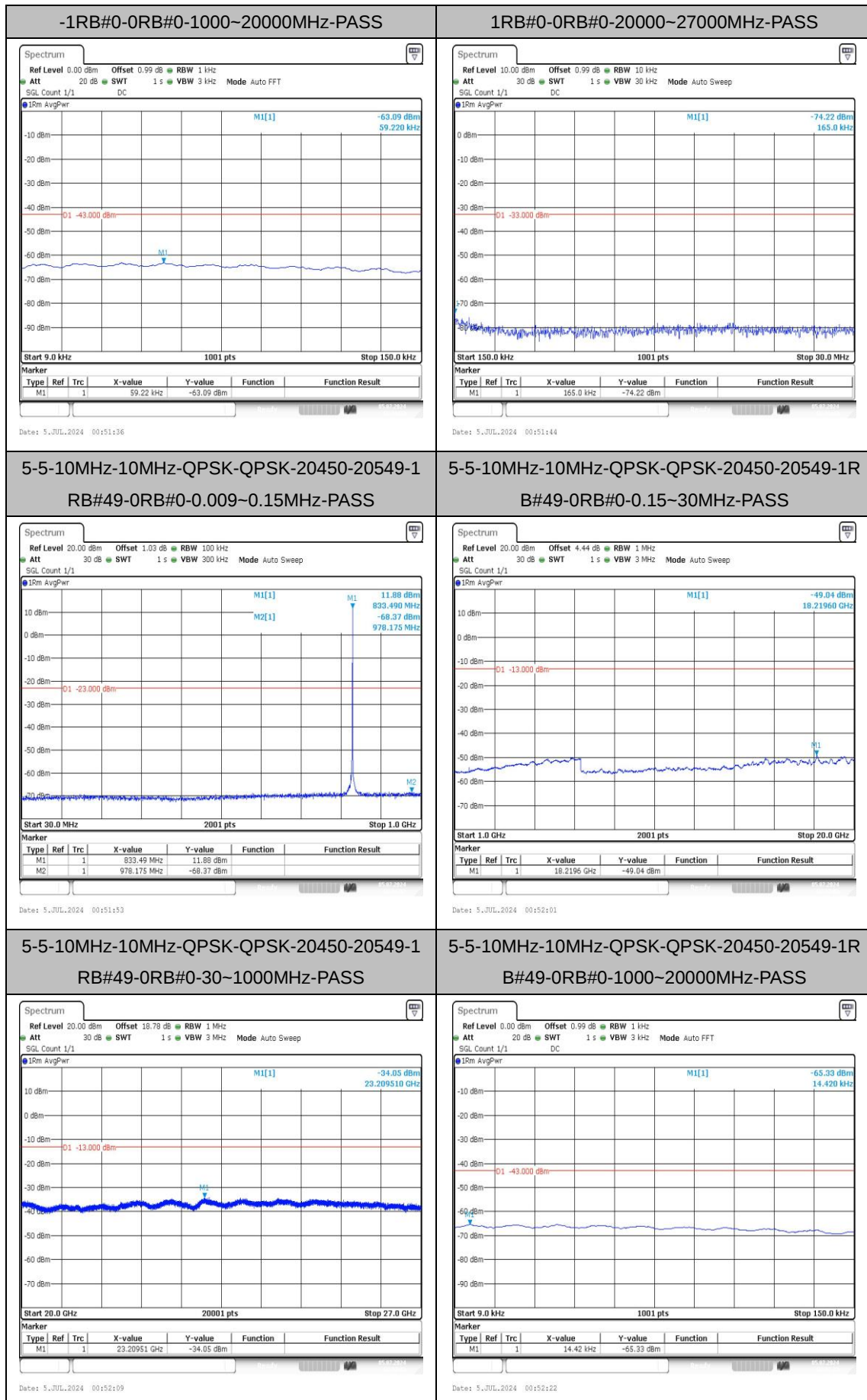
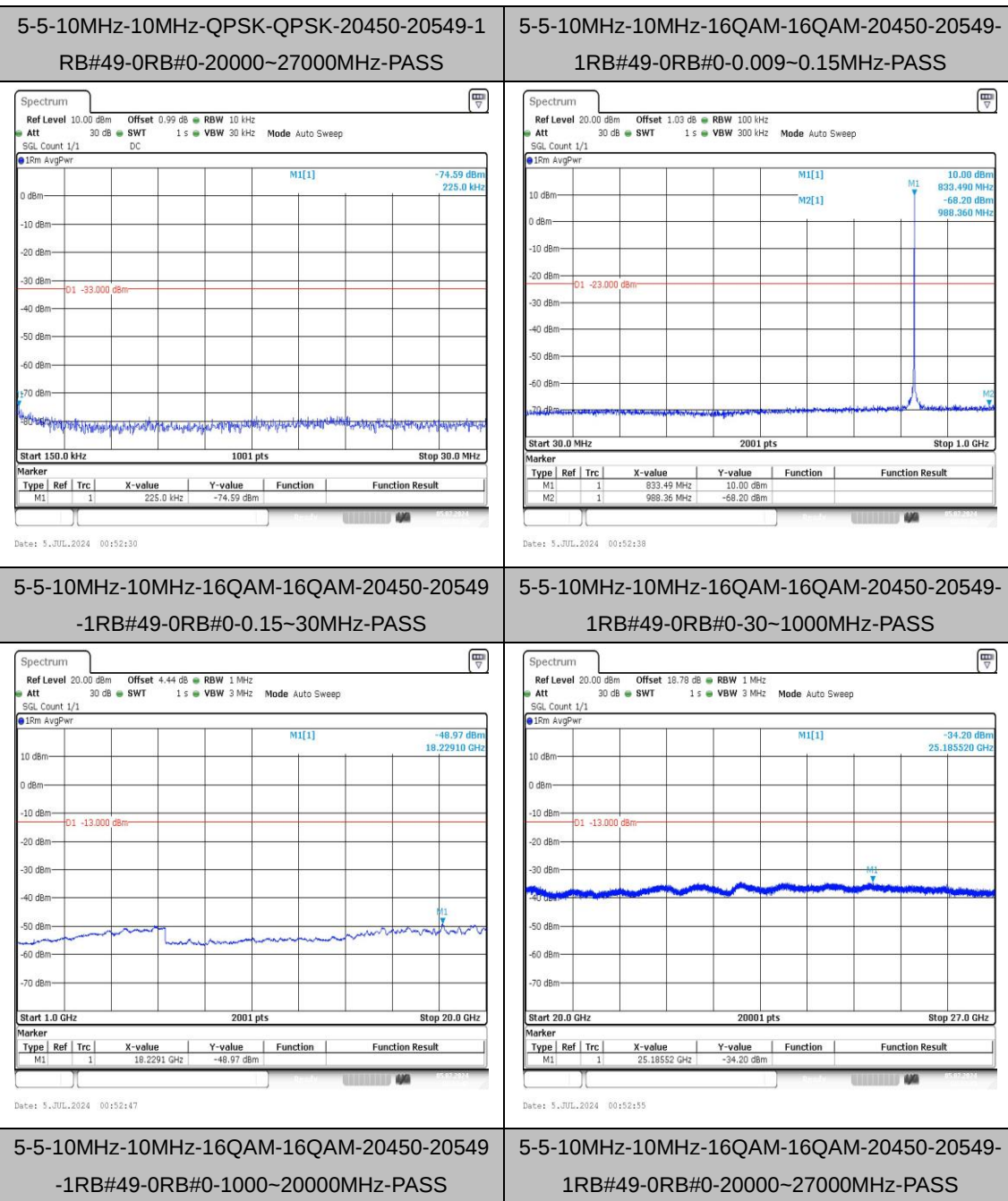
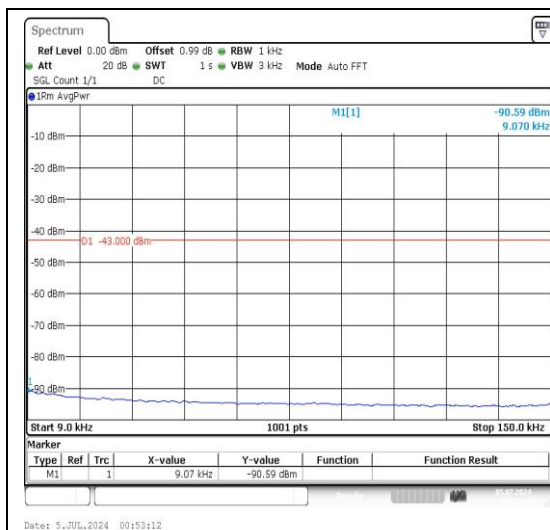
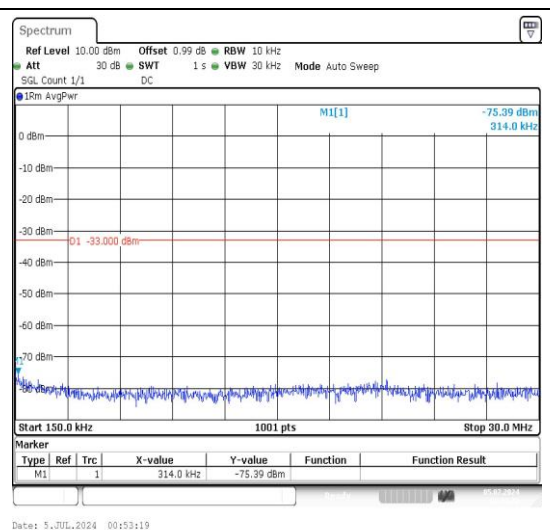




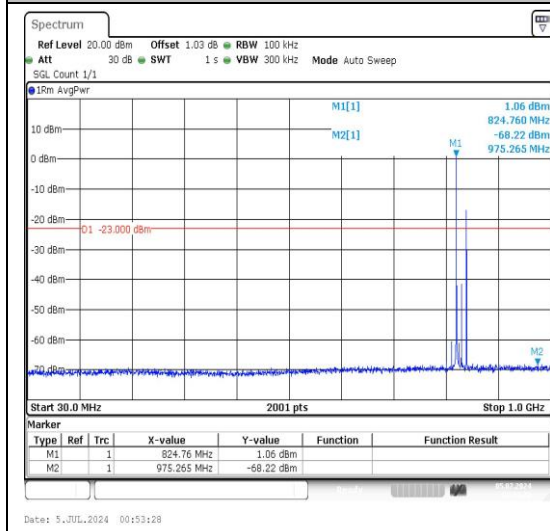




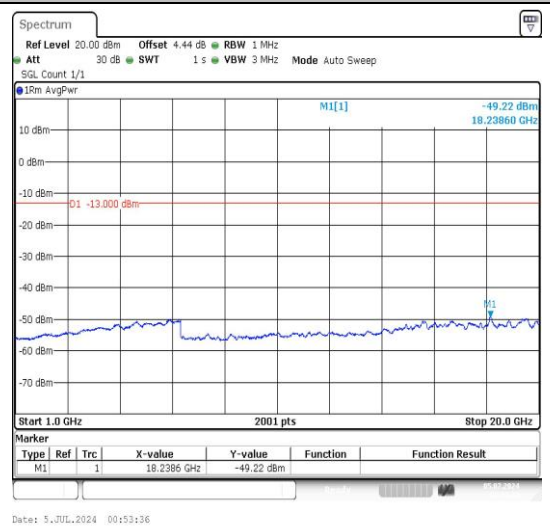
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1
RB#0-1RB#49-0.009~0.15MHz-PASS



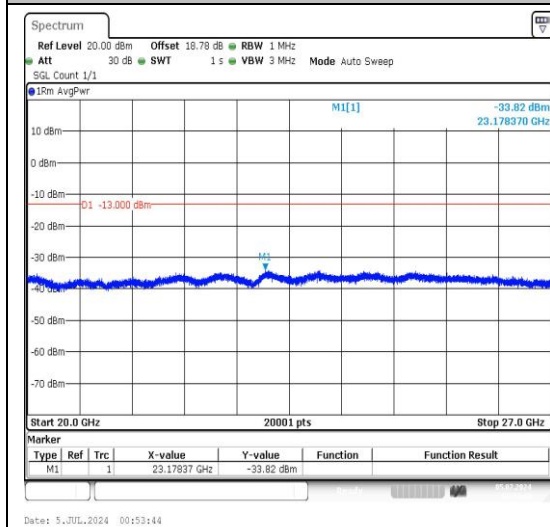
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1R
B#0-1RB#49-0.15~30MHz-PASS



