

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain (dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.31	4.5	27.81	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.53	4.5	27.03	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.42	4.5	27.92	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.25	4.5	27.75	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.24	4.5	27.74	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.41	4.5	26.91	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.15	4.5	27.65	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.9	4.5	27.4	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.91	4.5	27.41	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.22	4.5	26.72	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.79	4.5	27.29	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.49	4.5	26.99	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.72	4.5	27.22	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.63	4.5	26.13	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.94	4.5	27.44	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.79	4.5	27.29	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.79	4.5	27.29	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.38	4.5	25.88	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.84	4.5	27.34	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	23	4.5	27.5	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.51	4.5	27.01	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.19	4.5	25.69	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.43	4.5	26.93	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.32	4.5	26.82	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.15	4.5	27.65	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.5	4.5	27	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.18	4.5	27.68	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.37	4.5	27.87	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.97	4.5	27.47	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.45	4.5	26.95	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.08	4.5	27.58	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.02	4.5	27.52	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.14	4.5	27.64	33	PASS

Band41	10MHz	QPSK	41540	50RB#0	22.21	4.5	26.71	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.75	4.5	27.25	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.76	4.5	27.26	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.59	4.5	27.09	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.49	4.5	25.99	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.58	4.5	27.08	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.73	4.5	27.23	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.92	4.5	26.42	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.45	4.5	25.95	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.78	4.5	27.28	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.65	4.5	27.15	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.74	4.5	27.24	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.25	4.5	25.75	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.72	4.5	27.22	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.69	4.5	27.19	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.88	4.5	27.38	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.39	4.5	26.89	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.2	4.5	27.7	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.25	4.5	27.75	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.03	4.5	27.53	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.41	4.5	26.91	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.12	4.5	27.62	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.53	4.5	28.03	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.76	4.5	27.26	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.18	4.5	26.68	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.66	4.5	27.16	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.73	4.5	27.23	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.54	4.5	27.04	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.51	4.5	26.01	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.65	4.5	27.15	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.37	4.5	26.87	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.24	4.5	26.74	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.35	4.5	25.85	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.14	4.5	26.64	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.43	4.5	26.93	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.81	4.5	27.31	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.15	4.5	25.65	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.54	4.5	27.04	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.61	4.5	27.11	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.04	4.5	27.54	33	PASS

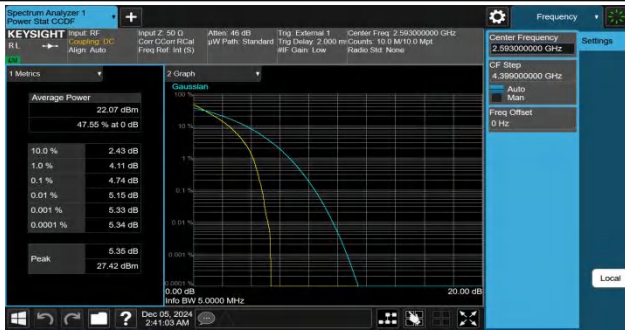
Band41	20MHz	QPSK	39750	100RB#0	22.39	4.5	26.89	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.48	4.5	27.98	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.46	4.5	27.96	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.07	4.5	27.57	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.41	4.5	26.91	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.35	4.5	27.85	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.18	4.5	27.68	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.89	4.5	27.39	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.27	4.5	26.77	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.19	4.5	27.69	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.04	4.5	27.54	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.79	4.5	27.29	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.48	4.5	25.98	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.03	4.5	27.53	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.82	4.5	27.32	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.28	4.5	26.78	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.42	4.5	25.92	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.42	4.5	26.92	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.6	4.5	27.1	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.74	4.5	26.24	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.26	4.5	25.76	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	22	4.5	26.5	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.69	4.5	26.19	33	PASS

Peak-to-Average Ratio(CCDF)

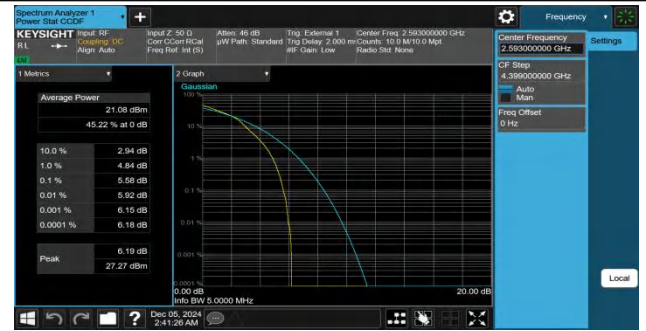
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.74	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	5.58	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	4.83	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	5.67	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	4.82	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	5.62	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	4.79	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	5.67	13	PASS

