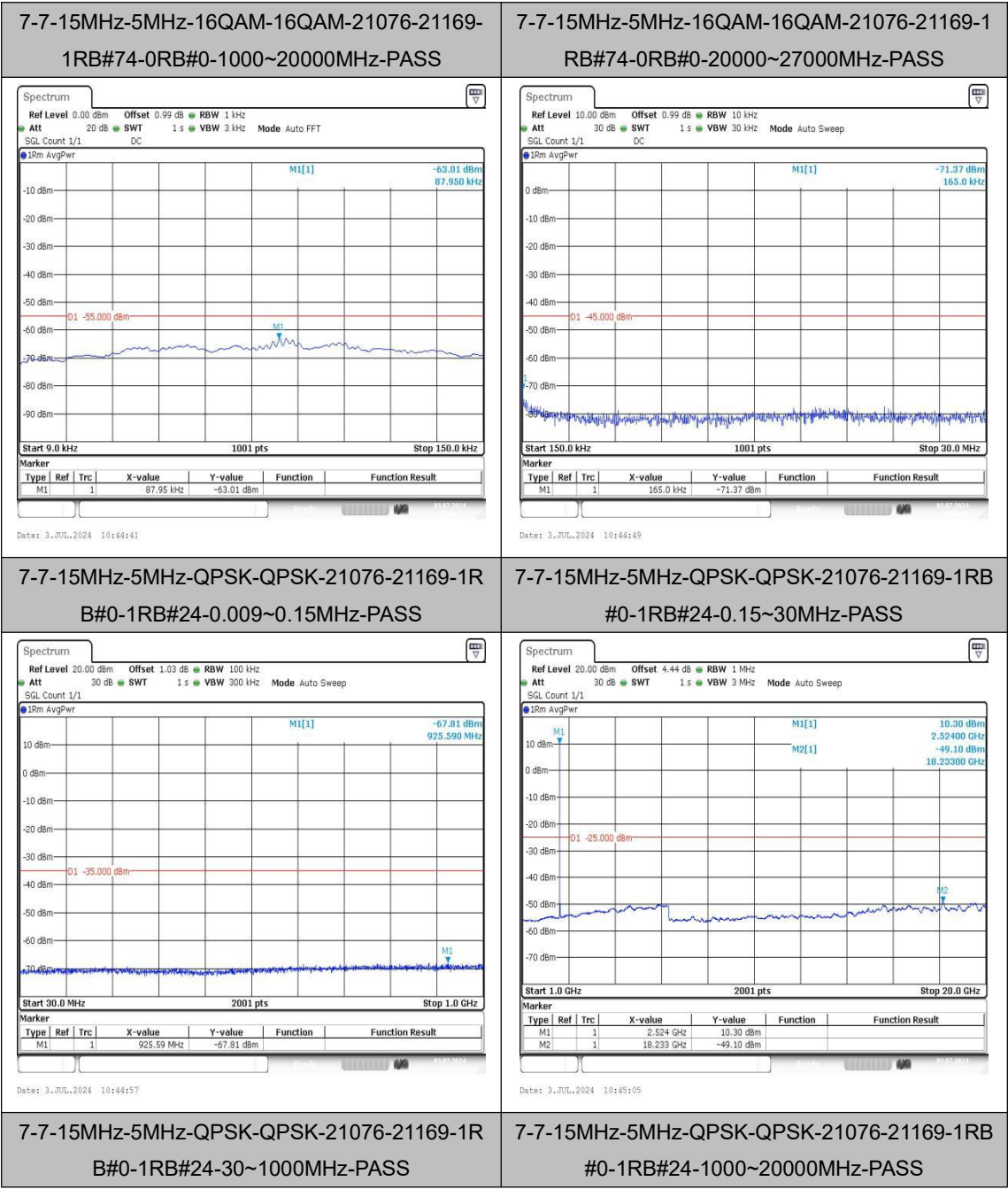
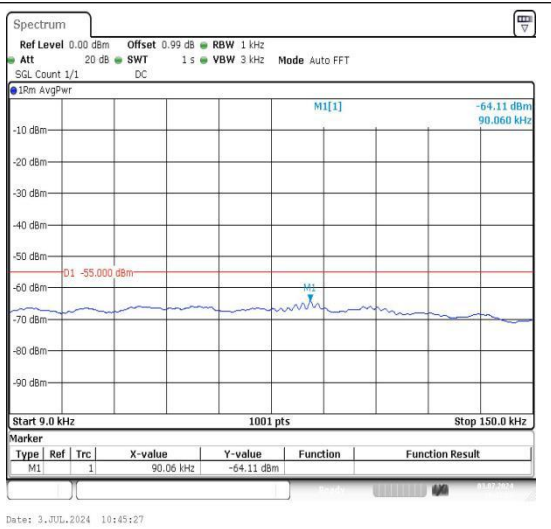
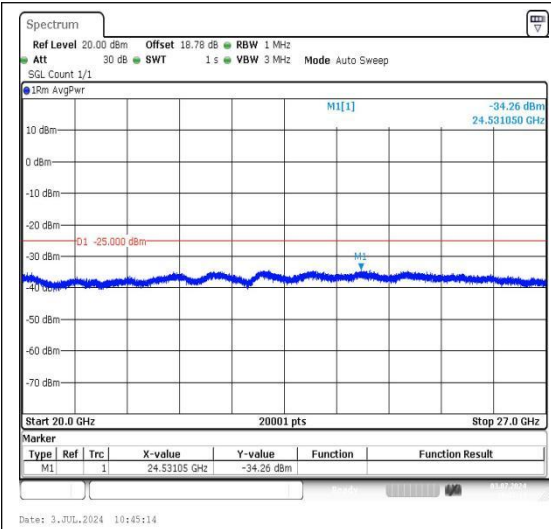
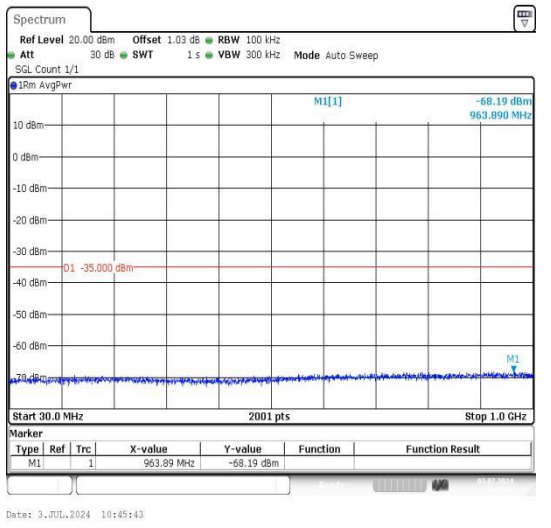
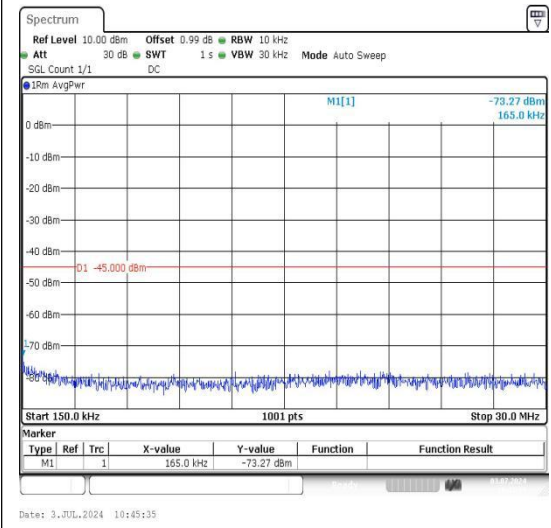






