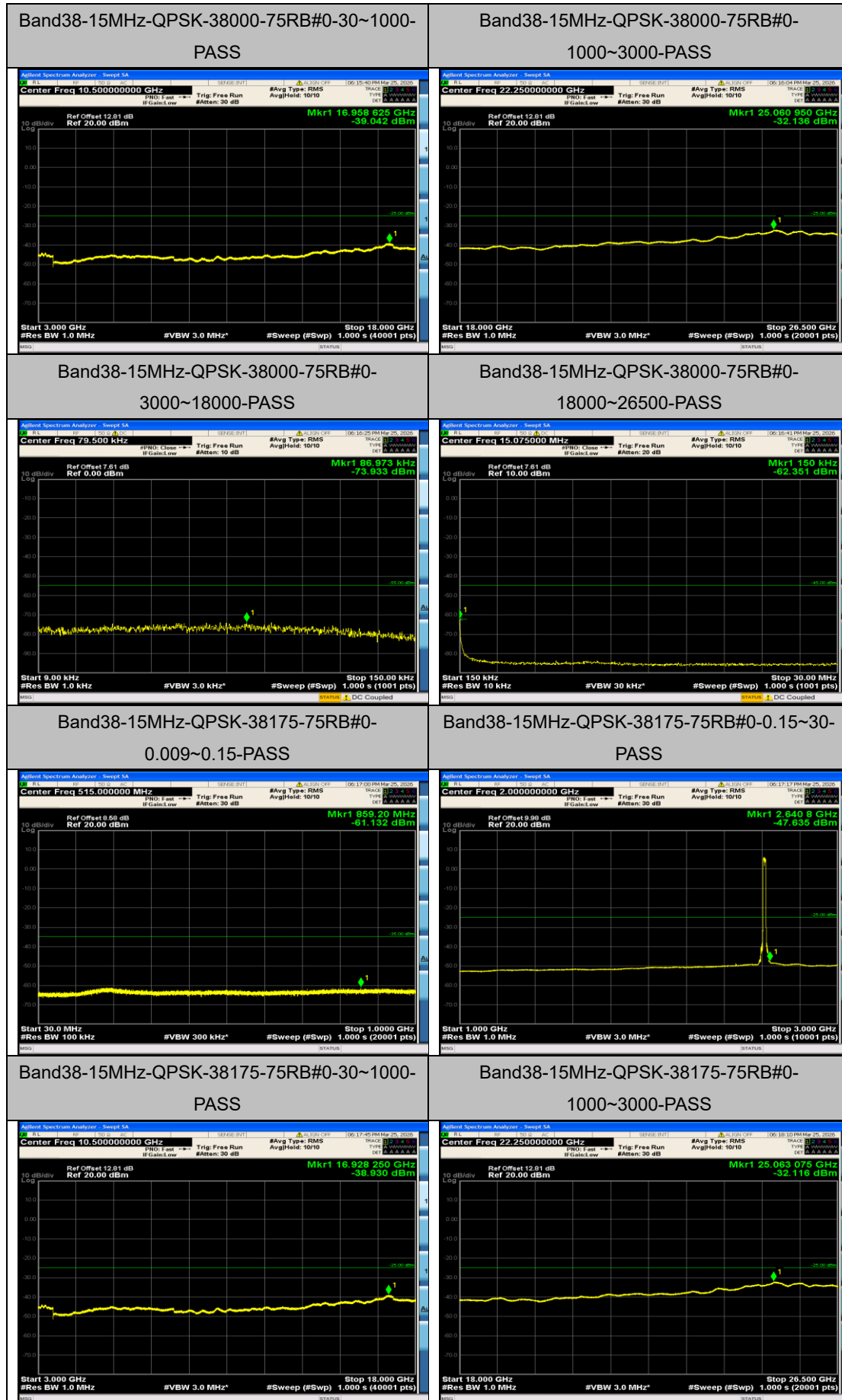
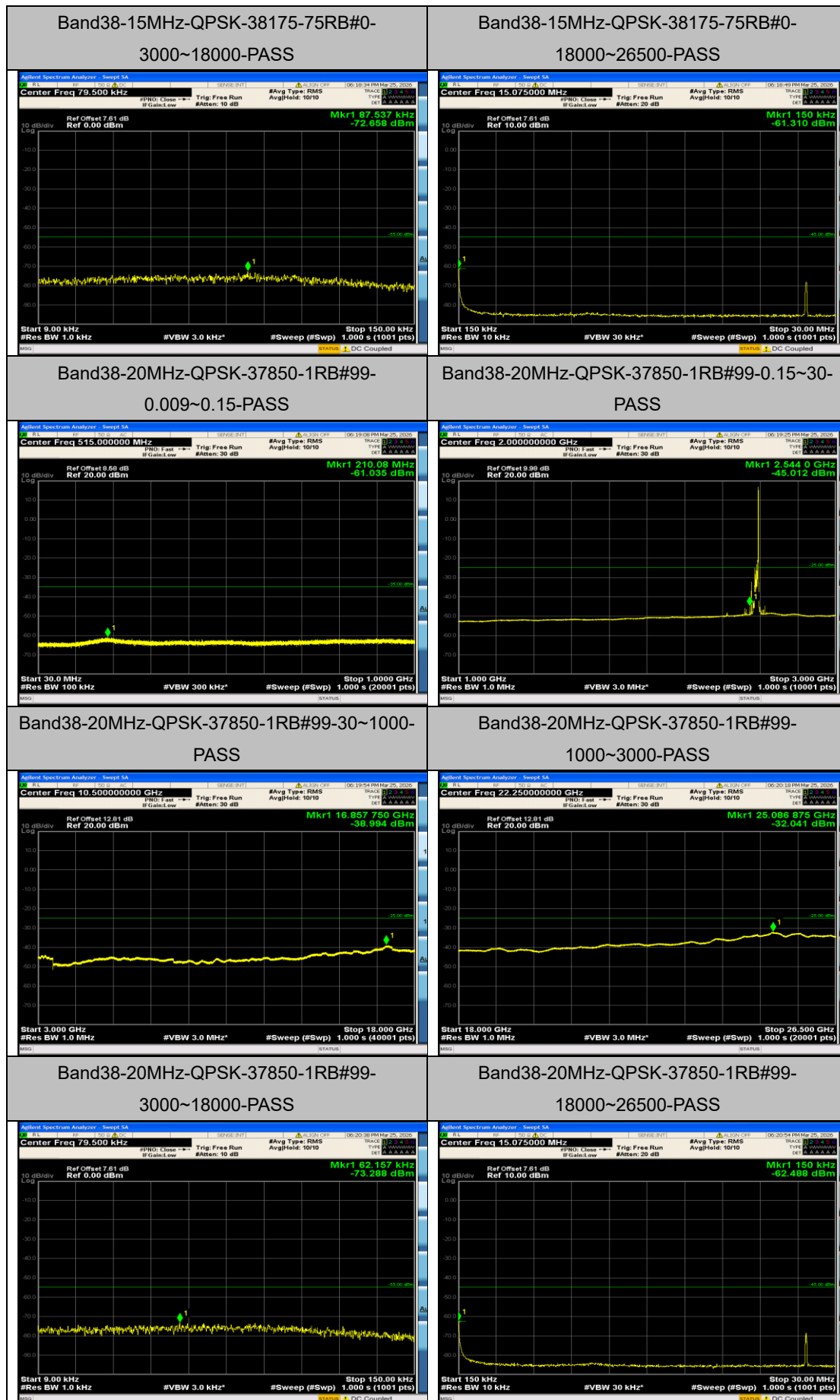
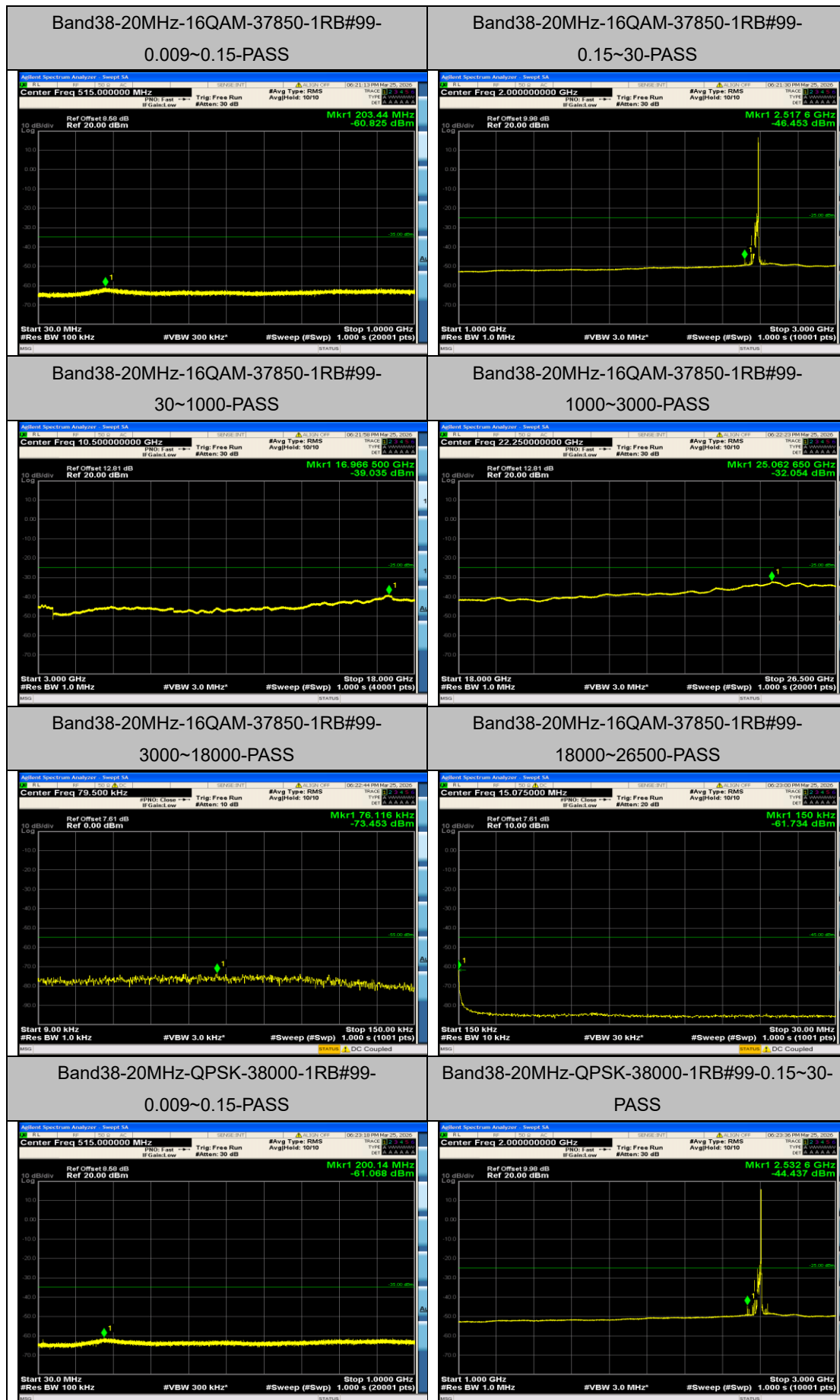
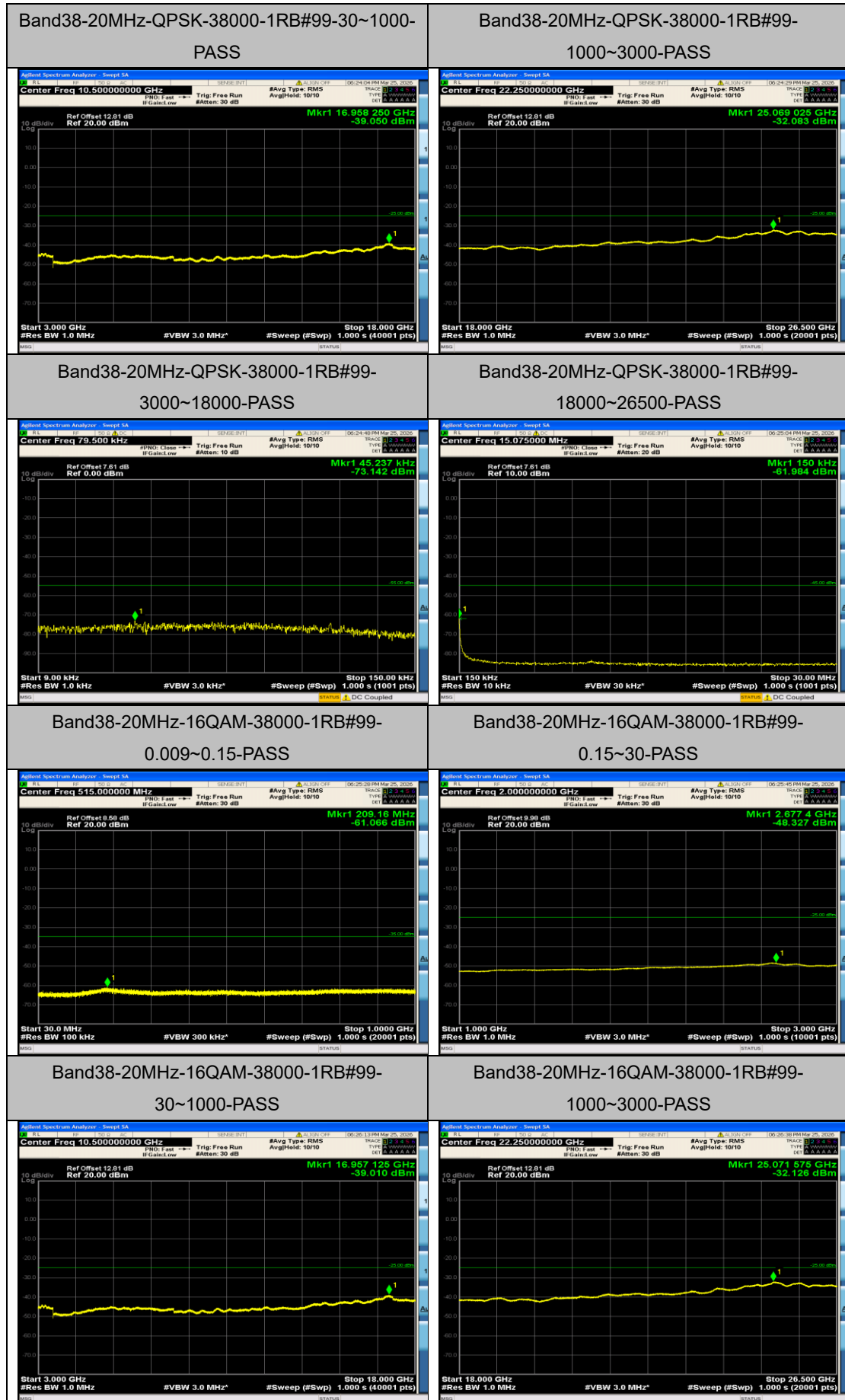
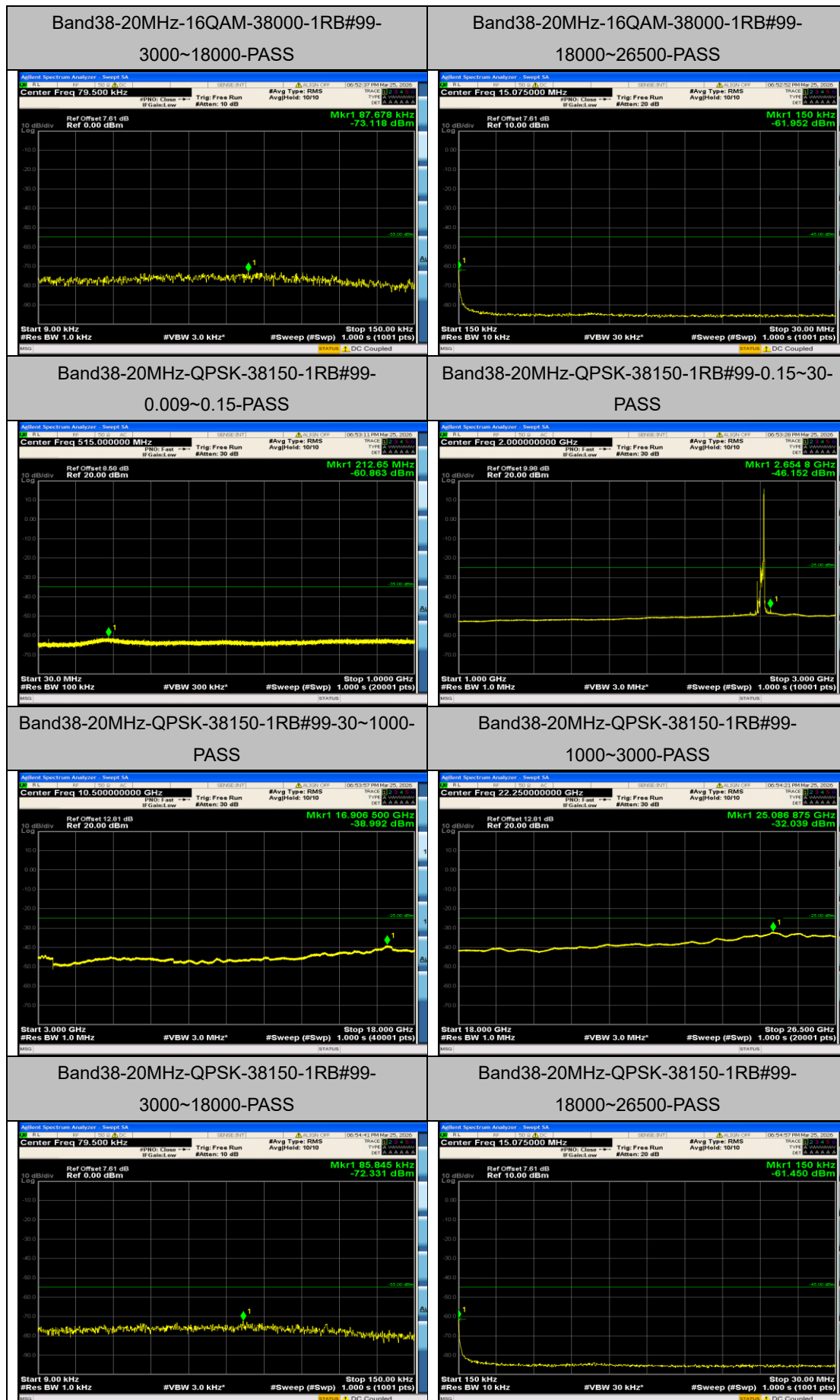


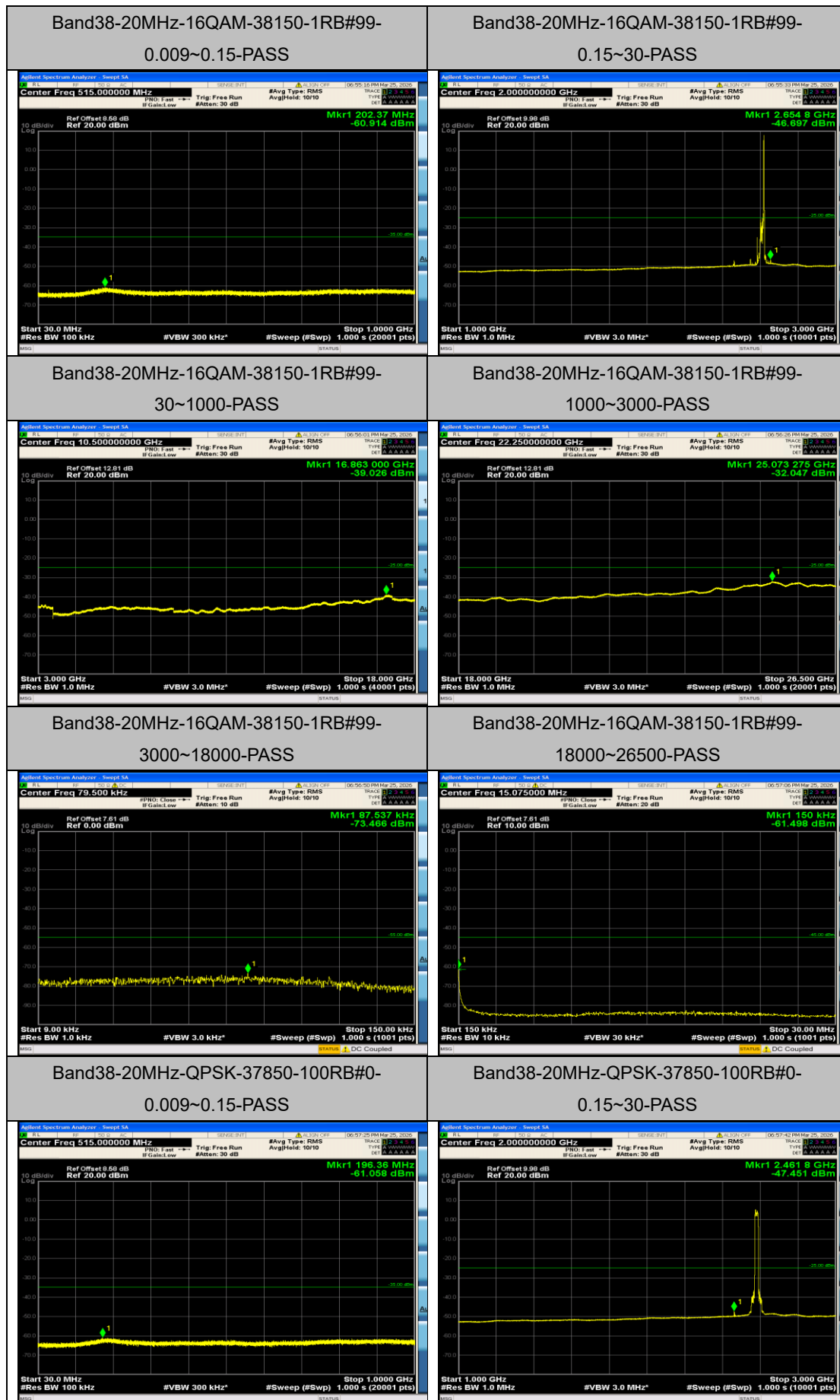


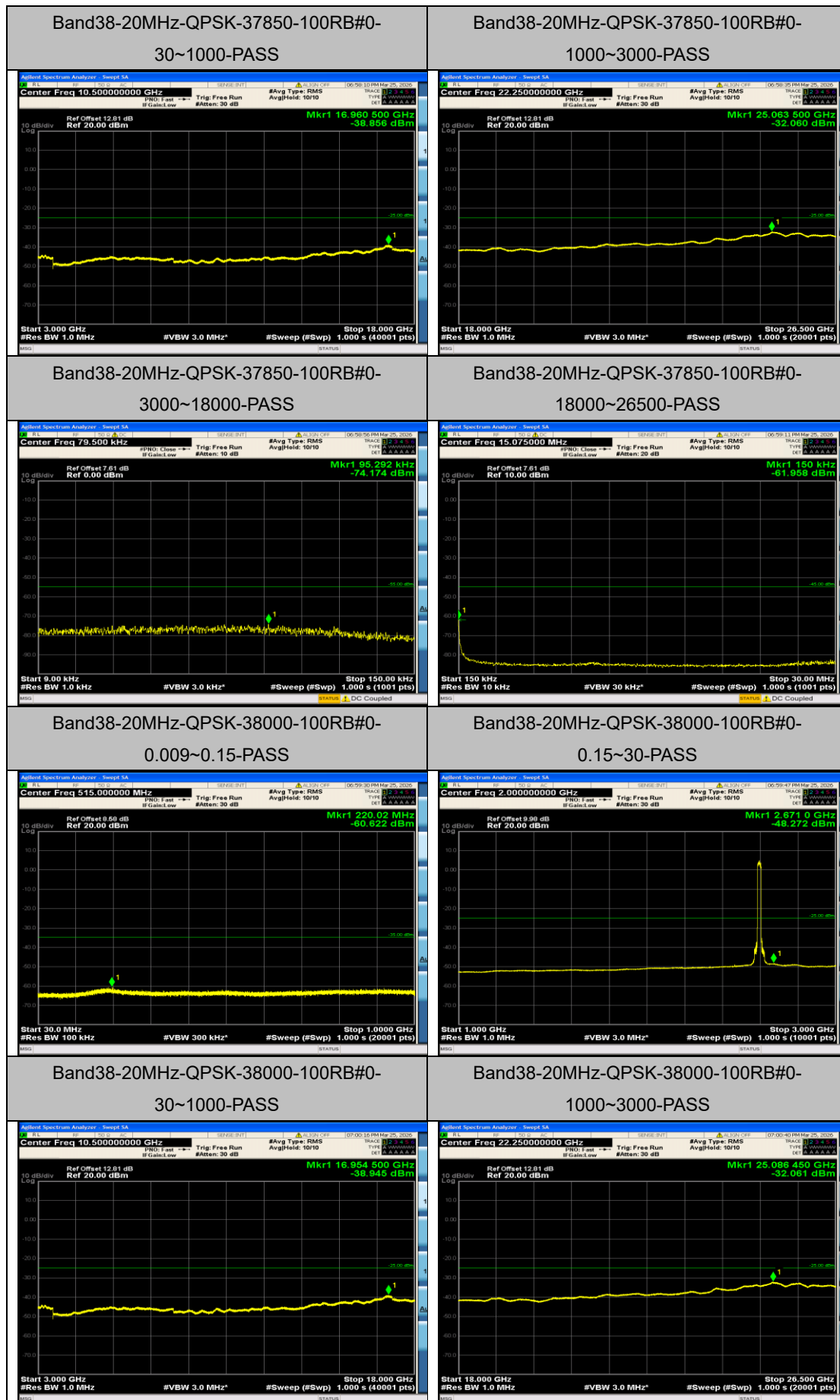


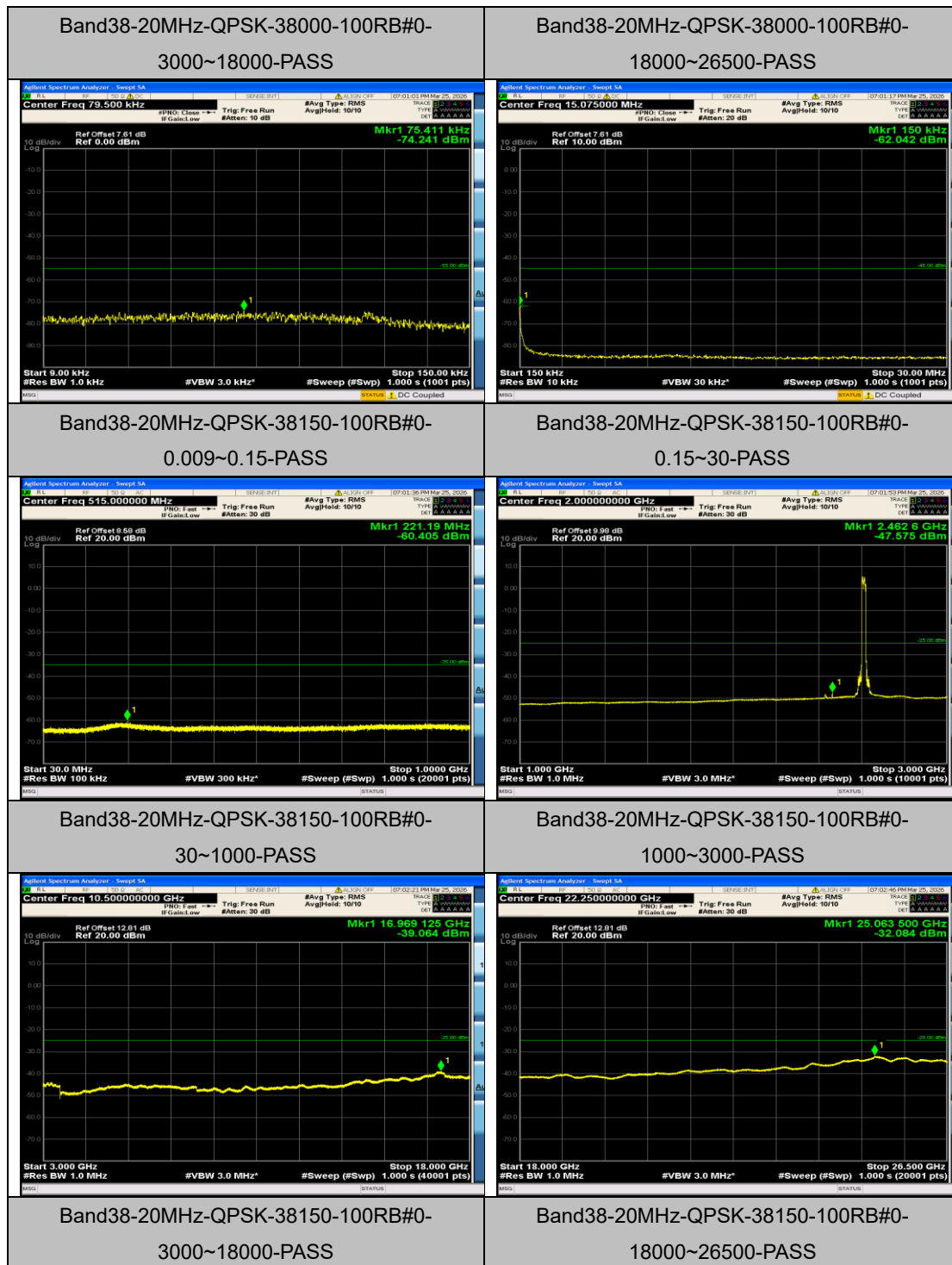












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	NV	-30	6.17	0.002398	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	4.73	0.001839	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-10	7.22	0.002807	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	0	8.35	0.003246	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	10	4.58	0.001780	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-5.29	-0.002056	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	30	6.24	0.002426	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	40	6.81	0.002647	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	50	8.17	0.003176	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-30	7.41	0.002880	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-20	3.83	0.001489	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-10	-5.55	-0.002157	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	