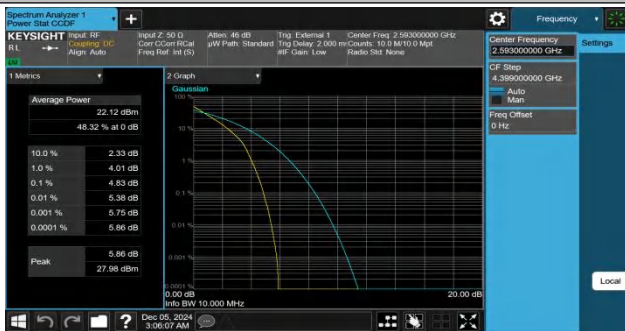
Test Graphs



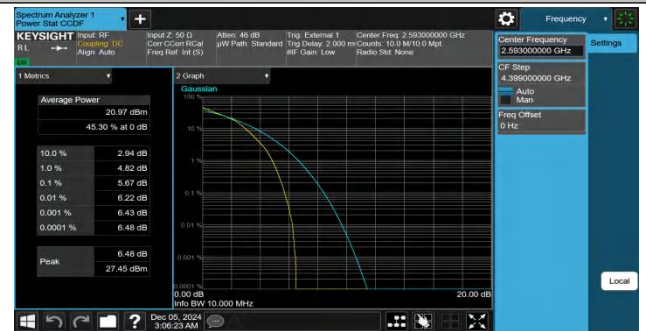
Band41-5MHz-QPSK-40620-25RB#0-PASS



Band41-5MHz-16QAM-40620-25RB#0-PASS



Band41-10MHz-QPSK-40620-50RB#0-PASS



Band41-10MHz-16QAM-40620-50RB#0-PASS



Band41-15MHz-QPSK-40620-75RB#0-PASS



Band41-15MHz-16QAM-40620-75RB#0-PASS



Band41-20MHz-QPSK-40620-100RB#0-PASS



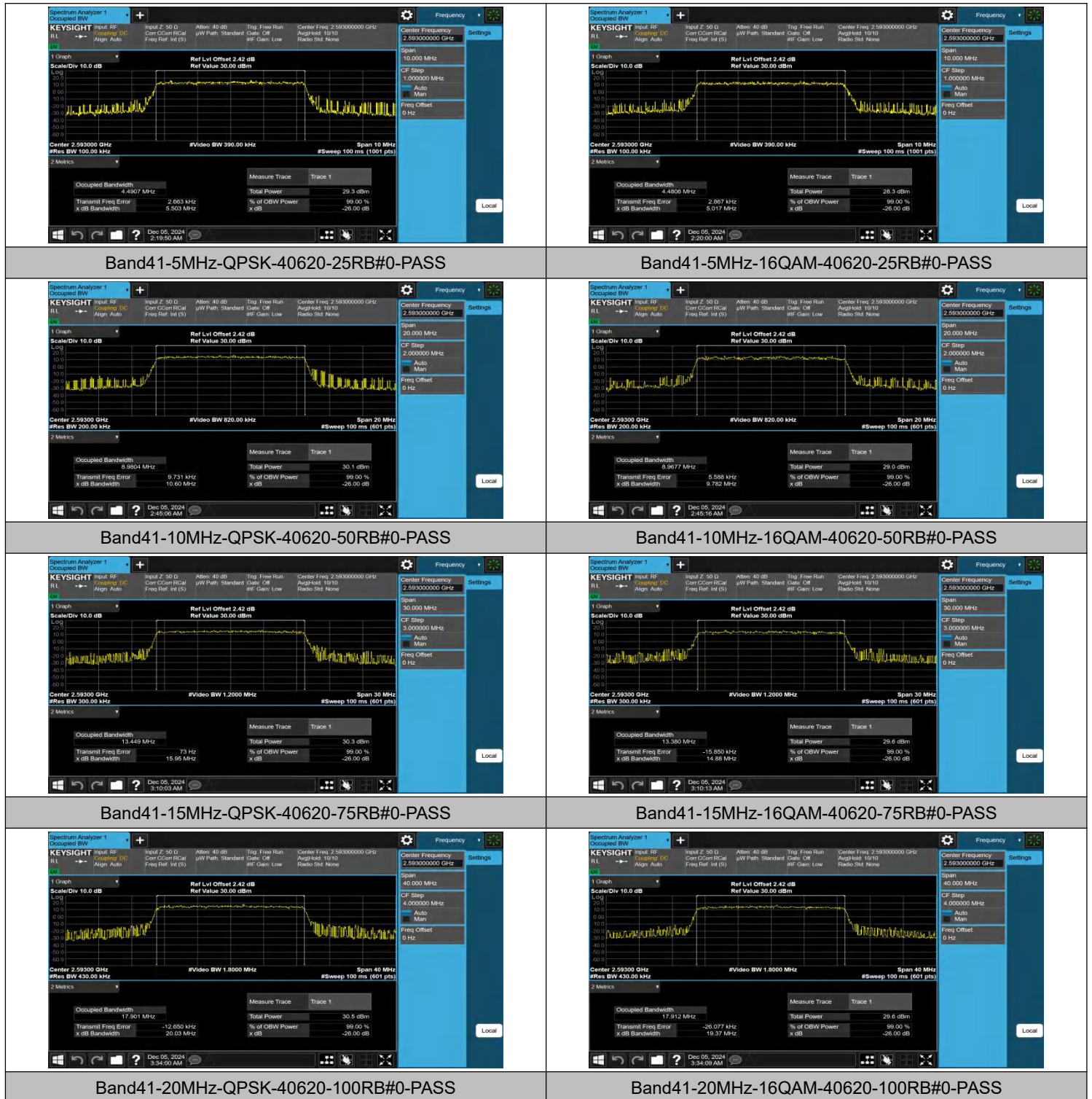
Band41-20MHz-16QAM-40620-100RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

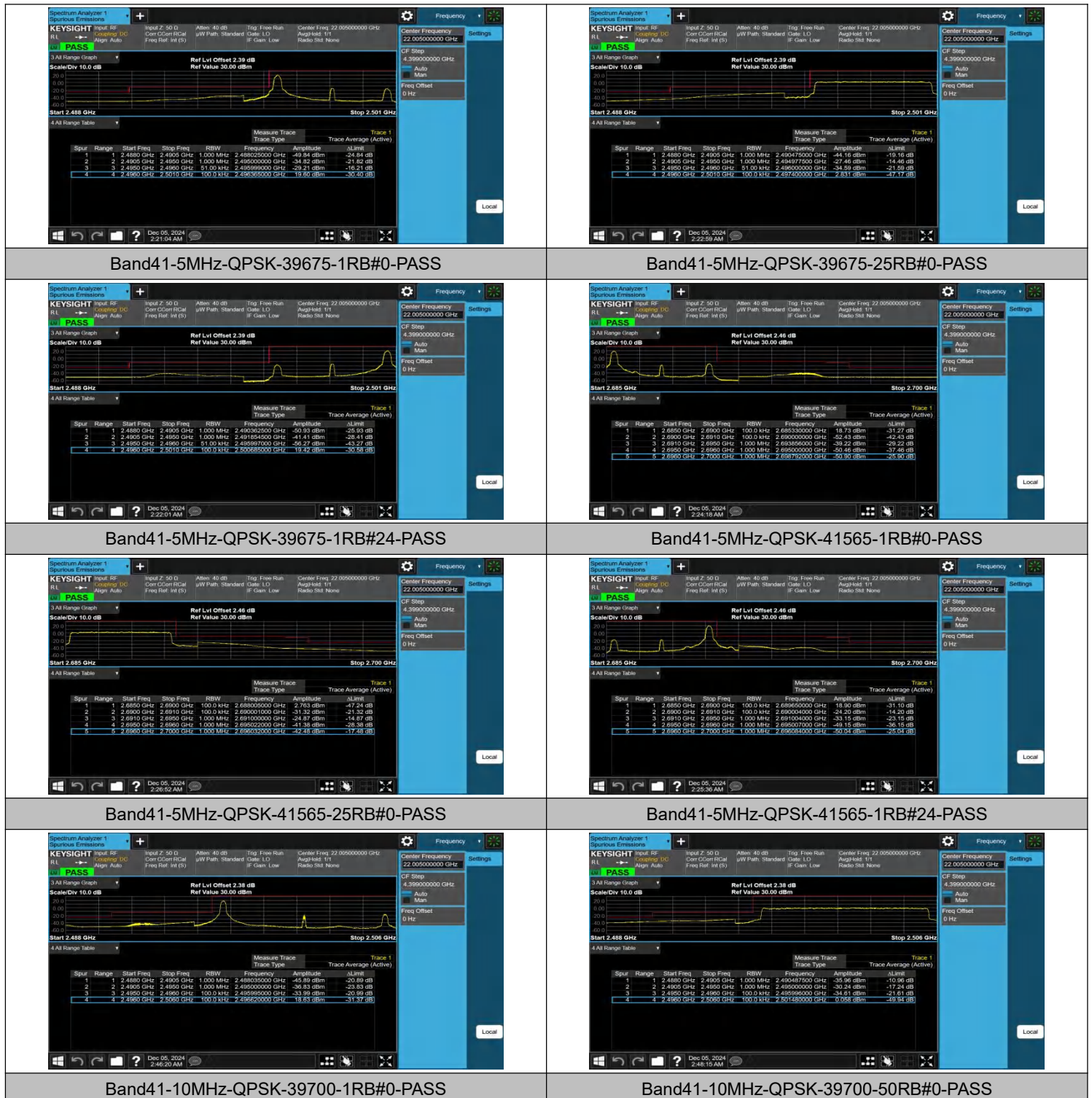
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.4907	5.503	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4806	5.017	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9804	10.60	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9677	9.782	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.449	15.95	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.380	14.88	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.901	20.03	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.912	19.37	PASS