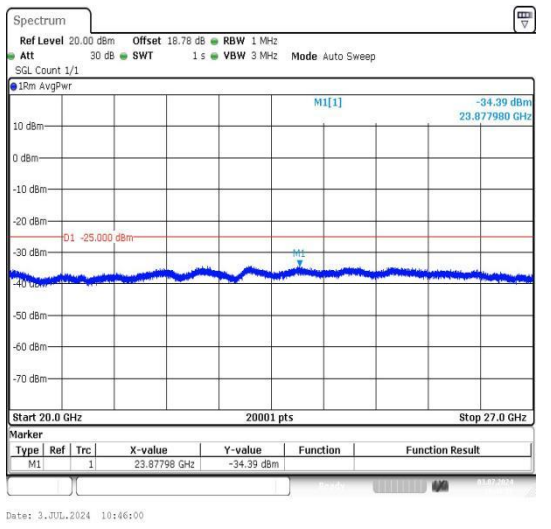
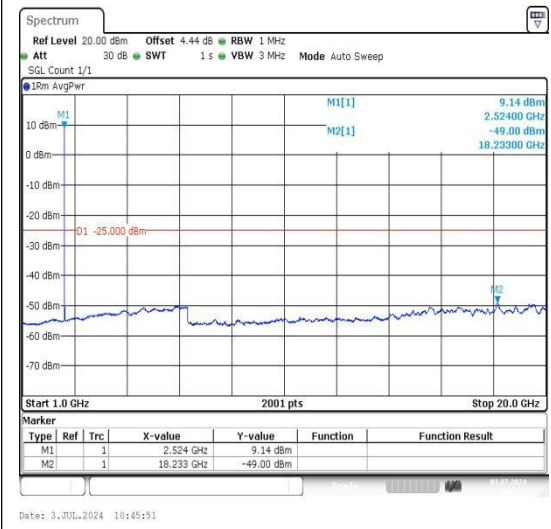
7-7-15MHz-5MHz-QPSK-QPSK-21076-21169-1R
B#0-1RB#24-20000~27000MHz-PASS

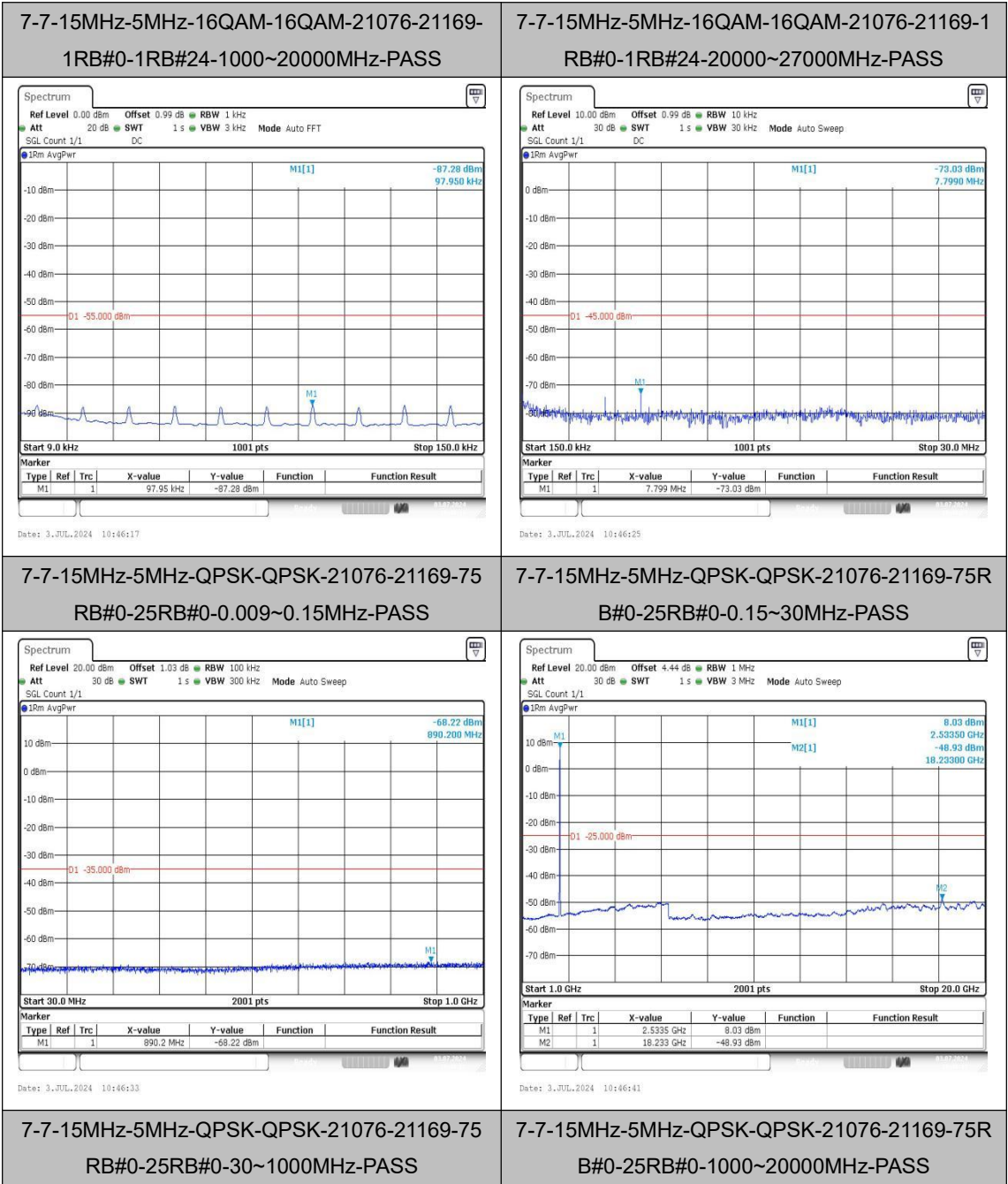
7-7-15MHz-5MHz-16QAM-16QAM-21076-21169-1
RB#0-1RB#24-0.009~0.15MHz-PASS

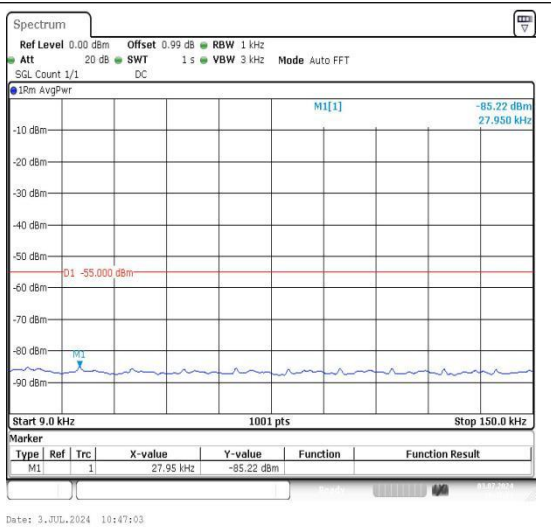
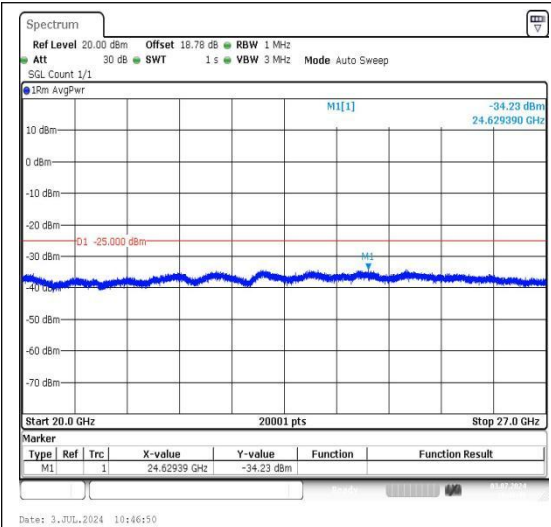


