

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	23	2.06	25.06	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.11	2.06	24.17	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.06	2.06	25.12	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.95	2.06	25.01	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.95	2.06	25.01	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.12	2.06	24.18	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.95	2.06	25.01	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.87	2.06	24.93	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.8	2.06	24.86	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.14	2.06	24.2	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.82	2.06	24.88	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.91	2.06	24.97	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.26	2.06	24.32	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.12	2.06	23.18	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.33	2.06	24.39	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.23	2.06	24.29	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.73	2.06	24.79	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.99	2.06	23.05	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.43	2.06	24.49	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.67	2.06	24.73	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.94	2.06	24	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.16	2.06	23.22	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.29	2.06	24.35	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.26	2.06	24.32	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.97	2.06	25.03	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.03	2.06	24.09	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.13	2.06	25.19	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.11	2.06	25.17	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.91	2.06	24.97	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.03	2.06	24.09	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.96	2.06	25.02	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.92	2.06	24.98	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.86	2.06	24.92	33	PASS

Band38	10MHz	QPSK	38200	50RB#0	22.1	2.06	24.16	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.95	2.06	25.01	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.91	2.06	24.97	33	PASS
Band38	10MHz	16QAM	37800	27RB#0	21.17	2.06	23.23	33	PASS
Band38	10MHz	16QAM	38000	27RB#0	21.18	2.06	23.24	33	PASS
Band38	10MHz	16QAM	38200	27RB#0	21.06	2.06	23.12	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.1	2.06	24.16	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.57	2.06	24.63	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.62	2.06	24.68	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.5	2.06	24.56	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.2	2.06	24.26	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.17	2.06	24.23	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.67	2.06	23.73	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.25	2.06	24.31	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.7	2.06	23.76	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.98	2.06	25.04	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.99	2.06	24.05	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.94	2.06	25	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.04	2.06	25.1	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.81	2.06	24.87	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.07	2.06	24.13	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.89	2.06	24.95	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.9	2.06	24.96	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.94	2.06	25	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.09	2.06	24.15	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.98	2.06	25.04	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.01	2.06	25.07	33	PASS
Band38	15MHz	16QAM	37825	27RB#0	21.07	2.06	23.13	33	PASS
Band38	15MHz	16QAM	38000	27RB#0	21.22	2.06	23.28	33	PASS
Band38	15MHz	16QAM	38175	27RB#0	21.11	2.06	23.17	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.13	2.06	24.19	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.5	2.06	24.56	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.64	2.06	24.7	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.23	2.06	24.29	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.12	2.06	24.18	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.34	2.06	24.4	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.92	2.06	23.98	33	PASS

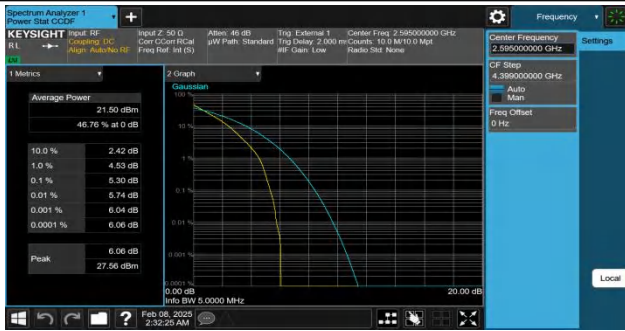
Band38	15MHz	16QAM	38175	1RB#38	21.86	2.06	23.92	33	PASS
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Band38	20MHz	QPSK	37850	1RB#0	22.87	2.06	24.93	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.03	2.06	24.09	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.88	2.06	24.94	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.9	2.06	24.96	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.87	2.06	24.93	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	22	2.06	24.06	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.2	2.06	25.26	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.79	2.06	24.85	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.99	2.06	25.05	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.01	2.06	24.07	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.14	2.06	25.2	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.96	2.06	25.02	33	PASS
Band38	20MHz	16QAM	37850	27RB#0	21.03	2.06	23.09	33	PASS
Band38	20MHz	16QAM	38000	27RB#0	21.18	2.06	23.24	33	PASS
Band38	20MHz	16QAM	38150	27RB#0	21.02	2.06	23.08	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.52	2.06	23.58	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.06	2.06	24.12	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.55	2.06	23.61	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.34	2.06	24.4	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.49	2.06	24.55	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.27	2.06	24.33	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.98	2.06	24.04	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.2	2.06	24.26	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.82	2.06	23.88	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	5.30	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.16	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.27	13	PASS
Band38	10MHz	16QAM	38000	27RB#0	5.91	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.45	13	PASS
Band38	15MHz	16QAM	38000	27RB#0	5.90	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.20	13	PASS
Band38	20MHz	16QAM	38000	27RB#0	5.80	13	PASS

Test Graphs



Band38-5MHz-QPSK-38000-25RB#0-PASS



Band38-5MHz-16QAM-38000-25RB#0-PASS



Band38-10MHz-QPSK-38000-50RB#0-PASS



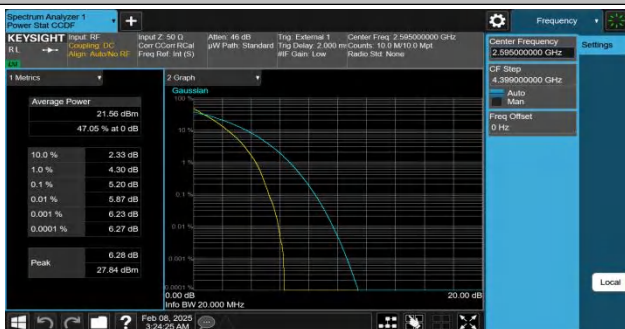
Band38-10MHz-16QAM-38000-27RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



Band38-15MHz-16QAM-38000-27RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS



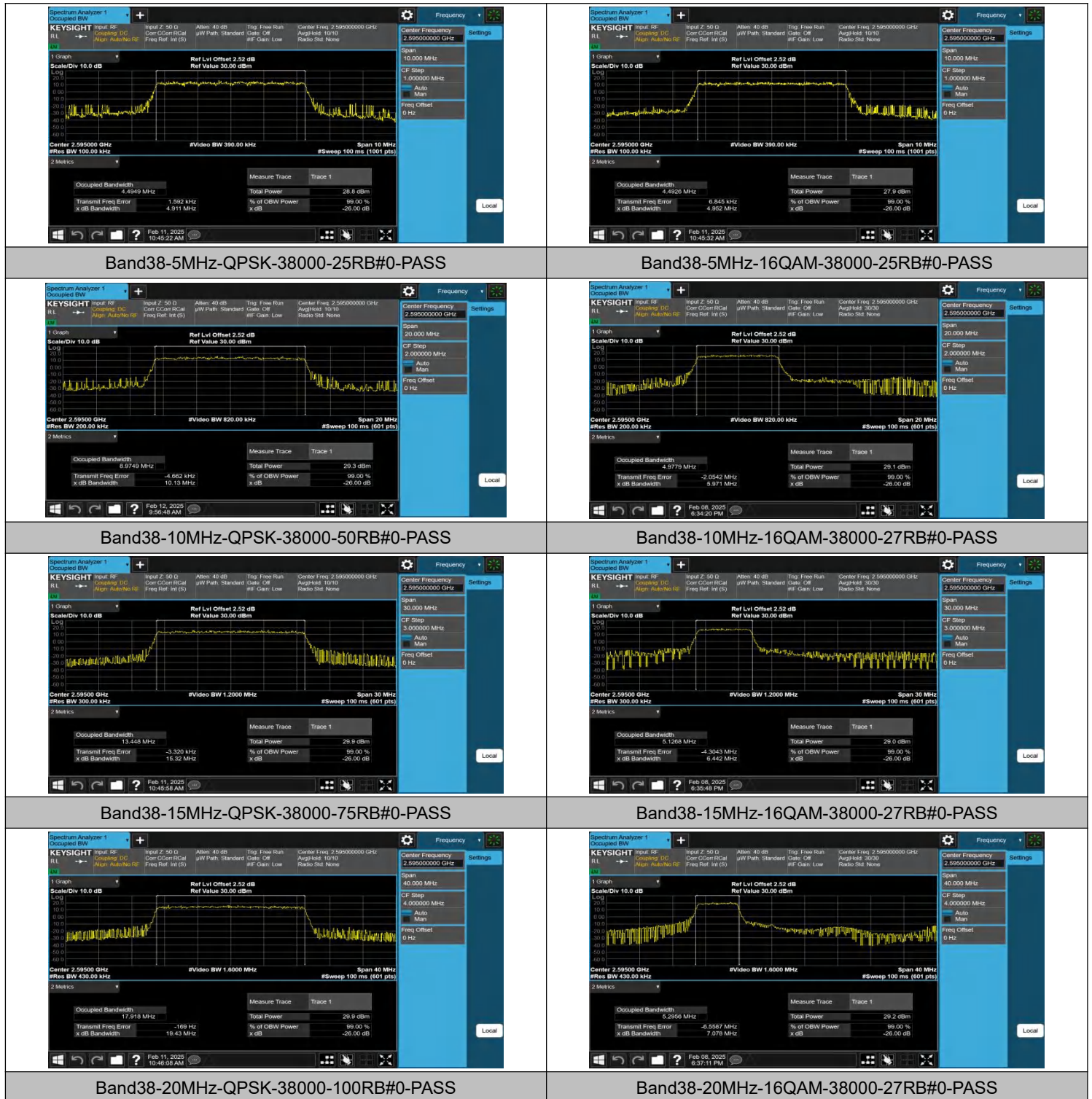
Band38-20MHz-16QAM-38000-27RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