Test Graphs



Band Edge

Test Graphs

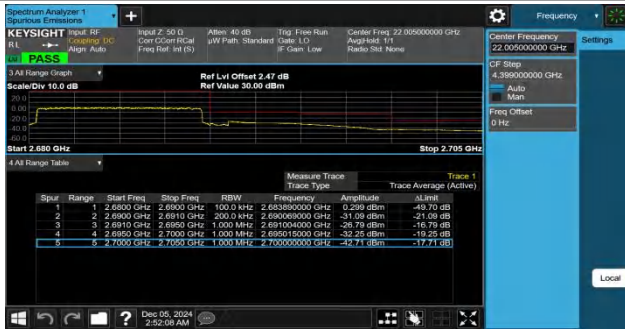




Band41-10MHz-QPSK-39700-1RB#49-PASS



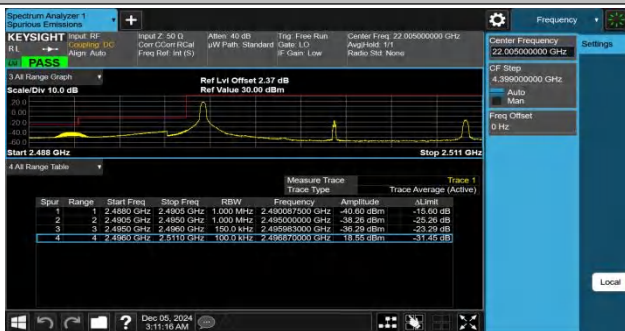
Band41-10MHz-QPSK-41540-1RB#0-PASS



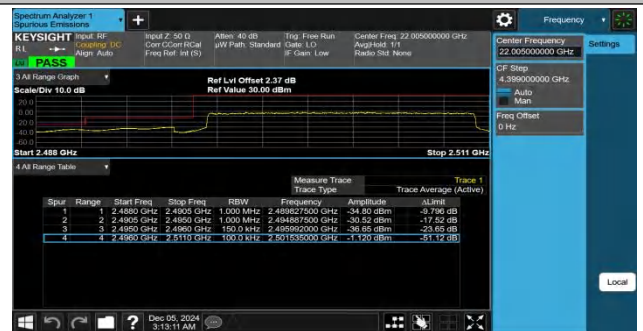
Band41-10MHz-QPSK-41540-50RB#0-PASS



Band41-10MHz-QPSK-41540-1RB#49-PASS



