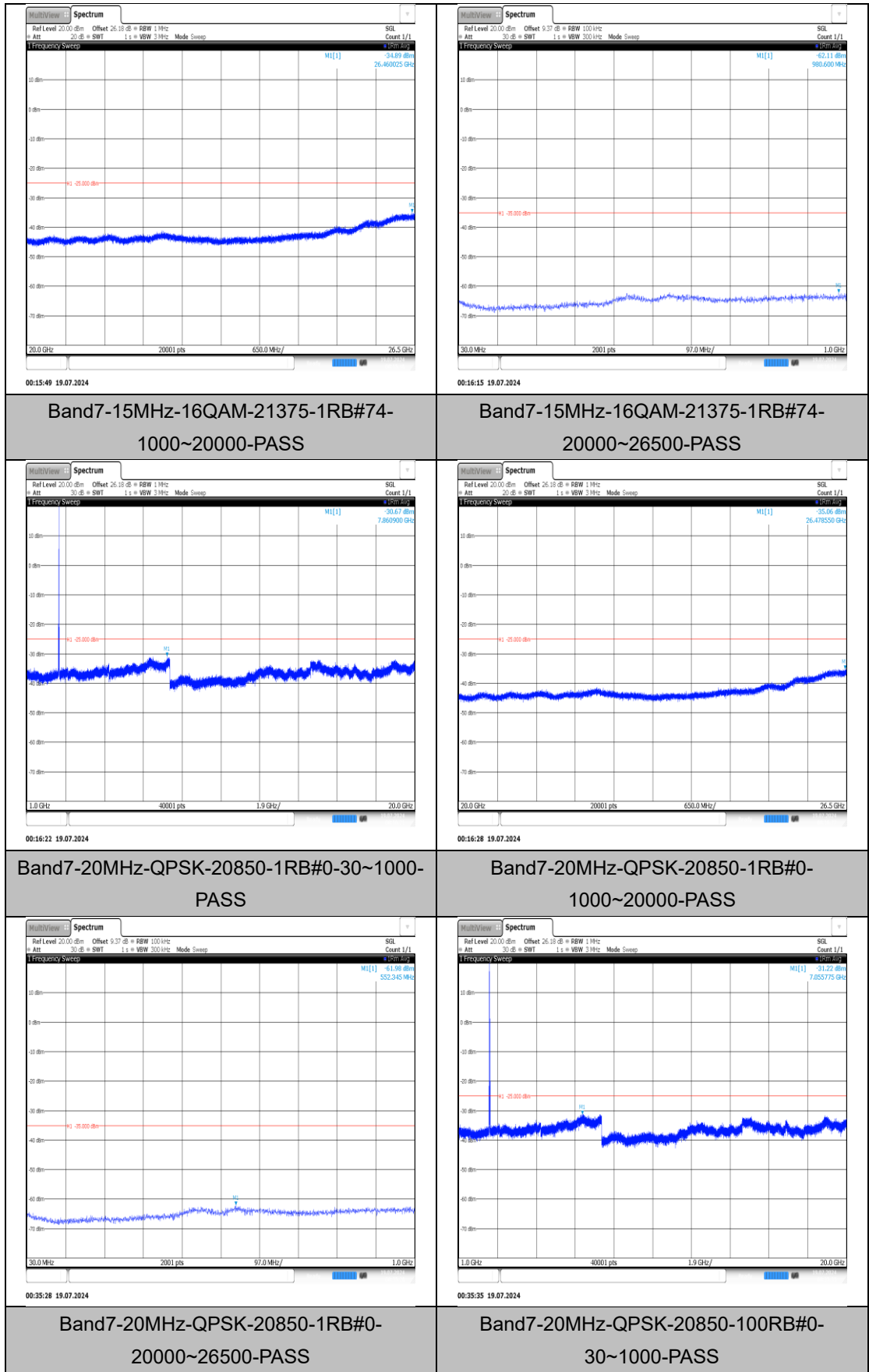
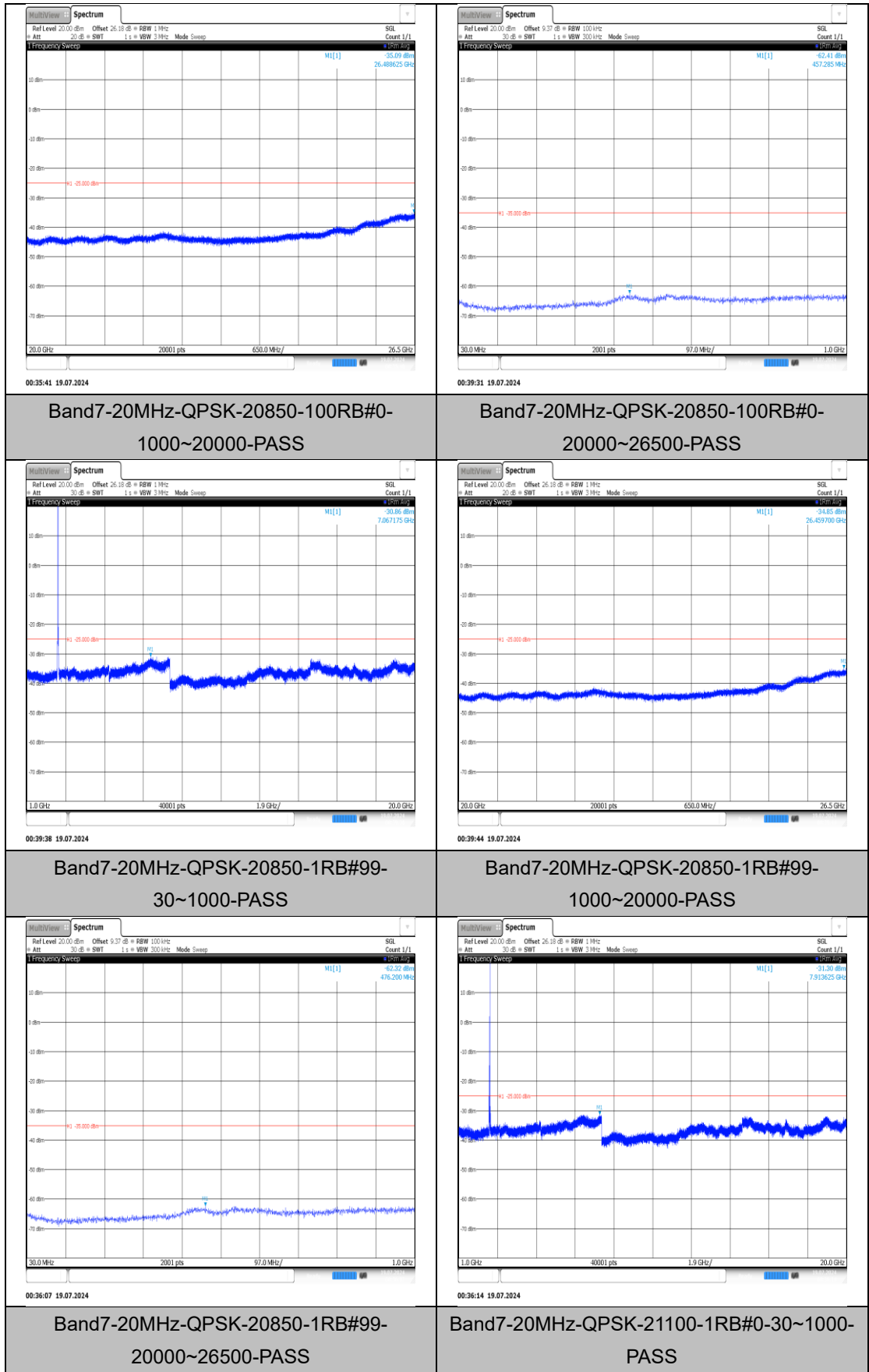
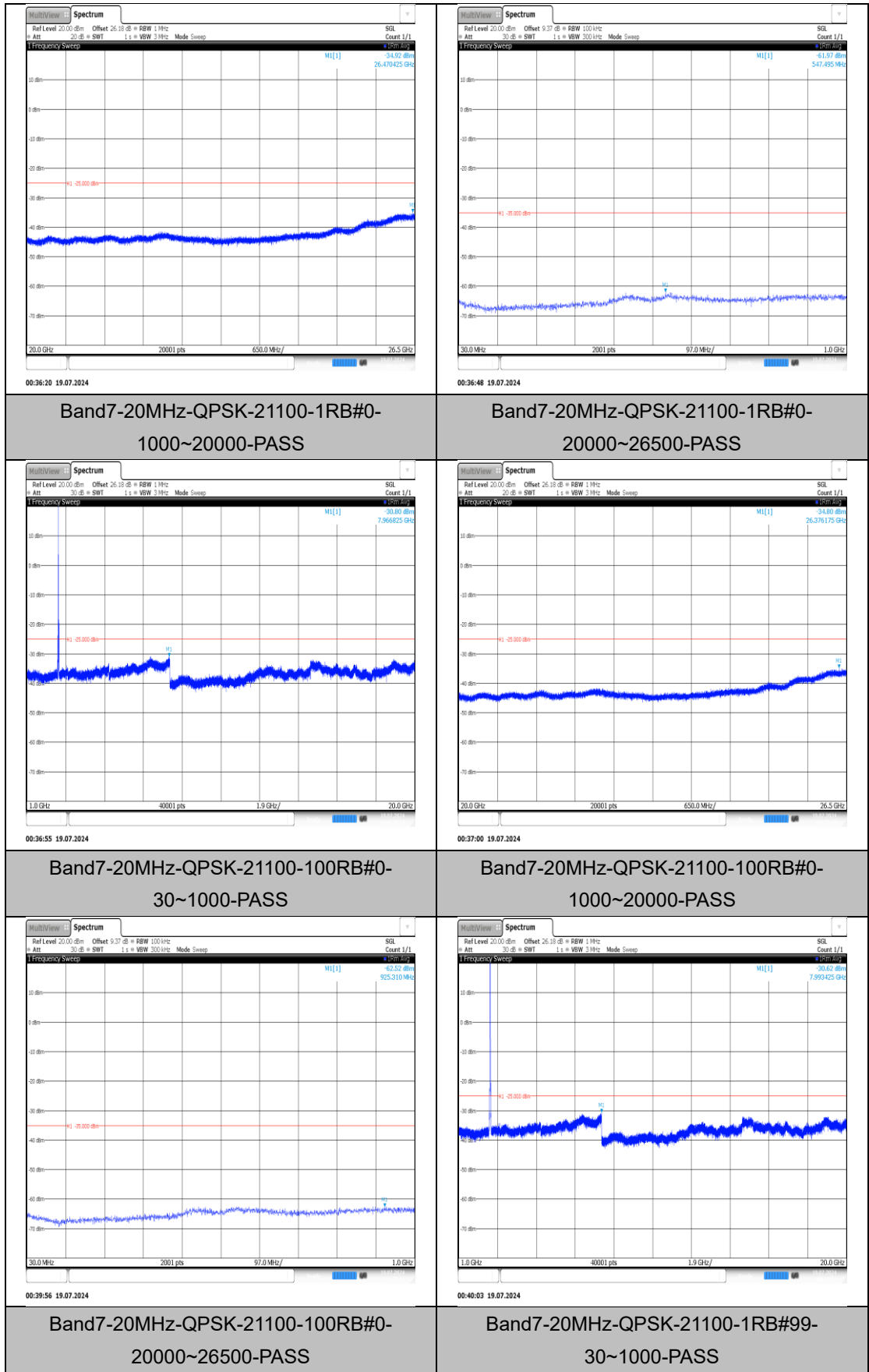
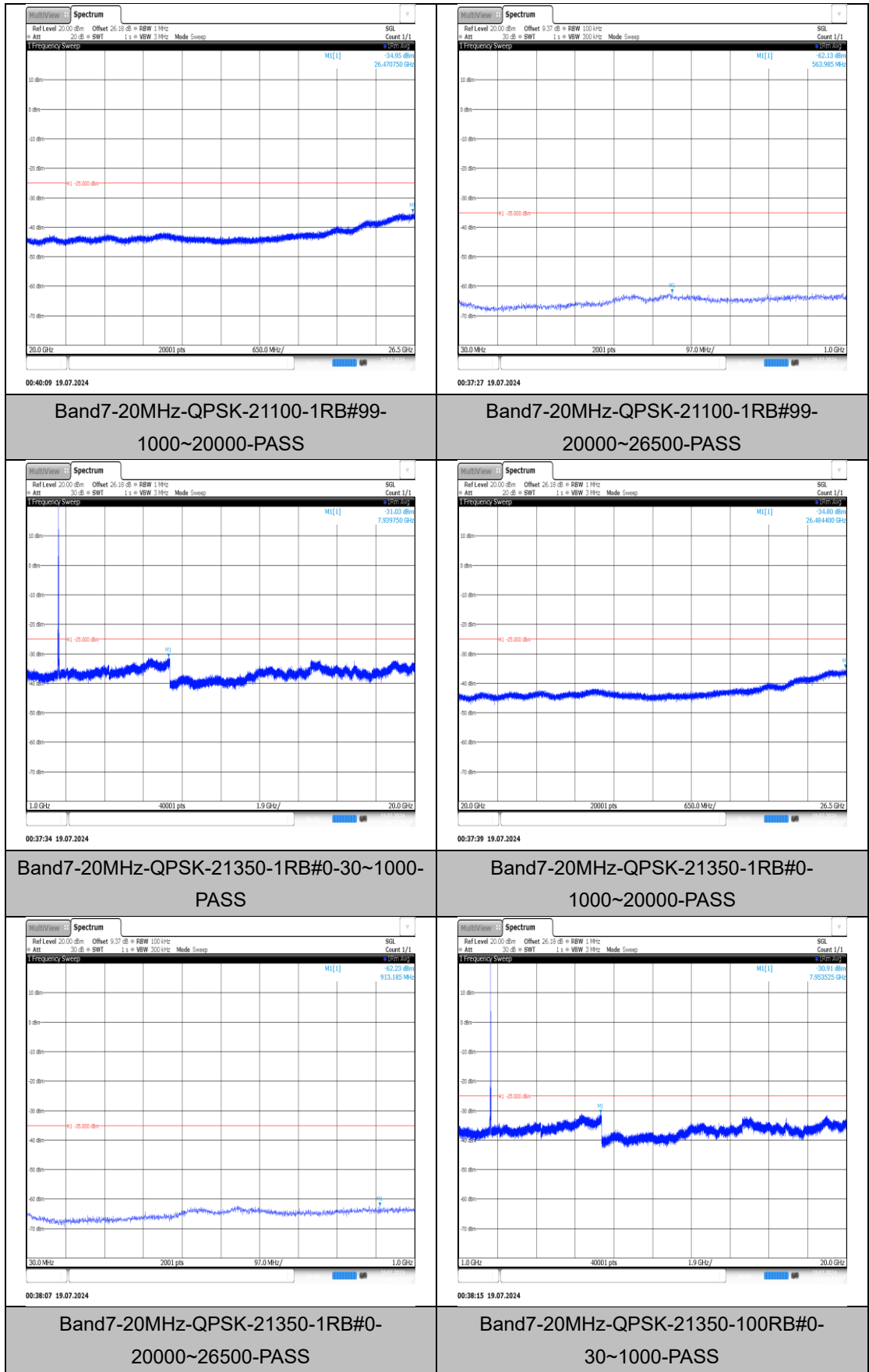
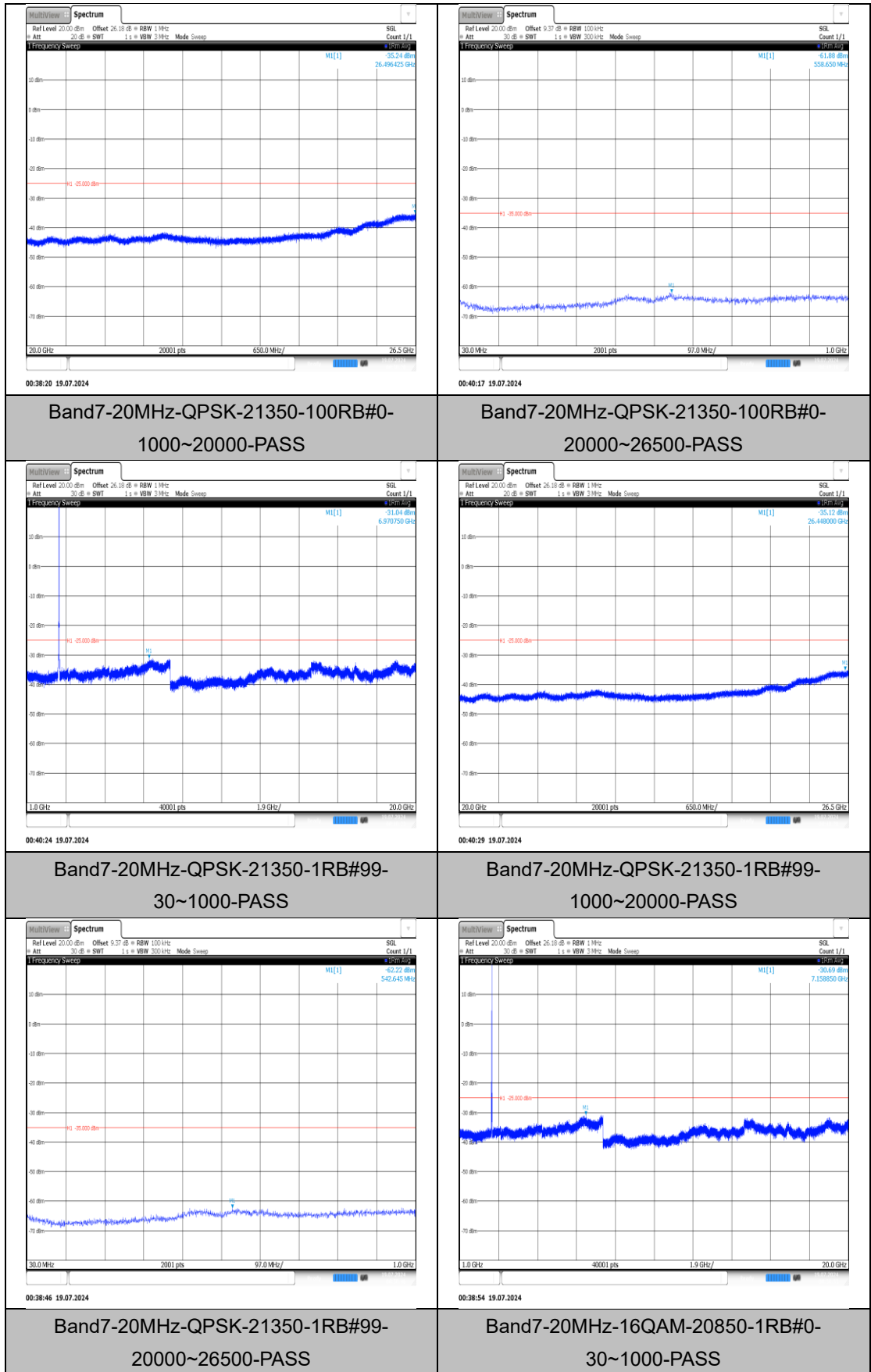


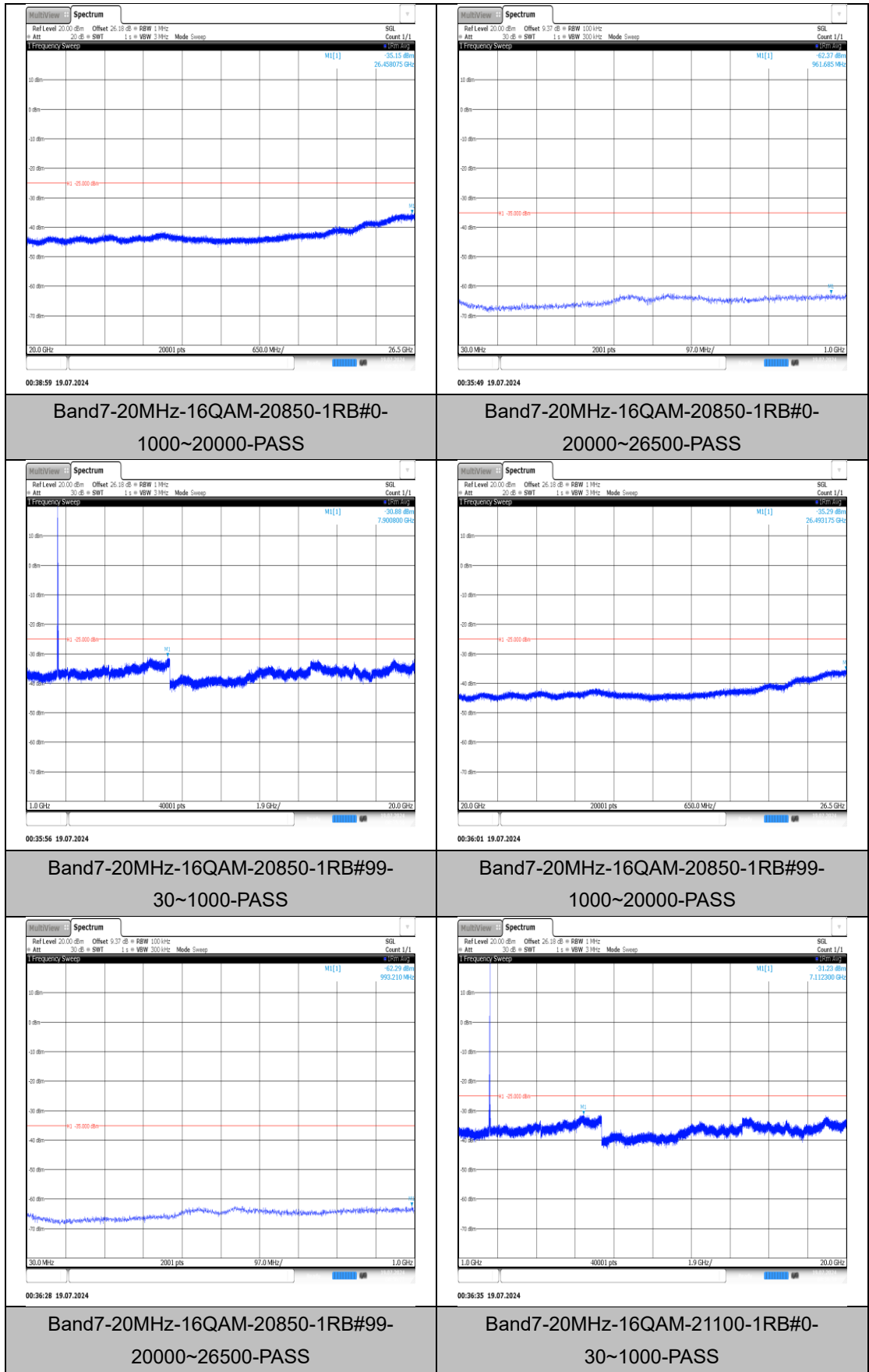


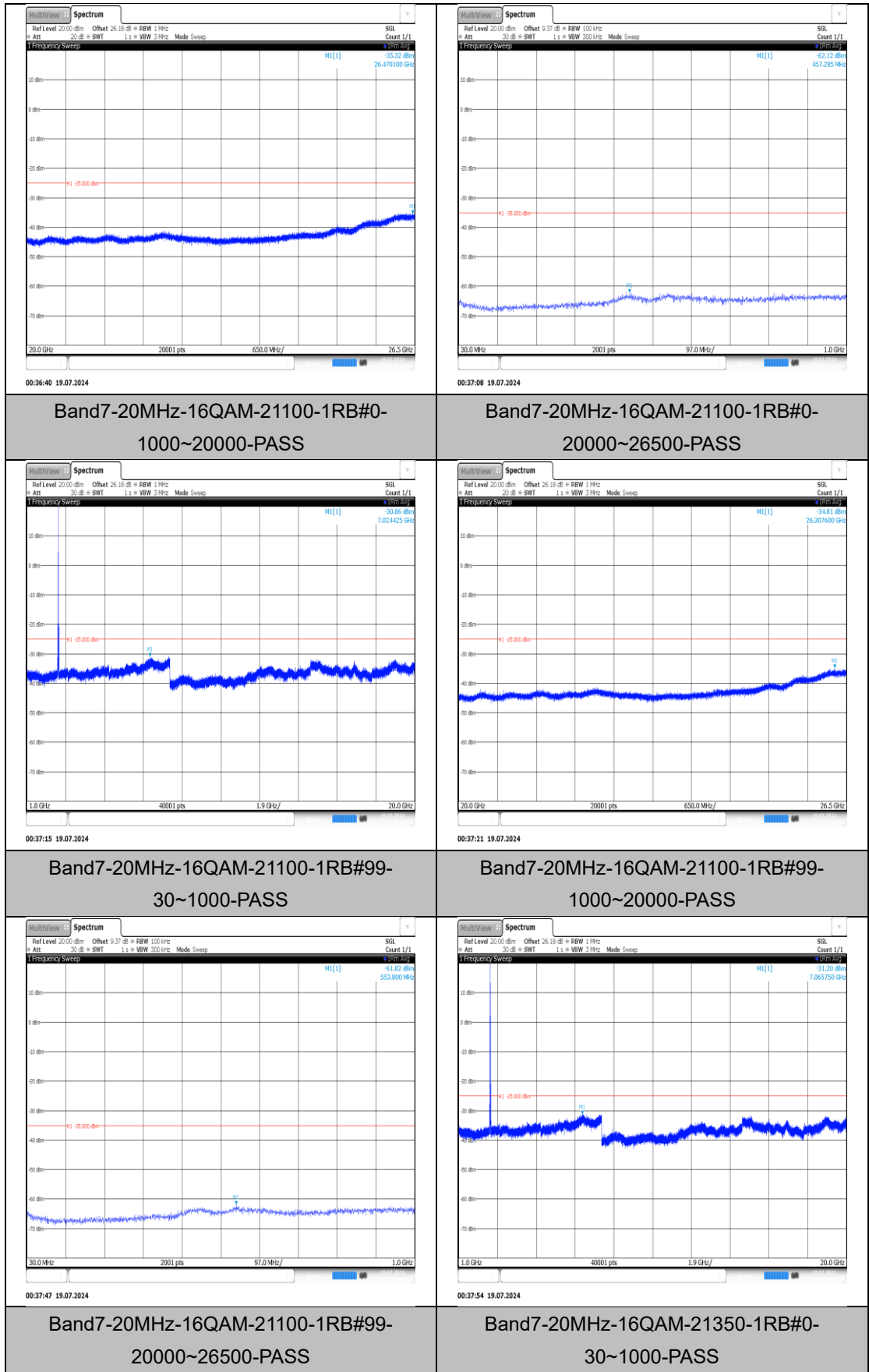


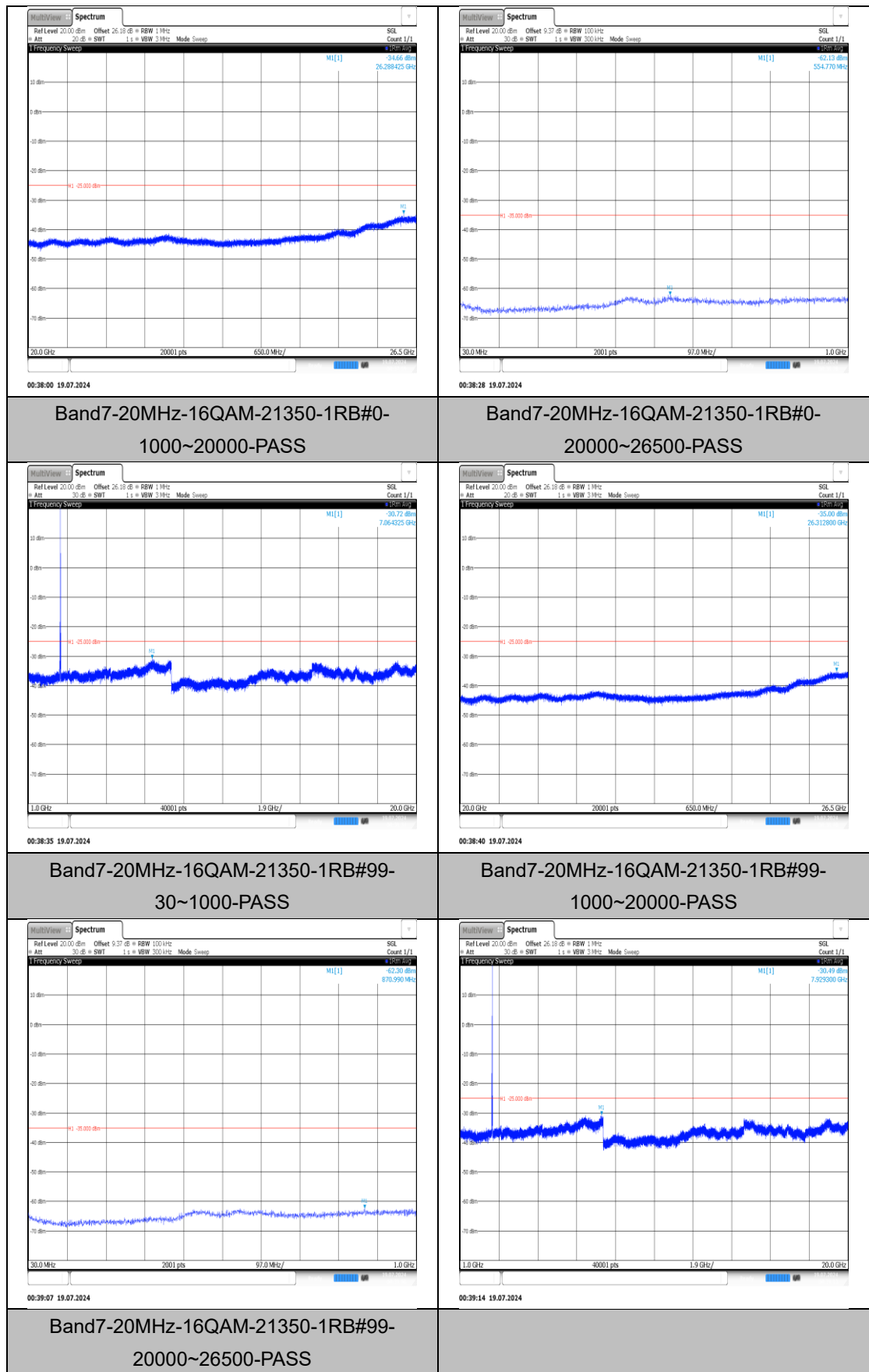


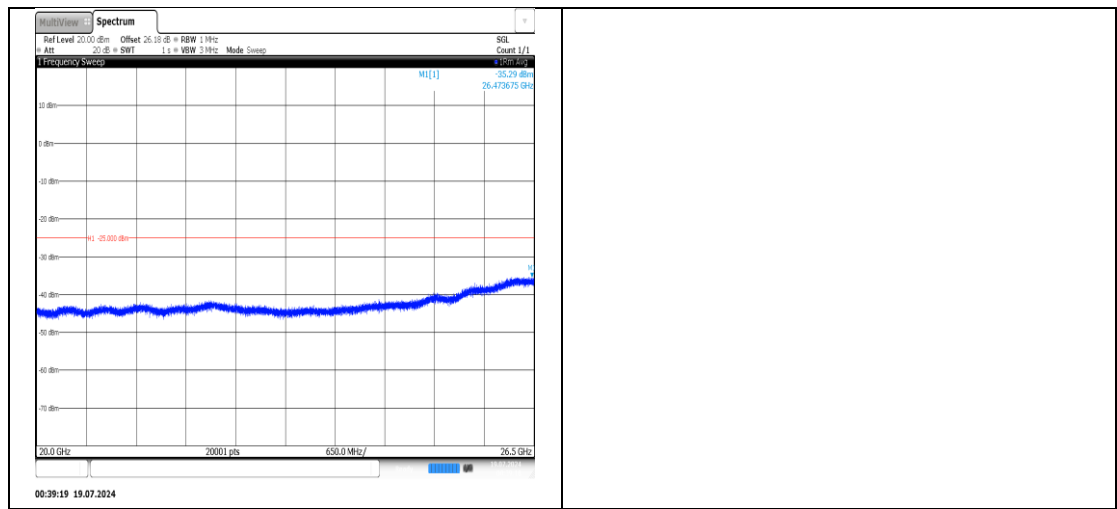












Appendix E: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-900.00	-0.359640	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-100.00	-0.039960	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	450.00	0.179820	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-1400.00	-0.552268	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	150.00	0.059172	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	250.00	0.098619	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-700.00	-0.272639	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	1400.00	0.545278	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-4000.00	-1.557936	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-1400.00	-0.559441	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	-700.00	-0.279720	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-650.00	-0.259740	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	500.00	0.197239	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	0.00	0.000000	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	200.00	0.078895	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-1300.00	-0.506329	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-250.00	-0.097371	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	2200.00	