

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain(dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.9	2.06	24.96	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.02	2.06	24.08	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.99	2.06	25.05	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.83	2.06	24.89	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.76	2.06	24.82	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.1	2.06	24.16	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.89	2.06	24.95	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.75	2.06	24.81	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.92	2.06	24.98	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.87	2.06	23.93	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.79	2.06	24.85	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.82	2.06	24.88	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.15	2.06	24.21	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.92	2.06	22.98	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.28	2.06	24.34	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.11	2.06	24.17	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.32	2.06	24.38	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.06	2.06	23.12	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.3	2.06	24.36	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.24	2.06	24.3	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.87	2.06	23.93	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.88	2.06	22.94	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.15	2.06	24.21	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.16	2.06	24.22	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.93	2.06	24.99	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.06	2.06	24.12	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.04	2.06	25.1	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.9	2.06	24.96	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.8	2.06	24.86	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.99	2.06	24.05	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.83	2.06	24.89	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.9	2.06	24.96	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.81	2.06	24.87	33	PASS

Band38	10MHz	QPSK	38200	50RB#0	22.07	2.06	24.13	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.85	2.06	24.91	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.81	2.06	24.87	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.59	2.06	24.65	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.03	2.06	23.09	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.36	2.06	24.42	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.59	2.06	24.65	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.13	2.06	24.19	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.1	2.06	23.16	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.28	2.06	24.34	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.15	2.06	24.21	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.99	2.06	24.05	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.99	2.06	23.05	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.03	2.06	24.09	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.99	2.06	24.05	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.92	2.06	24.98	33	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.05	2.06	24.11	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.05	2.06	24.11	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.88	2.06	24.94	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.9	2.06	24.96	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.69	2.06	24.75	33	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.03	2.06	24.09	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.02	2.06	24.08	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.69	2.06	24.75	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.62	2.06	24.68	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.82	2.06	24.88	33	PASS
Band38	15MHz	QPSK	38175	38RB#0	22	2.06	24.06	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	22	2.06	24.06	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.91	2.06	24.97	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.84	2.06	24.9	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.48	2.06	24.54	33	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.05	2.06	24.11	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.05	2.06	23.11	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.43	2.06	24.49	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.39	2.06	24.45	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.92	2.06	23.98	33	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.02	2.06	24.08	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.16	2.06	23.22	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.92	2.06	23.98	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.97	2.06	24.03	33	PASS

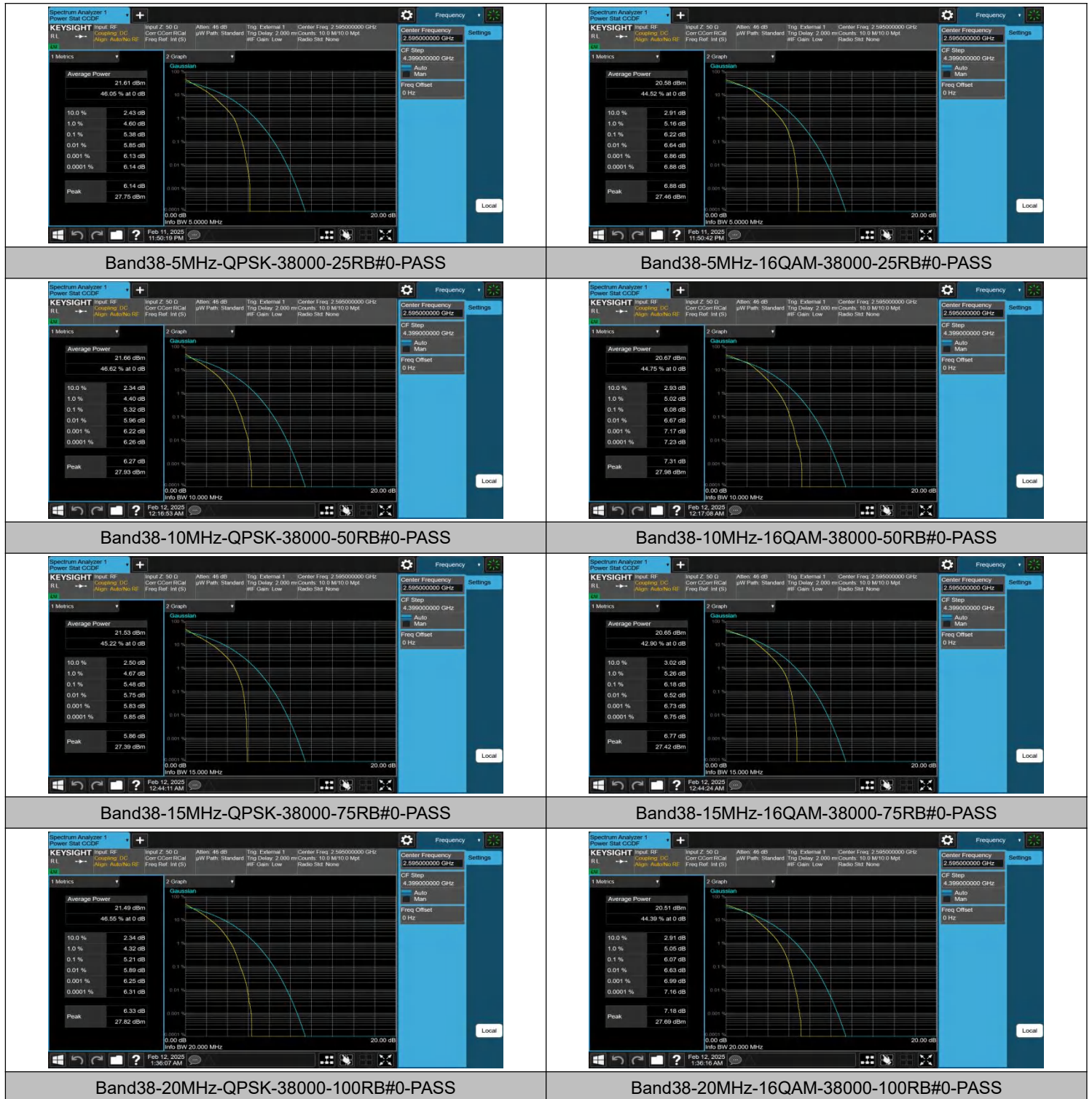
Band38	15MHz	16QAM	38175	1RB#0	21.74	2.06	23.8	33	PASS
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Band38	15MHz	16QAM	38175	75RB#0	21.02	2.06	23.08	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.68	2.06	23.74	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.86	2.06	23.92	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.73	2.06	24.79	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.89	2.06	23.95	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.04	2.06	25.1	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.61	2.06	24.67	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.6	2.06	24.66	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.93	2.06	23.99	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	23	2.06	25.06	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.66	2.06	24.72	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.77	2.06	24.83	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.9	2.06	23.96	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.04	2.06	25.1	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.81	2.06	24.87	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.19	2.06	24.25	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.88	2.06	22.94	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.76	2.06	24.82	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.07	2.06	24.13	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.27	2.06	24.33	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.93	2.06	22.99	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.24	2.06	24.3	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.07	2.06	24.13	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.01	2.06	24.07	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.91	2.06	22.97	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.83	2.06	23.89	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.88	2.06	23.94	33	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	38000	25RB#0	5.38	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.22	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.32	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.08	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.48	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.18	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.21	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.07	13	PASS