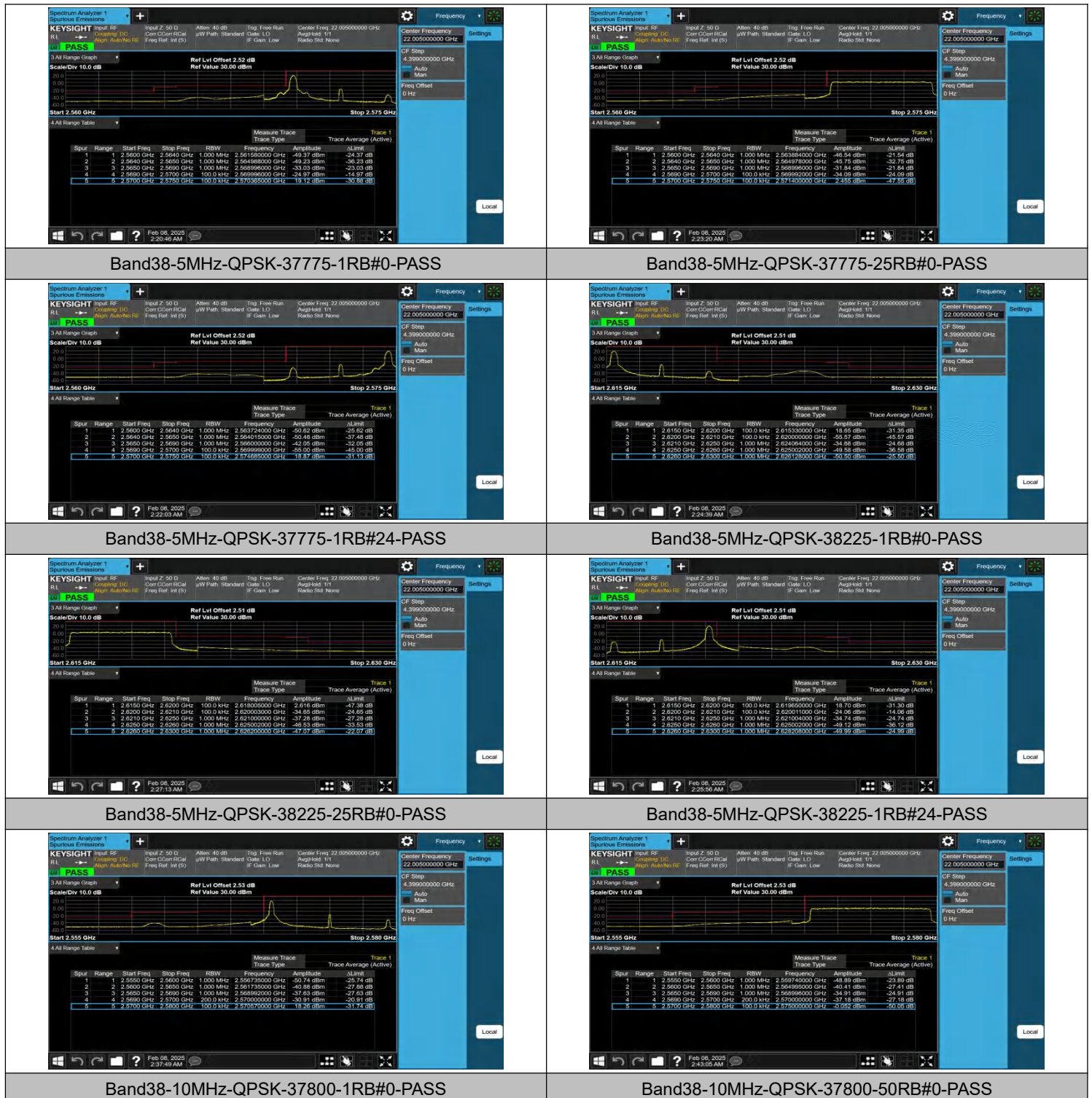
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	38000	25RB#0	4.4949	4.911	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4926	4.952	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9749	10.13	PASS
Band38	10MHz	16QAM	38000	27RB#0	4.9779	5.971	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.448	15.32	PASS
Band38	15MHz	16QAM	38000	27RB#0	5.1268	6.442	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.918	19.43	PASS
Band38	20MHz	16QAM	38000	27RB#0	5.2956	7.078	PASS