0.856865	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-900.00	-0.359281	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-650.00	-0.259481	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-4850.00	-1.936128	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	850.00	0.335306	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	650.00	0.256410	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	1450.00	0.571992	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-4600.00	-1.793372	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-300.00	-0.116959	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-4450.00	-1.734893	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-5400.00	-2.153539	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-2700.00	-1.076770	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-1600.00	-0.638086	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	8150.00	3.214990	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	250.00	0.098619	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	1350.00	0.532544	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	-8600.00	-3.356098	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-8450.00	-3.297561	±NA	PASS

Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-6400.00	-2.497561	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1800.00	0.717131	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-2550.00	-1.015936	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-250.00	-0.099602	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	15200.00	5.996055	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	22550.00	8.895464	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	17450.00	6.883629	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-7550.00	-2.949219	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-5850.00	-2.285156	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-6150.00	-2.402344	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	100.00	0.039960	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	1900.00	0.759241	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	-2000.00	-0.799201	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	1200.00	0.479520	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	450.00	0.179820	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-4350.00	-1.738262	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	50.00	0.019980	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	2400.00	0.959041	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	4300.00	1.718282	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	1400.00	0.552268	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-500.00	-0.197239	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-10	1650.00	0.650888	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	1000.00	0.394477	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	350.00	0.138067	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-700.00	-0.276134	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	1400.00	0.552268	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	2150.00	0.848126	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	50	-2700.00	-1.065089	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-450.00	-0.175268	