Test Graphs

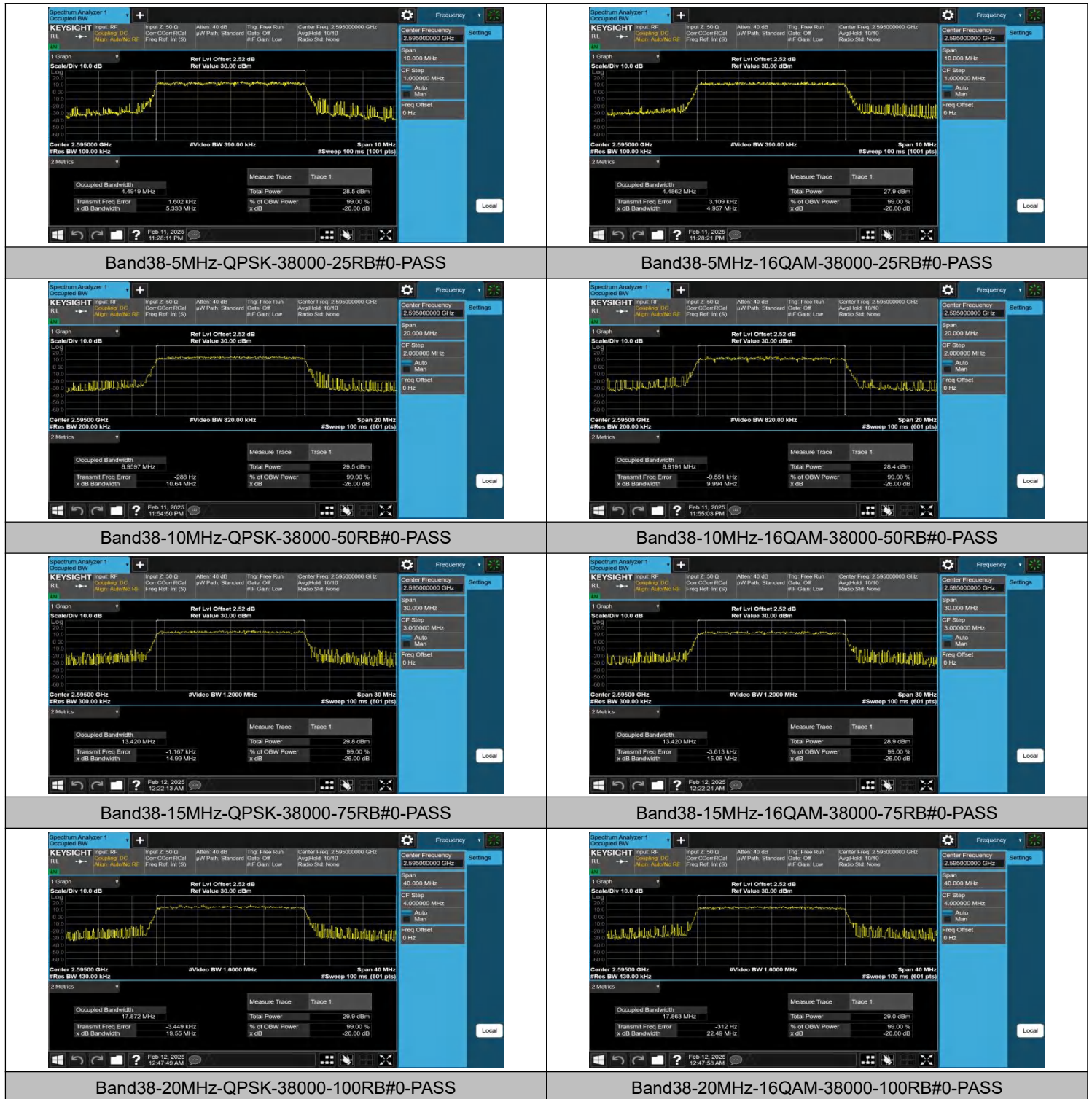


26dB Bandwidth and Occupied Bandwidth

Test Result

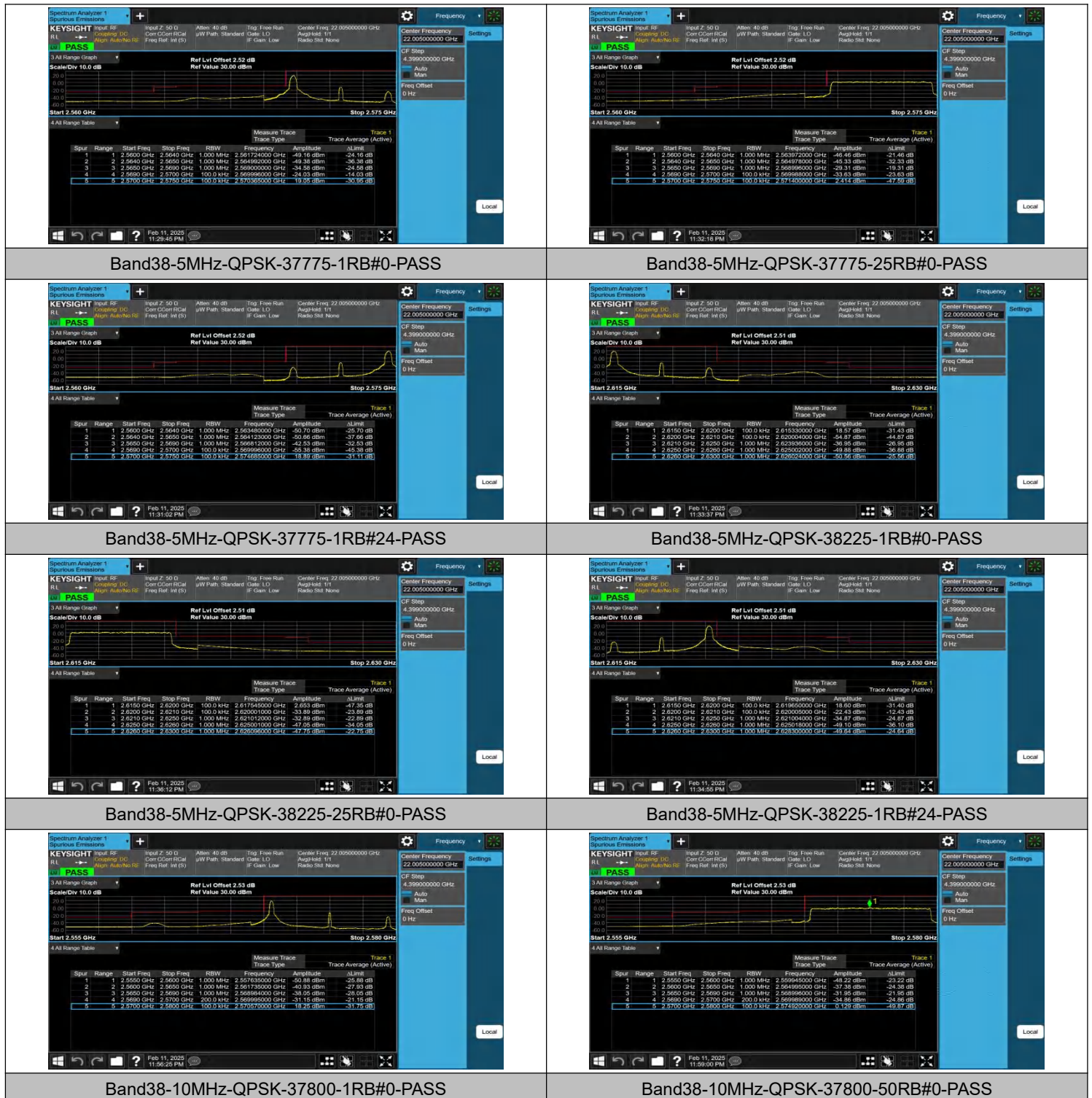
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	38000	25RB#0	4.4919	5.333	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4862	4.957	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9597	10.64	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9191	9.994	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.420	14.99	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.420	15.06	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.872	19.55	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.863	22.49	PASS

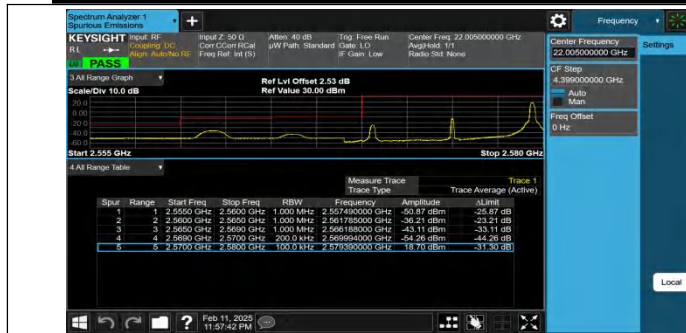
Test Graphs



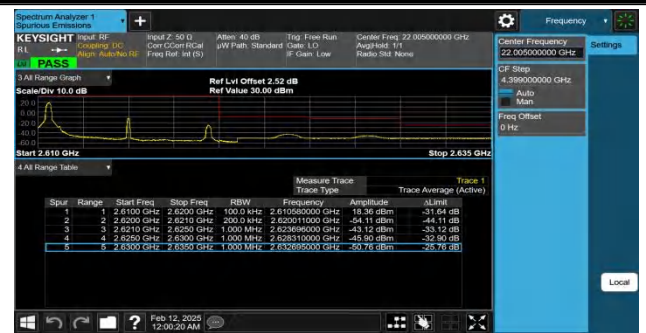
Band Edge

Test Graphs

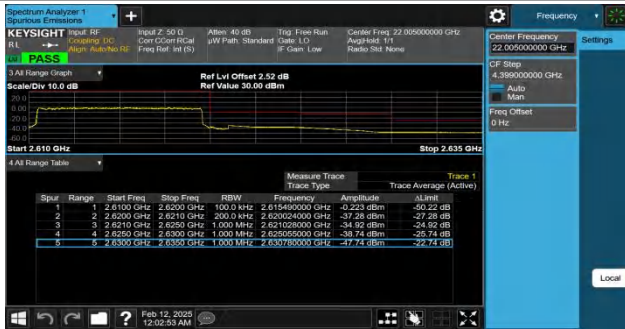




Band38-10MHz-QPSK-37800-1RB#49-PASS



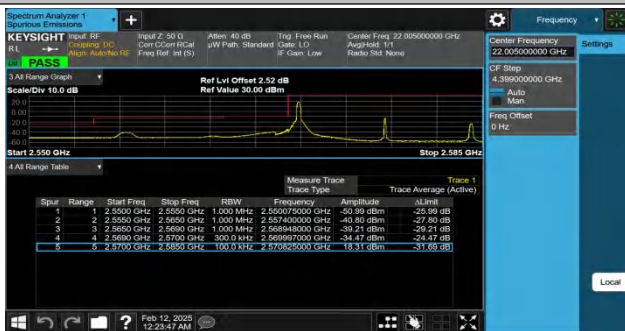
Band38-10MHz-QPSK-38200-1RB#0-PASS



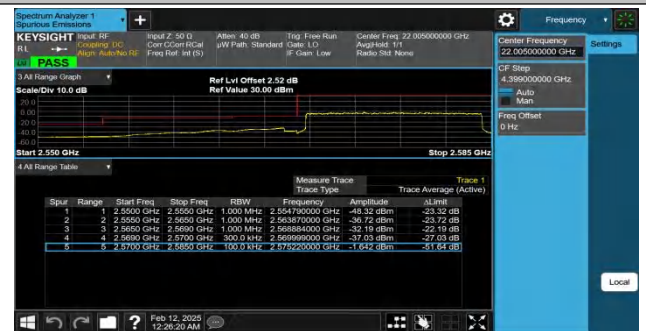
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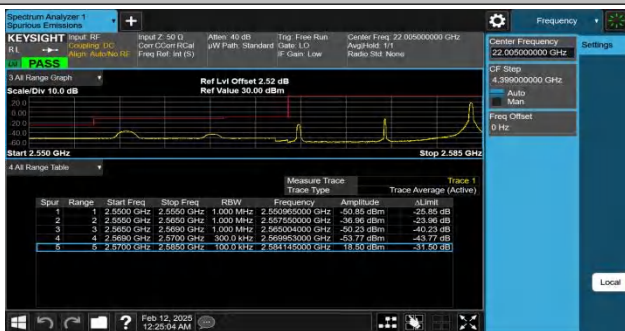
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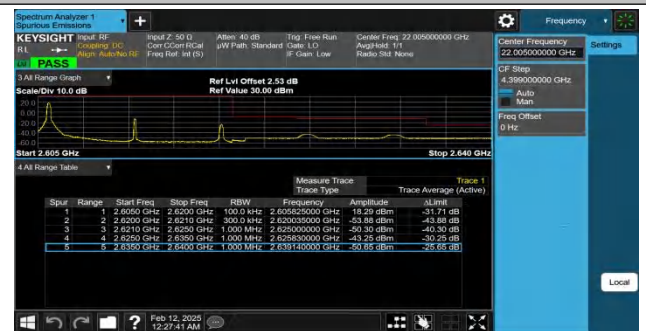
Band38-15MHz-QPSK-37825-1RB#0-PASS