7-7-15MHz-5MHz-16QAM-16QAM-21076-21169-
1RB#0-1RB#24-0.15~30MHz-PASS

7-7-15MHz-5MHz-16QAM-16QAM-21076-21169-1
RB#0-1RB#24-30~1000MHz-PASS

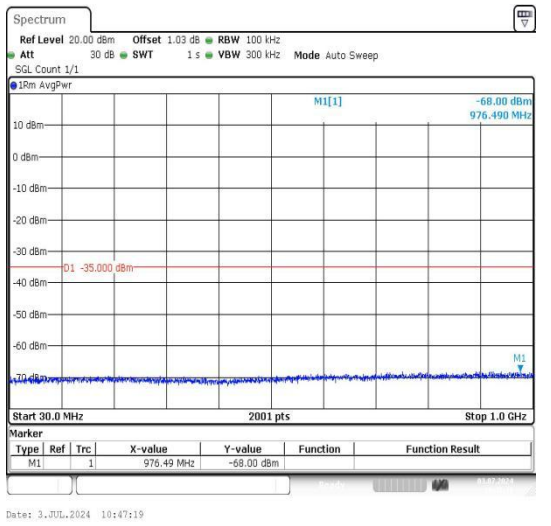
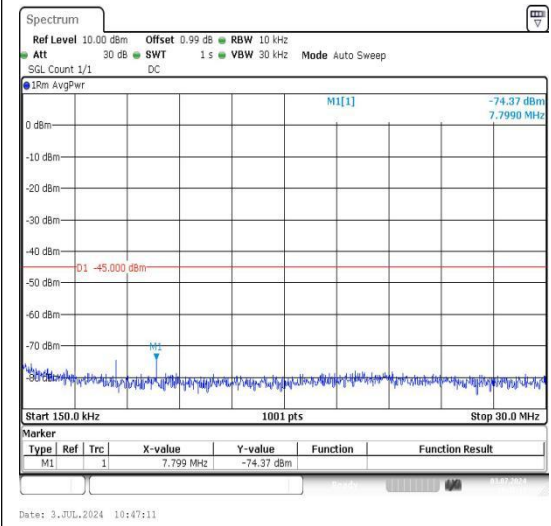






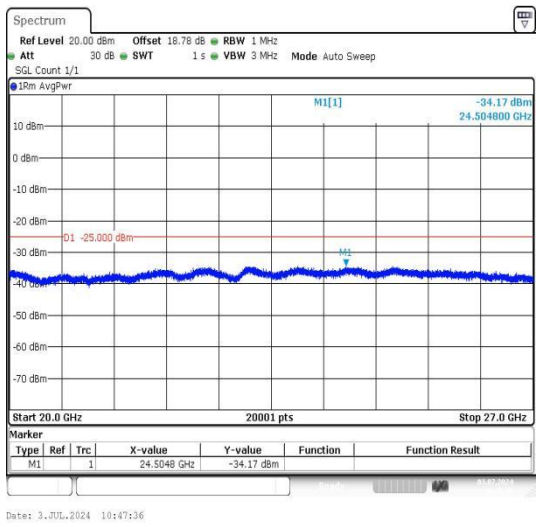
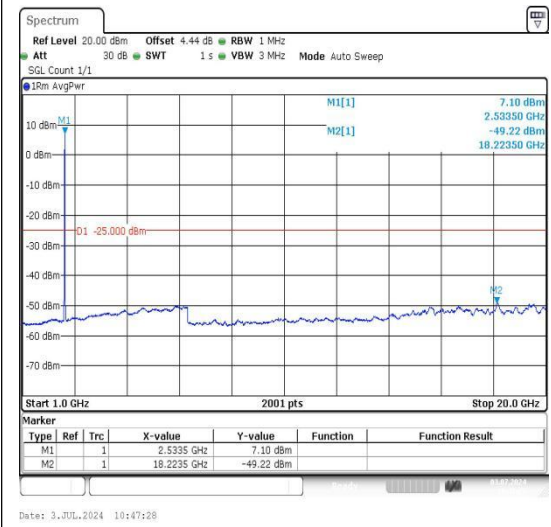
7-7-15MHz-5MHz-QPSK-QPSK-21076-21169-75
RB#0-25RB#0-20000~27000MHz-PASS

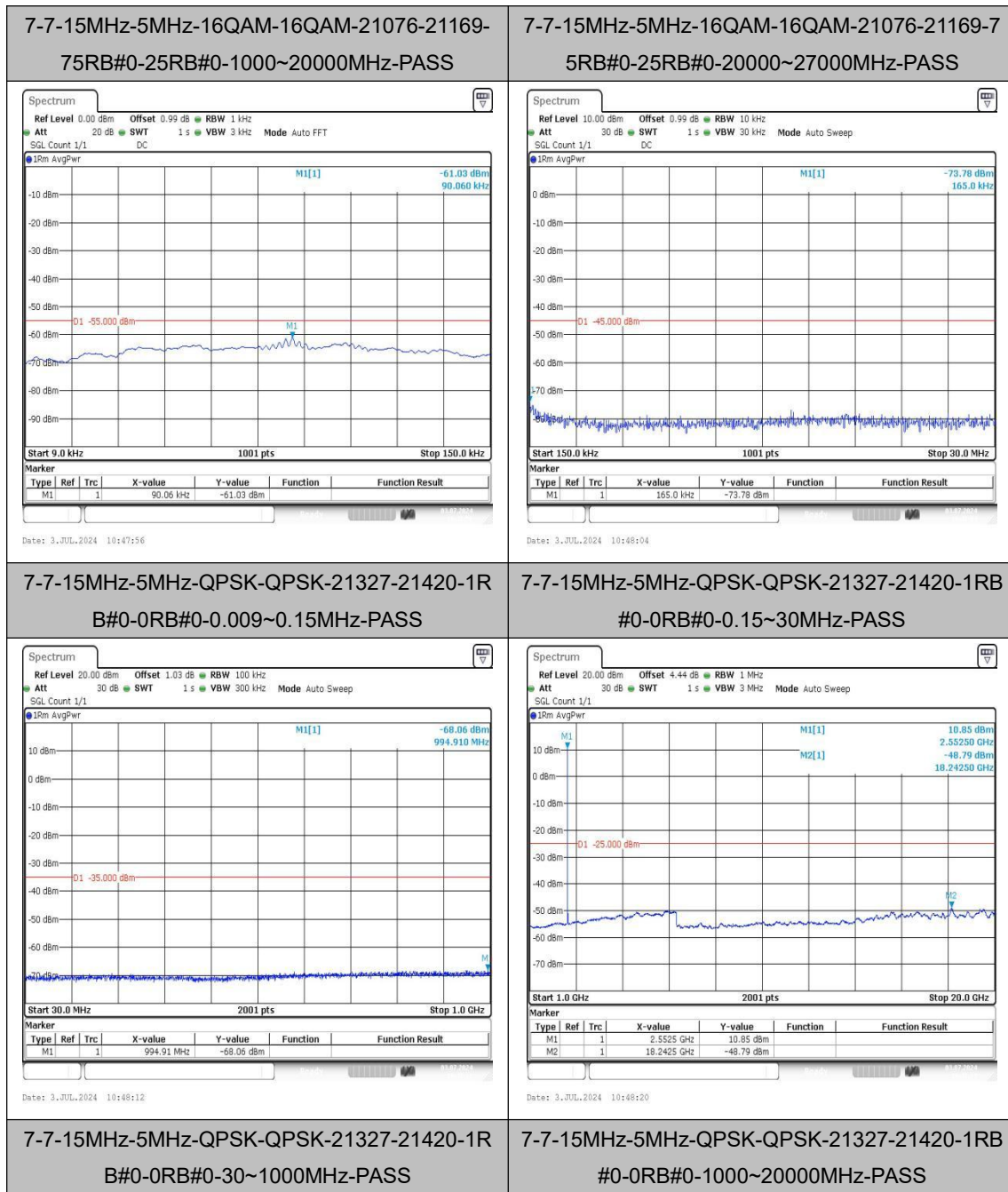
7-7-15MHz-5MHz-16QAM-16QAM-21076-21169-7
5RB#0-25RB#0-0.009~0.15MHz-PASS