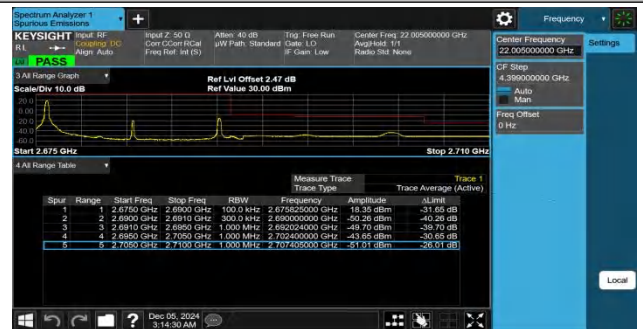
Band41-15MHz-QPSK-39725-1RB#0-PASS



Band41-15MHz-QPSK-39725-75RB#0-PASS



Band41-15MHz-QPSK-39725-1RB#74-PASS



Band41-15MHz-QPSK-41515-1RB#0-PASS



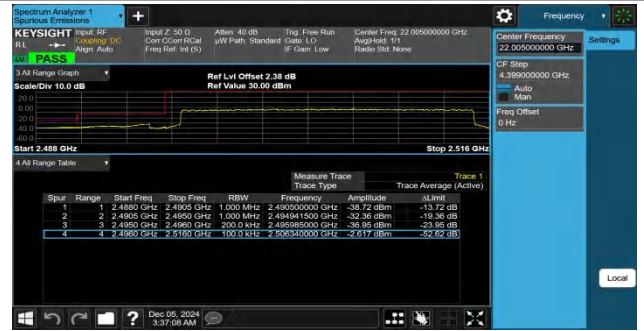
Band41-15MHz-QPSK-41515-75RB#0-PASS



Band41-15MHz-QPSK-41515-1RB#74-PASS