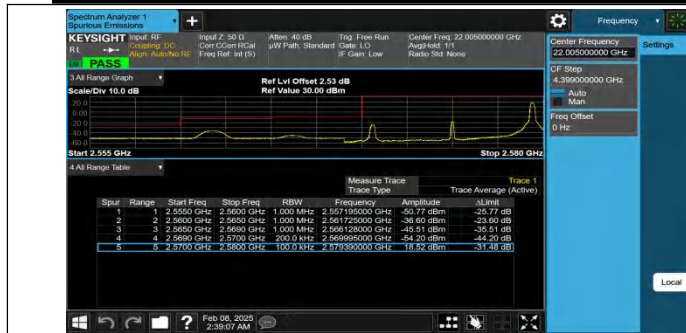
Test Graphs



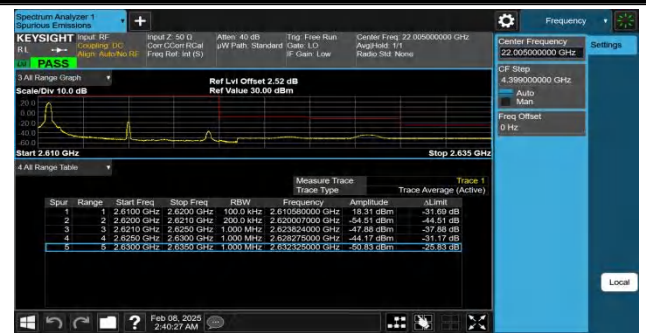
Band Edge

Test Graphs

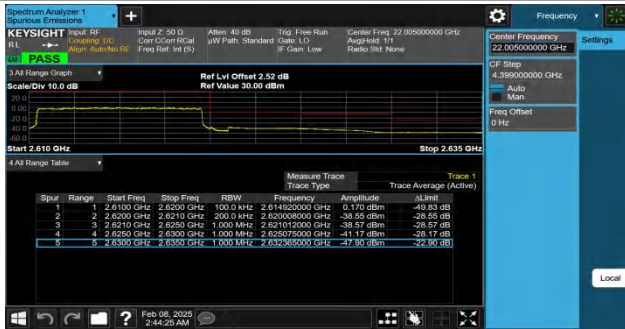




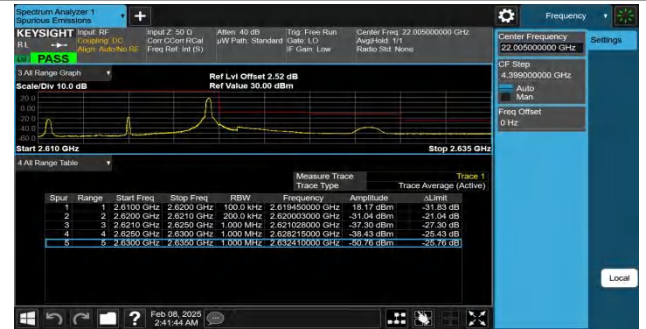
Band38-10MHz-QPSK-37800-1RB#49-PASS



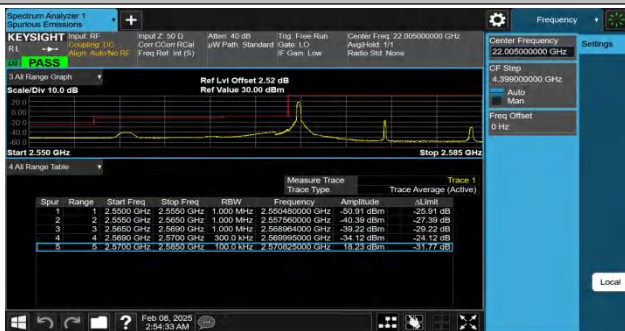
Band38-10MHz-QPSK-38200-1RB#0-PASS



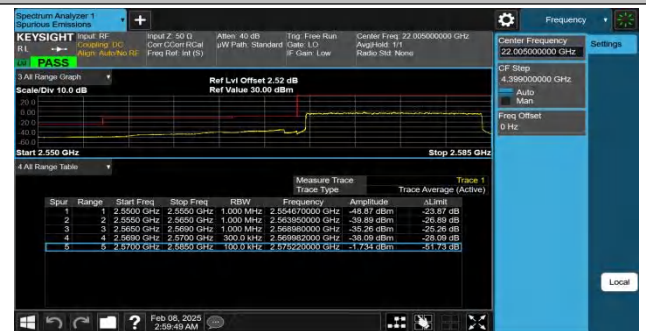
Band38-10MHz-QPSK-38200-50RB#0-PASS



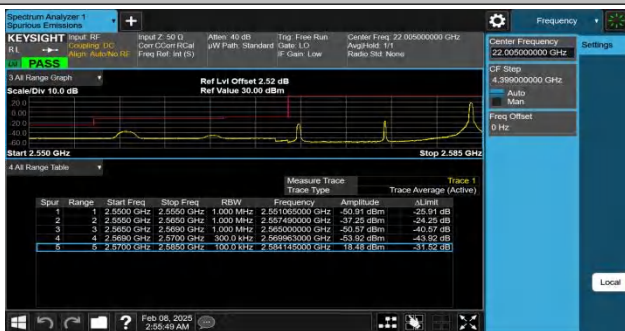
Band38-10MHz-QPSK-38200-1RB#49-PASS



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



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



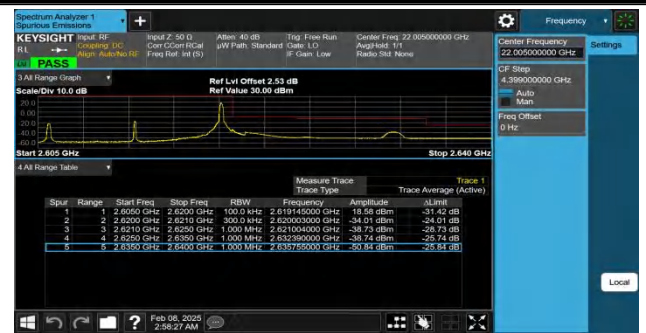
Band38-15MHz-QPSK-37825-1RB#74-PASS



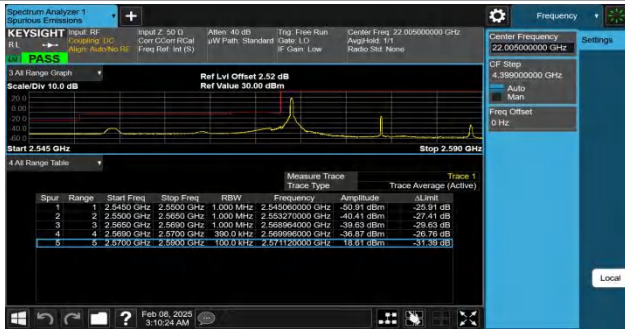
Band38-15MHz-QPSK-38175-1RB#0-PASS



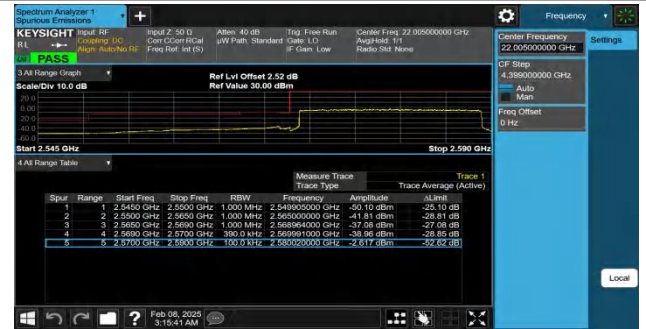
Band38-15MHz-QPSK-38175-75RB#0-PASS



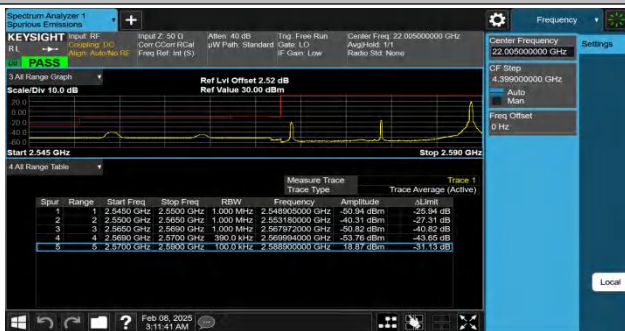
Band38-15MHz-QPSK-38175-1RB#74-PASS



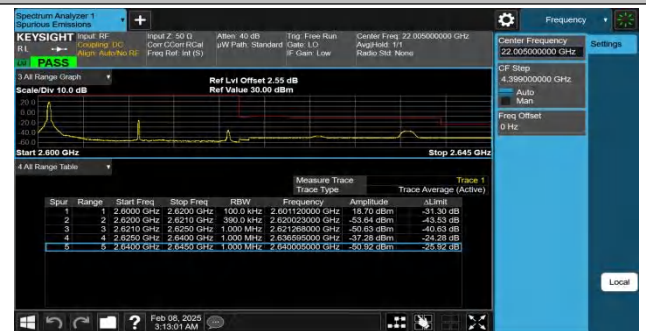
Band38-20MHz-QPSK-37850-1RB#0-PASS



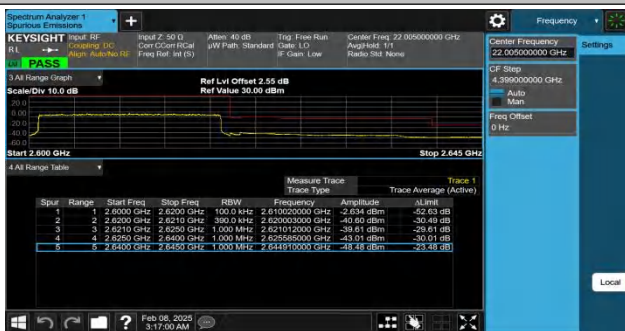
Band38-20MHz-QPSK-37850-100RB#0-PASS