Band38-15MHz-QPSK-38200-1RB#49-PASS



Band38-15MHz-QPSK-37825-1RB#74-PASS



Band38-15MHz-QPSK-38175-1RB#0-PASS



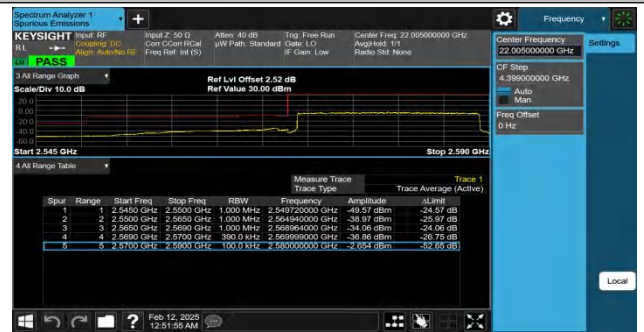
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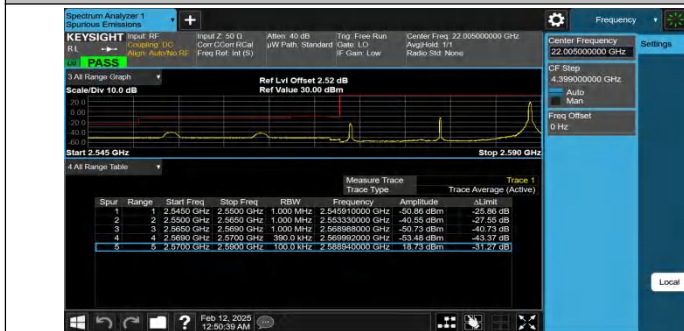
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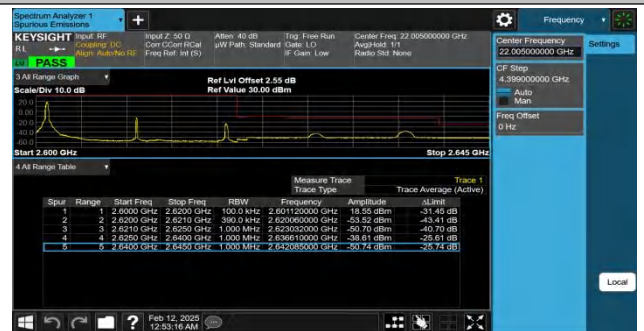
Band38-20MHz-QPSK-37850-1RB#0-PASS



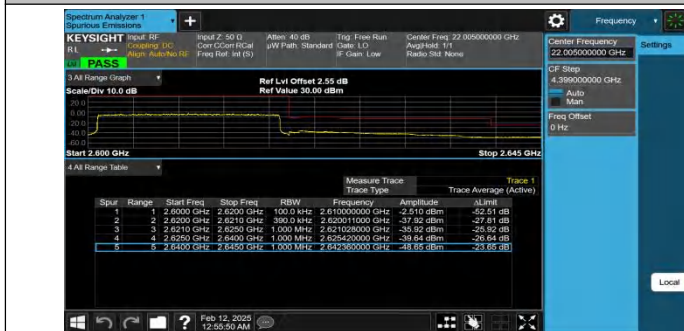
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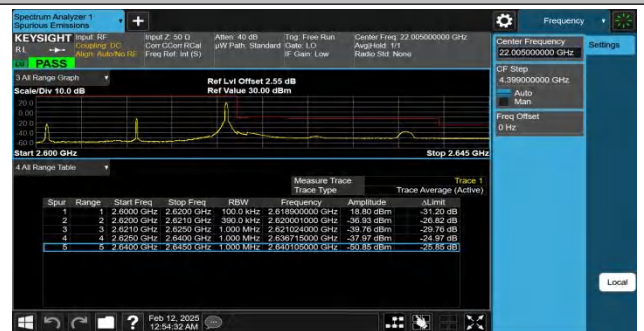
Band38-20MHz-QPSK-37850-1RB#99-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



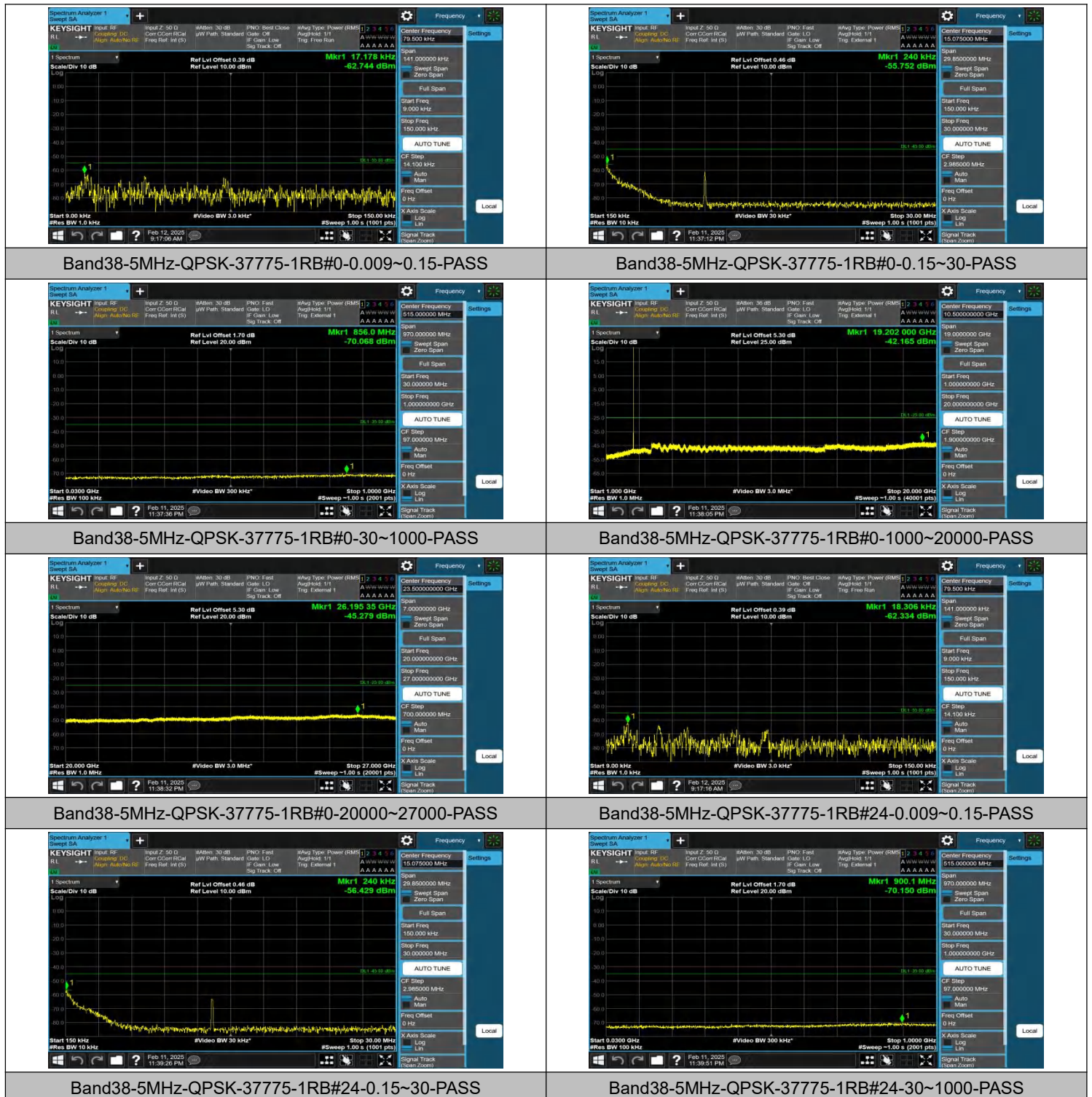
Band38-20MHz-QPSK-38150-1RB#99-PASS

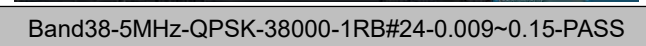
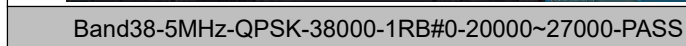
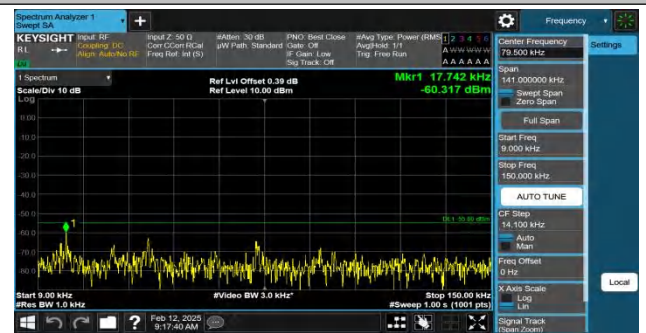
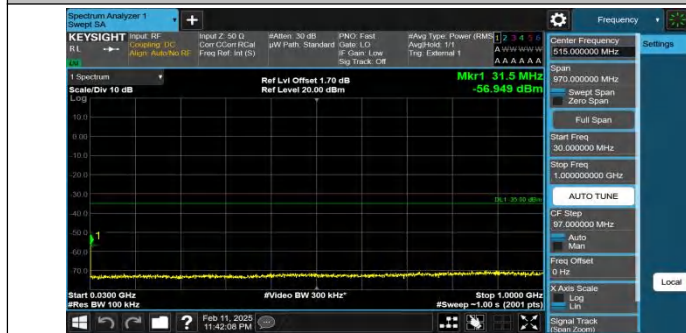
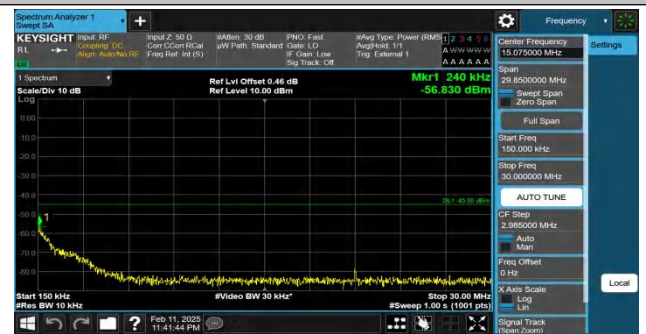
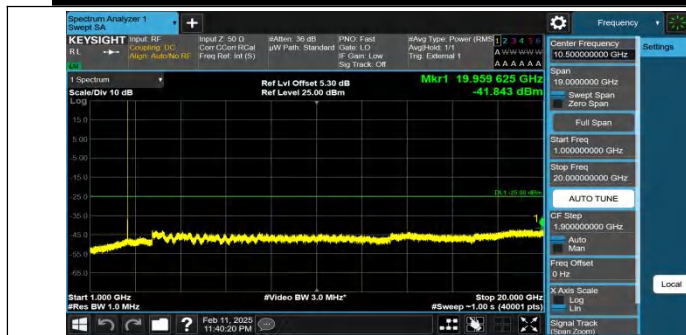