0	3.98	0.001547	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	10	6.41	0.002492	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	20	5.19	0.002017	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	30	7.10	0.002760	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	40	7.40	0.002877	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	50	6.94	0.002698	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	4.05	0.001561	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	6.49	0.002501	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-10	6.91	0.002663	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	0	6.45	0.002486	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	10	10.39	0.004004	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	20	7.35	0.002832	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	30	12.89	0.004967	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	40	8.96	0.003453	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	50	7.42	0.002859	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-30	6.34	0.002443	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-20	15.29	0.005892	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-10	-7.55	-0.002909	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	0	9.36	0.003607	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	10	7.50	0.002890	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	20	8.78	0.003383	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	30	11.16	0.004301	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	40	-7.22	-0.002782	±2.5	PASS

Band38	5MHz	16QAM	38000	25RB#0	NV	50	6.82	0.002628	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	-5.74	-0.002193	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	8.03	0.003068	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-10	5.42	0.002071	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	0	-5.09	-0.001945	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	10	7.47	0.002854	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	20	8.65	0.003305	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	30	8.41	0.003213	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	40	7.18	0.002743	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	50	8.14	0.003110	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-30	7.21	0.002755	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-20	7.01	0.002678	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-10	9.66	0.003691	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	0	4.89	0.001868	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	10	-7.51	-0.002869	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	20	8.78	0.003354	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	30	7.71	0.002946	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	40	7.85	0.002999	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	50	-8.87	-0.003389	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	8.33	0.003235	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	8.48	0.003293	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-10	-4.58	-0.001779	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	0	-15.06	-0.005849	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	10	10.66	0.004140	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	20	7.44	0.002889	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	30	-8.77	-0.003406	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	40	-8.31	-0.003227	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	50	-18.65	-0.007243	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	10.29	0.003965	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	