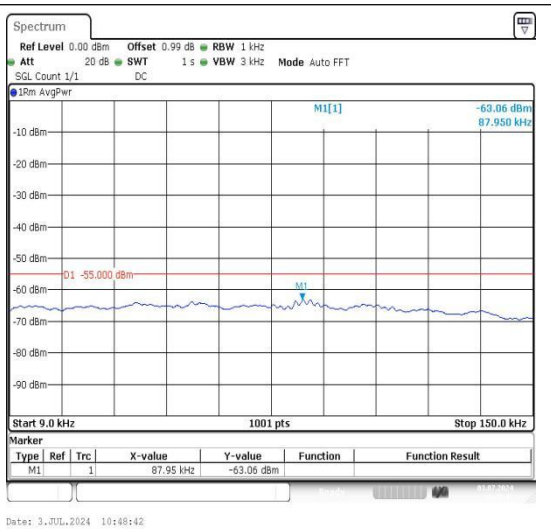
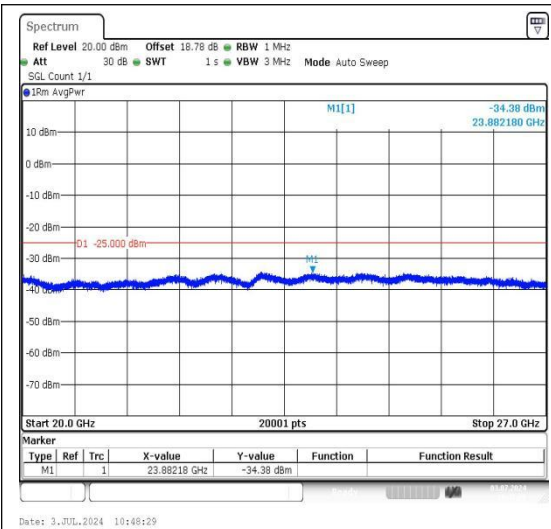


7-7-15MHz-5MHz-16QAM-16QAM-21076-21169-75
75RB#0-25RB#0-0.15~30MHz-PASS

7-7-15MHz-5MHz-16QAM-16QAM-21076-21169-7
5RB#0-25RB#0-30~1000MHz-PASS

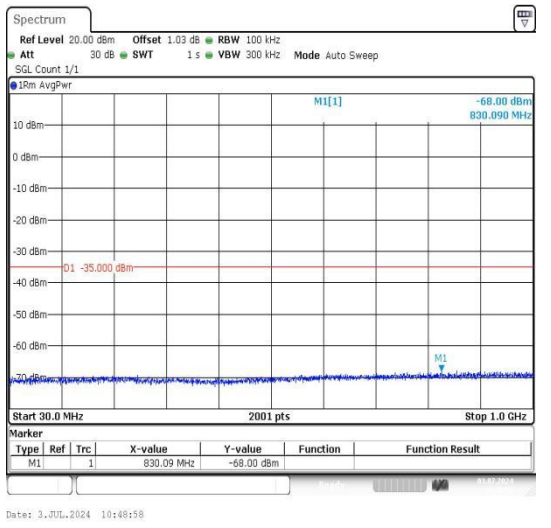
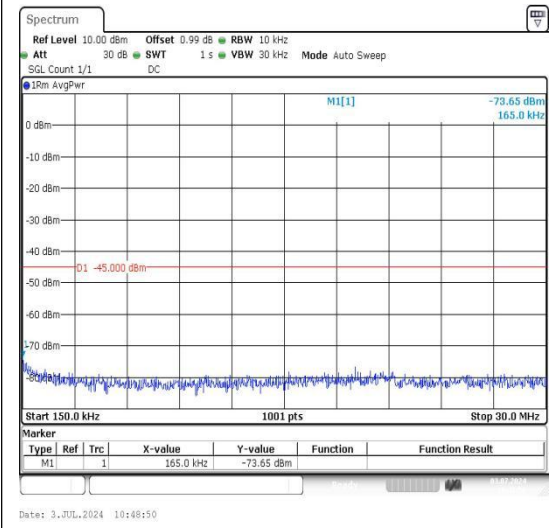






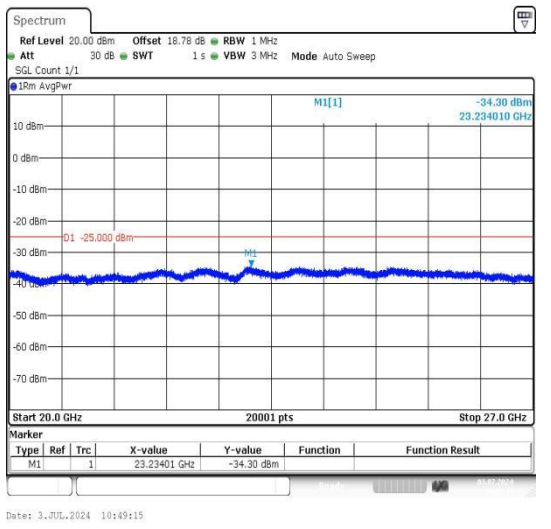
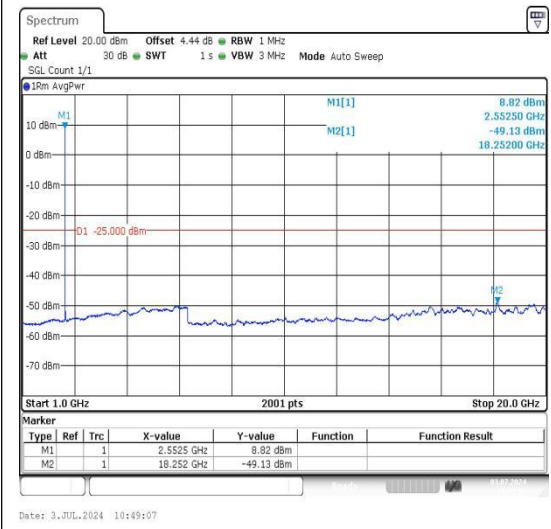
7-7-15MHz-5MHz-QPSK-QPSK-21327-21420-1R
B#0-ORB#0-20000~27000MHz-PASS