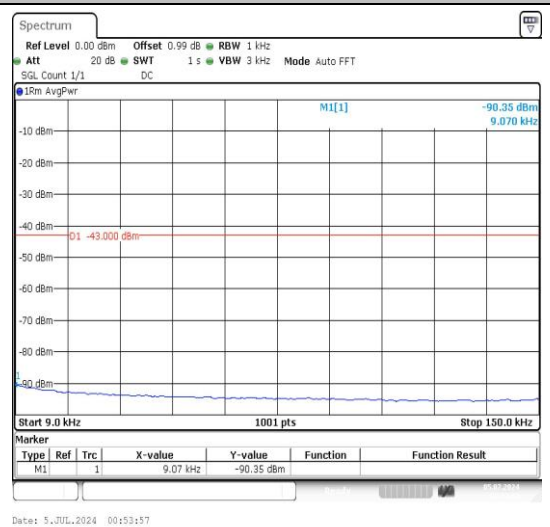
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1
RB#0-1RB#49-30~1000MHz-PASS



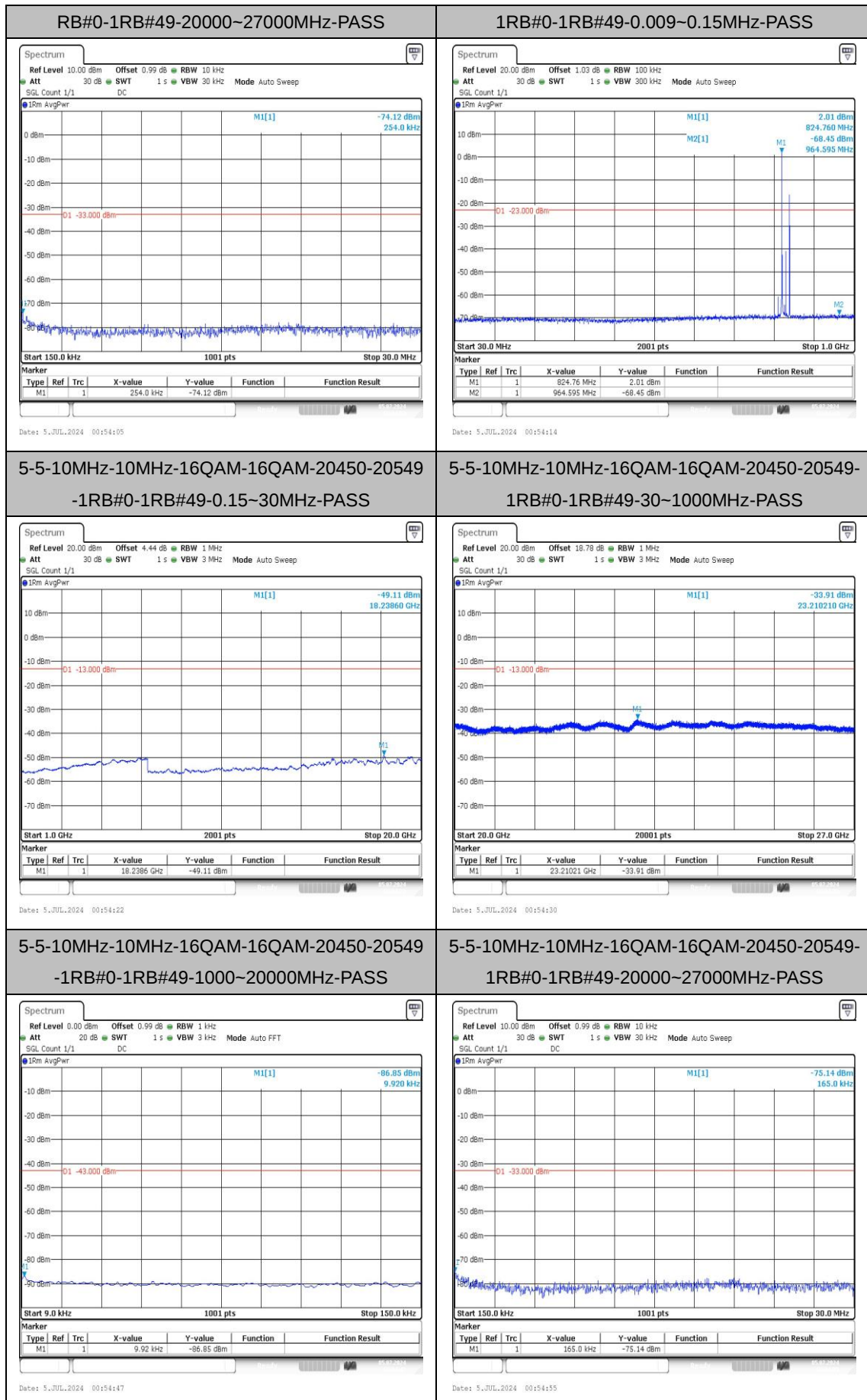
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1R
B#0-1RB#49-1000~20000MHz-PASS

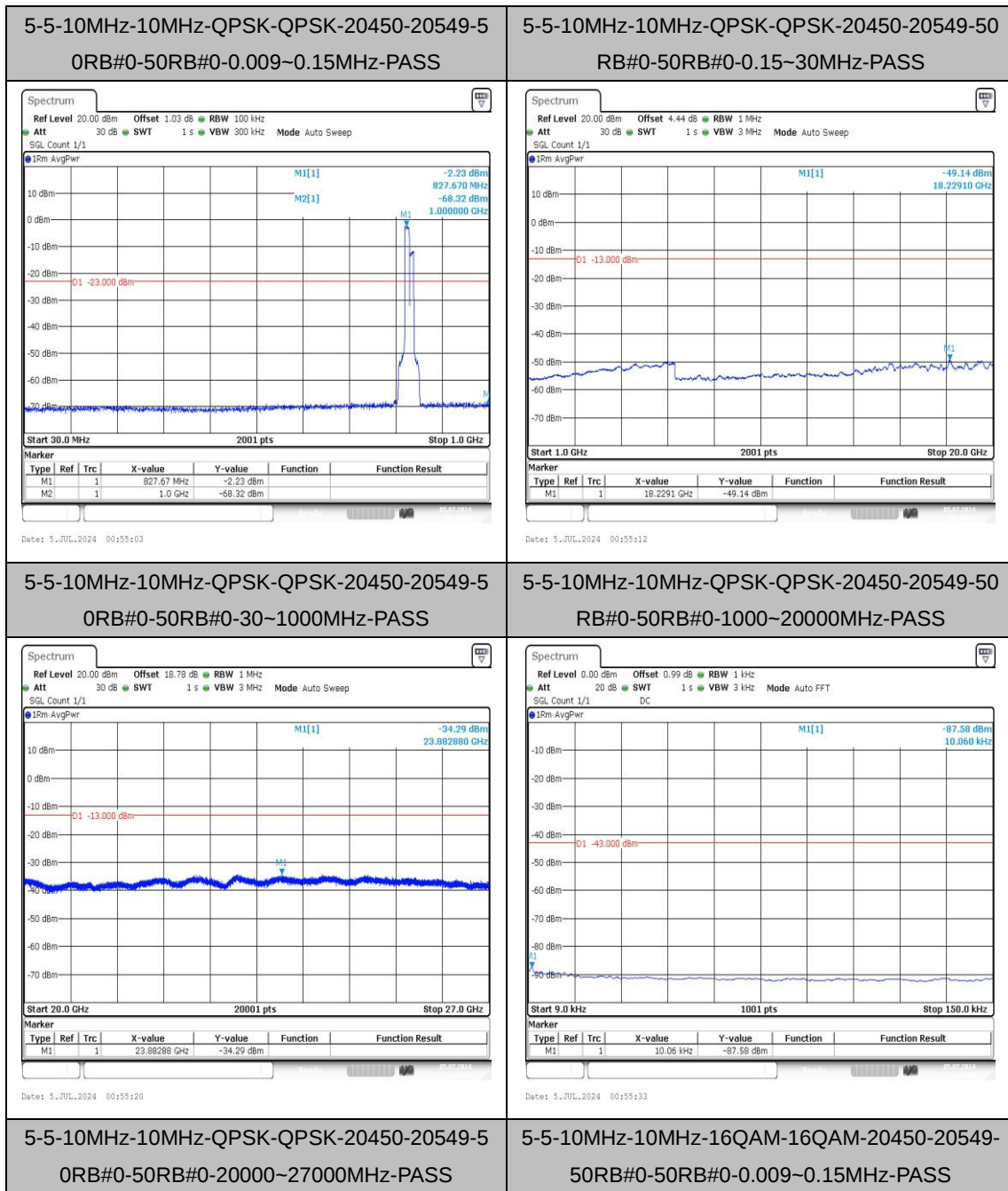


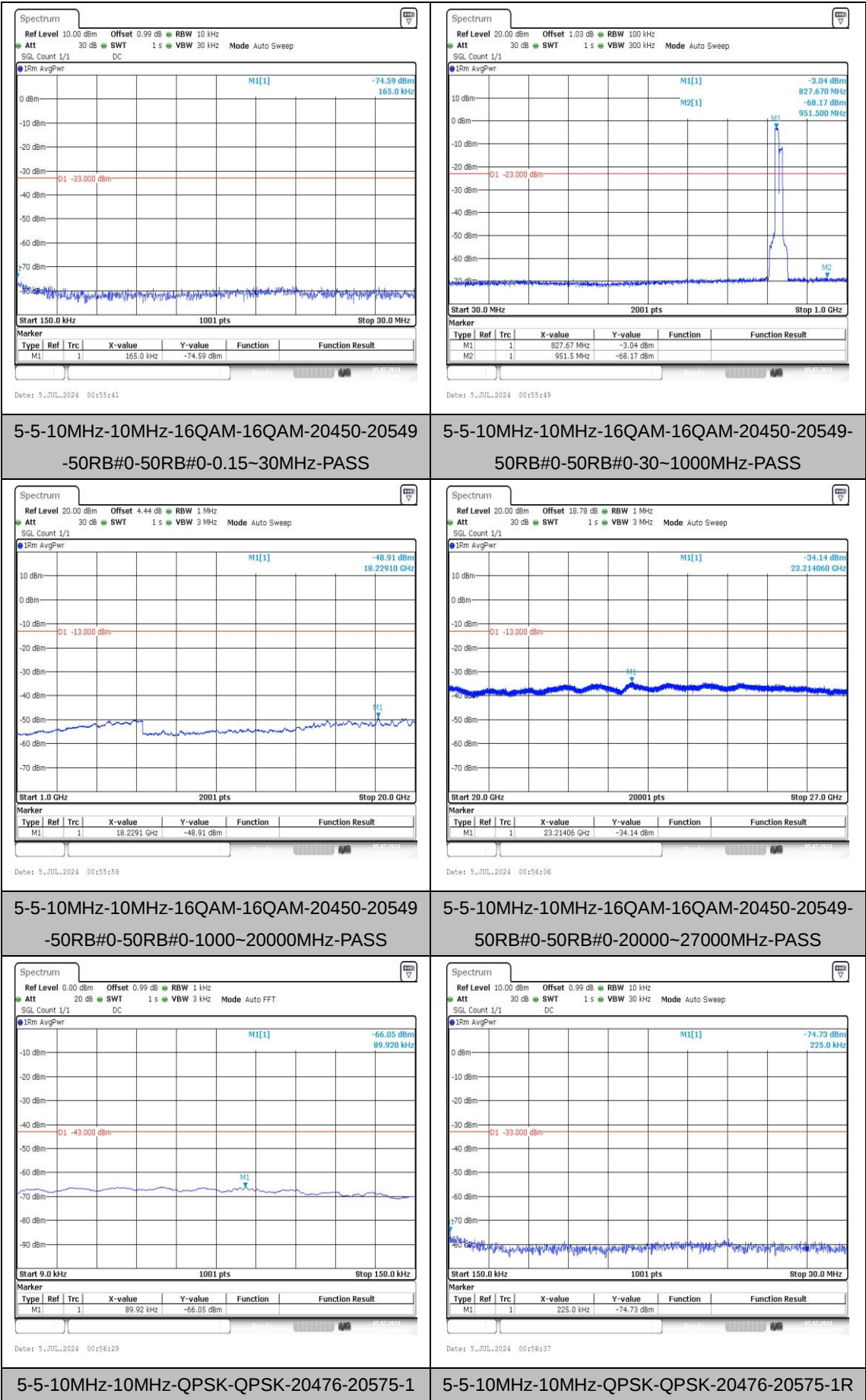
5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1