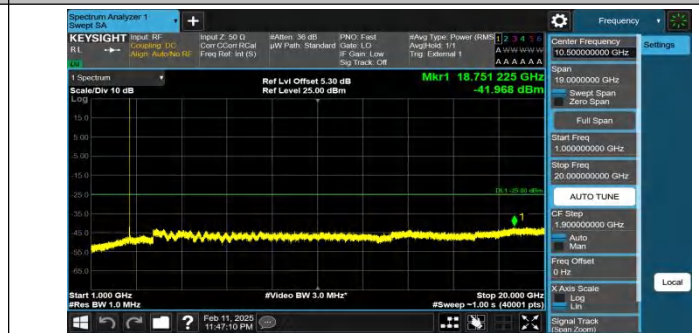
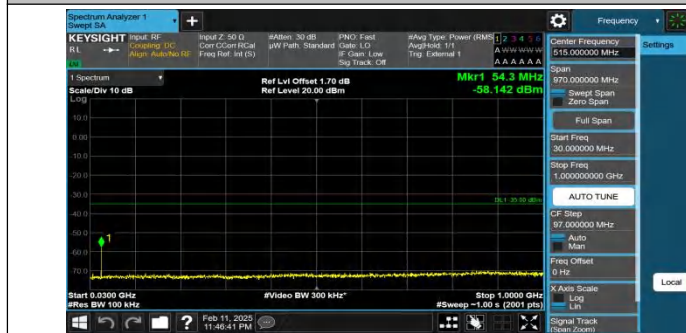
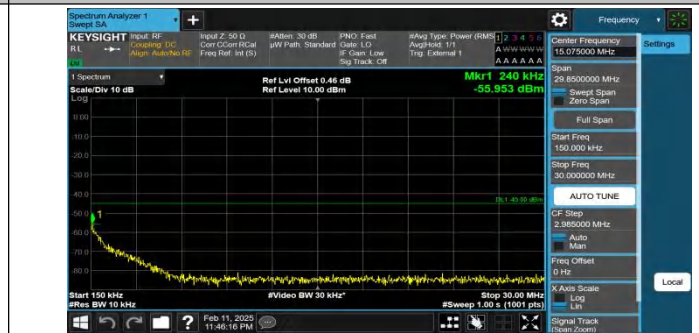
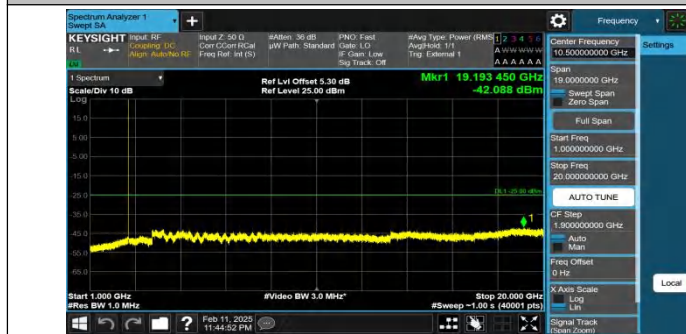
Band38-20MHz-QPSK-38150-1RB#99-PASS

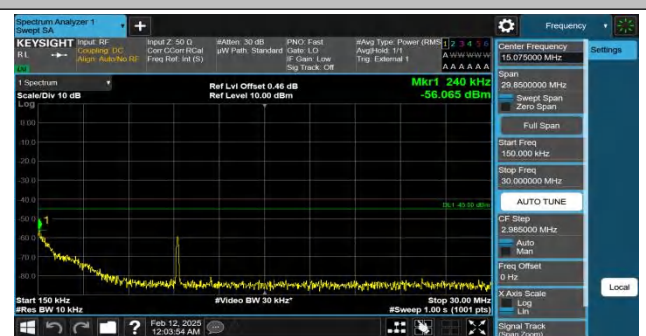
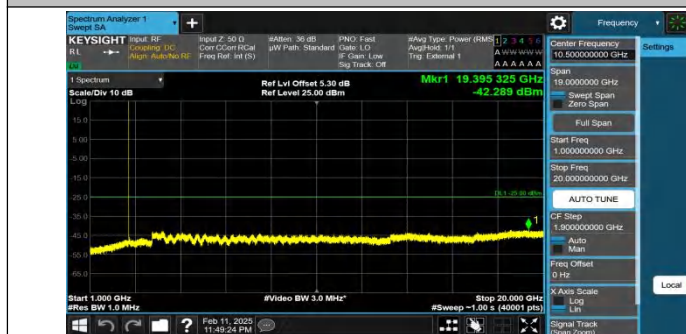
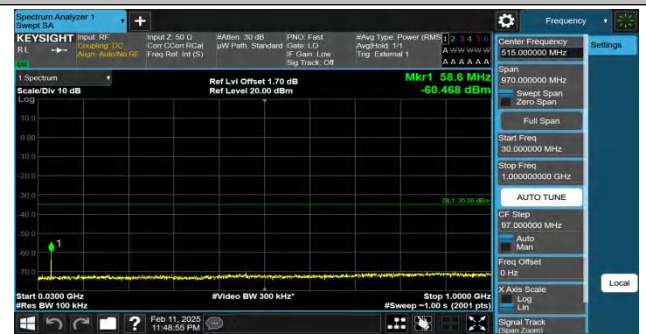
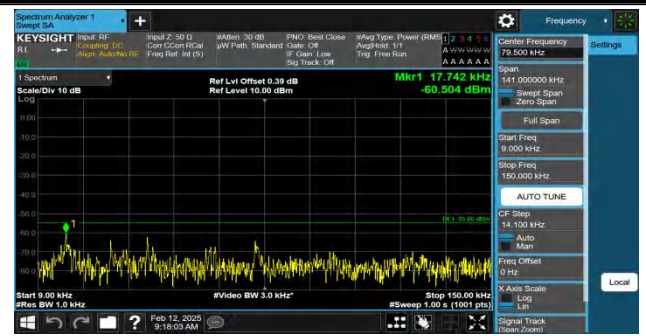
Conducted Spurious Emission

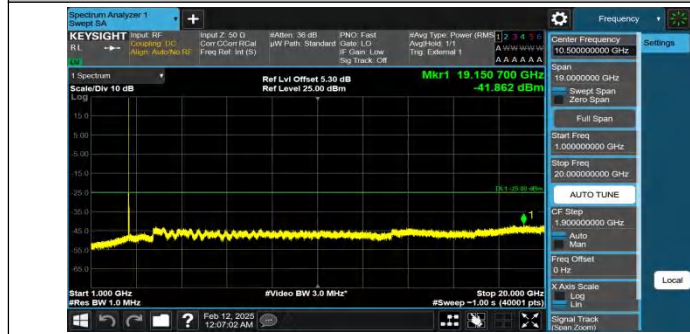
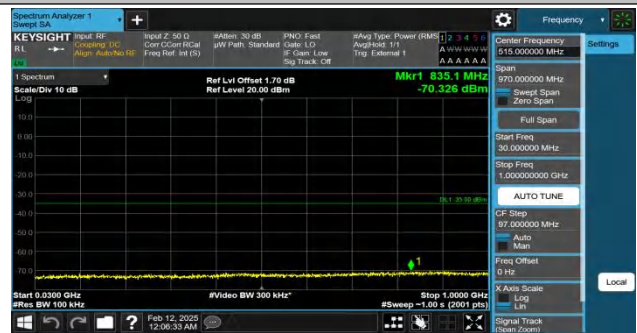
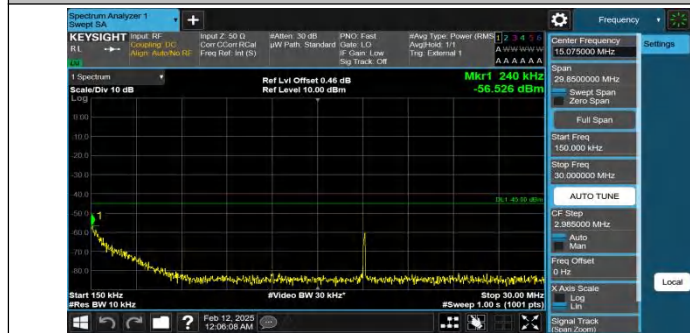
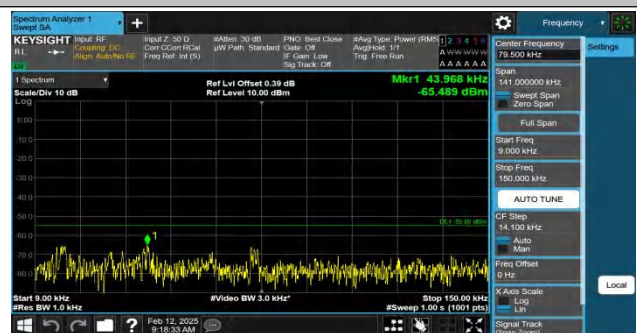
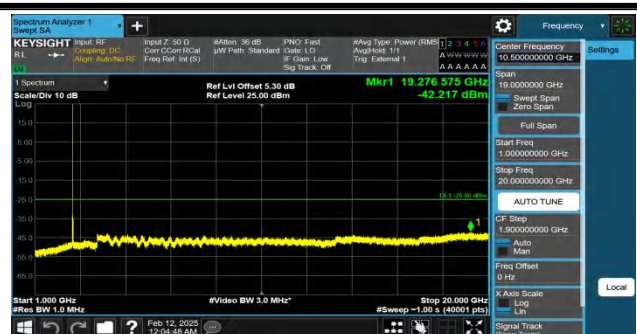
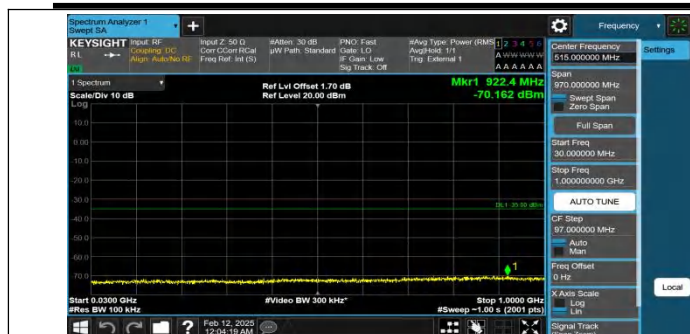
Test Graphs