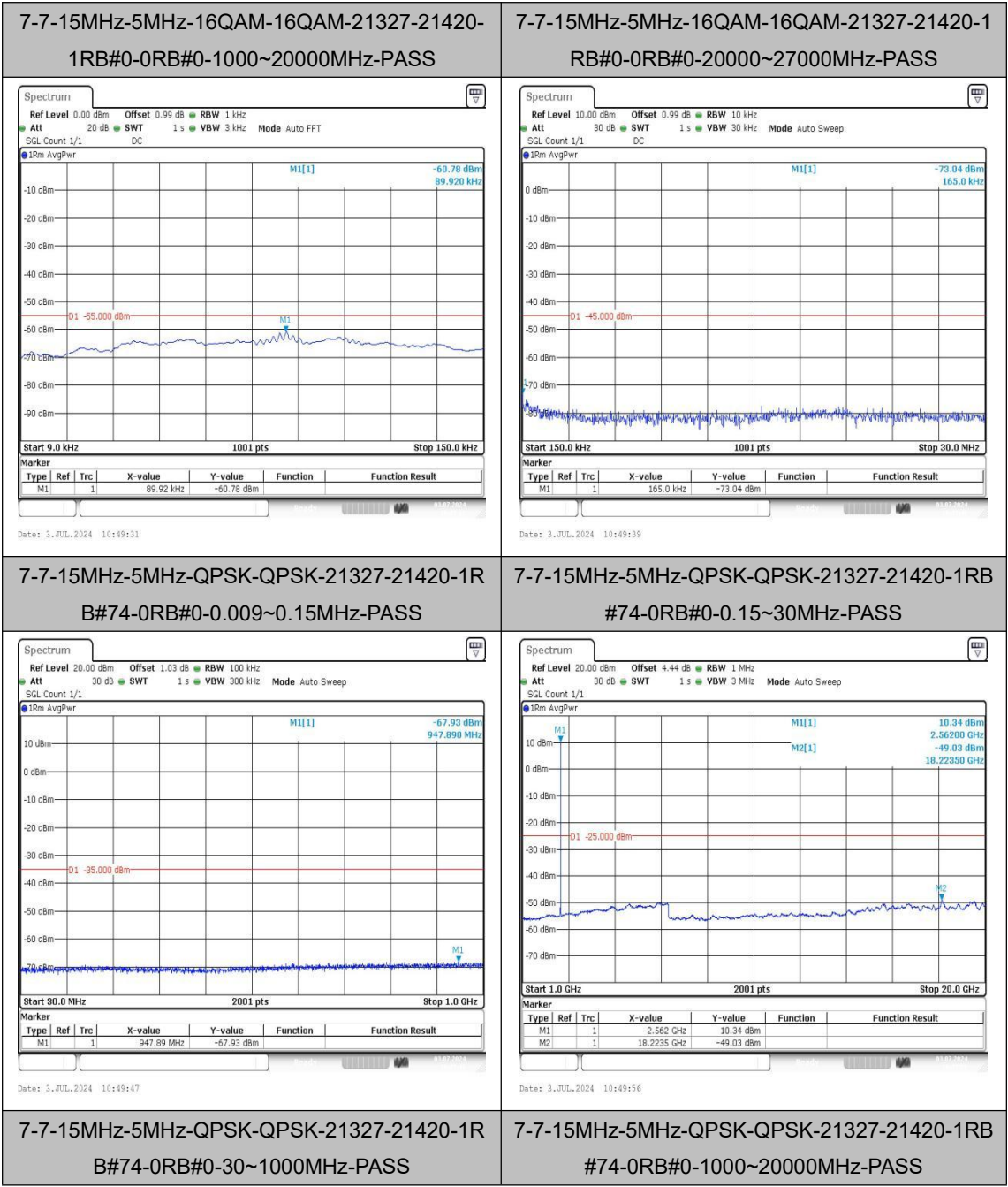
7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-1
RB#0-ORB#0-0.009~0.15MHz-PASS

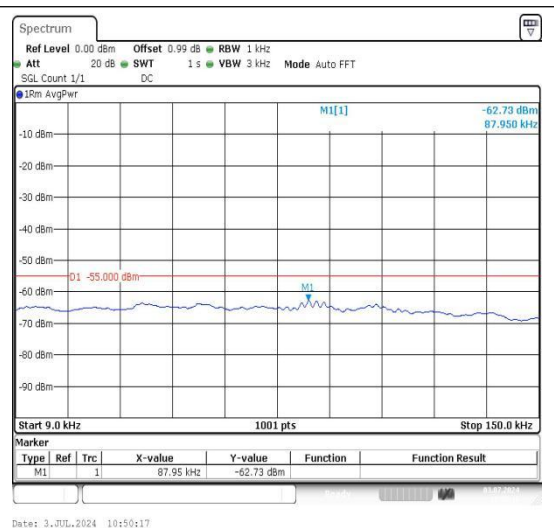
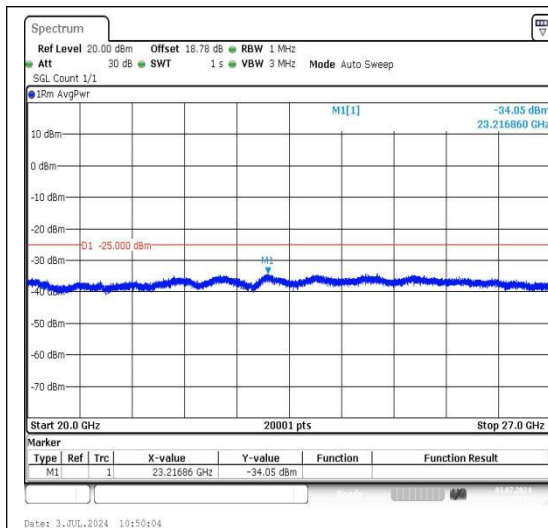


7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-1
1RB#0-ORB#0-0.15~30MHz-PASS

7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-1
RB#0-ORB#0-30~1000MHz-PASS

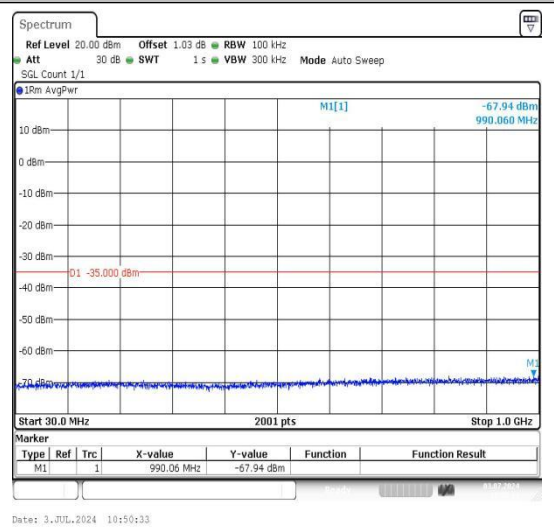
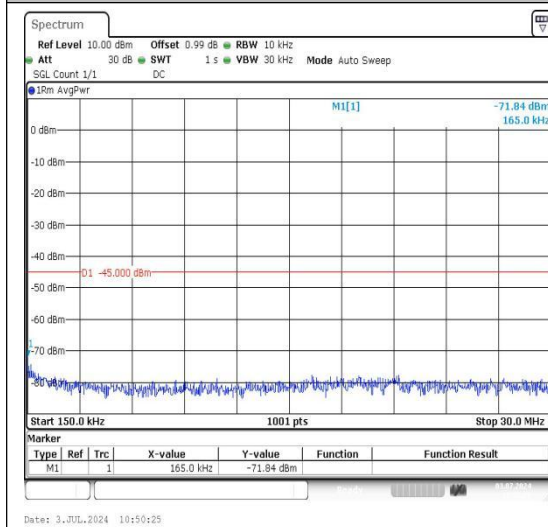