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	100.00	0.038948	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	1950.00	0.759494	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-1300.00	-0.506329	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	2500.00	0.973710	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-800.00	-0.311587	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	2300.00	0.895813	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	-2400.00	-0.934761	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	2050.00	0.798442	±NA	PASS

Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-650.00	-0.259740	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	0.00	0.000000	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	350.00	0.139860	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	1400.00	0.559441	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-1450.00	-0.579421	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	2750.00	1.098901	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	700.00	0.279720	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	2050.00	0.819181	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	750.00	0.299700	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-850.00	-0.335306	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	250.00	0.098619	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	900.00	0.355030	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	650.00	0.256410	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-900.00	-0.355030	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	1200.00	0.473373	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	1450.00	0.571992	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	-200.00	-0.078895	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	50	-1550.00	-0.611440	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-1150.00	-0.447907	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	1000.00	0.389484	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	3650.00	1.421616	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	800.00	0.311587	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	1550.00	0.603700	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	1250.00	0.486855	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	1650.00	0.642648	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	650.00	0.253165	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	550.00	0.214216	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-3500.00	-1.397206	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-3800.00	-1.516966	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	950.00	0.379242	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	1100.00	0.439122	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-6600.00	-2.634731	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	150.00	0.059880	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	3250.00	1.297405	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	1900.00	0.758483	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	3750.00	1.497006	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	5700.00	2.248521	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-1300.00	-0.512821	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	2750.00	