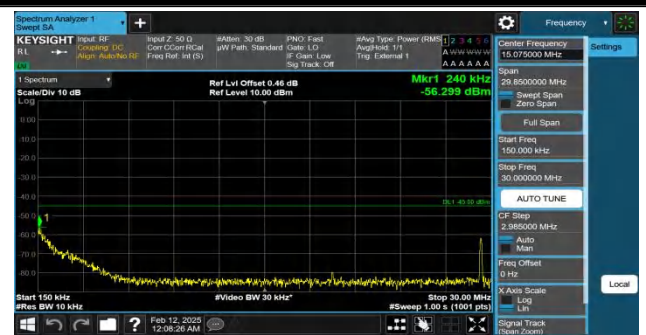




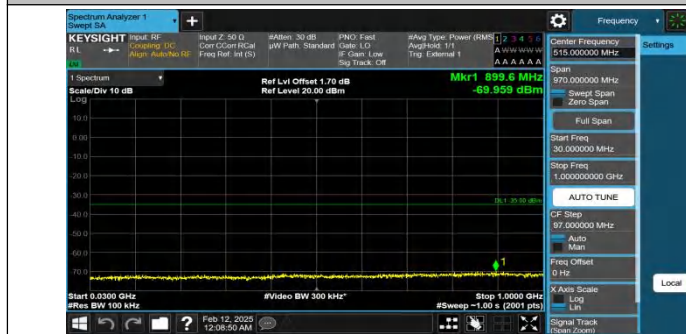




Band38-10MHz-QPSK-38000-1RB#0-0.009~0.15-PASS



Band38-10MHz-QPSK-38000-1RB#0-0.15~30-PASS



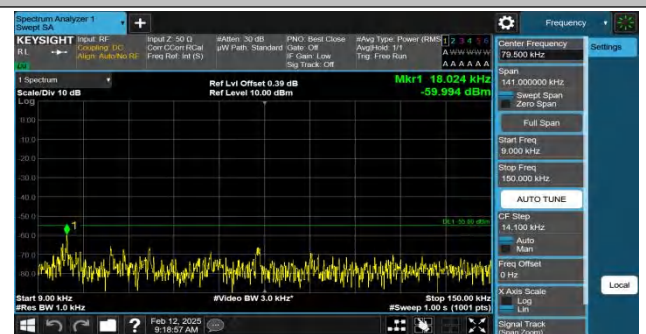
Band38-10MHz-QPSK-38000-1RB#0-30~1000-PASS



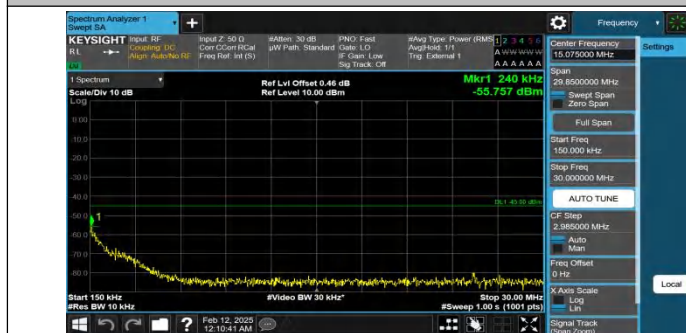
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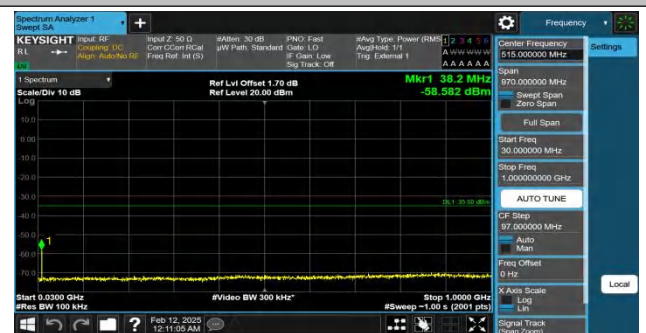
Band38-10MHz-QPSK-38000-1RB#0-20000~27000-PASS



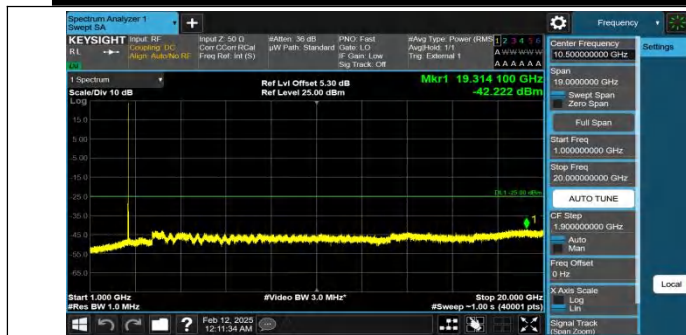
Band38-10MHz-QPSK-38000-1RB#49-0.009~0.15-PASS



Band38-10MHz-QPSK-38000-1RB#49-0.15~30-PASS



Band38-10MHz-QPSK-38000-1RB#49-30~1000-PASS



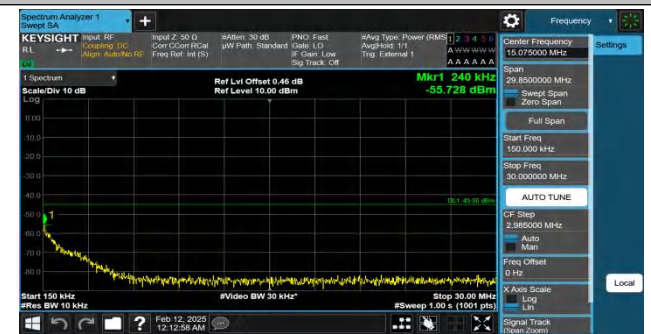
Band38-10MHz-QPSK-38000-1RB#49-1000~20000-PASS



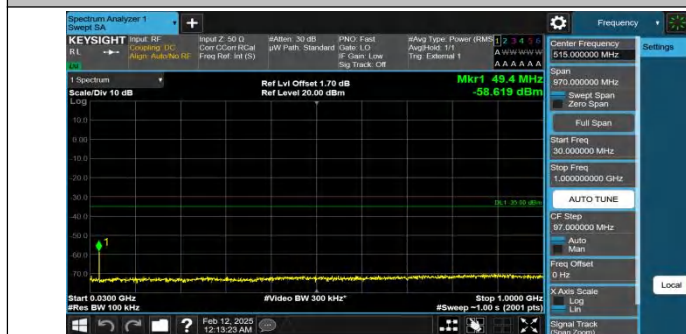
Band38-10MHz-QPSK-38000-1RB#49-20000~27000-PASS



Band38-10MHz-QPSK-38200-1RB#0-0.009~0.15-PASS



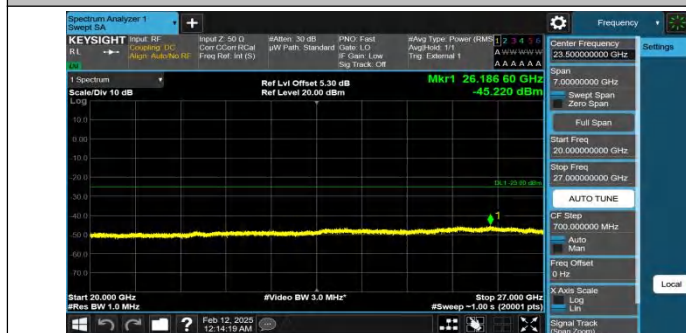
Band38-10MHz-QPSK-38200-1RB#0-0.15~30-PASS



