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-12.72	-0.007289	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-15.16	-0.008688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-21.46	-0.012298	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-31.17	-0.017862	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-35.99	-0.020625	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-46.25	-0.026504	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-8.43	-0.004831	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-31.93	-0.018298	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-31.80	-0.018223	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-31.24	-0.017903	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-35.05	-0.020086	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-4.39	-0.002516	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-5.81	-0.003330	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-4.53	-0.002596	±2.5	PASS

Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.58	-0.003198	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-10.14	-0.005811	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	PASS
Band4	3MHz	QPSK	19965	15RB#0	PASS
Band4	3MHz	16QAM	19965	15RB#0	PASS
Band4	3MHz	QPSK	20175	15RB#0	PASS
Band4	3MHz	16QAM	20175	15RB#0	PASS
Band4	3MHz	QPSK	20385	15RB#0	PASS
Band4	3MHz	16QAM	20385	15RB#0	PASS
Band4	5MHz	QPSK	19975	25RB#0	PASS
Band4	5MHz	16QAM	19975	25RB#0	PASS
Band4	5MHz	QPSK	20175	25RB#0	PASS
Band4	5MHz	16QAM	20175	25RB#0	PASS
Band4	5MHz	QPSK	20375	25RB#0	PASS
Band4	5MHz	16QAM	20375	25RB#0	PASS
Band4	10MHz	QPSK	20000	50RB#0	PASS
Band4	10MHz	16QAM	20000	50RB#0	PASS
Band4	10MHz	QPSK	20175	50RB#0	PASS
Band4	10MHz	16QAM	20175	50RB#0	PASS
Band4	10MHz	QPSK	20350	50RB#0	PASS
Band4	10MHz	16QAM	20350	50RB#0	PASS
Band4	15MHz	QPSK	20025	75RB#0	PASS
Band4	15MHz	16QAM	20025	75RB#0	PASS
Band4	15MHz	QPSK	20175	75RB#0	PASS
Band4	15MHz	16QAM	20175	75RB#0	PASS
Band4	15MHz	QPSK	20325	75RB#0	PASS
Band4	15MHz	16QAM	20325	75RB#0	PASS
Band4	20MHz	QPSK	20050	100RB#0	PASS
Band4	20MHz	16QAM	20050	100RB#0	PASS
Band4	20MHz	QPSK	20175	100RB#0	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS
Band4	20MHz	QPSK	20300	100RB#0	PASS
Band4	20MHz	16QAM	20300	100RB#0	PASS