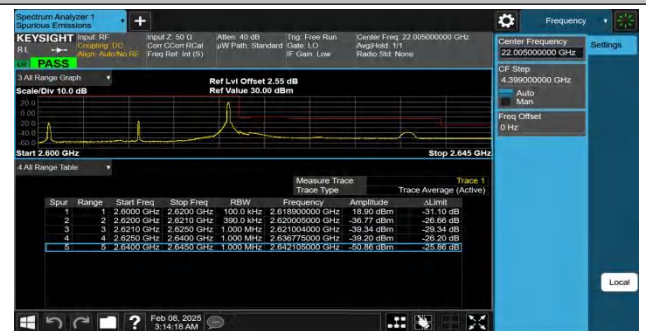
Band38-20MHz-QPSK-37850-1RB#99-PASS



Band38-20MHz-QPSK-38150-1RB#0-PASS



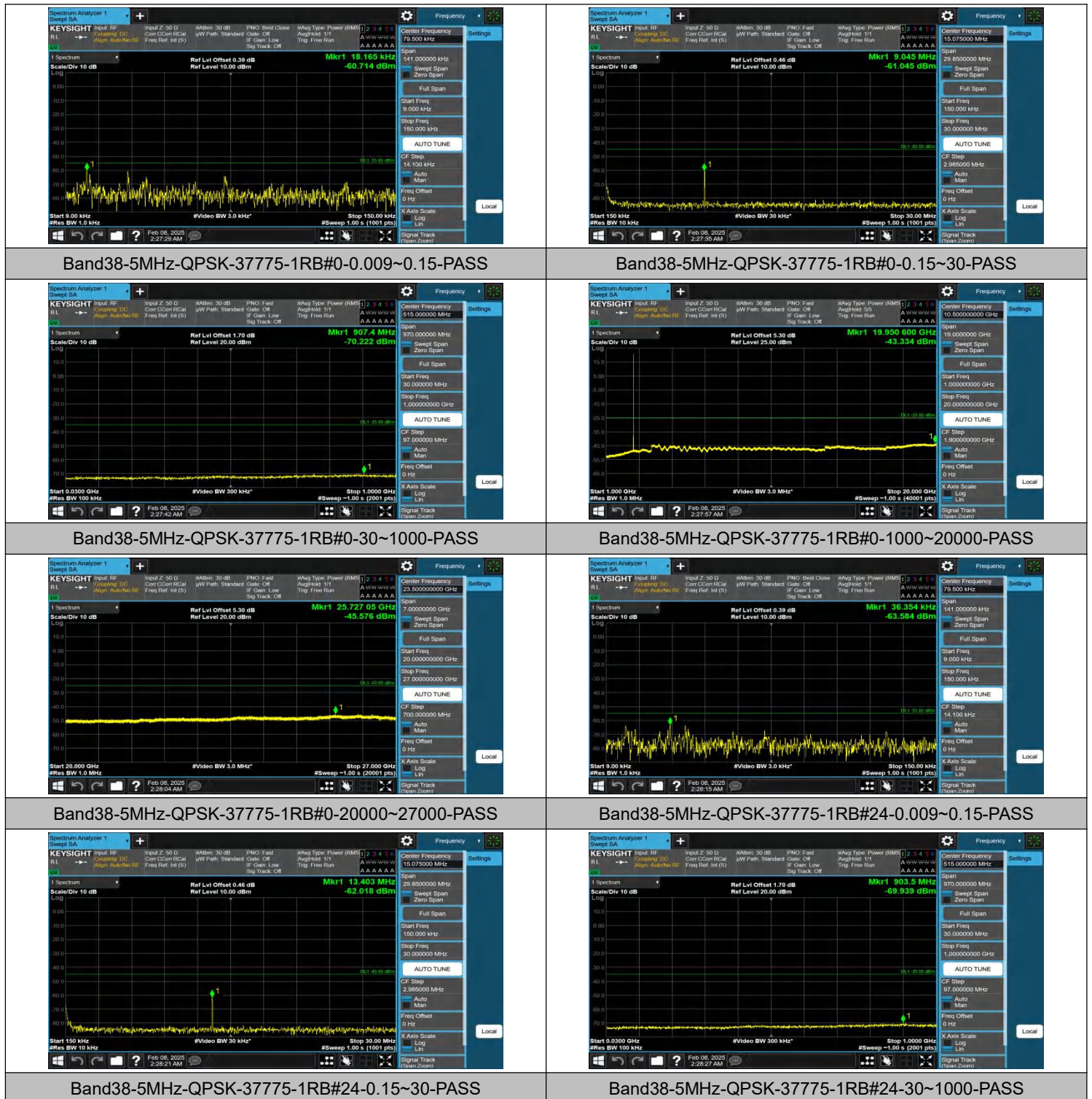
Band38-20MHz-QPSK-38150-100RB#0-PASS

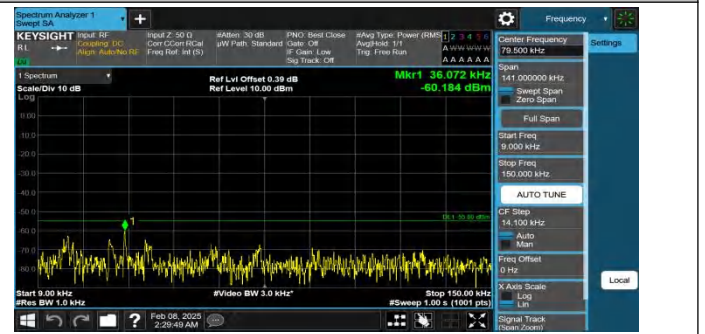


Band38-20MHz-QPSK-38150-1RB#99-PASS

Conducted Spurious Emission

Test Graphs







Band38-5MHz-QPSK-38000-1RB#24-0.15~30-PASS



Band38-5MHz-QPSK-38000-1RB#24-30~1000-PASS



Band38-5MHz-QPSK-38000-1RB#24-1000~20000-PASS



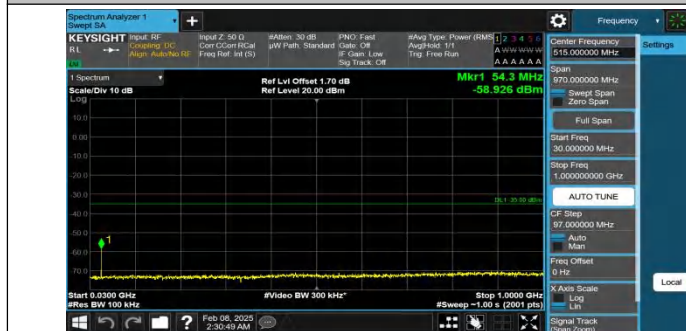
Band38-5MHz-QPSK-38000-1RB#24-20000~27000-PASS



Band38-5MHz-QPSK-38225-1RB#0-0.009~0.15-PASS



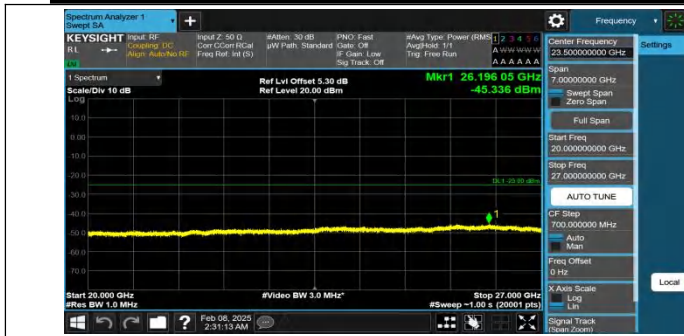
Band38-5MHz-QPSK-38225-1RB#0-0.15~30-PASS



Band38-5MHz-QPSK-38225-1RB#0-30~1000-PASS



Band38-5MHz-QPSK-38225-1RB#0-1000~20000-PASS



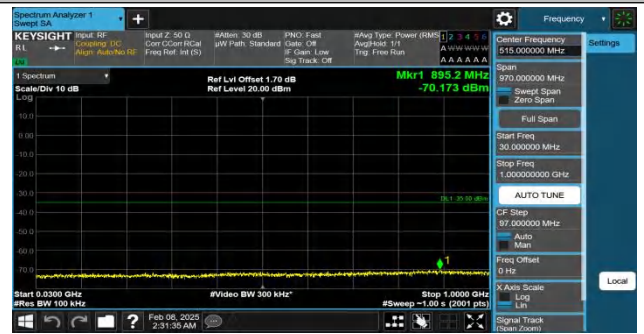
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Band38-5MHz-QPSK-38225-1RB#24-0.15~30-PASS



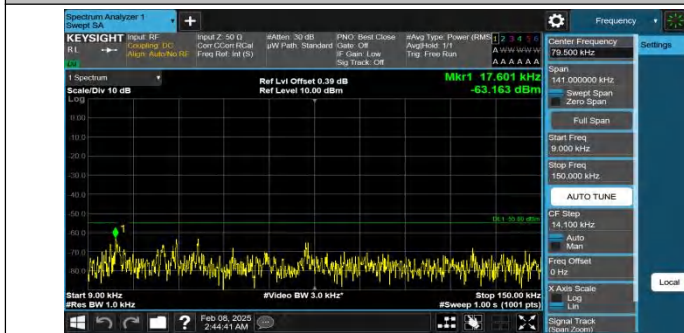
Band38-5MHz-QPSK-38225-1RB#24-30~1000-PASS



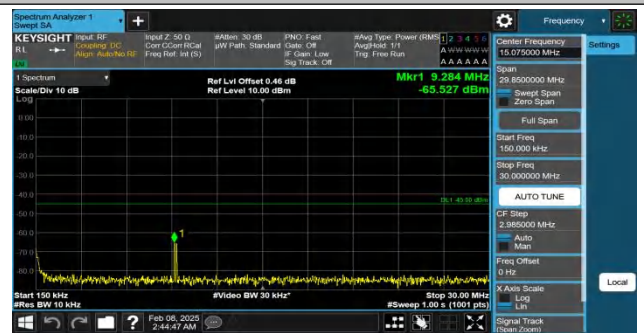
Band38-5MHz-QPSK-38225-1RB#24-1000~20000-PASS