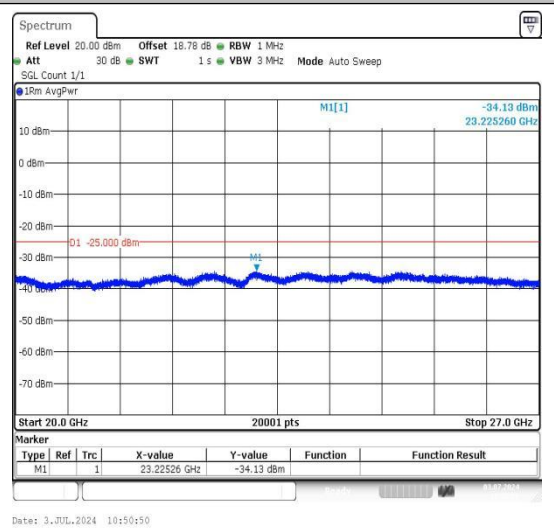
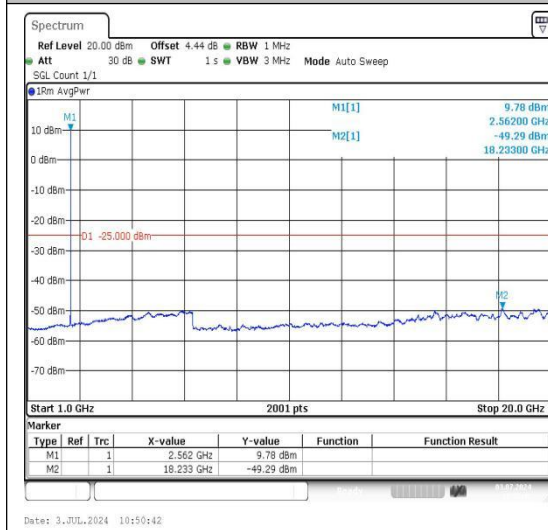
7-7-15MHz-5MHz-QPSK-QPSK-21327-21420-1R
B#74-0RB#0-20000~27000MHz-PASS

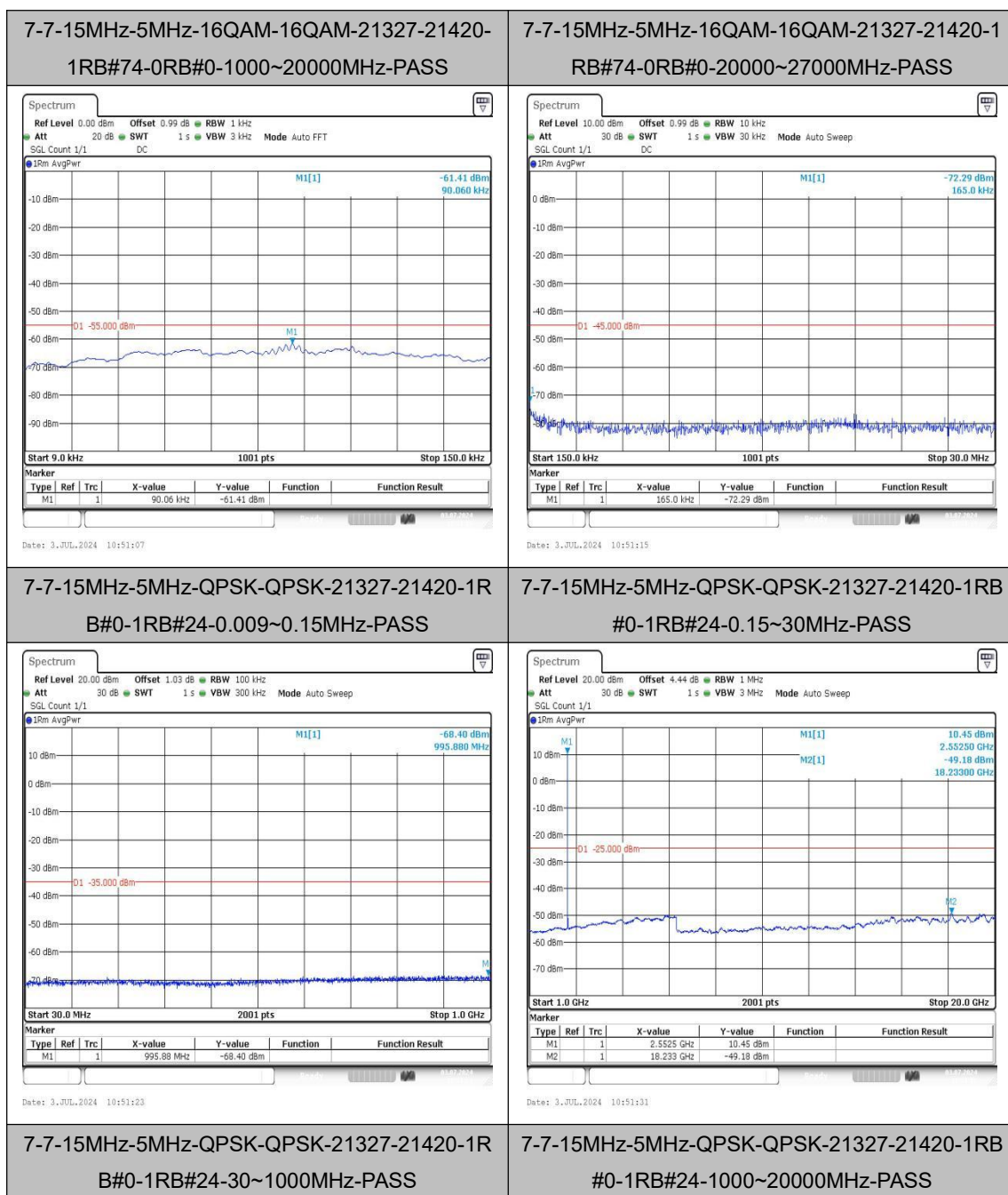
7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-1
RB#74-0RB#0-0.009~0.15MHz-PASS