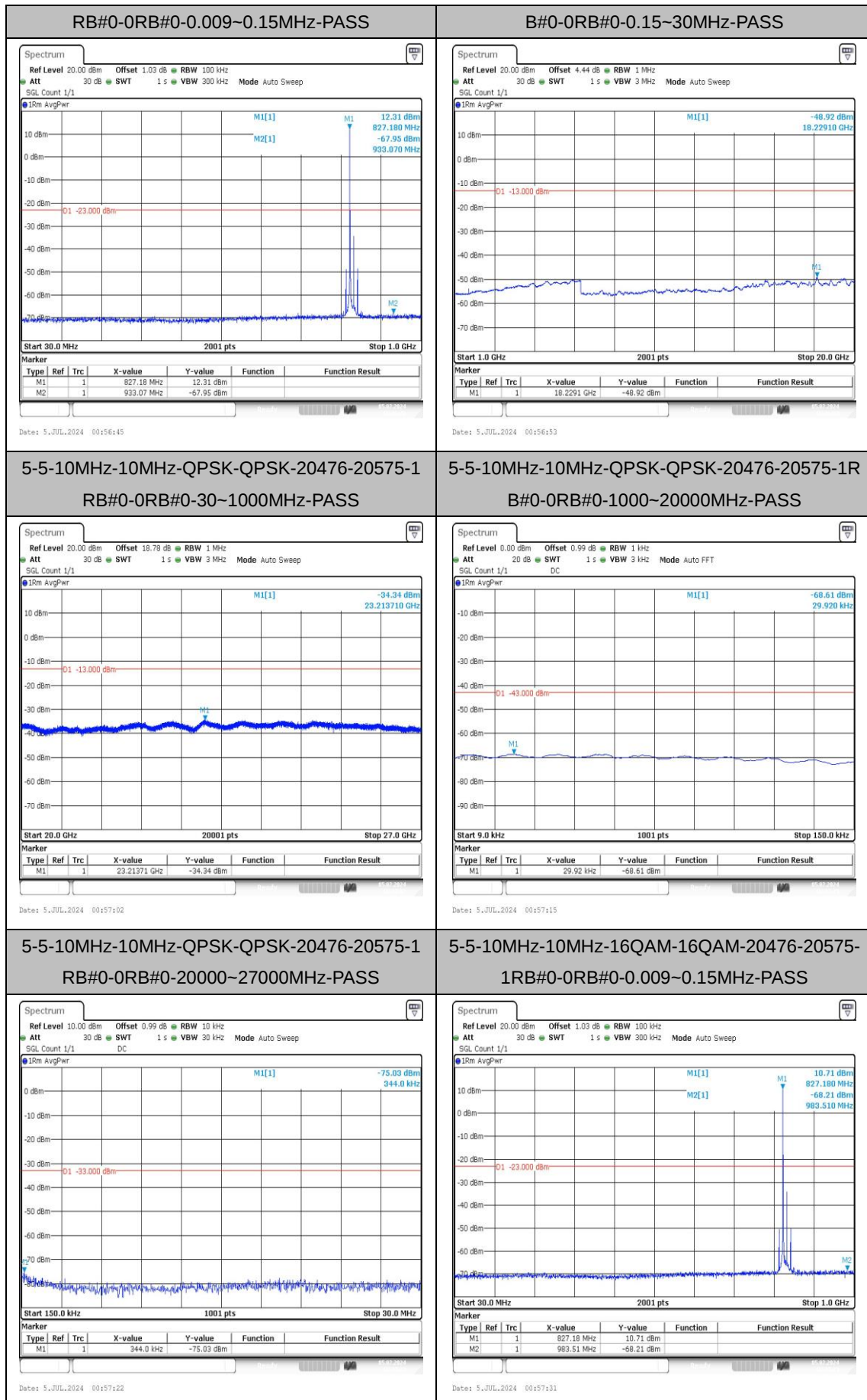


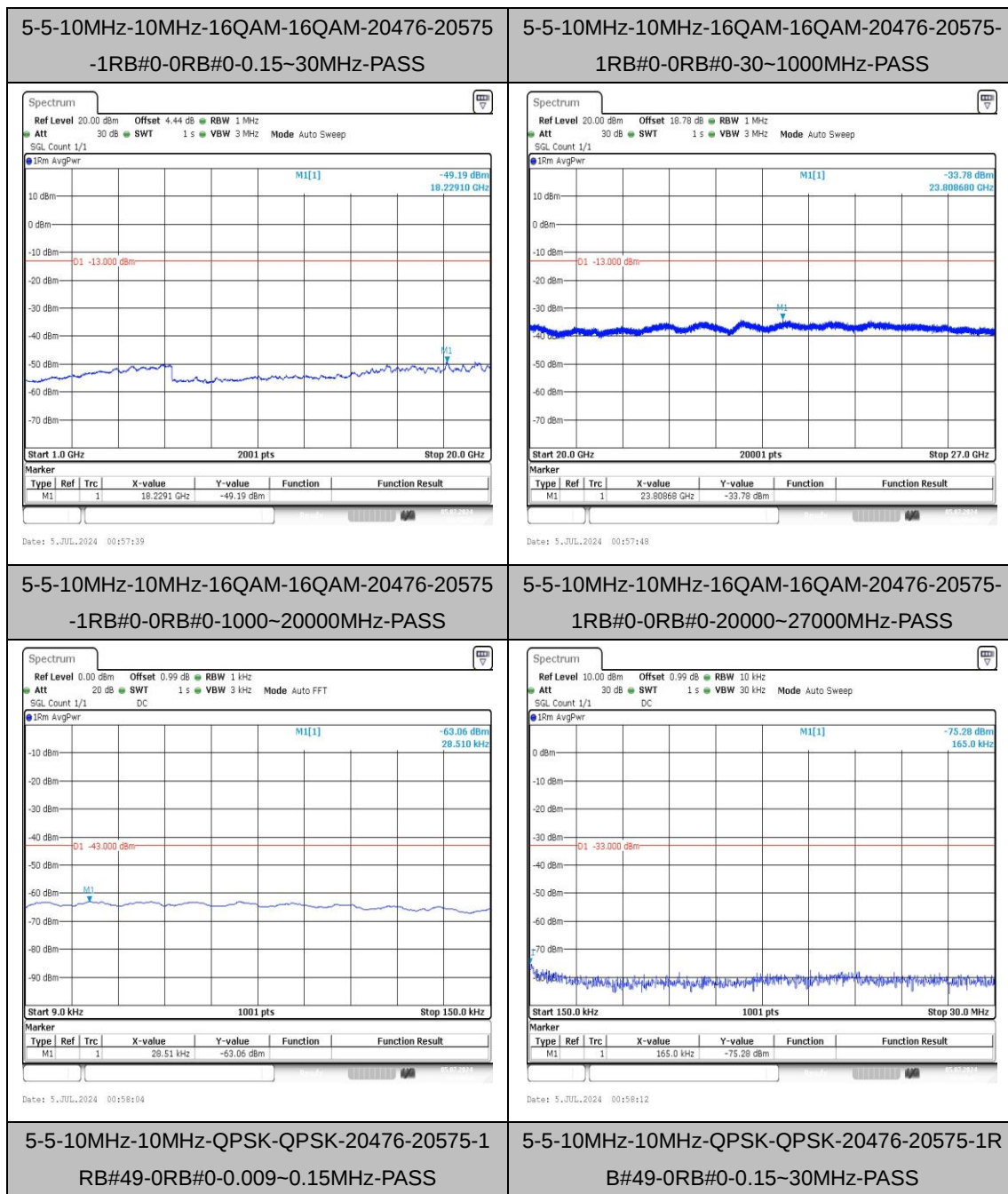
5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-

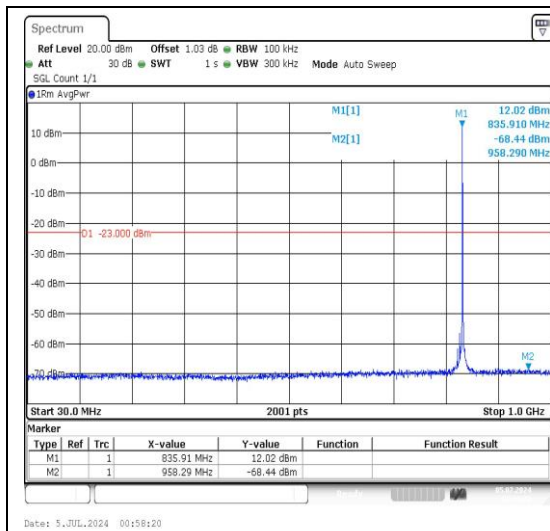
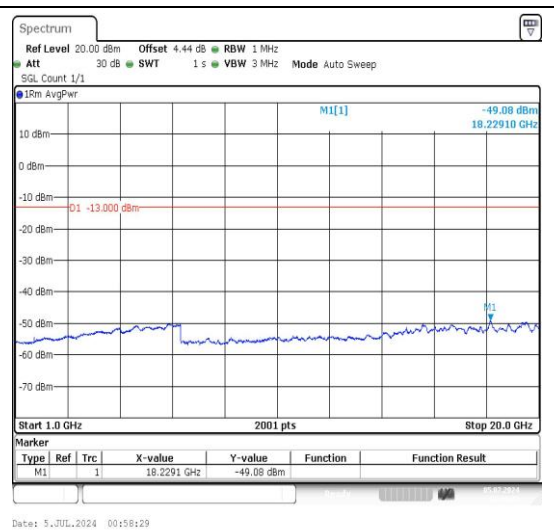
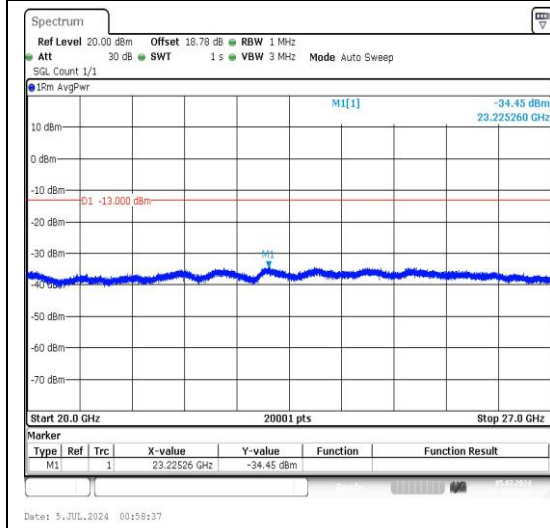
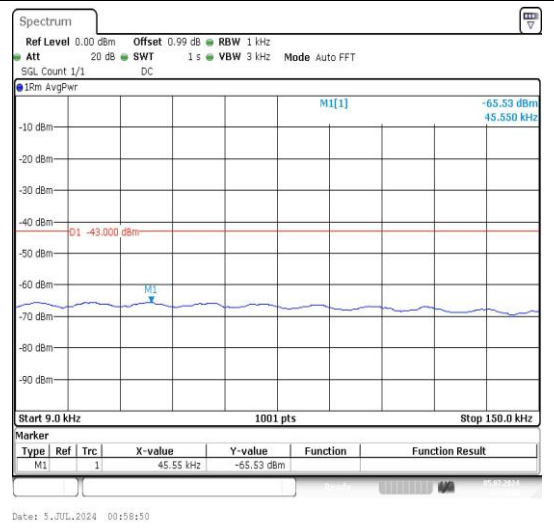
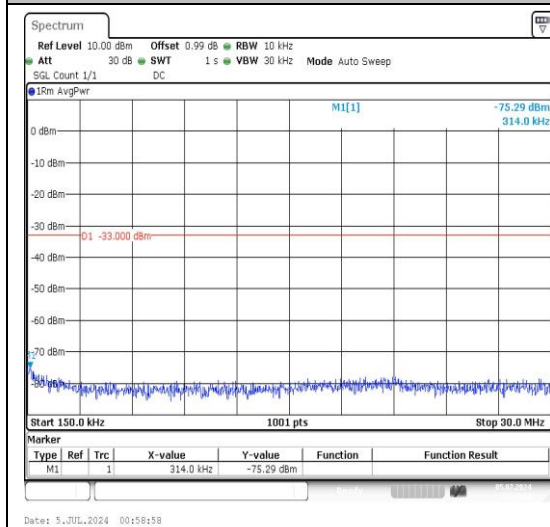