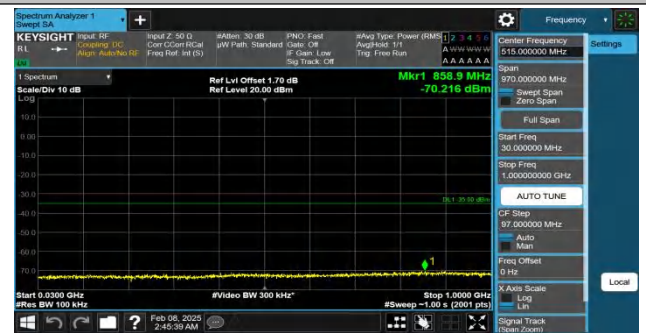
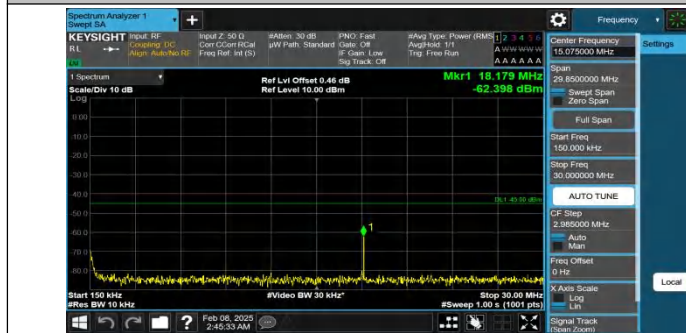
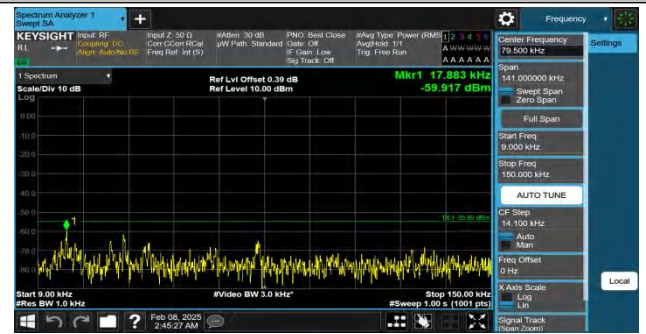
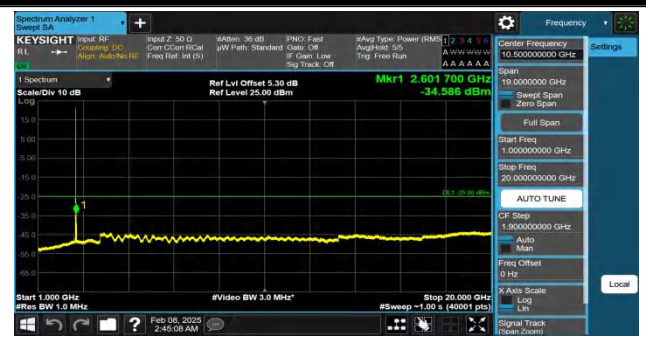
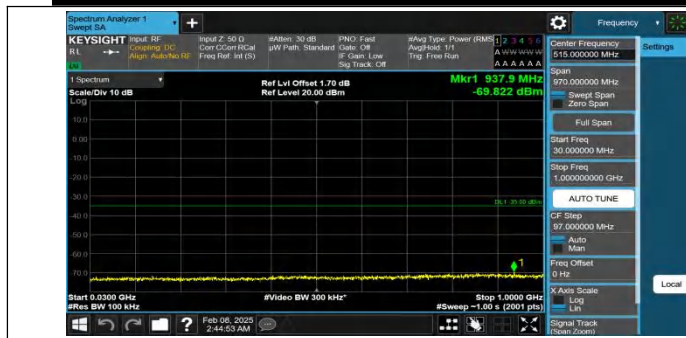
Band38-5MHz-QPSK-38225-1RB#24-20000~27000-PASS

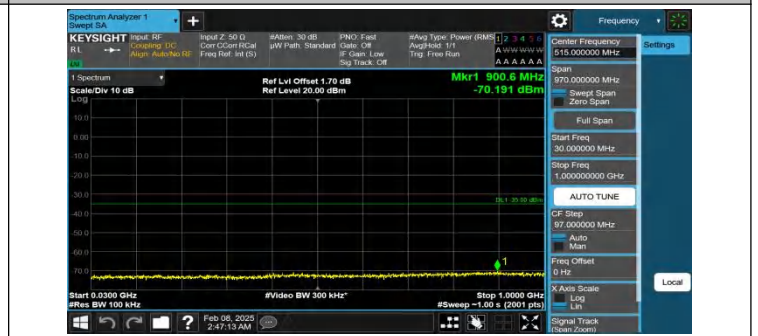
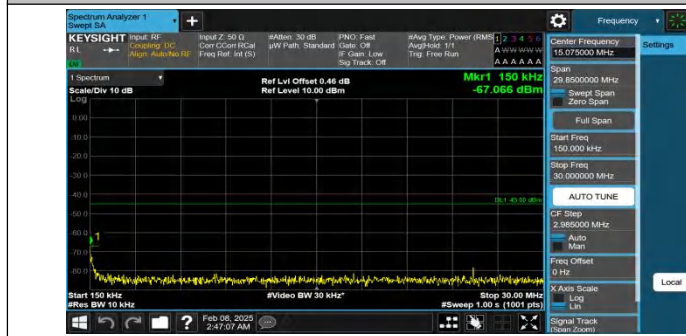
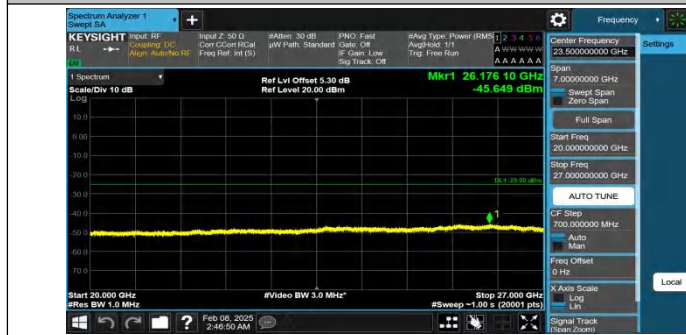
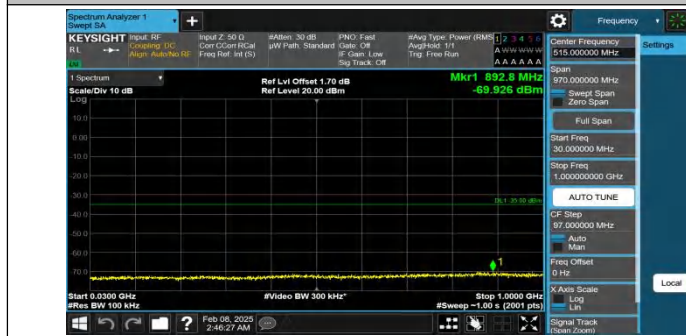
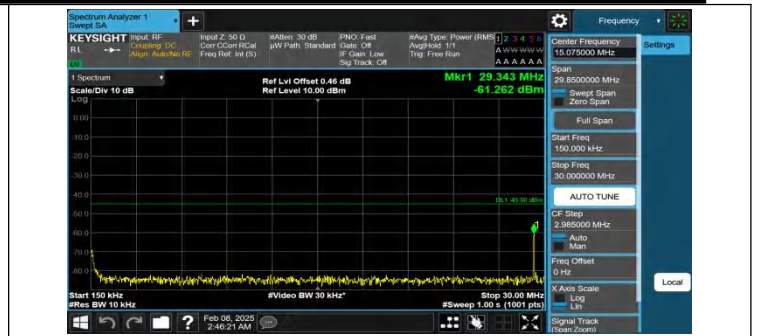


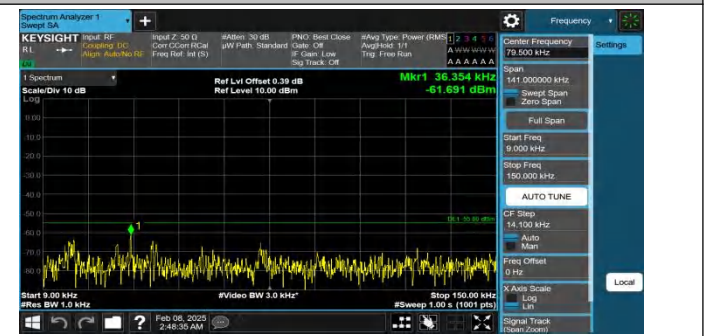
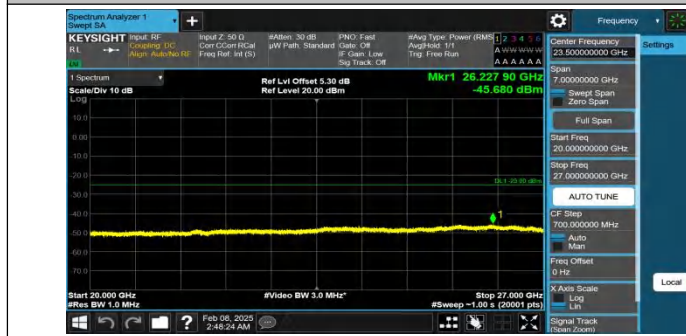
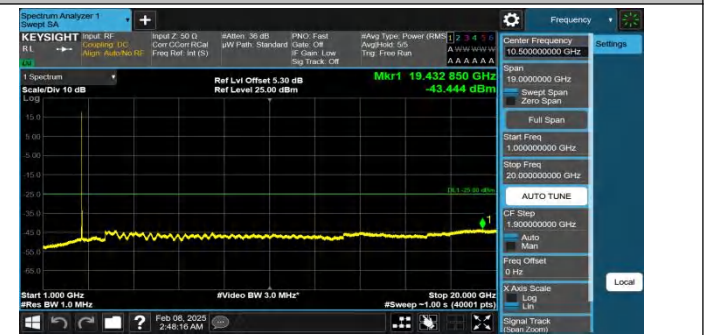
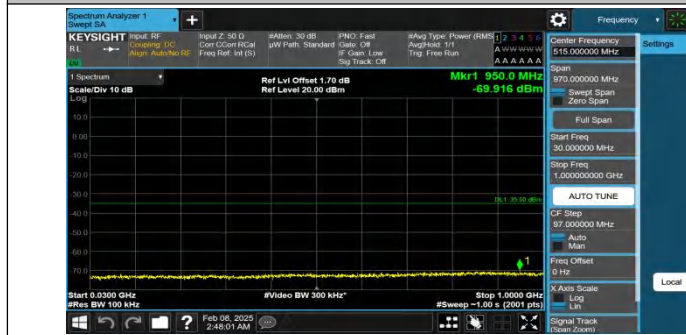
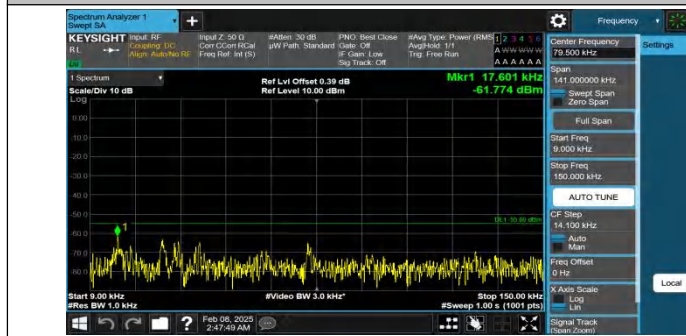
Band38-10MHz-QPSK-37800-1RB#0-0.009~0.15-PASS