9.53	0.003672	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	9.03	0.003480	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	0	7.97	0.003071	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-13.40	-0.005164	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	14.13	0.005445	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	30	7.94	0.003060	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	40	-9.63	-0.003711	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	50	-6.84	-0.002636	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	10.51	0.004019	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	-7.64	-0.002922	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-10	-5.61	-0.002145	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	0	8.35	0.003193	±2.5	PASS

Band38	10MHz	QPSK	38200	50RB#0	NV	10	-6.42	-0.002455	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	20	-18.58	-0.007105	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	30	8.71	0.003331	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	40	12.22	0.004673	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	50	8.23	0.003147	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	-13.50	-0.005238	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	10.20	0.003957	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-10	-6.61	-0.002565	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	0	7.97	0.003092	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	10	-17.51	-0.006793	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	20	11.64	0.004516	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	30	10.90	0.004229	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	40	-8.20	-0.003181	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	50	-13.52	-0.005245	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	7.48	0.002882	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	12.47	0.004805	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-10	10.44	0.004023	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	0	-9.48	-0.003653	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	10	-8.50	-0.003276	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	20	8.71	0.003356	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	30	11.54	0.004447	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	40	5.35	0.002062	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	50	-14.38	-0.005541	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	8.43	0.003227	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	8.23	0.003150	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-10	10.51	0.004023	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	0	11.14	0.004264	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	10	10.23	0.003916	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	20	-7.90	-0.003024	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	30	13.62	0.005213	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	40	8.78	0.003361	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	50	10.47	0.004008	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	8.00	0.003101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	8.00	0.003101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	8.61	0.003337	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-7.41	-0.002872	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-10.53	-0.004081	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	7.85	0.003043	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-6.05	-0.002345	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	8.37	0.003244	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-13.32	-0.005163	±2.5	PASS

Band38	20MHz	QPSK	38000	100RB#0	NV	-30	7.81	0.003010	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	9.00	0.003468	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-9.28	-0.003576	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-9.66	-0.003723	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-5.68	-0.002189	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	9.94	0.003830	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-4.81	-0.001854	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	7.48	0.002882	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-17.42	-0.006713	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	11.22	0.004299	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	11.40	0.004368	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	11.67	0.004471	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-13.59	-0.005207	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	11.50	0.004406	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	11.43	0.004379	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-8.63	-0.003307	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-7.42	-0.002843	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	9.50	0.003640	±2.5	PASS