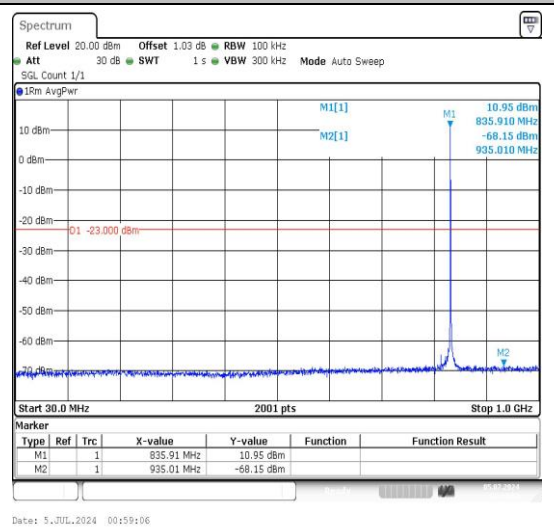




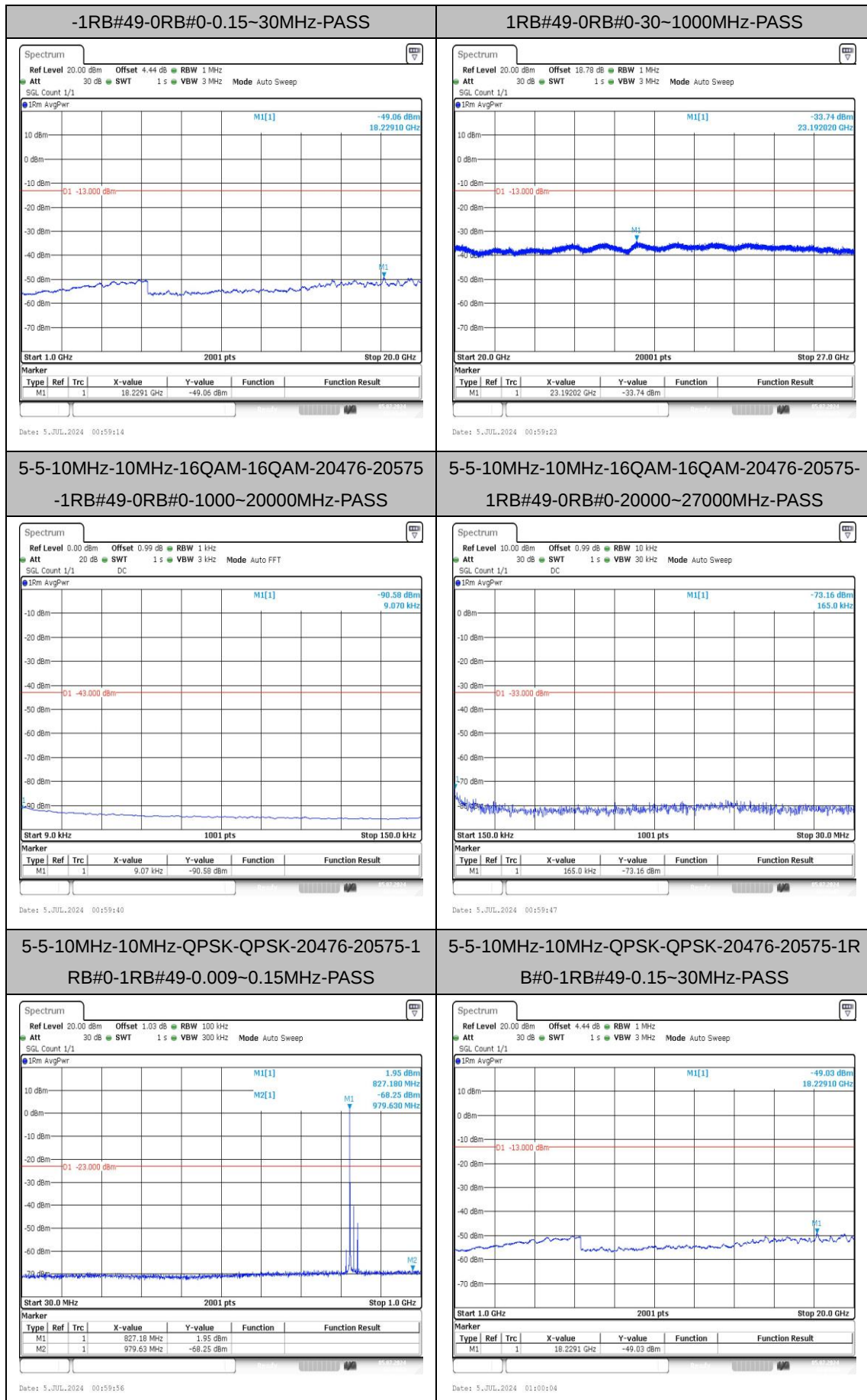


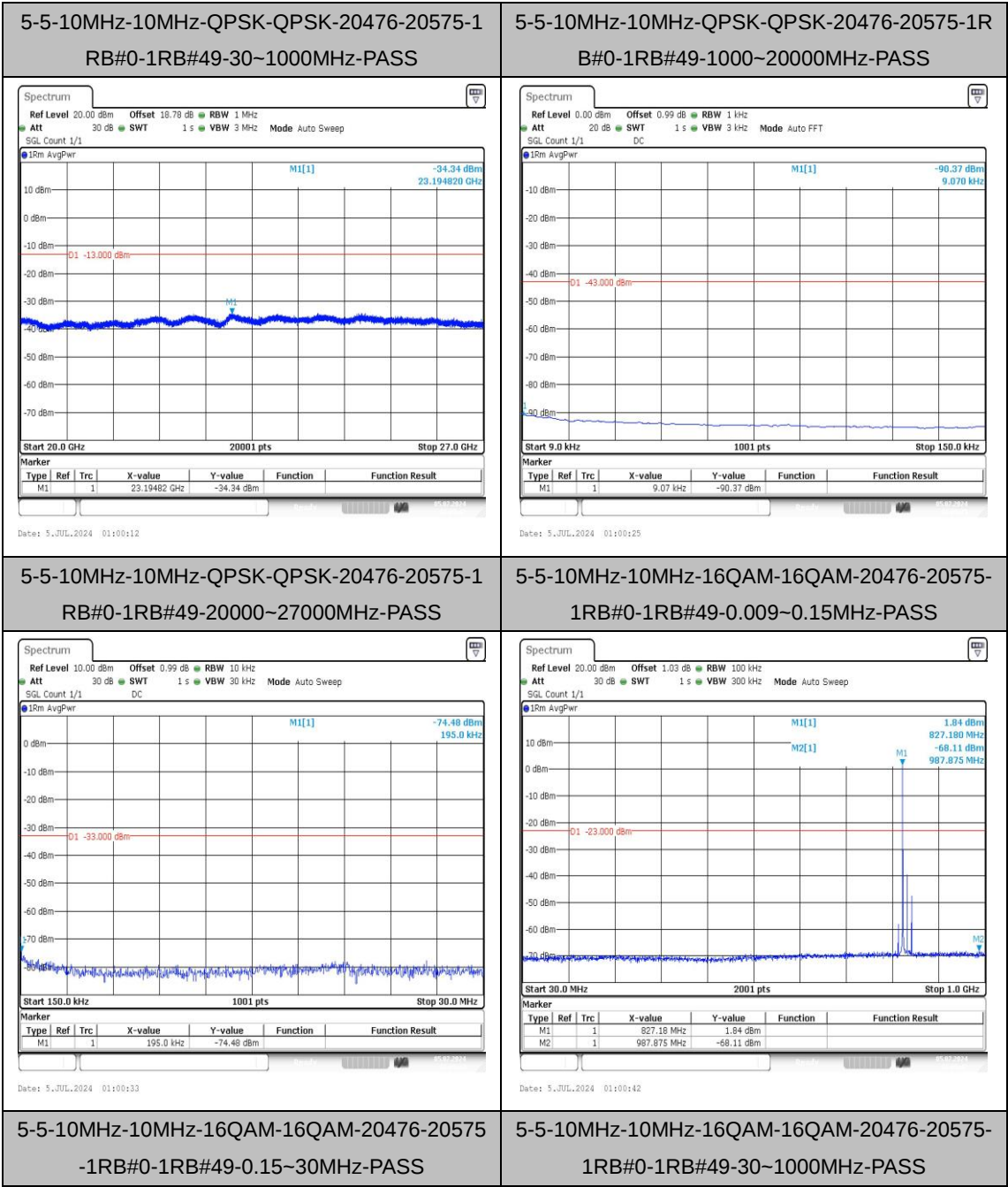
5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-1
RB#49-ORB#0-30~1000MHz-PASS5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-1R
B#49-ORB#0-1000~20000MHz-PASS5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-1
RB#49-ORB#0-20000~27000MHz-PASS5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-
1RB#49-ORB#0-0.009~0.15MHz-PASS

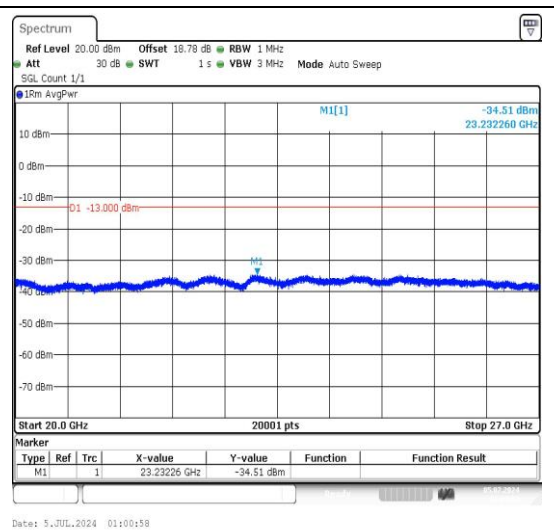
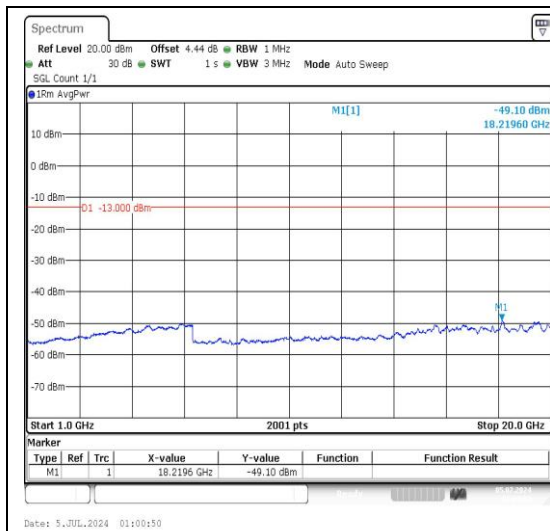
5-5-10MHz-10MHz-16QAM-16QAM-20476-20575



5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-

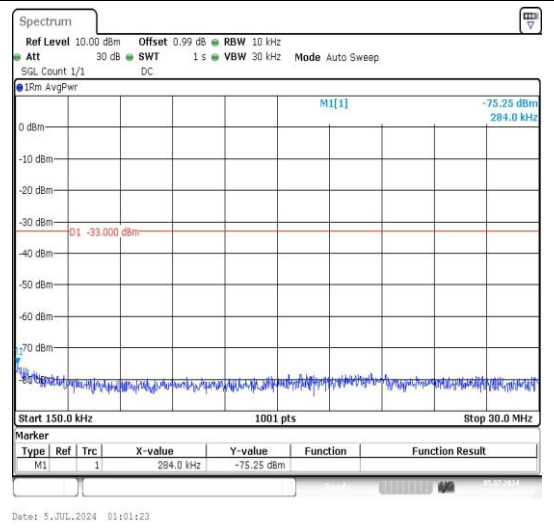
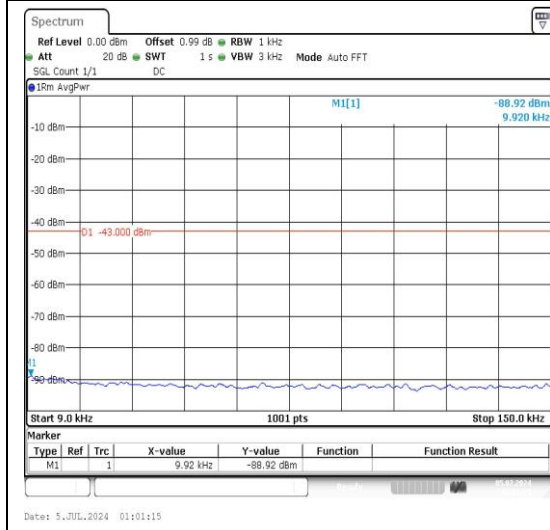






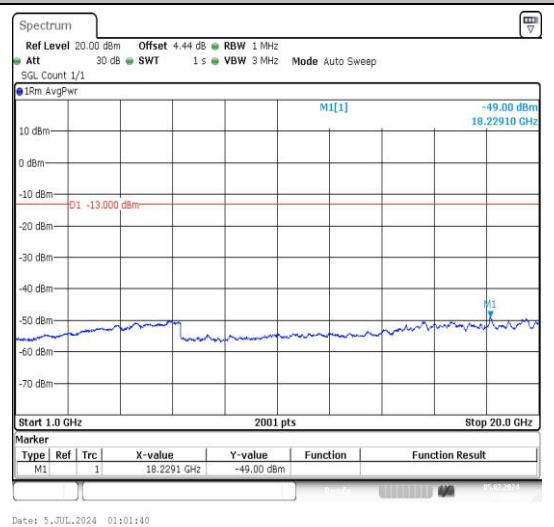
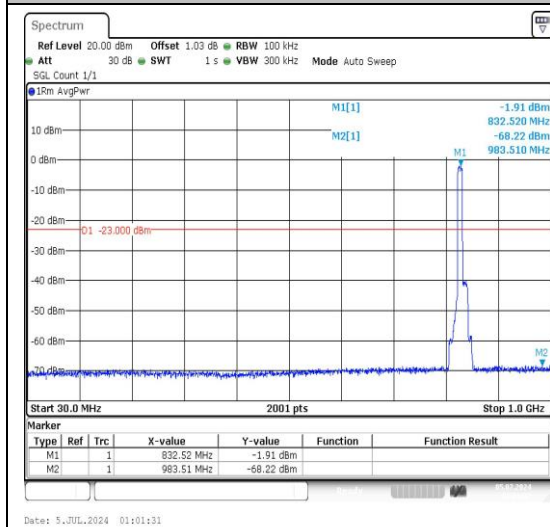
5-5-10MHz-10MHz-16QAM-16QAM-20476-20575
-1RB#0-1RB#49-1000~20000MHz-PASS

