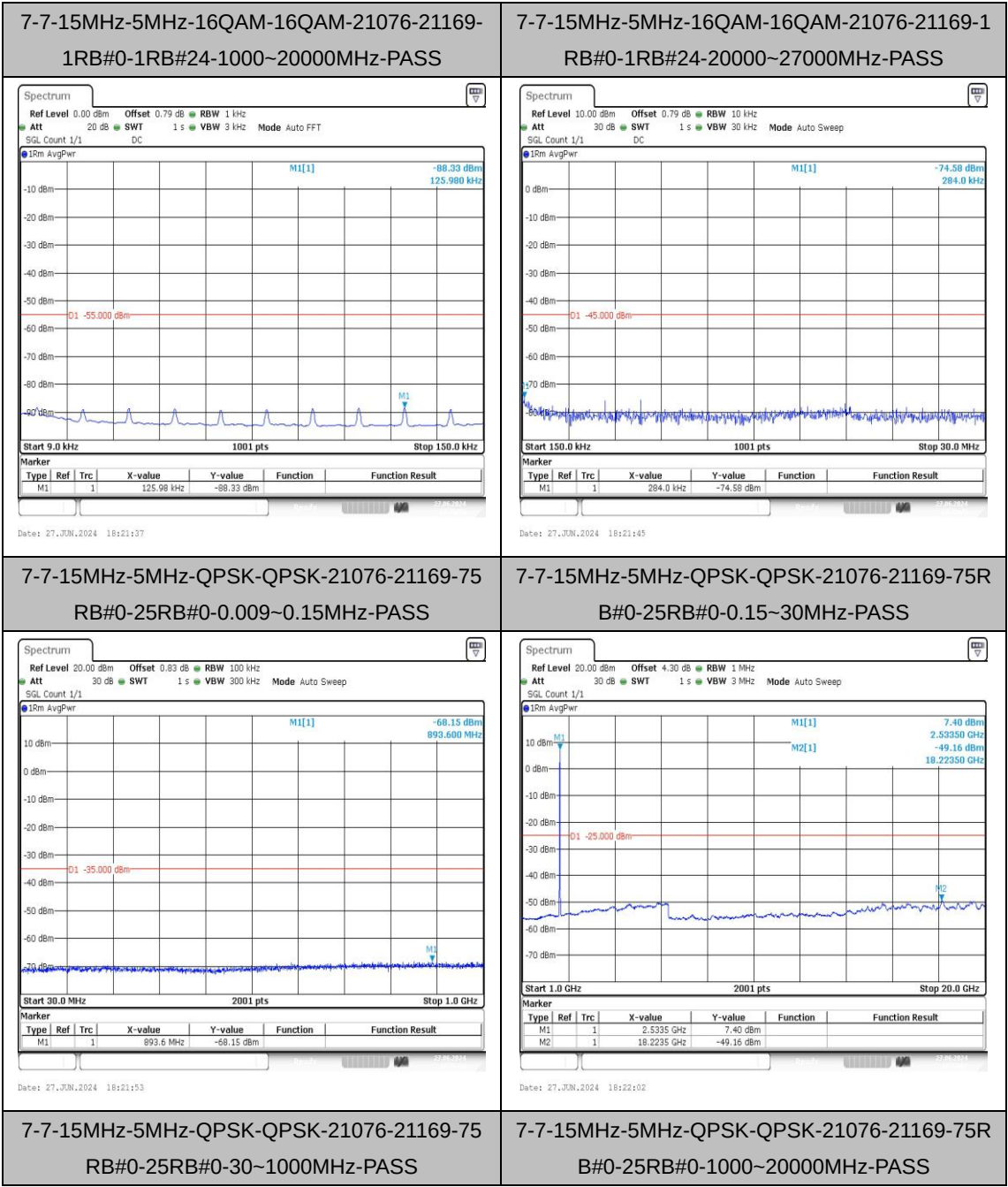
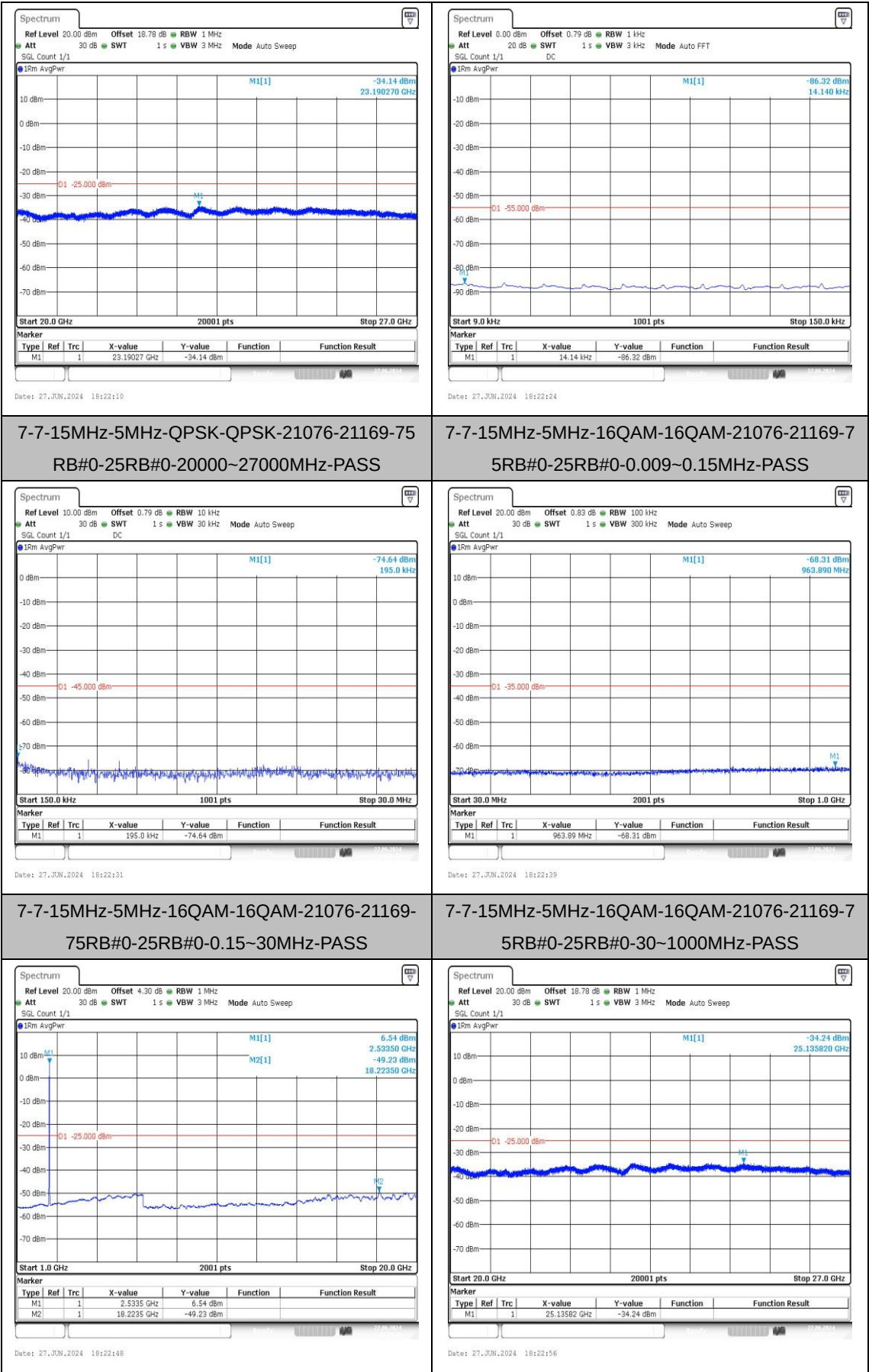
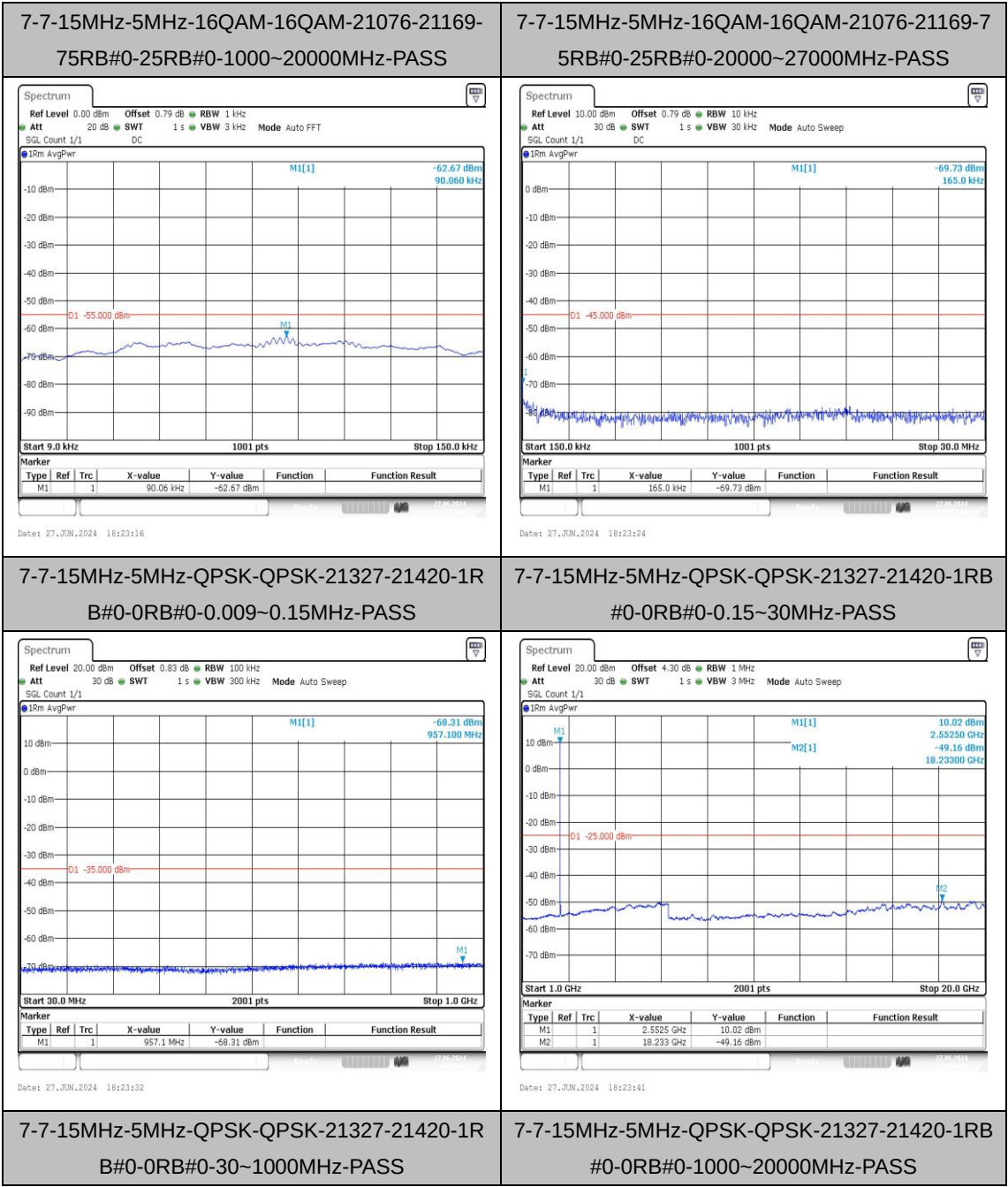
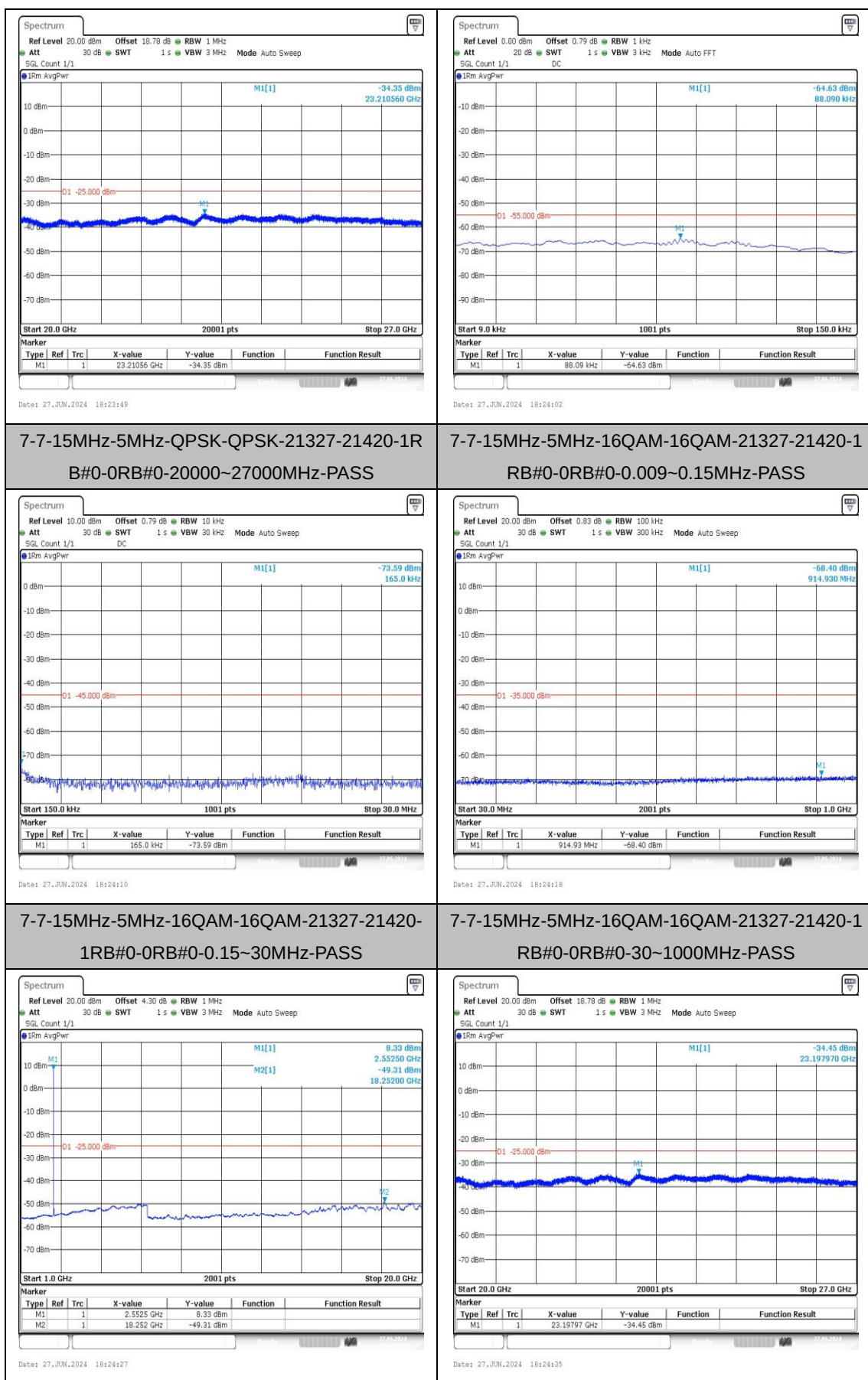
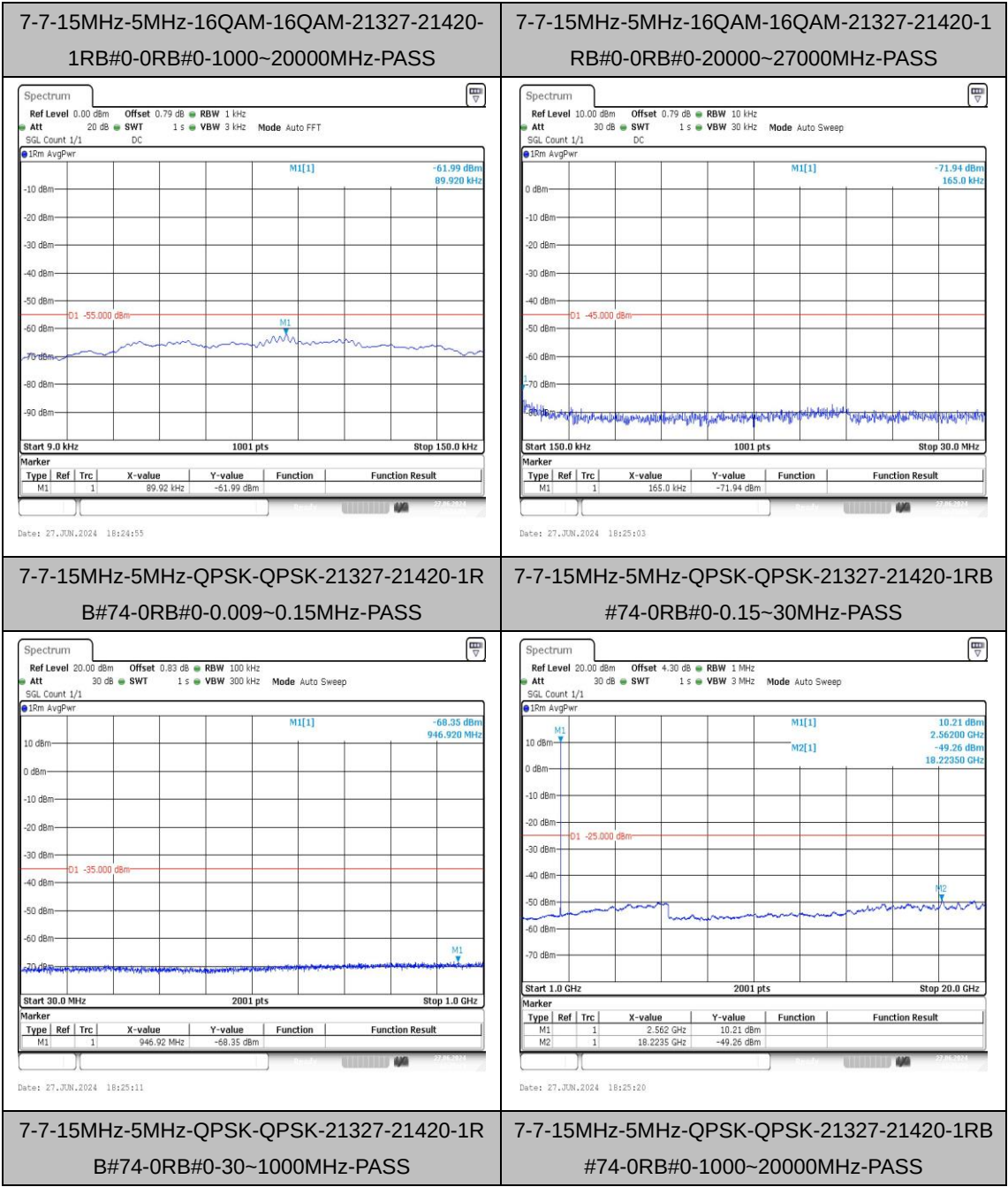


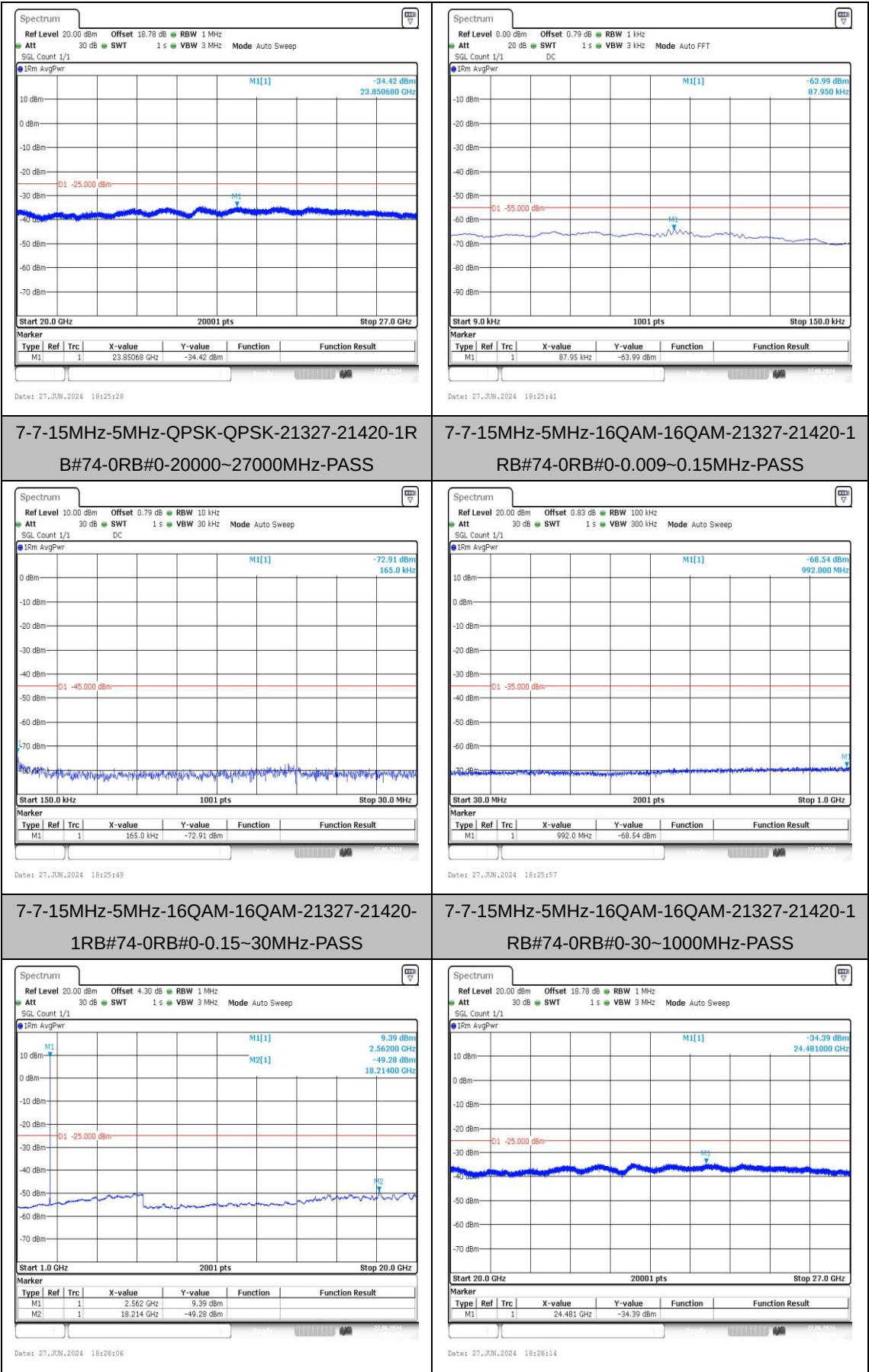


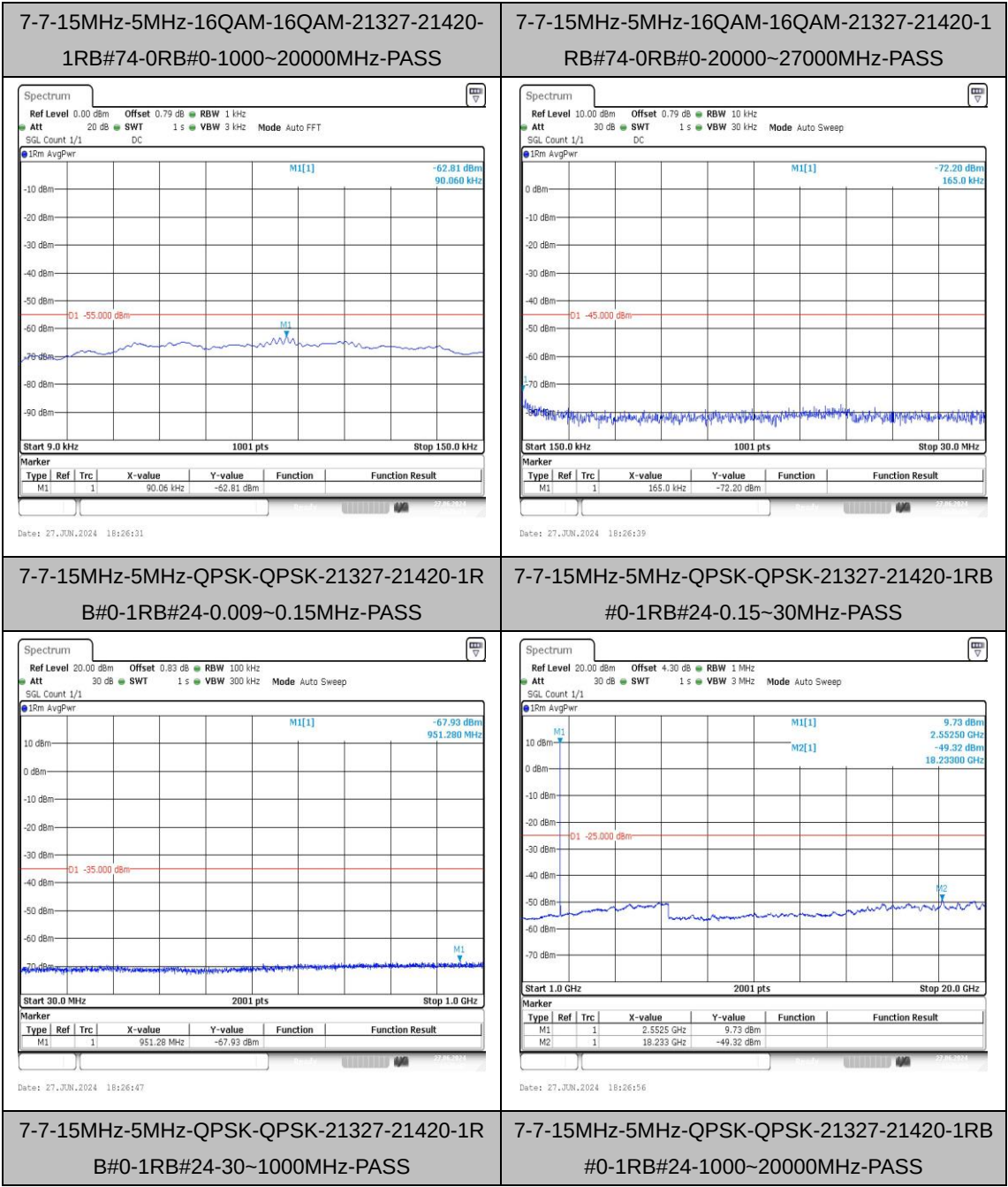


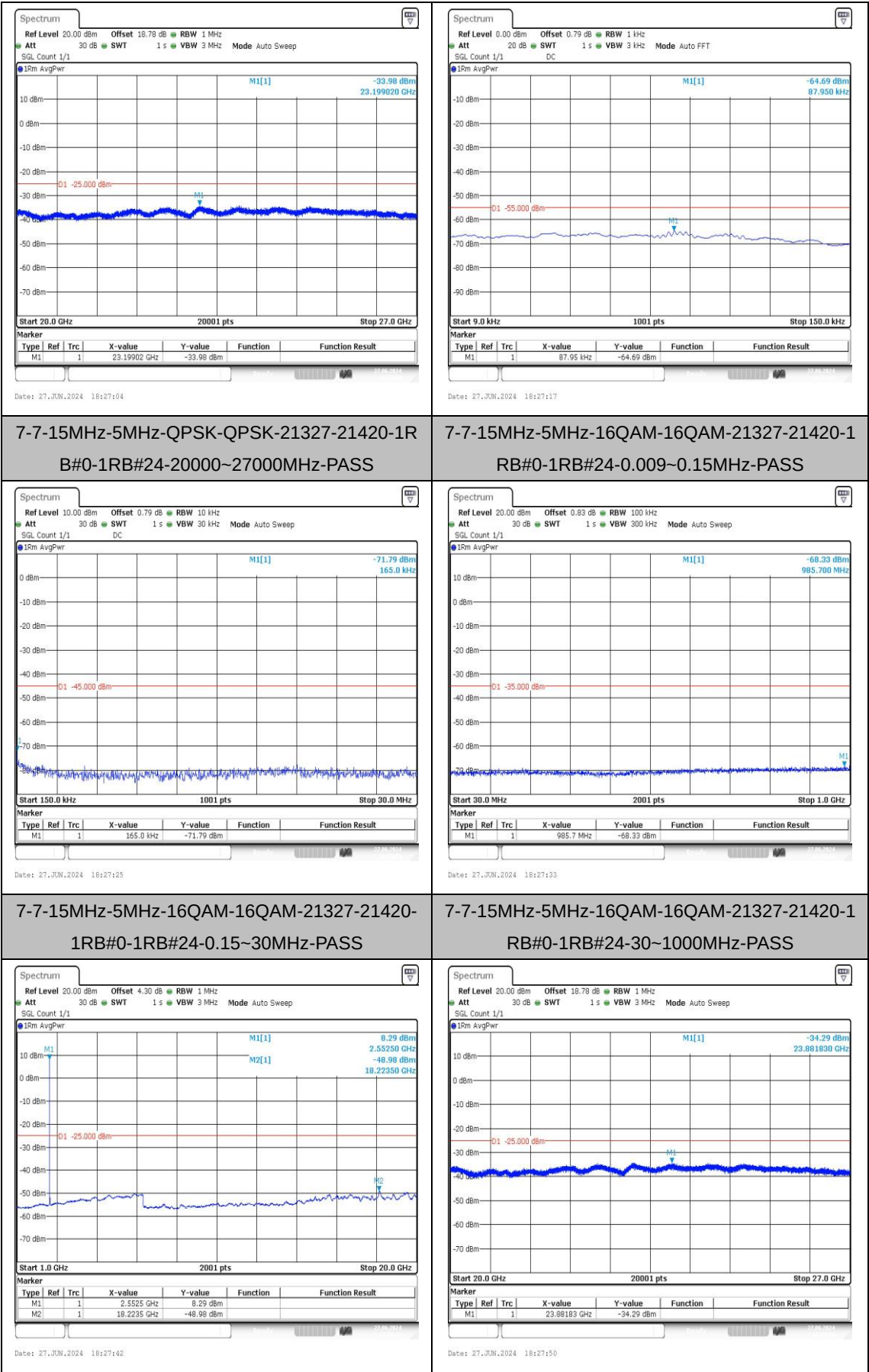


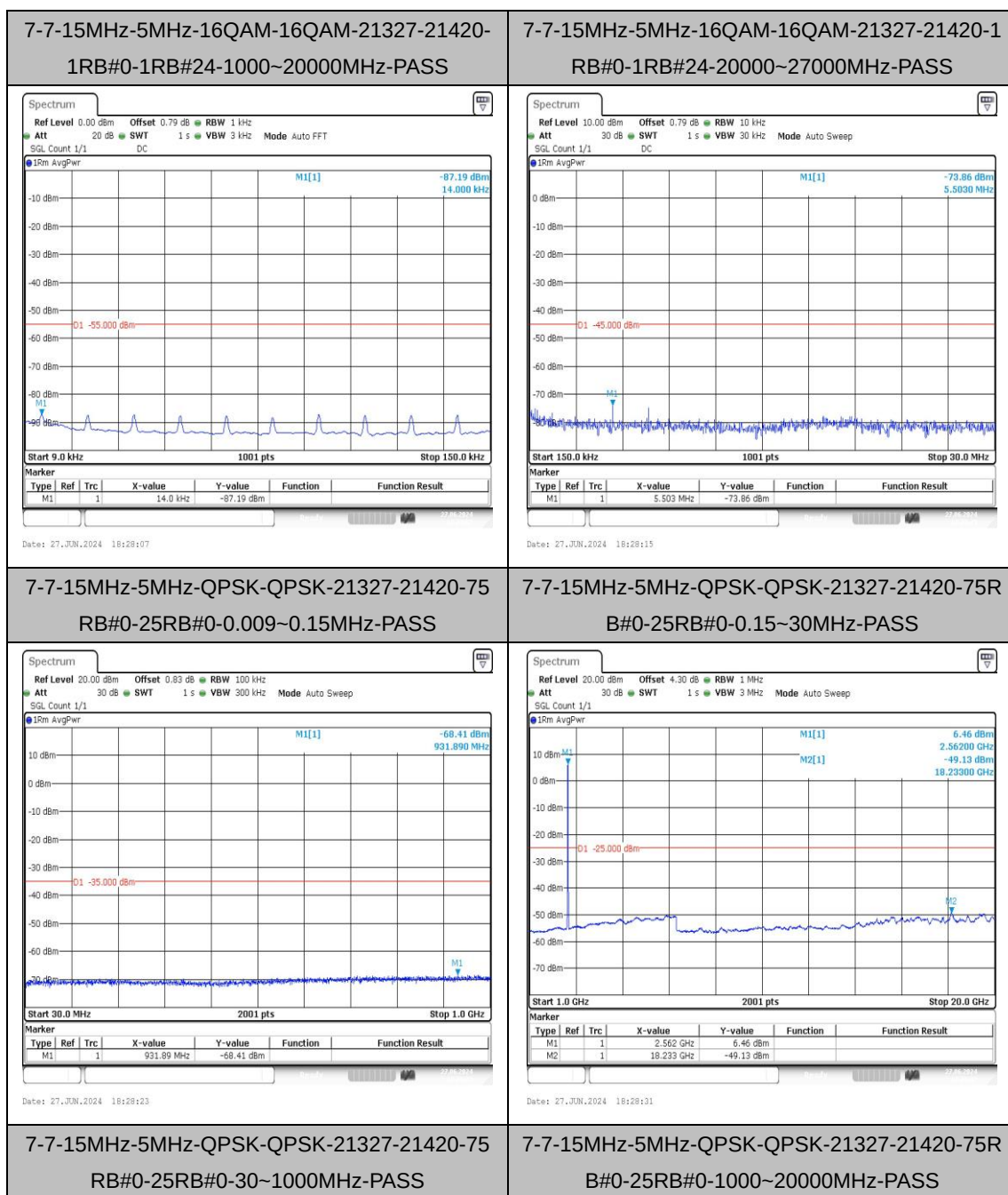


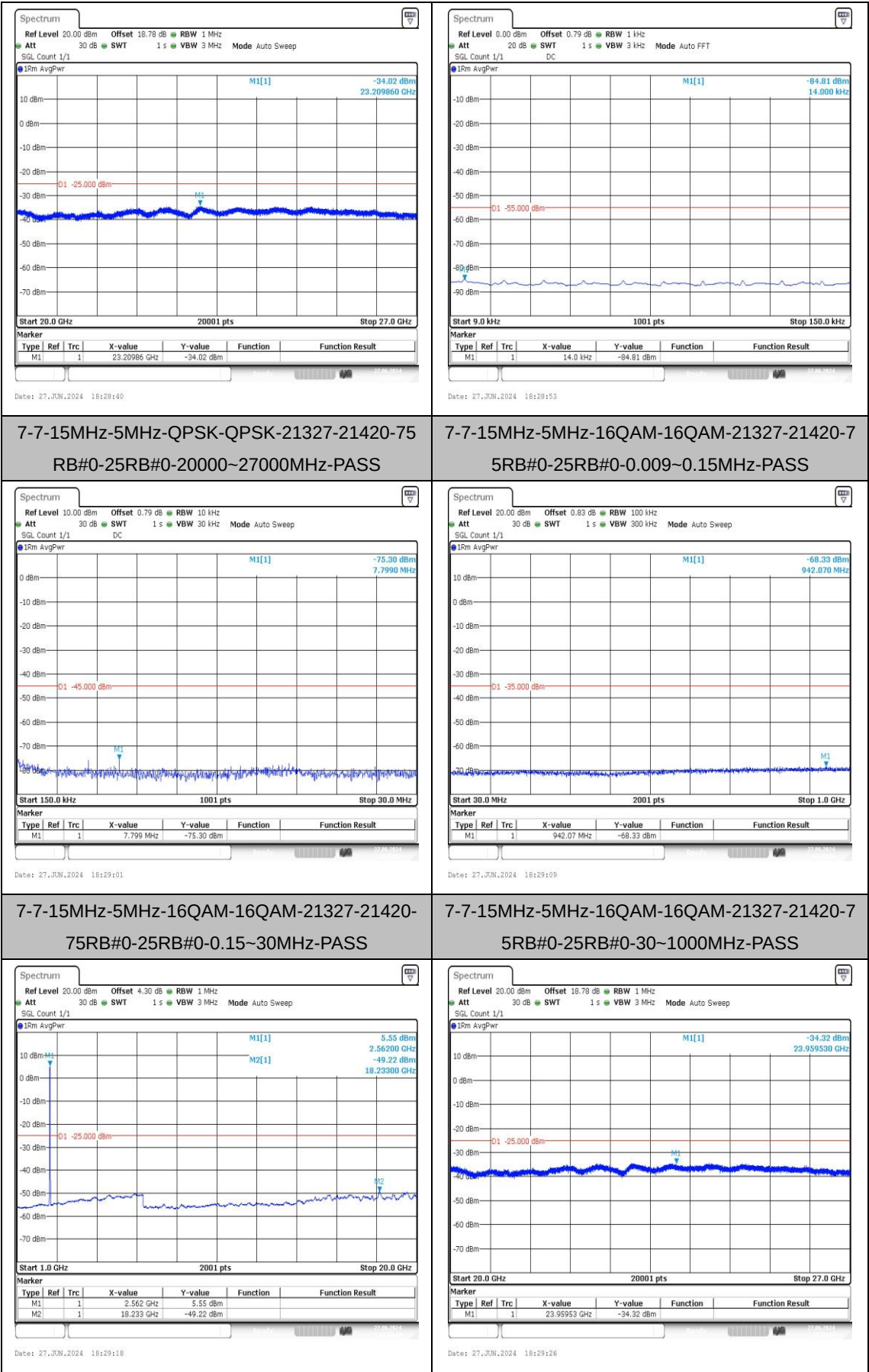












7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-75RB#0-25RB#0-1000~20000MHz-PASS	7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-75RB#0-25RB#0-20000~27000MHz-PASS