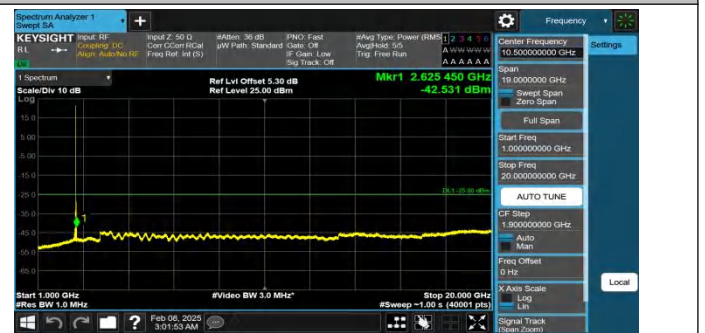
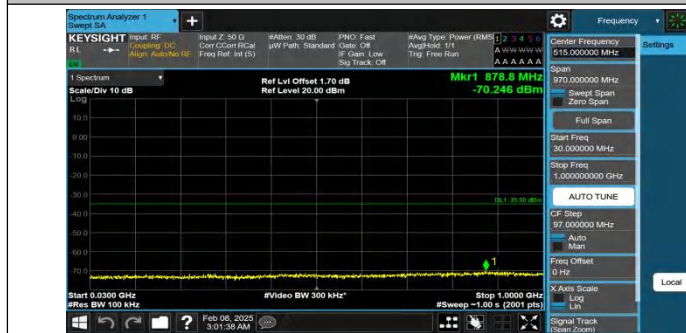


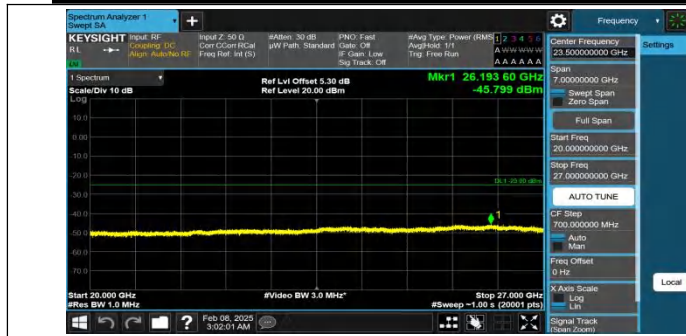
Band38-10MHz-QPSK-37800-1RB#0-0.15~30-PASS



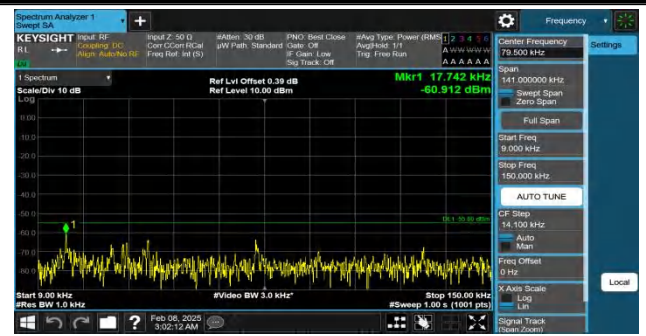








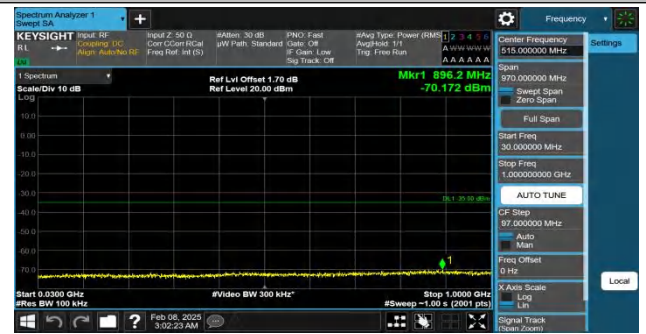
Band38-15MHz-QPSK-37825-1RB#0-20000~27000-PASS



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



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



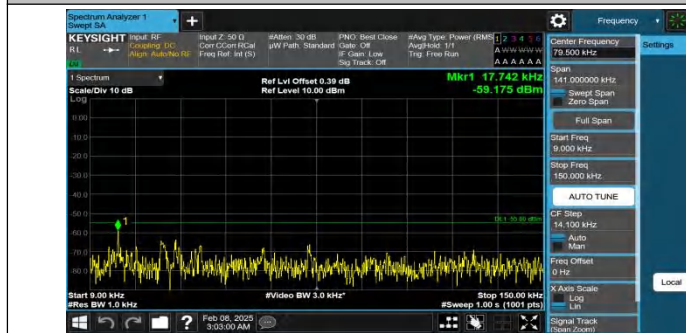
Band38-15MHz-QPSK-37825-1RB#74-30~1000-PASS



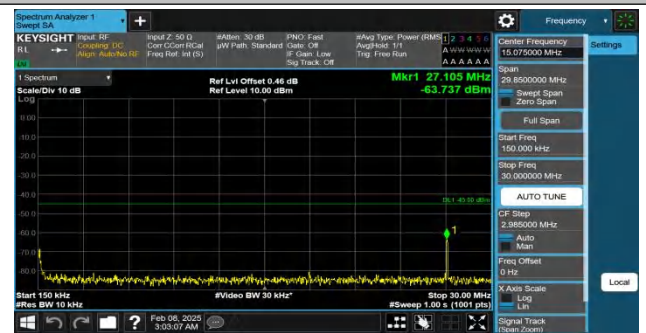
Band38-15MHz-QPSK-37825-1RB#74-1000~20000-PASS



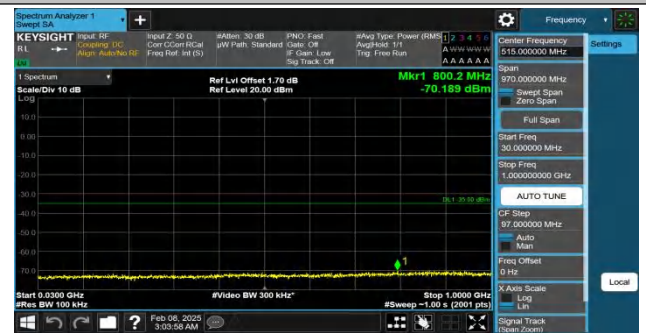
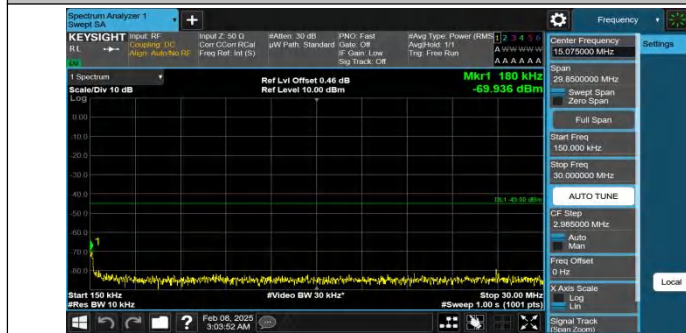
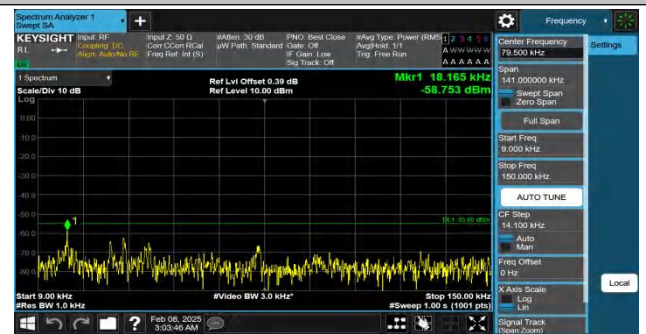
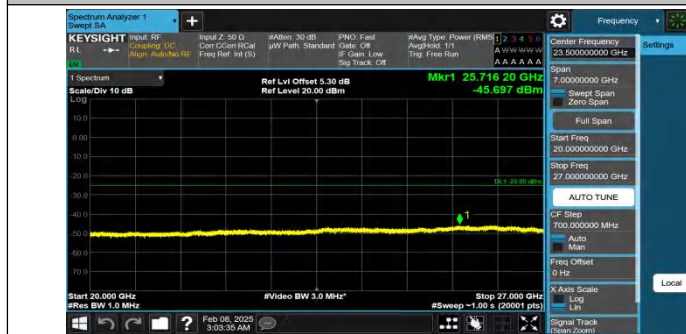
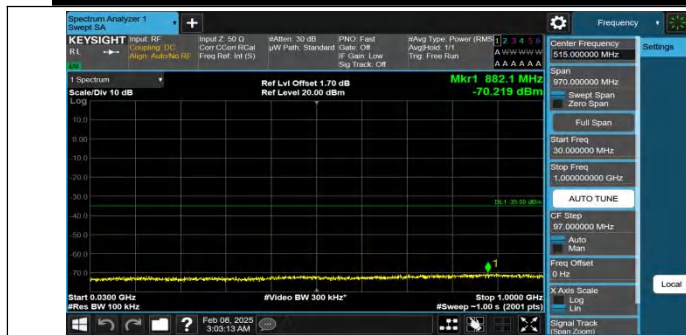
Band38-15MHz-QPSK-37825-1RB#74-20000~27000-PASS