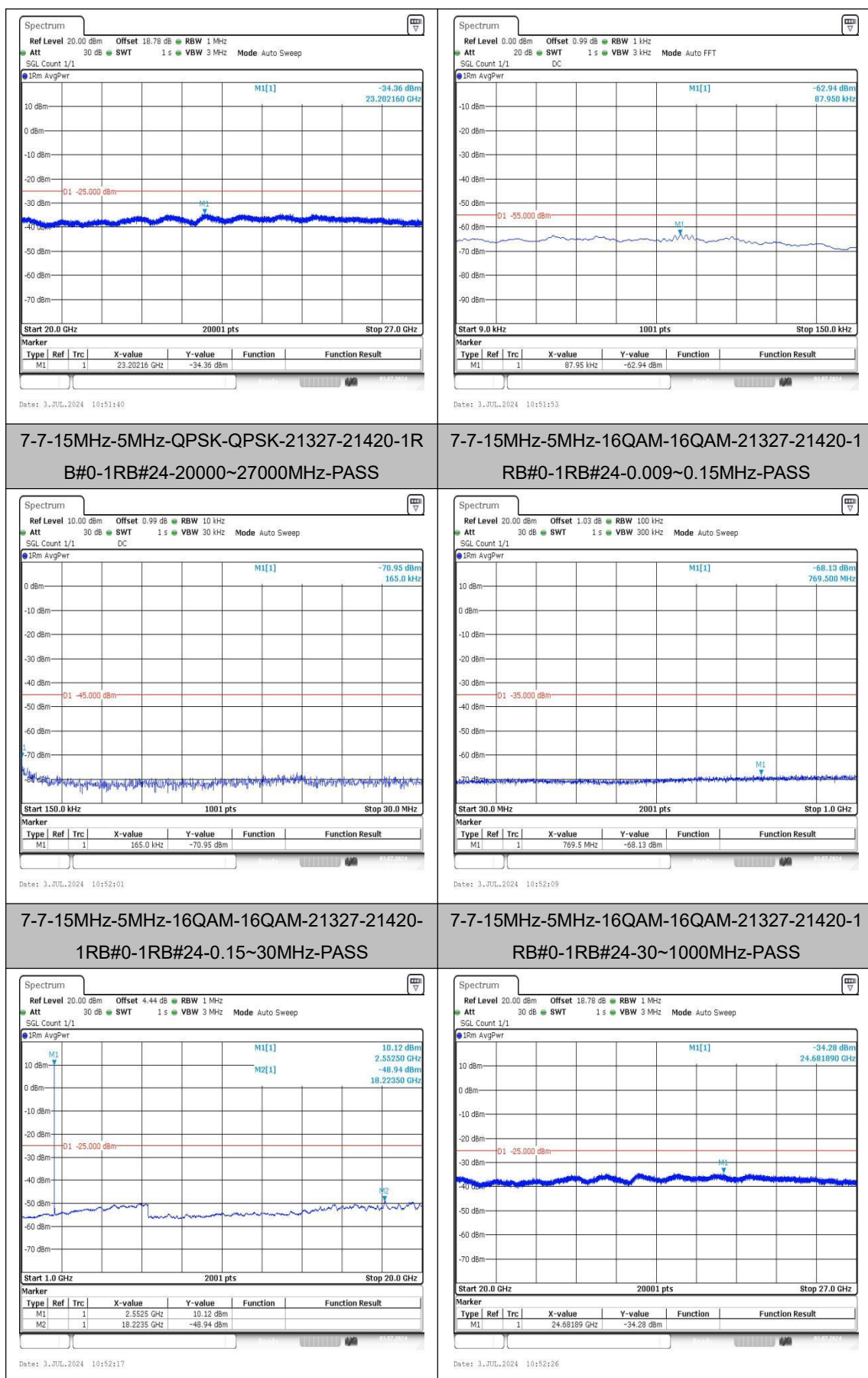


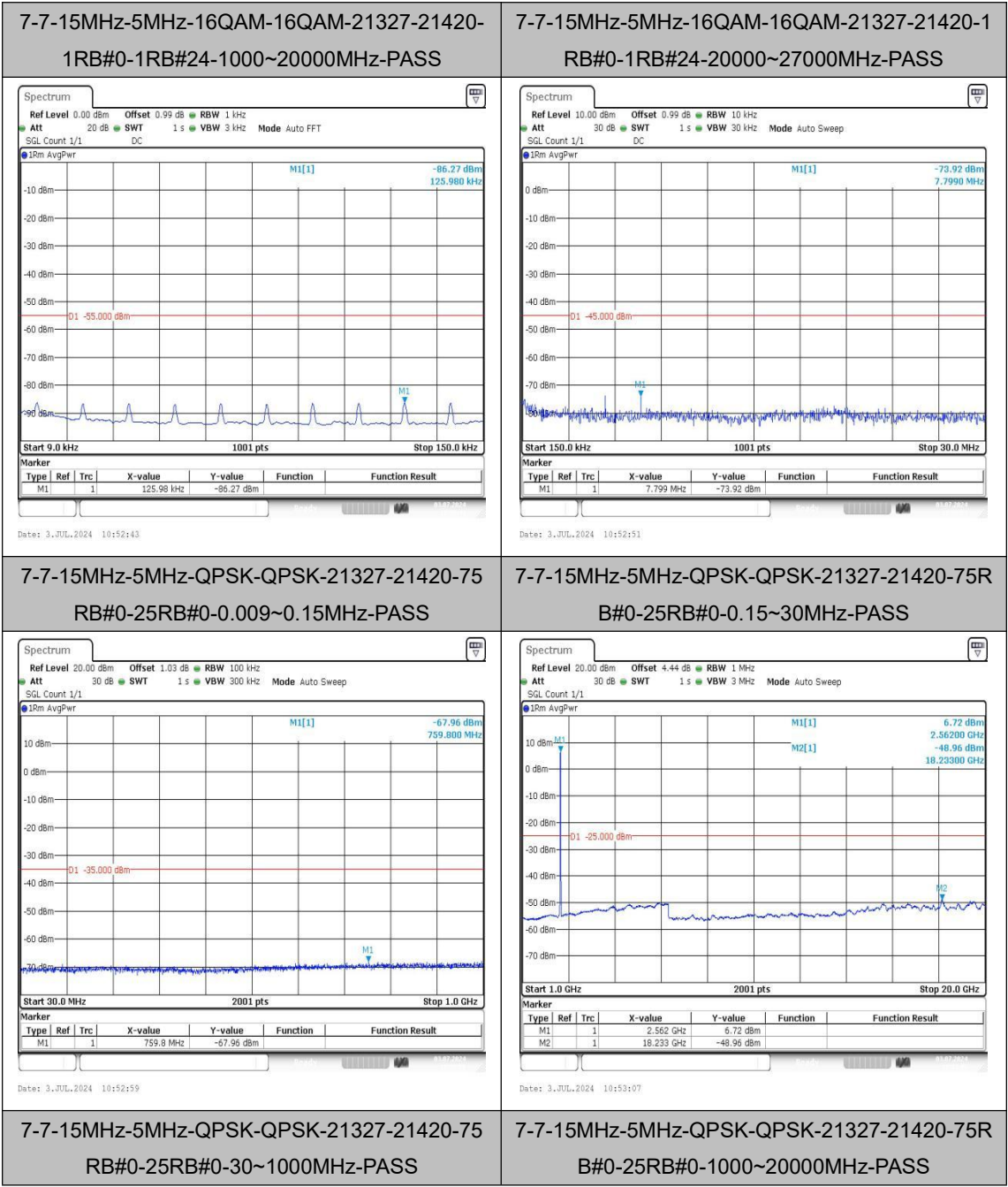
7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-1
RB#74-0RB#0-0.15~30MHz-PASS