1.084813	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-2150.00	-0.848126	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	4400.00	1.735700	±NA	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	20	1000.00	0.394477	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	1350.00	0.532544	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	1100.00	0.433925	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	2750.00	1.084813	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-2500.00	-0.974659	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	50.00	0.019493	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	1850.00	0.721248	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-2600.00	-1.013645	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-650.00	-0.253411	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-2550.00	-0.994152	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	-1450.00	-0.565302	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	1450.00	0.565302	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	-2350.00	-0.916179	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-2850.00	-1.136590	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	2100.00	0.837488	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-10	-4750.00	-1.894317	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-9950.00	-3.968096	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	1200.00	0.478564	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	2050.00	0.817547	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	-2700.00	-1.076770	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	-850.00	-0.338983	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	950.00	0.378863	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	8700.00	3.431953	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	10900.00	4.299803	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	9050.00	3.570020	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	6050.00	2.386588	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	3400.00	1.341223	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	550.00	0.216963	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	30	3000.00	1.183432	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	11300.00	4.457594	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	2400.00	0.946746	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	-4950.00	-1.931707	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-6250.00	-2.439024	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	-9800.00	-3.824390	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-6450.00	-2.517073	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-2500.00	-0.975610	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-10800.00	-4.214634	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	-1000.00	-0.390244	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	-11650.00	-4.546341	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	-6700.00	-2.614634	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-5250.00	-2.091633	±NA	PASS

Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-9400.00	-3.745020	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-8650.00	-3.446215	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-5650.00	-2.250996	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	3950.00	1.573705	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	1700.00	0.677291	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-3700.00	-1.474104	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-5600.00	-2.231076	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-6650.00	-2.649402	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	8700.00	3.431953	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	18850.00	7.435897	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	14550.00	5.739645	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	6500.00	2.564103	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	15600.00	6.153846	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	19750.00	7.790927	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	5450.00	2.149901	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	8650.00	3.412229	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	22200.00	8.757396	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-10650.00	-4.160156	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-6650.00	-2.597656	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-10200.00	-3.984375	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-50.00	-0.019531	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-3200.00	-1.250000	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-5850.00	-2.285156	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-10350.00	-4.042969	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-13550.00	-5.292969	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-6500.00	-2.539063	±NA	PASS