5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-
1RB#0-1RB#49-20000~27000MHz-PASS



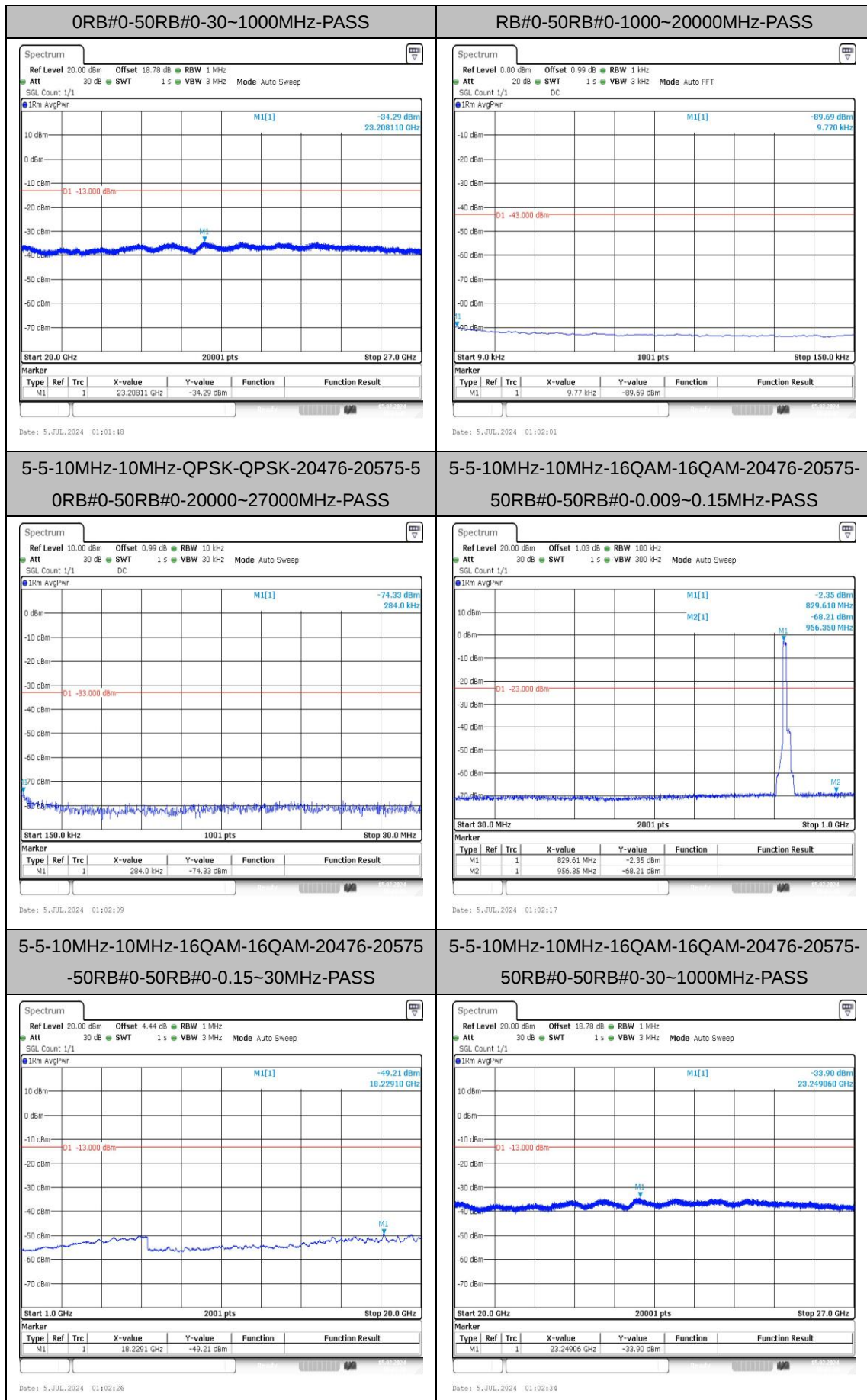
5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-5
ORB#0-50RB#0-0.009~0.15MHz-PASS

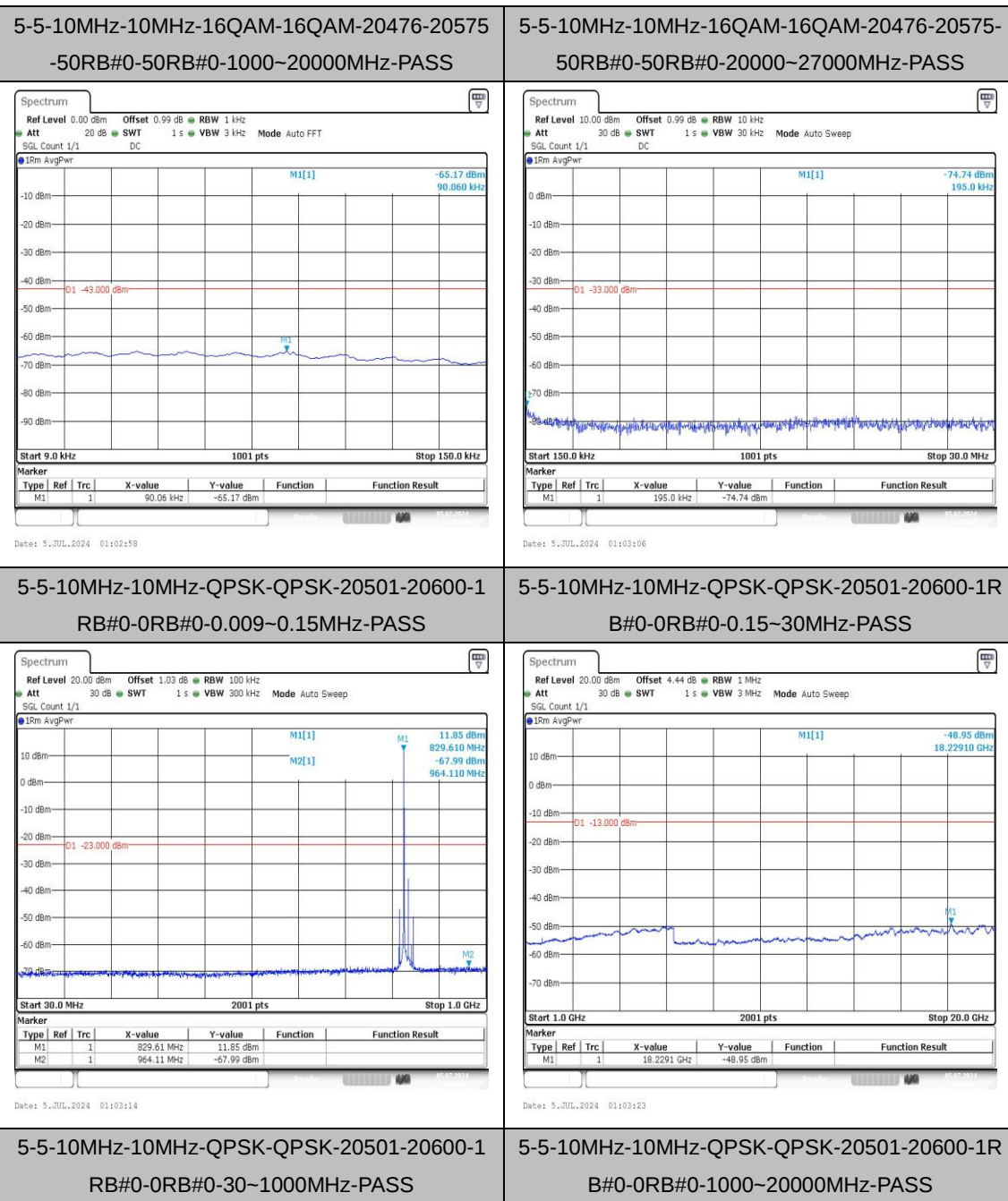
5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-50
RB#0-50RB#0-0.15~30MHz-PASS

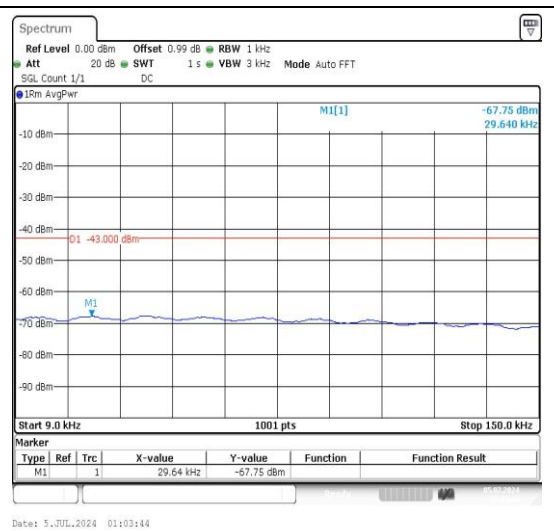
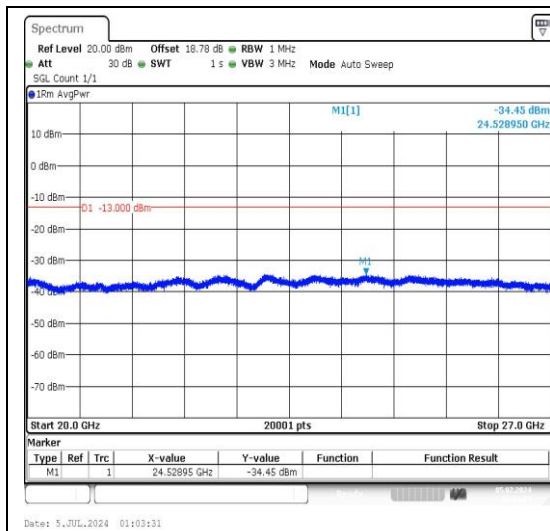


5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-5

5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-50

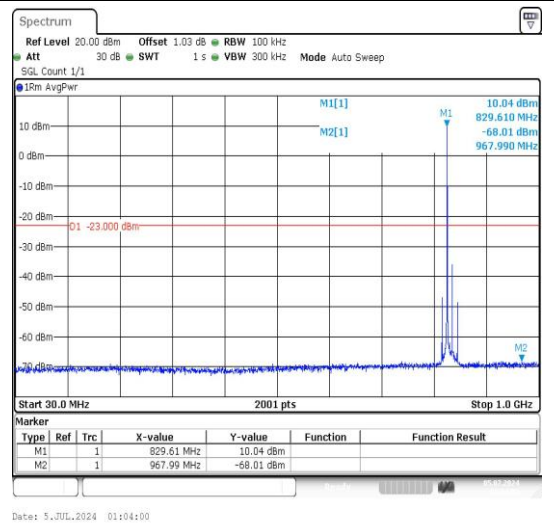
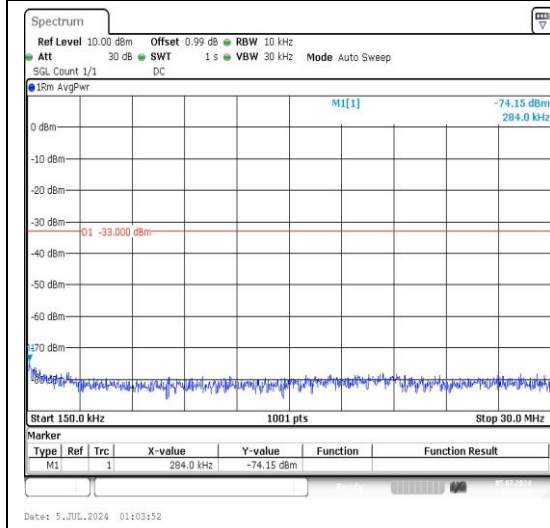