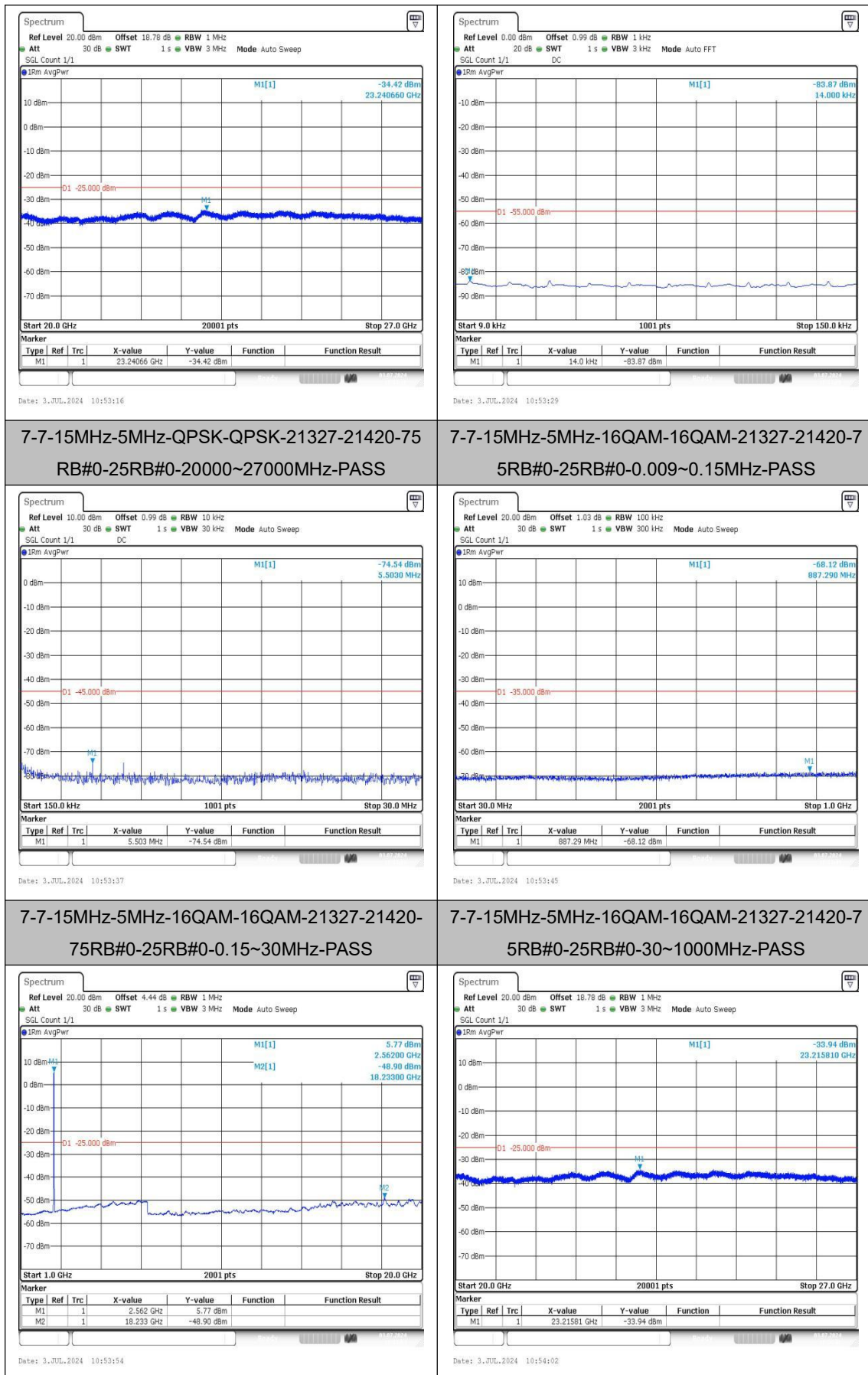
7-7-15MHz-5MHz-16QAM-16QAM-21327-21420-1
RB#74-0RB#0-30~1000MHz-PASS











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	-8.68	-0.003462	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	VL	NT	-6.91	-0.002756	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	VH	NT	-5.18	-0.002066	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	VN	NT	-4.16	-0.001659	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	VL	NT	-6.78	-0.002704	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	VH	NT	-6.15	-0.002453	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	VN	NT	-4.69	-0.001852	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	VL	NT	-4.41	-0.001741	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	VH	NT	-4.42	-0.001745	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	VN	NT	-5.92	-0.002338	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	VL	NT	-4.03	-0.001591	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	VH	NT	3.75	0.001481	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	VN	NT	-6.32	-0.002471	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	VL	NT	-5.14	-0.002010	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	VH	NT	-5.41	-0.002115	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21327-21420	75RB#0-25RB#0	VN	NT	-8.53	-0.003335	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21327-21420	75RB#0-25RB#0	VL	NT	-7.22	-0.002823	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21327-21420	75RB#0-25RB#0	VH	NT	-4.89	-0.001912	±2.5	PASS

	5MHz	16QAM	21420	5RB#0						
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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	-6.17	-0.002461	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-30	-5.28	-0.002106	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-20	-9.11	-0.003633	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	-10	-3.19	-0.001272	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	0	-4.84	-0.001930	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	10	-4.75	-0.001894	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	20825-20918	75RB#0-25RB#0	NV	20	-5.11	-0.002038	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	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	-50	-5.98	-0.002385	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-30	-6.21	-0.002477	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-20	-5.42	-0.002162	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	-10	-6.02	-0.002401	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	0	-4.02	-0.001603	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	10	-5.54	-0.002209	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	20	-5.55	-0.002213	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	20825-20918	75RB#0-25RB#0	NV	30	-4.88	-0.001946	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-50	-4.33	-0.001710	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-30	3.05	0.001204	±2.5	PASS

7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-20	-3.91	-0.001544	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	-10	-6.97	-0.002752	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	0	-5.76	-0.002274	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	10	-5.88	-0.002322	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	20	-4.69	-0.001852	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21076-21169	75RB#0-25RB#0	NV	30	-5.06	-0.001998	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-50	-4.78	-0.001887	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-30	3.69	0.001457	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-20	-6.22	-0.002456	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	-10	-6.91	-0.002728	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	0	-4.71	-0.001860	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	10	-5.76	-0.002274	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	20	-6.31	-0.002492	±2.5	PASS
7-7	15MHz-5MHz	16QAM-16QAM	21076-21169	75RB#0-25RB#0	NV	30	-9.14	-0.003609	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-50	-7.45	-0.002913	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-30	-5.52	-0.002158	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-20	-6.02	-0.002354	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	-10	2.83	0.001106	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	0	-4.98	-0.001947	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	10	-4.13	-0.001615	±2.5	PASS
7-7	15MHz-5MHz	QPSK-QPSK	21327-21420	75RB#0-25RB#0	NV	20	-3.98	-0.001556	±2.5	PASS

7-7	15MHz- 5MHz	QPSK-Q PSK	21327- 21420	75RB#0-2 5RB#0	NV	30	-4.33	-0.001693	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-50	-6.58	-0.002573	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-30	-8.00	-0.003128	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-20	-7.22	-0.002823	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	-10	-6.98	-0.002729	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	0	-5.59	-0.002186	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	10	-6.35	-0.002483	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	20	-8.40	-0.003284	±2.5	PASS
7-7	15MHz- 5MHz	16QAM- 16QAM	21327- 21420	75RB#0-2 5RB#0	NV	30	-6.82	-0.002666	±2.5	PASS