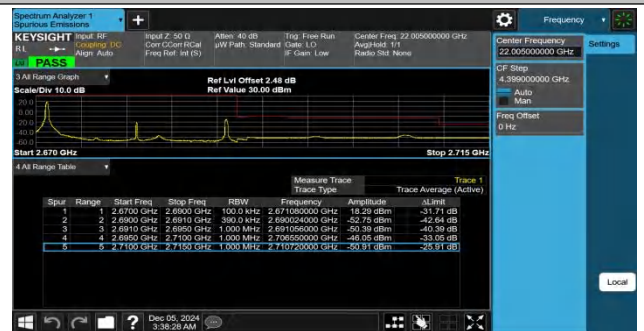
Band41-20MHz-QPSK-39750-1RB#0-PASS



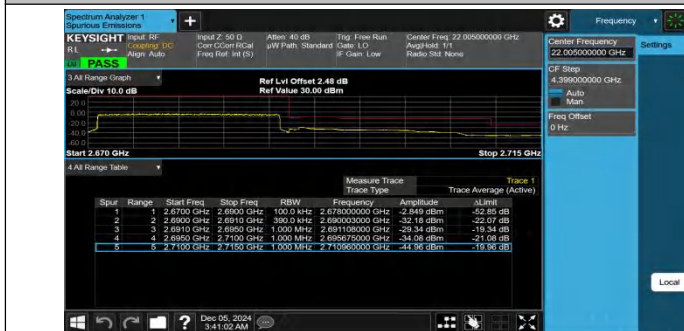
Band41-20MHz-QPSK-39750-100RB#0-PASS



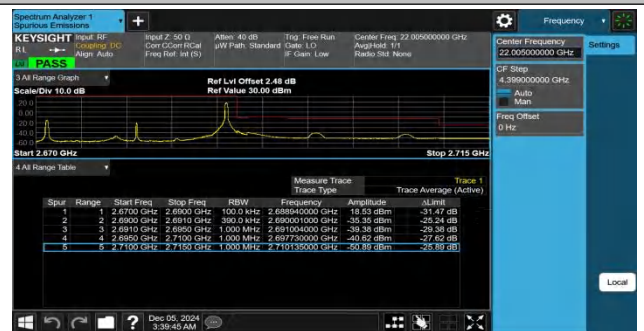
Band41-20MHz-QPSK-39750-1RB#99-PASS



Band41-20MHz-QPSK-41490-1RB#0-PASS