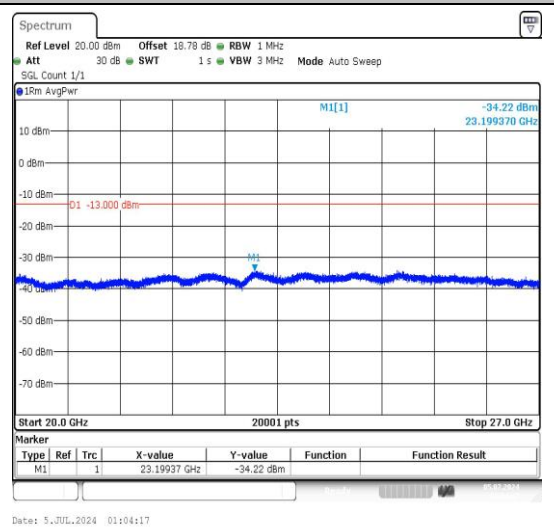
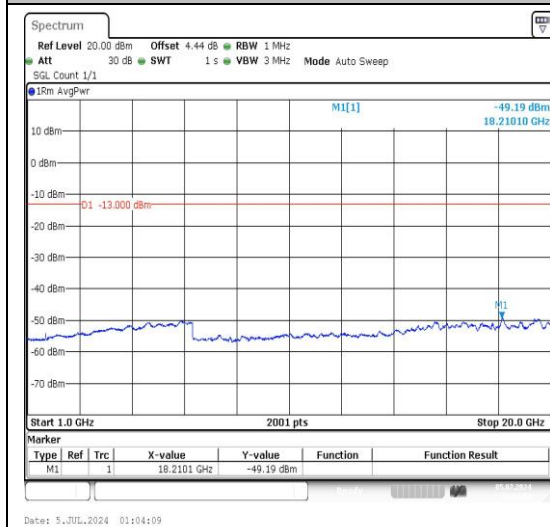
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1
RB#0-ORB#0-20000~27000MHz-PASS

5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-
1RB#0-ORB#0-0.009~0.15MHz-PASS



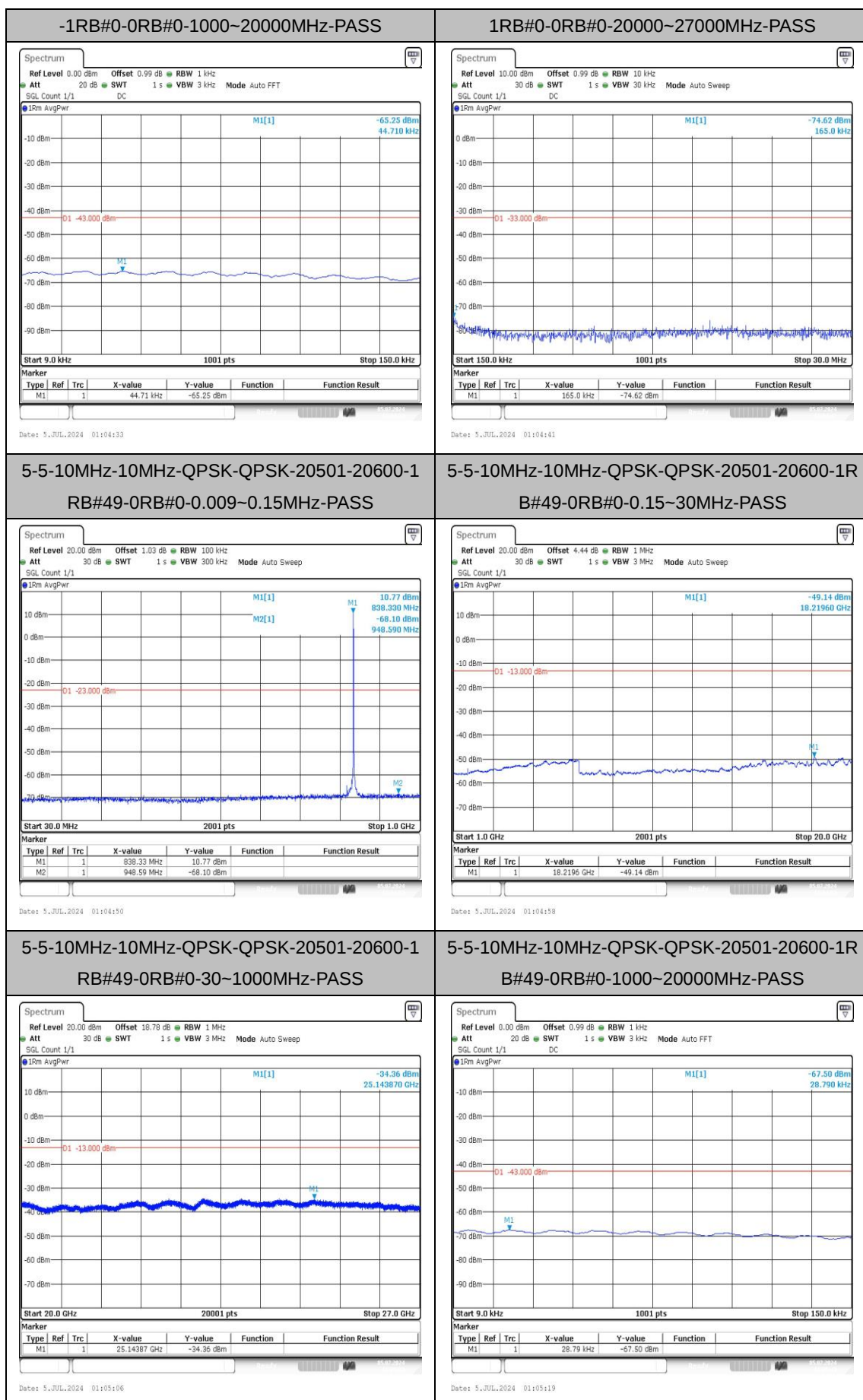
5-5-10MHz-10MHz-16QAM-16QAM-20501-20600
-1RB#0-ORB#0-0.15~30MHz-PASS

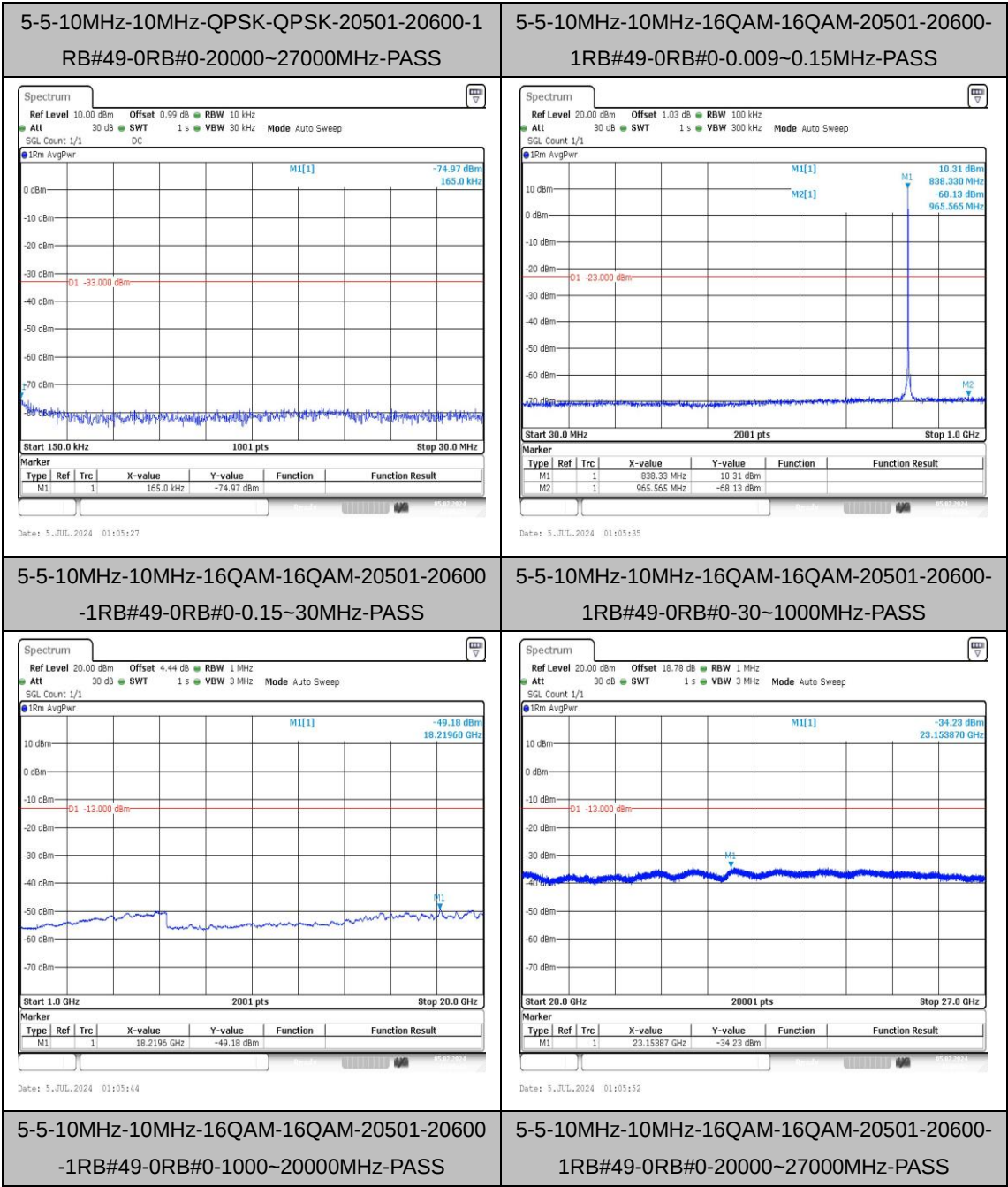
5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-
1RB#0-ORB#0-30~1000MHz-PASS

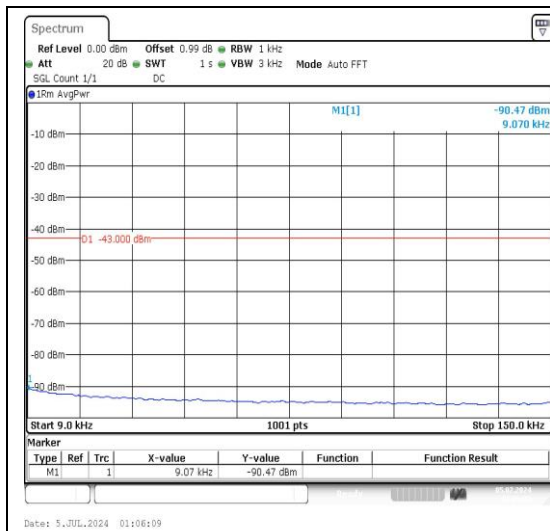


5-5-10MHz-10MHz-16QAM-16QAM-20501-20600

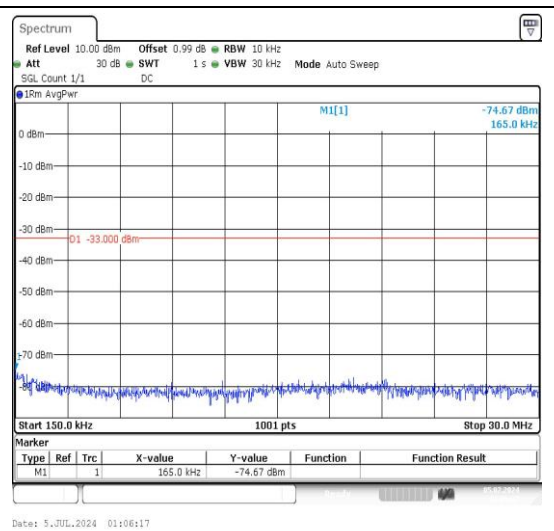
5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-



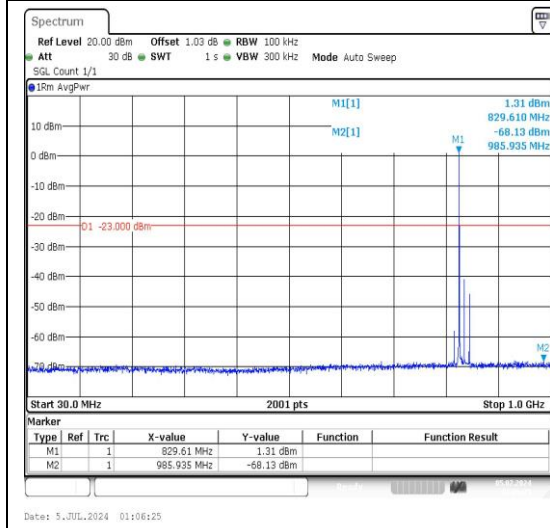




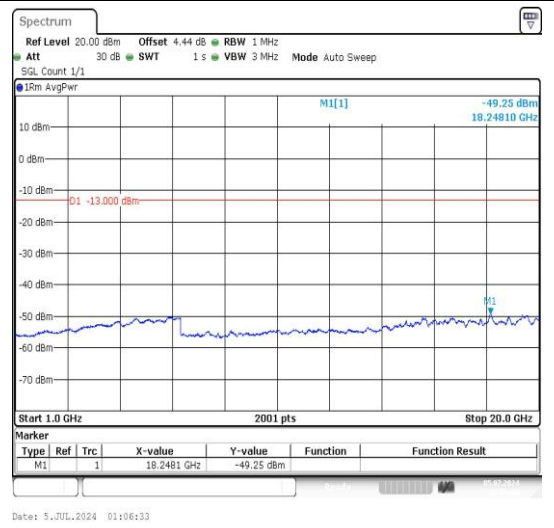
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1
RB#0-1RB#49-0.009~0.15MHz-PASS