Band38-10MHz-QPSK-38200-1RB#0-30~1000-PASS



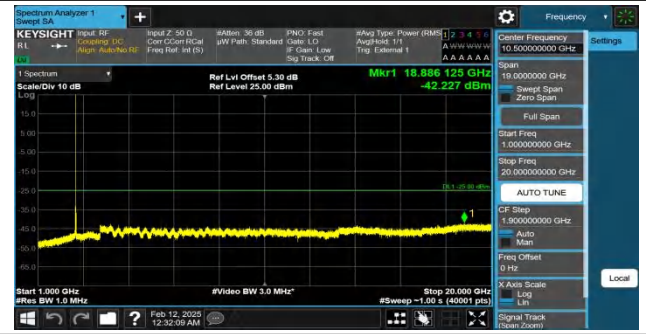
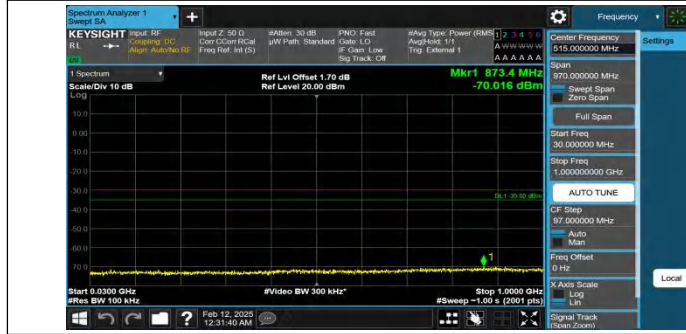
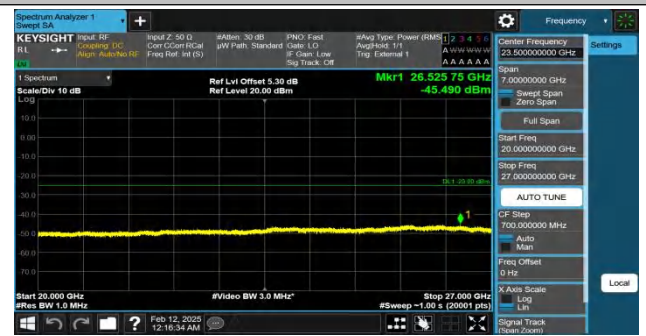
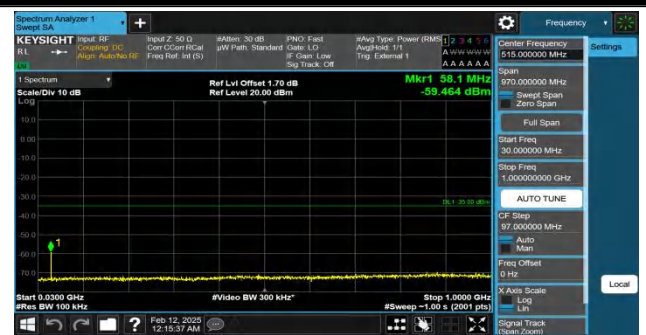
Band38-10MHz-QPSK-38200-1RB#0-1000~20000-PASS

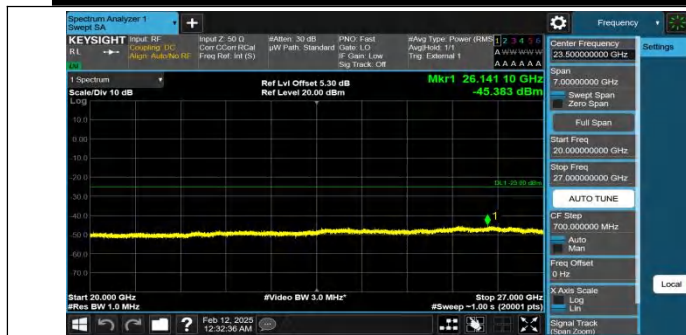


Band38-10MHz-QPSK-38200-1RB#0-20000~27000-PASS

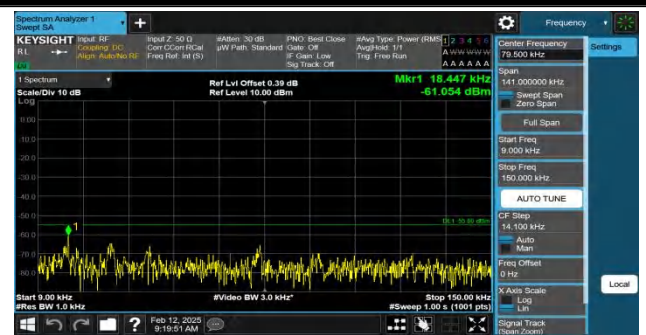


Band38-10MHz-QPSK-38200-1RB#49-0.009~0.15-PASS

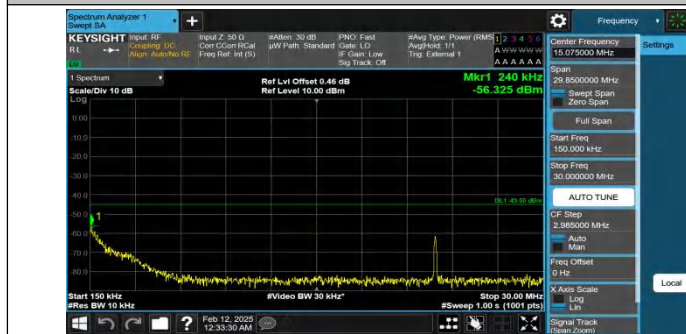




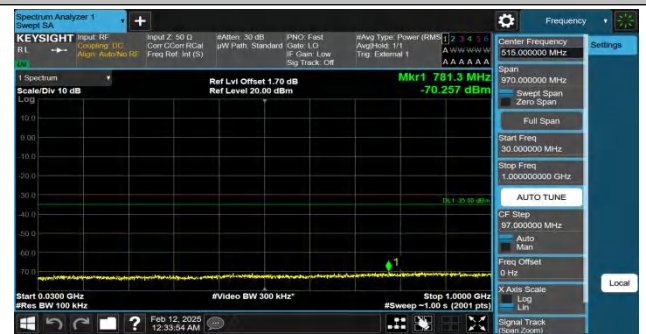
Band38-15MHz-QPSK-37825-1RB#0-20000~27000-PASS



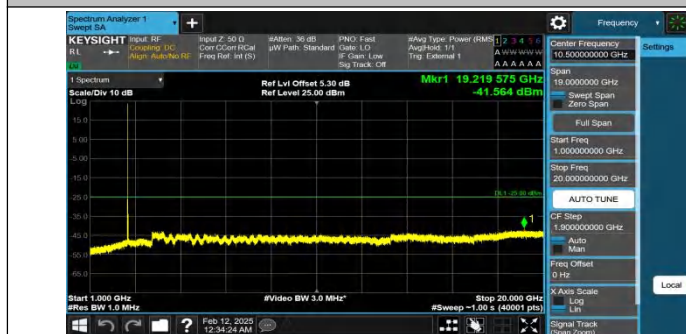
Band38-15MHz-QPSK-37825-1RB#74-0.009~0.15-PASS



Band38-15MHz-QPSK-37825-1RB#74-0.15~30-PASS



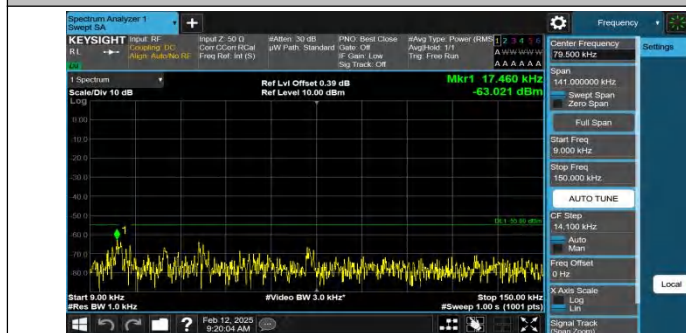
Band38-15MHz-QPSK-37825-1RB#74-30~1000-PASS



Band38-15MHz-QPSK-37825-1RB#74-1000~20000-PASS



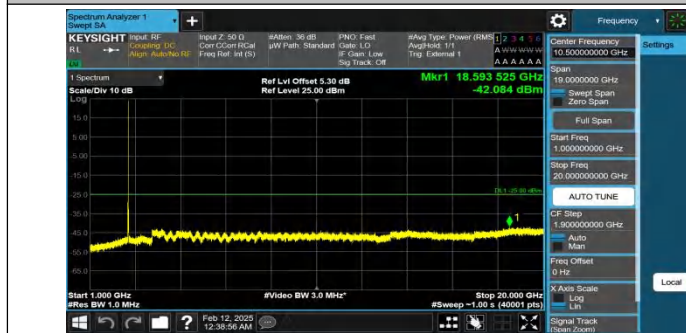
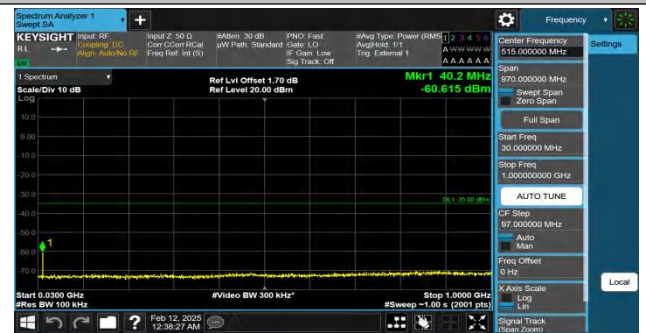
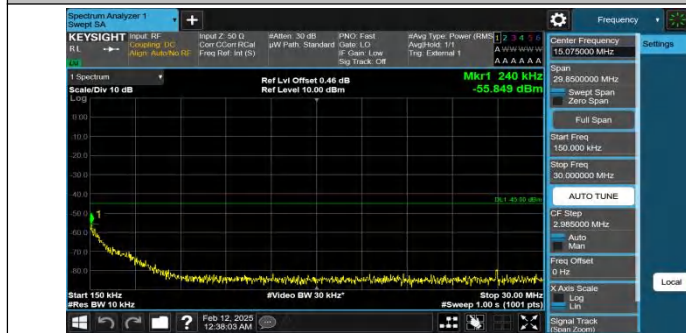
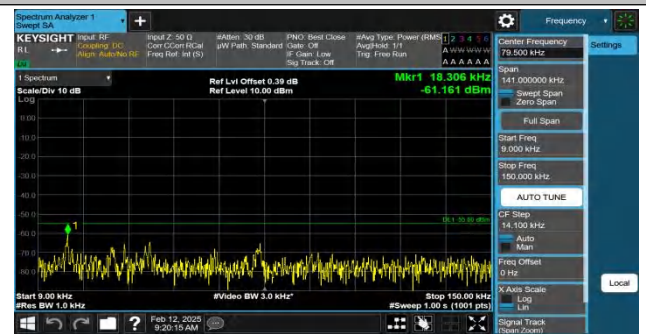
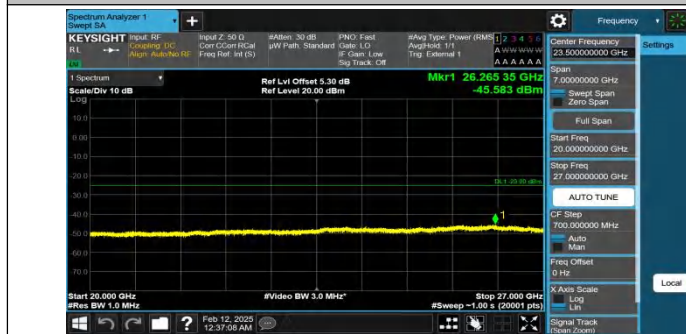
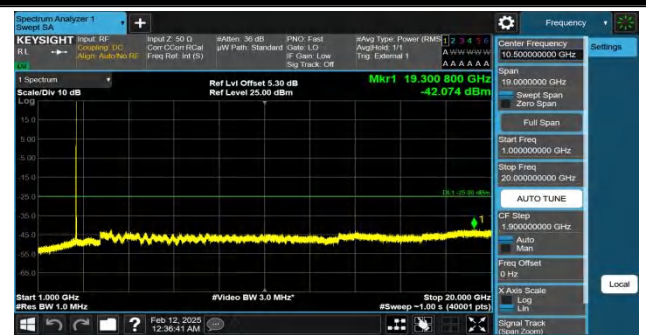
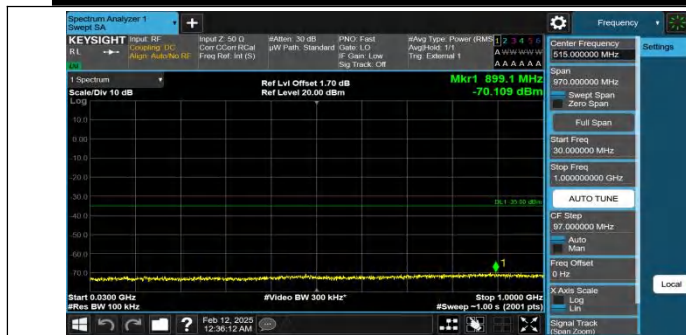
Band38-15MHz-QPSK-37825-1RB#74-20000~27000-PASS