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Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	VN	NT	-7.27	-0.002899	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	VL	NT	-2.95	-0.001176	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	VH	NT	-5.21	-0.002078	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	VN	NT	-5.46	-0.002177	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	VL	NT	-5.68	-0.002265	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	VH	NT	4.62	0.001842	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	VN	NT	-5.99	-0.002365	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	VL	NT	3.96	0.001564	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	VH	NT	-4.86	-0.001919	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	VN	NT	3.46	0.001366	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	VL	NT	3.58	0.001414	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	VH	NT	-5.56	-0.002195	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	VN	NT	-4.92	-0.001924	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	VL	NT	-6.37	-0.002491	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	VH	NT	-3.43	-0.001341	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21327-21420	75RB#0-25RB#0	VN	NT	-6.05	-0.002365	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21327-21420	75RB#0-25RB#0	VL	NT	-8.57	-0.003351	±2.5	PASS

7-7	15MHz-5MHz	16QAM-16QAM	21327-21420	75RB#0-25RB#0	VH	NT	-5.56	-0.002174	±2.5	PASS
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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-50	-4.61	-0.001838	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-30	-6.48	-0.002584	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-20	-8.38	-0.003342	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-10	-7.28	-0.002903	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	0	-7.62	-0.003039	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	10	-5.39	-0.002150	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	20	-5.44	-0.002169	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	30	-5.74	-0.002289	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-50	-4.28	-0.001707	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-30	