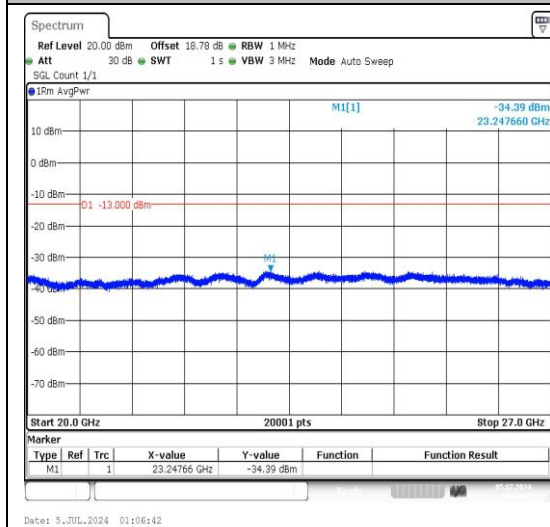
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1R
B#0-1RB#49-0.15~30MHz-PASS



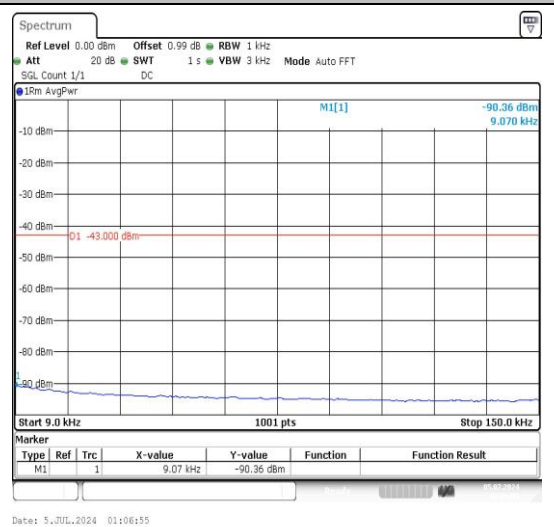
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1
RB#0-1RB#49-30~1000MHz-PASS



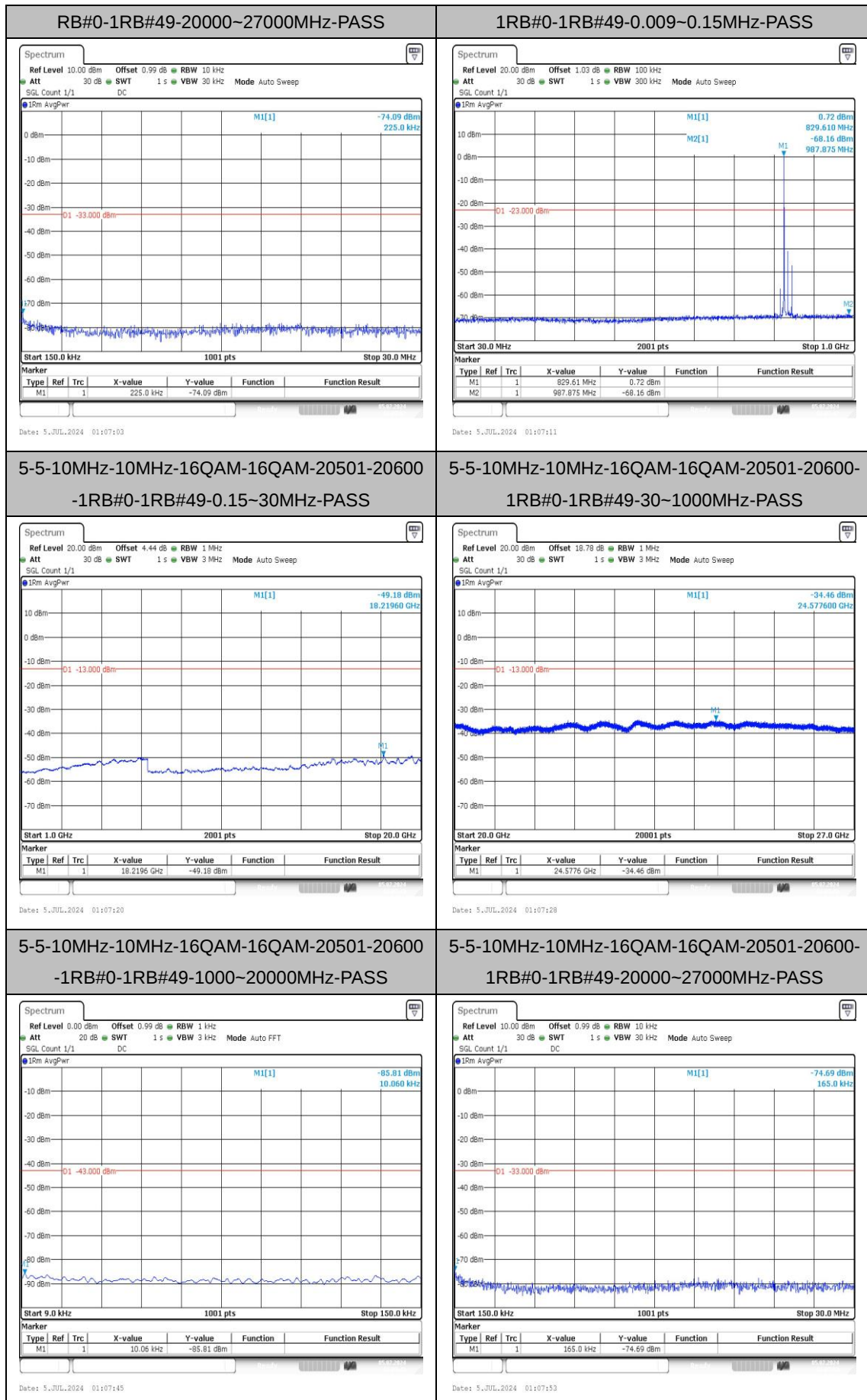
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1R
B#0-1RB#49-1000~20000MHz-PASS

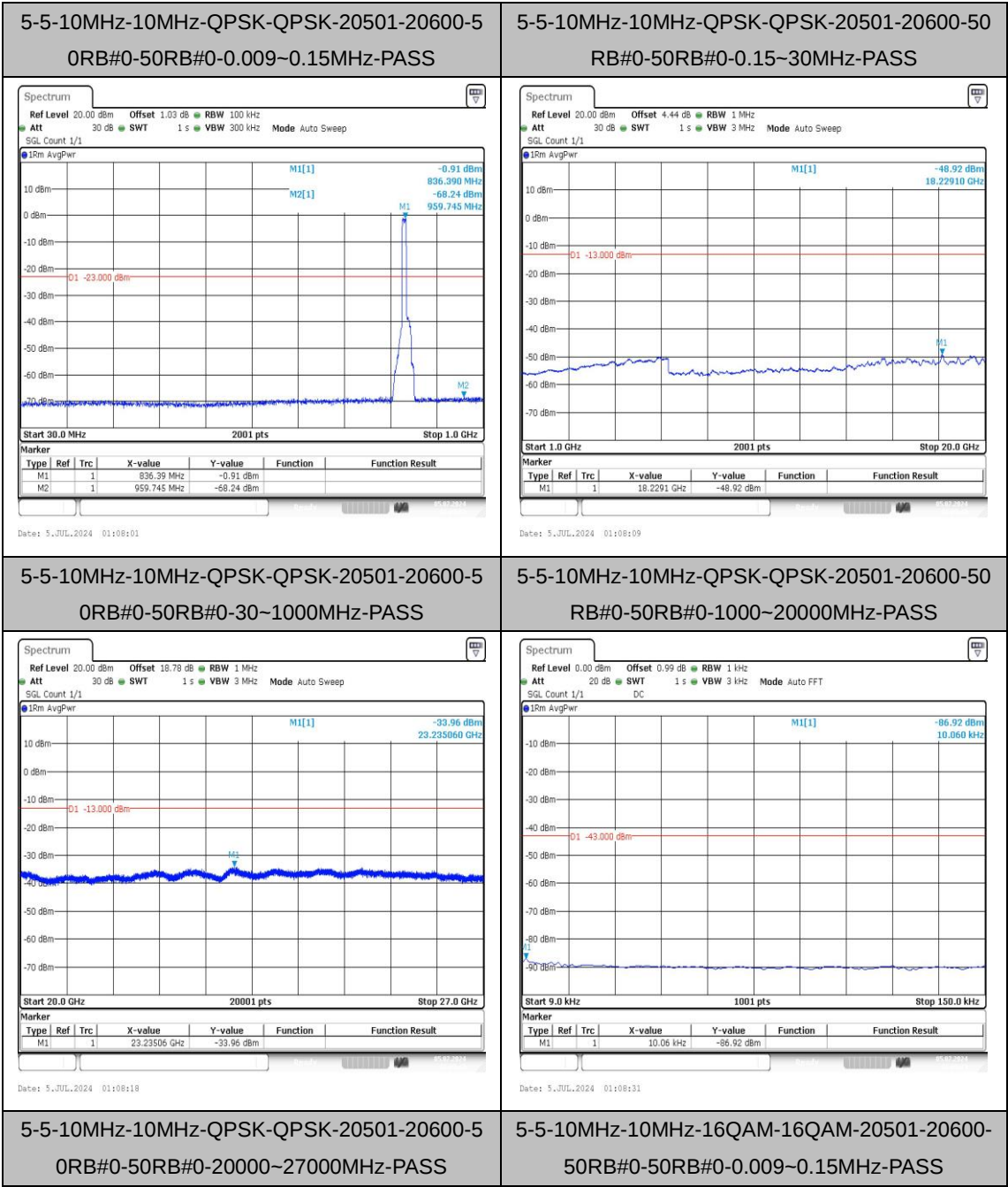


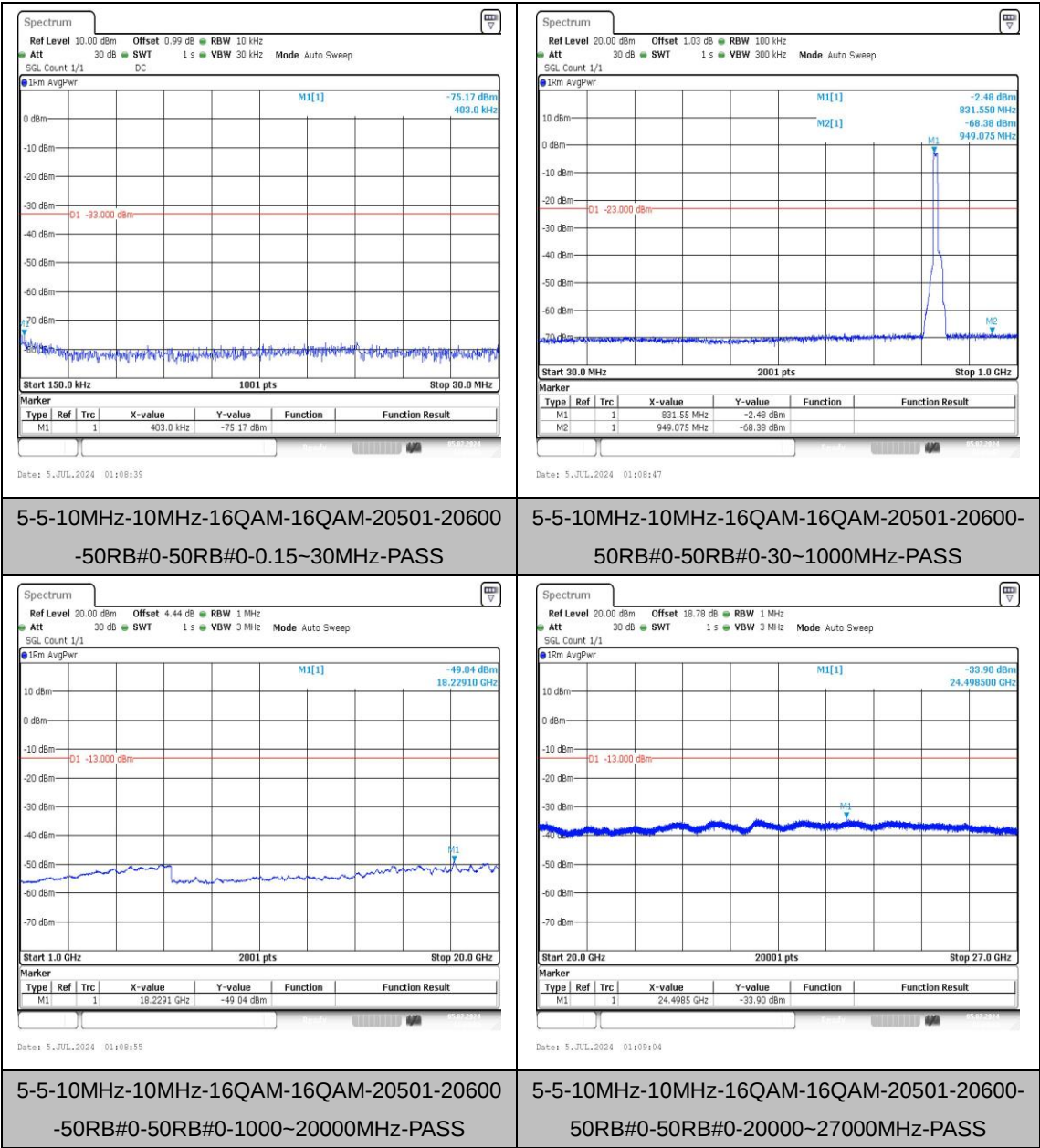
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1