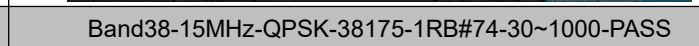
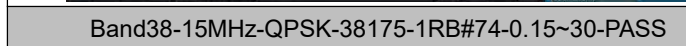
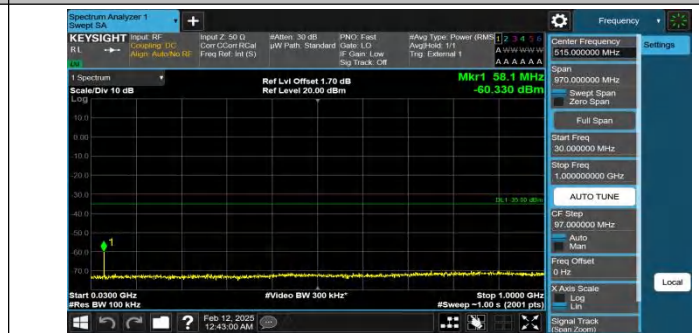
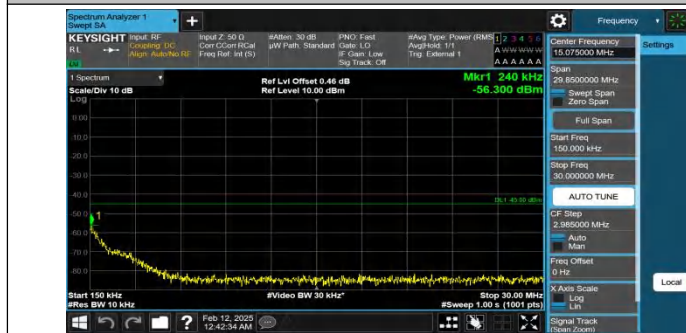
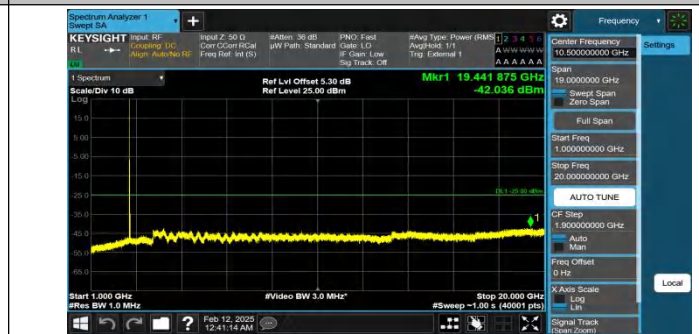
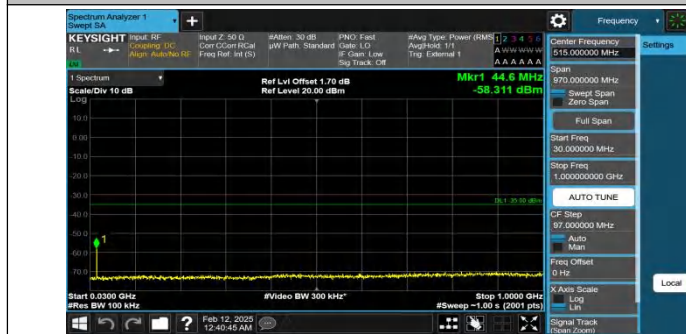


Band38-15MHz-QPSK-38000-1RB#0-0.009~0.15-PASS



Band38-15MHz-QPSK-38000-1RB#0-0.15~30-PASS







Band38-15MHz-QPSK-38175-1RB#74-1000~20000-PASS



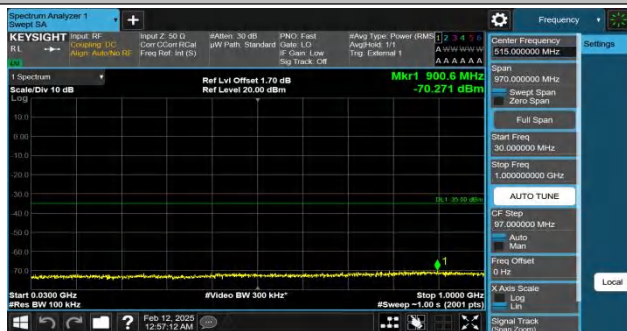
Band38-15MHz-QPSK-38175-1RB#74-20000~27000-PASS



Band38-20MHz-QPSK-37850-1RB#0-0.009~0.15-PASS



Band38-20MHz-QPSK-37850-1RB#0-0.15~30-PASS



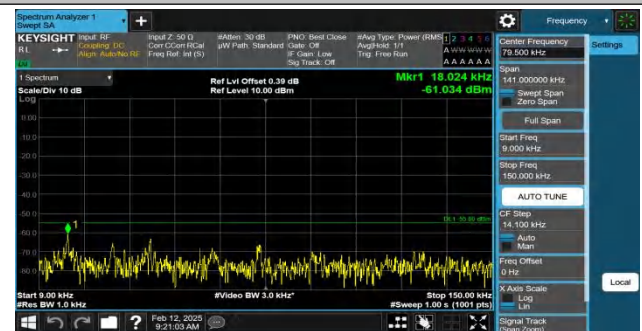
Band38-20MHz-QPSK-37850-1RB#0-30~1000-PASS



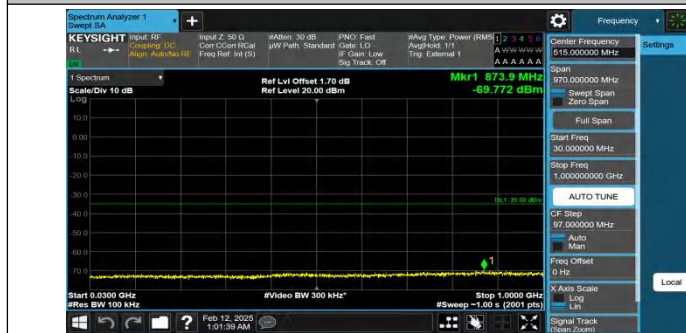
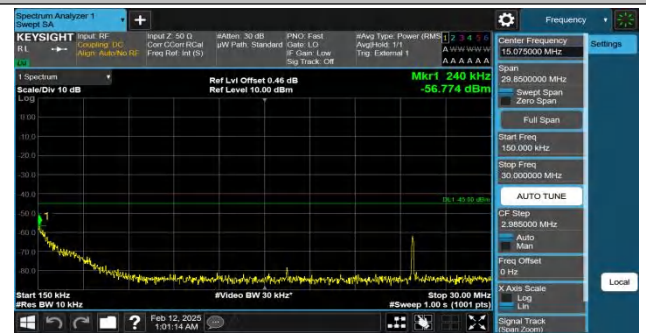
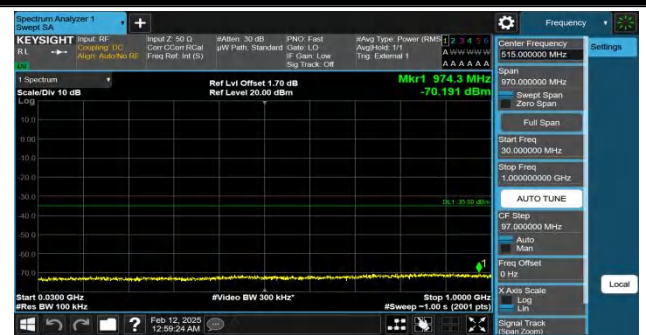
Band38-20MHz-QPSK-37850-1RB#0-1000~20000-PASS