-4.75	-0.001894	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-20	-4.35	-0.001735	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-10	-7.45	-0.002971	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	0	3.02	0.001204	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	10	-4.13	-0.001647	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	20	-3.85	-0.001535	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	30	-3.76	-0.001500	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-50	-6.58	-0.002598	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-30	-4.39	-0.001733	±2.5	PASS

	5MHz	PSK	21169	5RB#0						
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-20	3.86	0.001524	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-10	5.11	0.002018	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	0	-4.28	-0.001690	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	10	-5.01	-0.001978	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	20	-5.28	-0.002085	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	30	-5.22	-0.002061	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-50	-3.00	-0.001185	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-30	-4.71	-0.001860	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-20	-2.29	-0.000904	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-10	-5.79	-0.002286	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	0	-5.26	-0.002077	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	10	-4.28	-0.001690	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	20	-3.55	-0.001402	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	30	3.49	0.001378	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-50	-8.54	-0.003339	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-30	-4.35	-0.001701	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-20	-6.55	-0.002561	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-10	-5.71	-0.002232	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	0	-5.18	-0.002025	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	10	-5.68	-0.002221	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	20	-5.95	-0.002326	±2.5	PASS

	5MHz	PSK	21420	5RB#0						
7-7	15MHz- 5MHz	QPSK-Q PSK	21327- 21420	75RB#0-2 5RB#0	NV	30	-6.59	-0.002577	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-50	-6.97	-0.002725	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-30	3.71	0.001451	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-20	-3.60	-0.001408	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-10	4.03	0.001576	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	0	-5.56	-0.002174	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	10	-6.18	-0.002416	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	20	-4.29	-0.001677	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	30	-7.30	-0.002854	±2.5	PASS