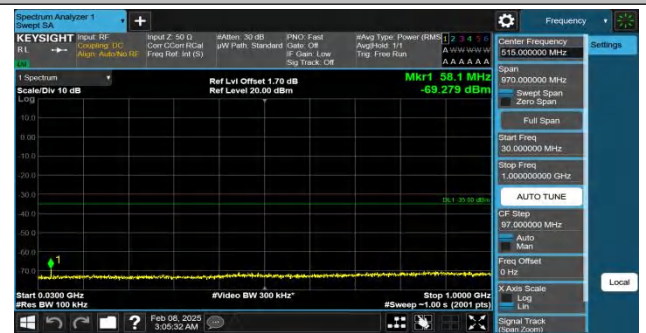
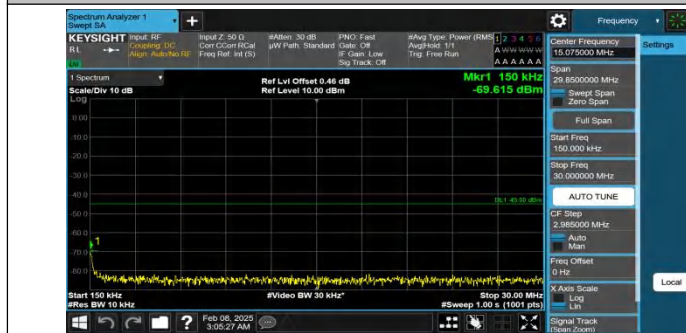
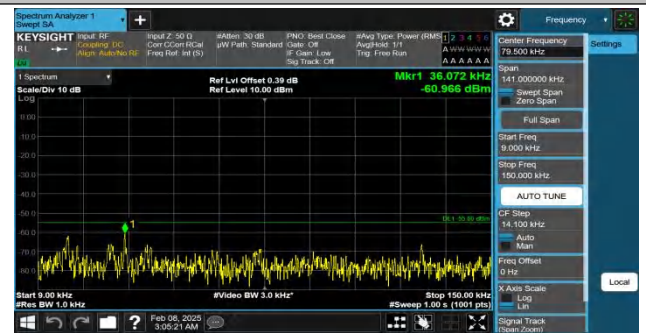
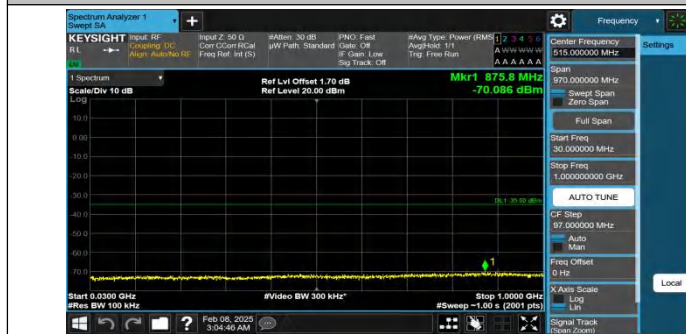
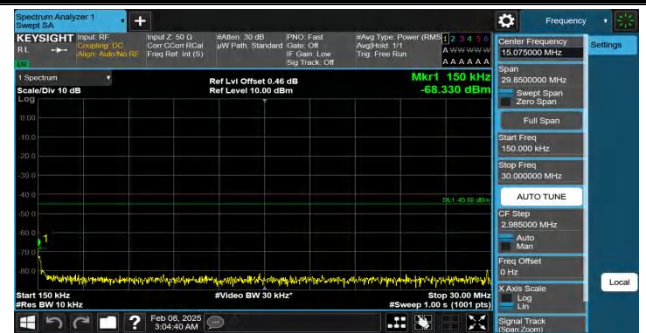


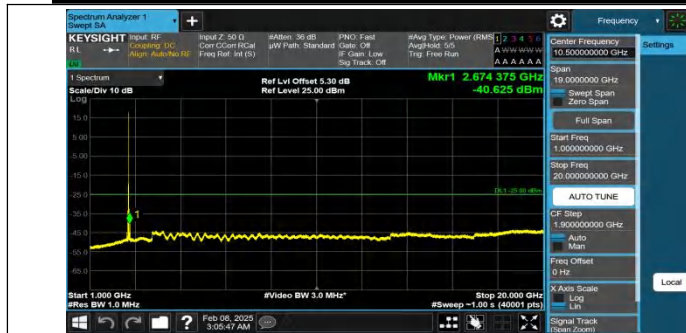
Band38-15MHz-QPSK-38000-1RB#0-0.009~0.15-PASS



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







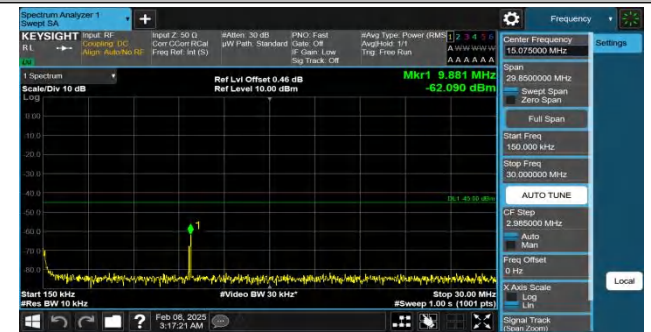
Band38-15MHz-QPSK-38175-1RB#74-1000~20000-PASS



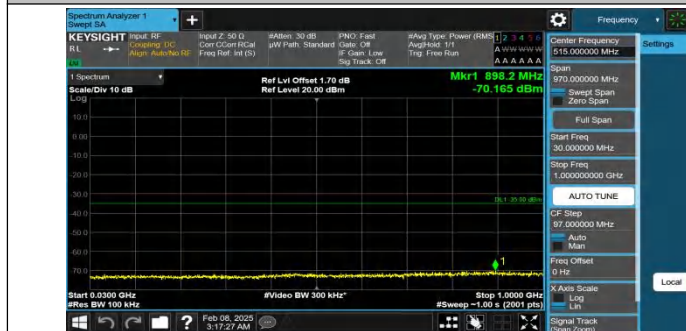
Band38-15MHz-QPSK-38175-1RB#74-20000~27000-PASS



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



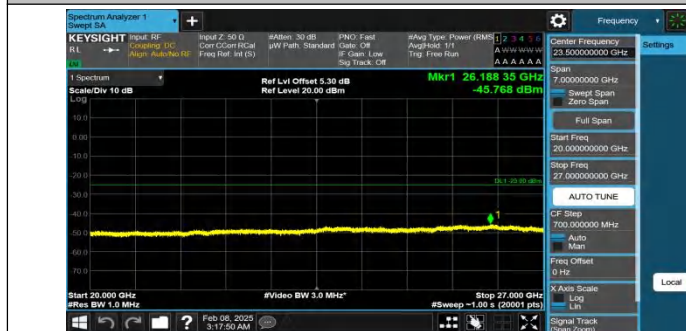
Band38-20MHz-QPSK-37850-1RB#0-0.15~30-PASS