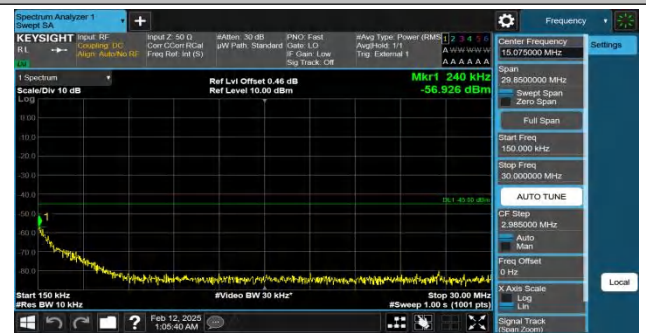
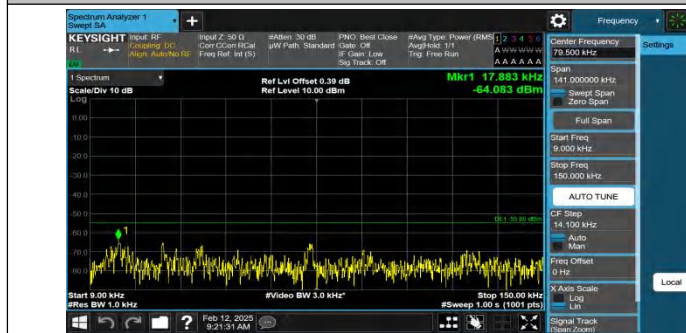
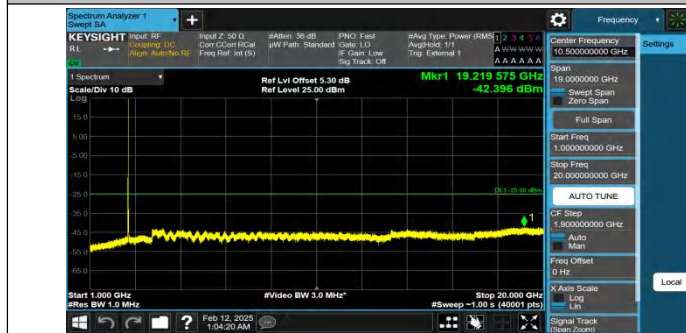
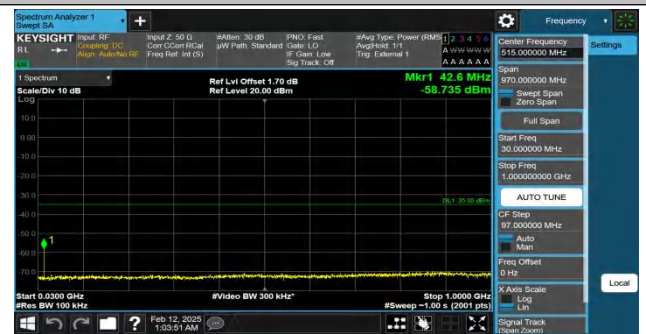
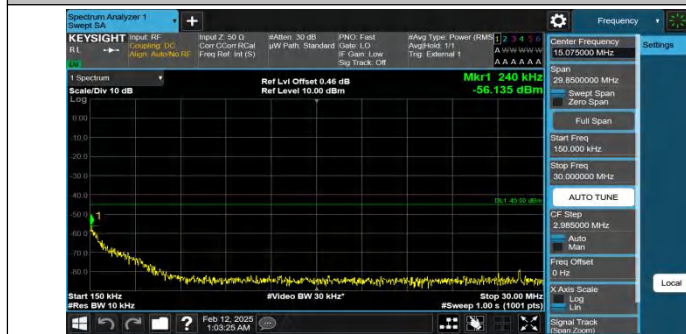
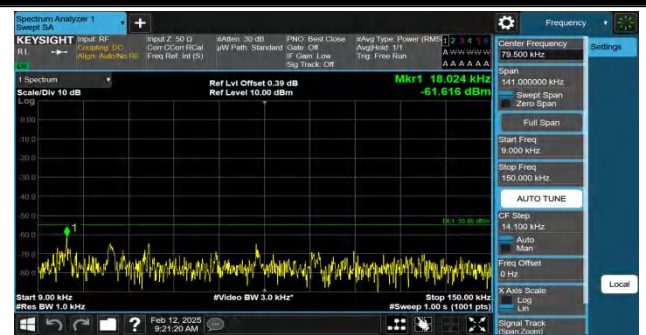
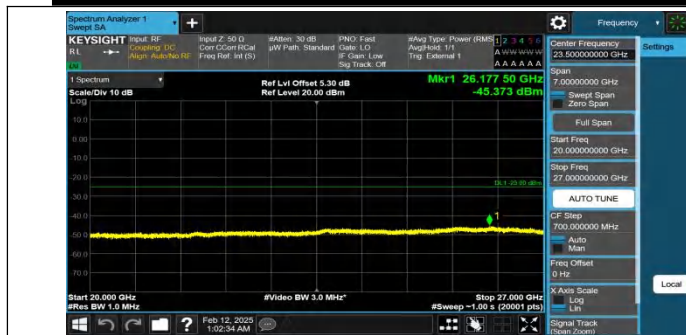


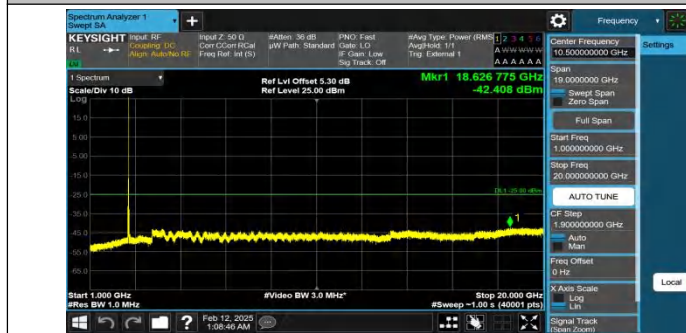
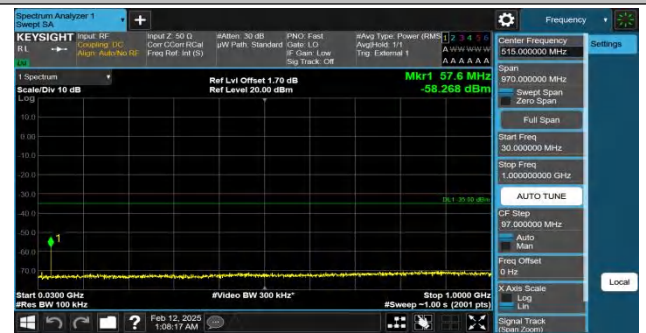
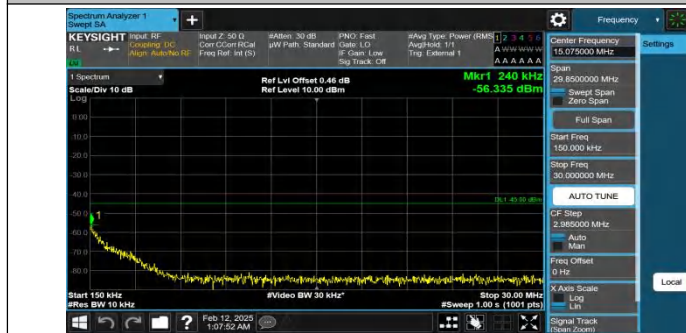
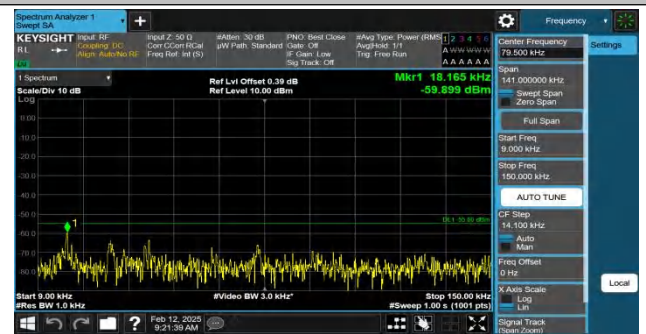
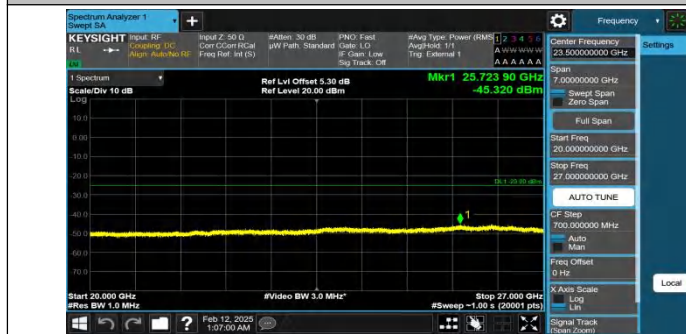
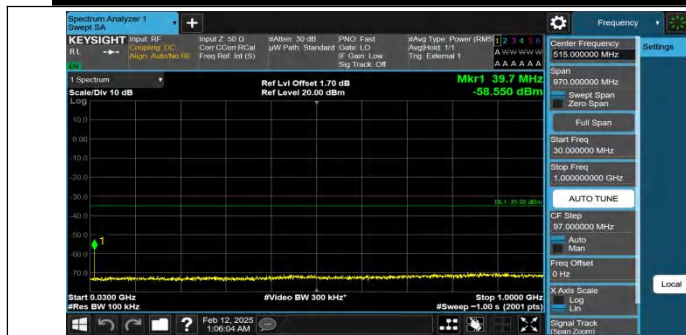
Band38-20MHz-QPSK-37850-1RB#0-20000~27000-PASS



Band38-20MHz-QPSK-37850-1RB#99-0.009~0.15-PASS







Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 38	20MHz	QPSK	38000	100RB#0	VN	NT	690.00	0.265896	±NA	2586.10419	2603.89719	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	VL	NT	920.00	0.354528	±NA	2586.10392	2603.89792	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	VH	NT	690.00	0.265896	±NA	2586.10419	2603.89719	2570-2620	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 38	20MHz	QPSK	38000	100RB#0	NV	-30	1020.00	0.393064	±NA	2586.10402	2603.89802	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-20	900.00	0.346821	±NA	2586.1039	2603.8979	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-10	830.00	0.319846	±NA	2586.10433	2603.89733	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	0	540.00	0.208092	±NA	2586.10354	2603.89754	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	10	810.00	0.312139	±NA	2586.10431	2603.89731	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	20	730.00	0.281310	±NA	2586.10423	2603.89723	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	30	1350.00	0.520231	±NA	2586.10385	2603.89885	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	40	780.00	0.300578	±NA	2586.10428	2603.89728	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	50	940.00	0.362235	±NA	2586.10394	2603.89794	2570-2620	PASS

----- THE END -----