5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-







Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5-5	3MHz-5 MHz	QPSK-Q PSK	20416-20455	15RB#0-2 5RB#0	VN	NT	10.80	0.013081	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20416-20455	15RB#0-2 5RB#0	VL	NT	18.80	0.022771	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20416-20455	15RB#0-2 5RB#0	VH	NT	9.71	0.011761	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-2 5RB#0	VN	NT	12.99	0.015734	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-2 5RB#0	VL	NT	10.73	0.012997	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-2 5RB#0	VH	NT	12.46	0.015092	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501-20540	15RB#0-2 5RB#0	VN	NT	14.00	0.016785	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501-20540	15RB#0-2 5RB#0	VL	NT	13.49	0.016173	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501-20540	15RB#0-2 5RB#0	VH	NT	12.79	0.015334	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20501-20540	15RB#0-2 5RB#0	VN	NT	13.12	0.015730	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20501-20540	15RB#0-2 5RB#0	VL	NT	13.73	0.016461	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20501-20540	15RB#0-2 5RB#0	VH	NT	10.94	0.013116	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586-20625	15RB#0-2 5RB#0	VN	NT	11.29	0.013399	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586-20625	15RB#0-2 5RB#0	VL	NT	10.69	0.012687	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586-20625	15RB#0-2 5RB#0	VH	NT	11.17	0.013257	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20586-20625	15RB#0-2 5RB#0	VN	NT	12.75	0.015132	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20586-20625	15RB#0-2 5RB#0	VL	NT	11.32	0.013435	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20586-20625	15RB#0-2 5RB#0	VH	NT	11.12	0.013197	±2.5	PASS

5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	VN	NT	6.71	0.008119	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	VL	NT	5.92	0.007163	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	VH	NT	5.79	0.007005	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	VN	NT	9.87	0.011942	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	VL	NT	7.27	0.008796	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	VH	NT	6.82	0.008252	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	VN	NT	8.14	0.009749	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	VL	NT	6.88	0.008240	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	VH	NT	6.47	0.007749	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	VN	NT	8.94	0.010707	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	VL	NT	8.43	0.010096	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	VH	NT	8.60	0.010299	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	VN	NT	7.18	0.008512	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	VL	NT	6.12	0.007255	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	VH	NT	6.45	0.007647	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	VN	NT	10.27	0.012175	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	VL	NT	8.38	0.009935	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	VH	NT	8.43	0.009994	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	VN	NT	10.93	0.013220	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	VL	NT	12.22	0.014780	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	VH	NT	13.46	0.016280	±2.5	PASS
5-5	5MHz-1	16QAM-	20428-	25RB#0-5	VN	NT	14.59	0.017646	±2.5	PASS

	0MHz	16QAM	20500	0RB#0						
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	VL	NT	17.98	0.021746	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	VH	NT	16.09	0.019461	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	VN	NT	15.25	0.018334	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	VL	NT	15.86	0.019067	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	VH	NT	18.02	0.021664	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20478- 20550	25RB#0-5 0RB#0	VN	NT	26.08	0.031354	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20478- 20550	25RB#0-5 0RB#0	VL	NT	17.74	0.021327	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20478- 20550	25RB#0-5 0RB#0	VH	NT	25.71	0.030909	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20528- 20600	25RB#0-5 0RB#0	VN	NT	22.09	0.026398	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20528- 20600	25RB#0-5 0RB#0	VL	NT	29.94	0.035779	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20528- 20600	25RB#0-5 0RB#0	VH	NT	22.42	0.026793	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20528- 20600	25RB#0-5 0RB#0	VN	NT	21.62	0.025837	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20528- 20600	25RB#0-5 0RB#0	VL	NT	21.06	0.025167	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20528- 20600	25RB#0-5 0RB#0	VH	NT	18.50	0.022108	±2.5	PASS
5-5	10MHz- 5MHz	QPSK-Q PSK	20450- 20522	50RB#0-2 5RB#0	VN	NT	9.74	0.011749	±2.5	PASS
5-5	10MHz- 5MHz	QPSK-Q PSK	20450- 20522	50RB#0-2 5RB#0	VL	NT	11.92	0.014379	±2.5	PASS
5-5	10MHz- 5MHz	QPSK-Q PSK	20450- 20522	50RB#0-2 5RB#0	VH	NT	11.30	0.013631	±2.5	PASS
5-5	10MHz- 5MHz	16QAM- 16QAM	20450- 20522	50RB#0-2 5RB#0	VN	NT	16.78	0.020241	±2.5	PASS
5-5	10MHz- 5MHz	16QAM- 16QAM	20450- 20522	50RB#0-2 5RB#0	VL	NT	10.13	0.012220	±2.5	PASS
5-5	10MHz- 5MHz	16QAM- 16QAM	20450- 20522	50RB#0-2 5RB#0	VH	NT	16.08	0.019397	±2.5	PASS
5-5	10MHz- 5MHz	QPSK-Q PSK	20500- 20572	50RB#0-2 5RB#0	VN	NT	19.64	0.023549	±2.5	PASS

5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	VL	NT	12.15	0.014568	±2.5	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	VH	NT	17.81	0.021355	±2.5	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	VN	NT	19.67	0.023585	±2.5	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	VL	NT	10.16	0.012182	±2.5	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	VH	NT	9.96	0.011942	±2.5	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	VN	NT	12.50	0.014899	±2.5	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	VL	NT	11.67	0.013909	±2.5	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	VH	NT	11.10	0.013230	±2.5	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	VN	NT	13.35	0.015912	±2.5	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	VL	NT	12.75	0.015197	±2.5	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	VH	NT	12.23	0.014577	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	VN	NT	21.51	0.025947	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	VL	NT	20.53	0.024765	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	VH	NT	22.42	0.027045	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	VN	NT	28.10	0.033896	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	VL	NT	22.93	0.027660	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	VH	NT	20.47	0.024692	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VN	NT	22.34	0.026864	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VL	NT	24.13	0.029016	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VH	NT	30.33	0.036472	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	VN	NT	26.38	0.031722	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	VL	NT	21.30	0.025613	±2.5	PASS

	10MHz	16QAM	20575	0RB#0						
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	VH	NT	22.85	0.027477	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	VN	NT	20.28	0.024314	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	VL	NT	19.87	0.023822	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	VH	NT	21.33	0.025572	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	VN	NT	21.96	0.026328	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	VL	NT	22.75	0.027275	±2.5	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	VH	NT	21.66	0.025968	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	-50	19.21	0.023268	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	-30	11.84	0.014341	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	-20	11.10	0.013445	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	-10	20.76	0.025145	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	0	11.04	0.013372	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	10	13.03	0.015782	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	20	13.23	0.016025	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	NV	30	20.16	0.024419	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	NV	-50	13.72	0.016618	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	NV	-30	19.87	0.024067	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	NV	-20	18.34	0.022214	±2.5	PASS
5-5	3MHz-5 MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	NV	-10	11.00	0.013324	±2.5	PASS

	MHz	16QAM	20455	5RB#0						
5-5	3MHz-5 MHz	16QAM- 16QAM	20416- 20455	15RB#0-2 5RB#0	NV	0	18.12	0.021948	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20416- 20455	15RB#0-2 5RB#0	NV	10	22.23	0.026926	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20416- 20455	15RB#0-2 5RB#0	NV	20	13.46	0.016303	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20416- 20455	15RB#0-2 5RB#0	NV	30	20.66	0.025024	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	-50	13.82	0.016569	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	-30	14.18	0.017000	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	-20	12.92	0.015490	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	-10	13.63	0.016341	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	0	12.87	0.015430	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	10	14.31	0.017156	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	20	11.57	0.013871	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20501- 20540	15RB#0-2 5RB#0	NV	30	13.00	0.015586	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	-50	13.70	0.016425	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	-30	13.95	0.016725	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	-20	11.36	0.013619	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	-10	12.52	0.015010	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	0	12.55	0.015046	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	10	12.03	0.014423	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	20	13.65	0.016365	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20501- 20540	15RB#0-2 5RB#0	NV	30	12.82	0.015370	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	-50	11.33	0.013446	±2.5	PASS

5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	-30	10.70	0.012699	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	-20	11.09	0.013162	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	-10	10.71	0.012711	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	0	11.79	0.013992	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	10	13.59	0.016129	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	20	13.66	0.016212	±2.5	PASS
5-5	3MHz-5 MHz	QPSK-Q PSK	20586- 20625	15RB#0-2 5RB#0	NV	30	12.46	0.014788	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	-50	11.79	0.013992	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	-30	11.20	0.013292	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	-20	11.09	0.013162	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	-10	13.96	0.016568	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	0	10.76	0.012770	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	10	11.07	0.013138	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	20	12.47	0.014799	±2.5	PASS
5-5	3MHz-5 MHz	16QAM- 16QAM	20586- 20625	15RB#0-2 5RB#0	NV	30	13.02	0.015452	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	-50	6.12	0.007405	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	-30	6.55	0.007925	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	-20	6.22	0.007526	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	-10	6.41	0.007756	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	0	7.11	0.008603	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	10	9.20	0.011131	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q	20425-	25RB#0-1	NV	20	8.51	0.010296	±2.5	PASS

	MHz	PSK	20464	5RB#0						
5-5	5MHz-3 MHz	QPSK-Q PSK	20425- 20464	25RB#0-1 5RB#0	NV	30	6.57	0.007949	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	-50	14.65	0.017725	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	-30	16.65	0.020145	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	-20	7.48	0.009050	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	-10	8.64	0.010454	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	0	8.23	0.009958	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	10	16.57	0.020048	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	20	7.18	0.008687	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20425- 20464	25RB#0-1 5RB#0	NV	30	7.50	0.009074	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	-50	6.74	0.008072	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	-30	8.47	0.010144	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	-20	7.38	0.008838	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	-10	8.13	0.009737	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	0	9.16	0.010970	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	10	7.85	0.009401	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	20	7.70	0.009222	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20510- 20549	25RB#0-1 5RB#0	NV	30	8.97	0.010743	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	-50	8.54	0.010228	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	-30	8.00	0.009581	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	-20	8.96	0.010731	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	-10	9.24	0.011066	±2.5	PASS

5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	0	10.39	0.012443	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	10	8.08	0.009677	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	20	9.77	0.011701	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20510- 20549	25RB#0-1 5RB#0	NV	30	10.26	0.012287	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	-50	4.36	0.005169	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	-30	6.02	0.007137	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	-20	7.28	0.008631	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	-10	6.07	0.007196	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	0	5.08	0.006023	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	10	6.19	0.007338	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	20	6.78	0.008038	±2.5	PASS
5-5	5MHz-3 MHz	QPSK-Q PSK	20595- 20634	25RB#0-1 5RB#0	NV	30	8.00	0.009484	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	-50	9.06	0.010741	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	-30	8.73	0.010350	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	-20	8.78	0.010409	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	-10	8.38	0.009935	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	0	9.13	0.010824	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	10	8.44	0.010006	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	20	7.87	0.009330	±2.5	PASS
5-5	5MHz-3 MHz	16QAM- 16QAM	20595- 20634	25RB#0-1 5RB#0	NV	30	20.50	0.024303	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	-50	14.82	0.017925	±2.5	PASS
5-5	5MHz-1	QPSK-Q	20428-	25RB#0-5	NV	-30	14.03	0.016969	±2.5	PASS

	0MHz	PSK	20500	0RB#0						
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	-20	13.82	0.016715	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	-10	13.55	0.016388	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	0	22.44	0.027141	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	10	14.45	0.017477	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	20	16.44	0.019884	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20428- 20500	25RB#0-5 0RB#0	NV	30	17.42	0.021069	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	-50	22.17	0.026814	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	-30	16.44	0.019884	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	-20	17.35	0.020985	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	-10	17.92	0.021674	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	0	21.26	0.025714	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	10	17.02	0.020585	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	20	23.92	0.028931	±2.5	PASS
5-5	5MHz-1 0MHz	16QAM- 16QAM	20428- 20500	25RB#0-5 0RB#0	NV	30	19.43	0.023500	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	-50	17.15	0.020618	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	-30	25.33	0.030452	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	-20	23.26	0.027963	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	-10	25.53	0.030692	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	0	25.32	0.030440	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	10	24.13	0.029009	±2.5	PASS
5-5	5MHz-1 0MHz	QPSK-Q PSK	20478- 20550	25RB#0-5 0RB#0	NV	20	23.70	0.028492	±2.5	PASS