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



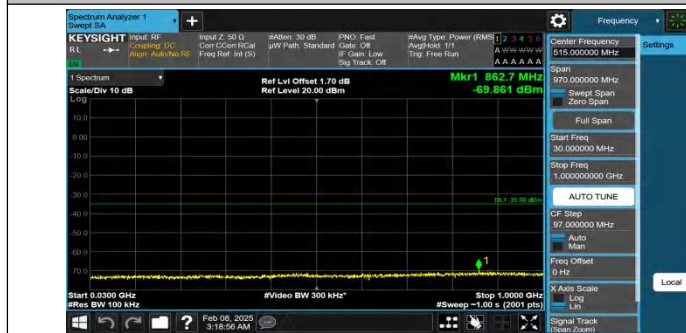
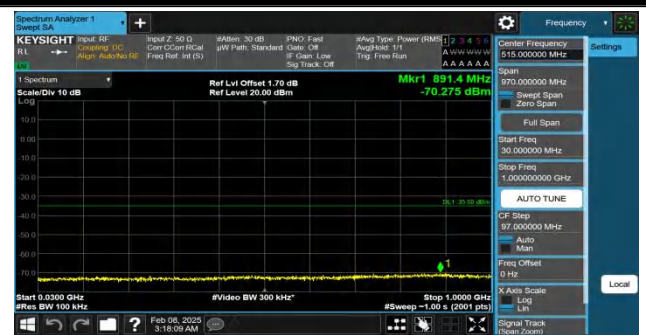
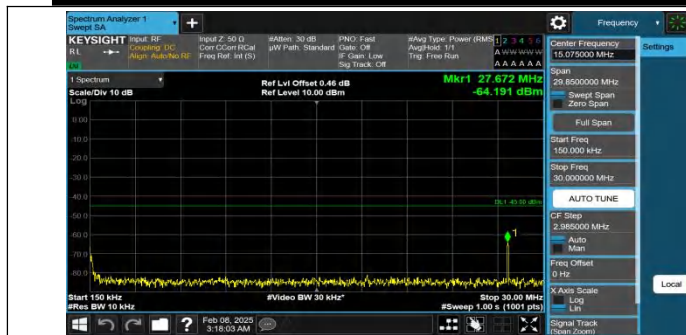
Band38-20MHz-QPSK-37850-1RB#0-1000~20000-PASS



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

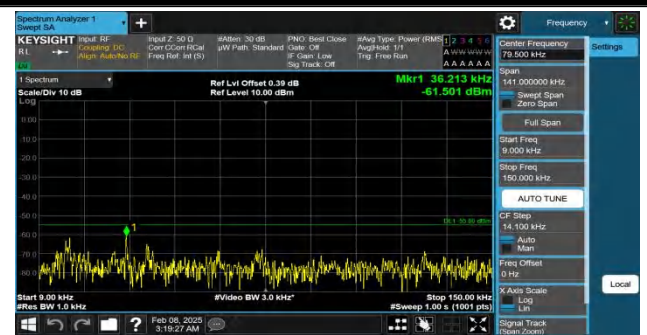


Band38-20MHz-QPSK-37850-1RB#99-0.009~0.15-PASS

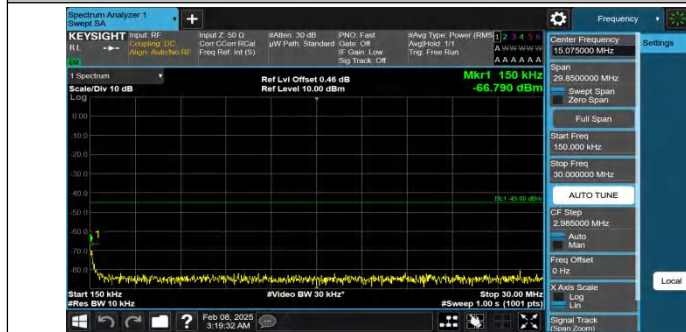




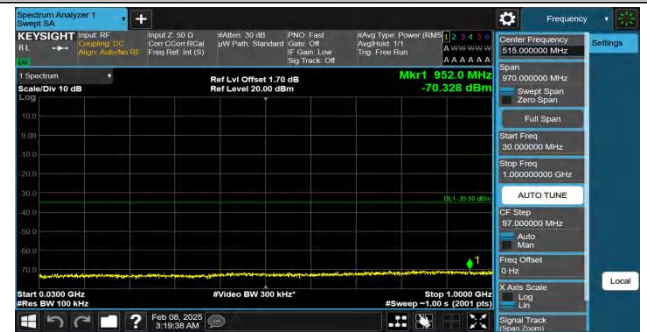
Band38-20MHz-QPSK-38000-1RB#0-20000~27000-PASS



Band38-20MHz-QPSK-38000-1RB#99-0.009~0.15-PASS



Band38-20MHz-QPSK-38000-1RB#99-0.15~30-PASS



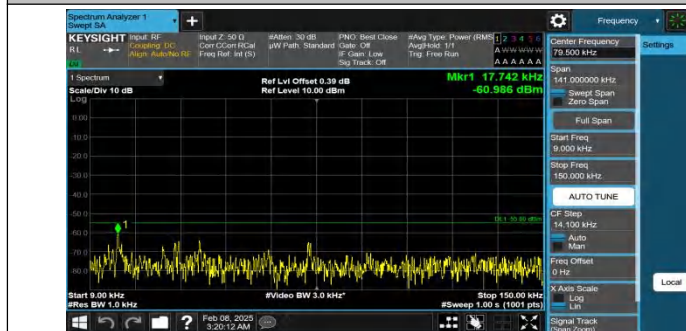
Band38-20MHz-QPSK-38000-1RB#99-30~1000-PASS



Band38-20MHz-QPSK-38000-1RB#99-1000~20000-PASS



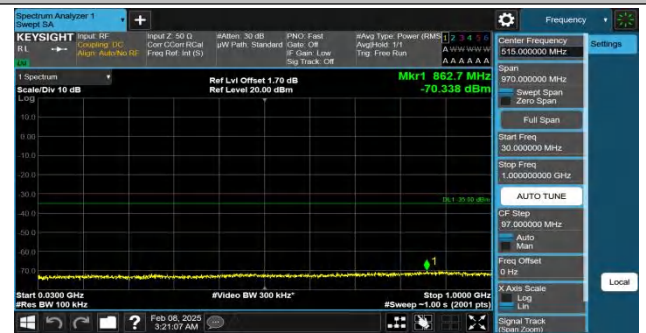
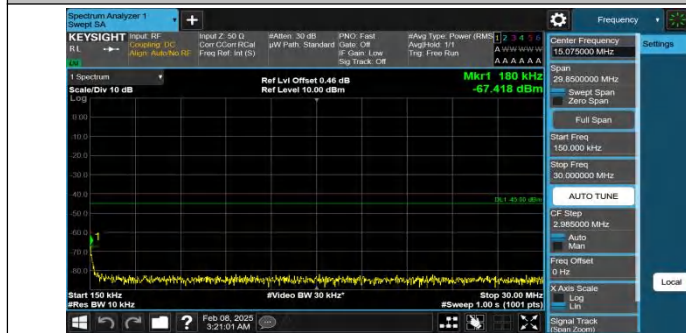
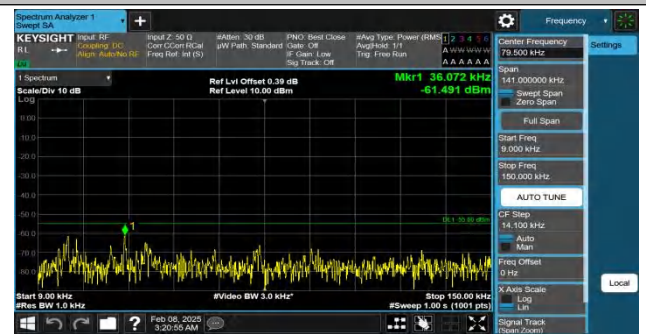
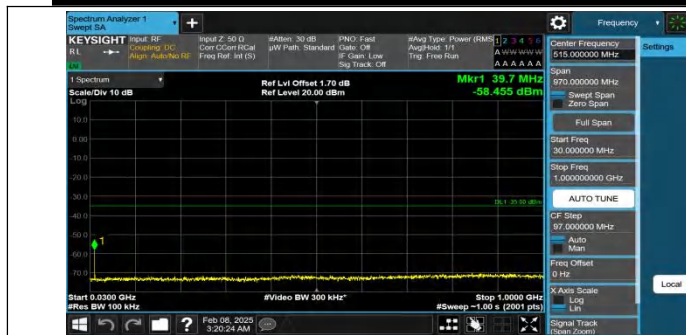
Band38-20MHz-QPSK-38000-1RB#99-20000~27000-PASS



Band38-20MHz-QPSK-38150-1RB#0-0.009~0.15-PASS



Band38-20MHz-QPSK-38150-1RB#0-0.15~30-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	5970.00	2.300578	±NA	2586.09597	2603.91597	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	VL	NT	540.00	0.208092	±NA	2586.08554	2603.91554	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	VH	NT	4370.00	1.684008	±NA	2586.09087	2603.91787	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	7070.00	2.724470	±NA	2586.09407	2603.92007	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-20	4690.00	1.807322	±NA	2586.09369	2603.91569	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-10	3920.00	1.510597	±NA	2586.09592	2603.91192	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	0	6070.00	2.339114	±NA	2586.09007	2603.92207	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	10	-2480.00	-0.955684	±NA	2586.08852	2603.90652	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	20	11310.00	4.358382	±NA	2586.09681	2603.92581	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	30	2420.00	0.932563	±NA	2586.10042	2603.90442	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	40	70.00	0.026975	±NA	2586.09707	2603.90307	2570-2620	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	50	3180.00	1.225434	±NA	2586.09568	2603.91068	2570-2620	PASS

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