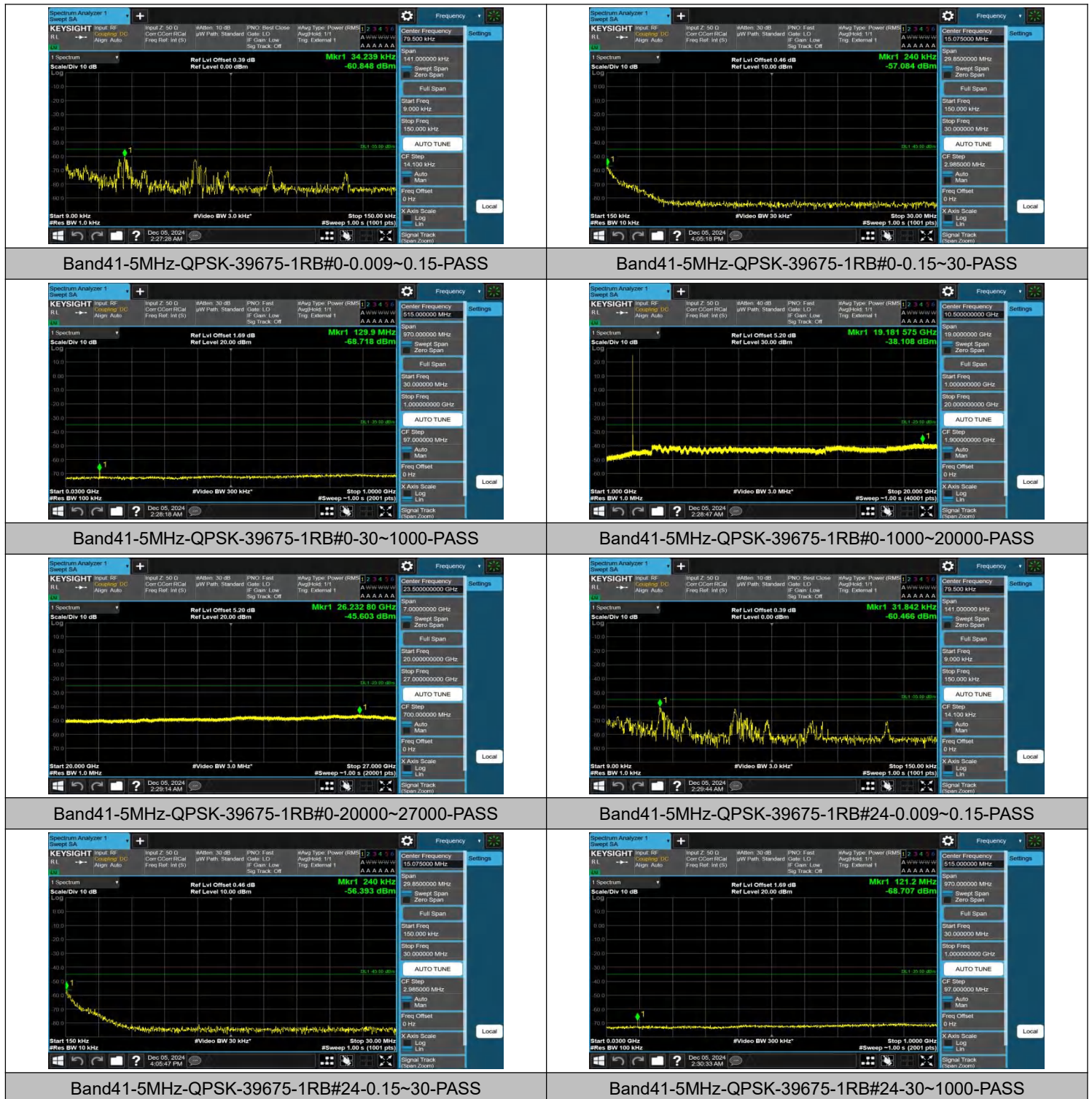
Band41-20MHz-QPSK-41490-100RB#0-PASS

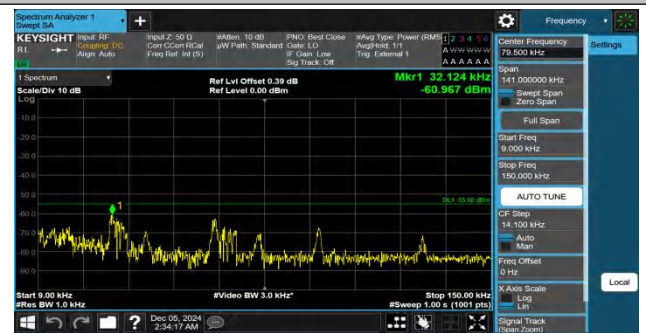
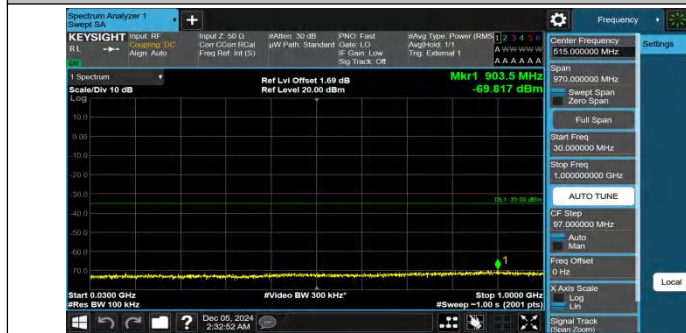
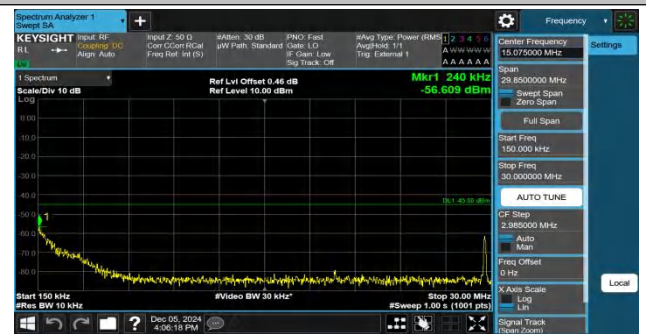
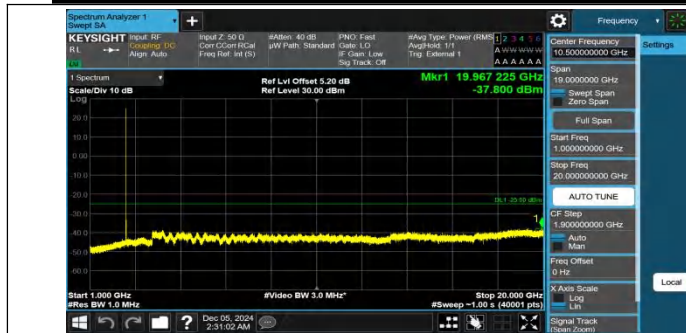


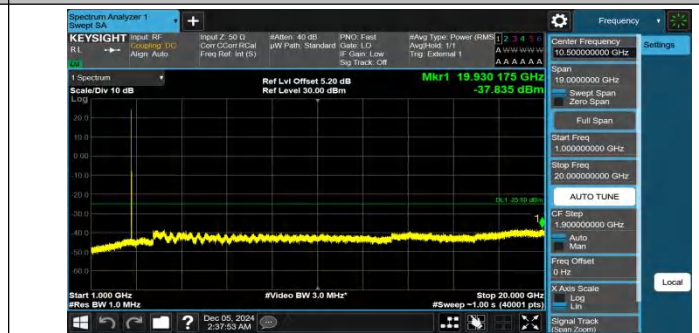
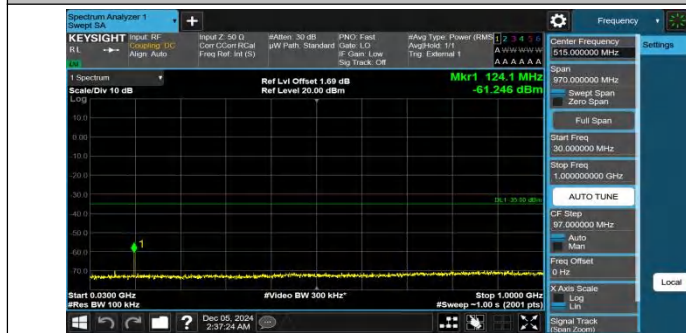
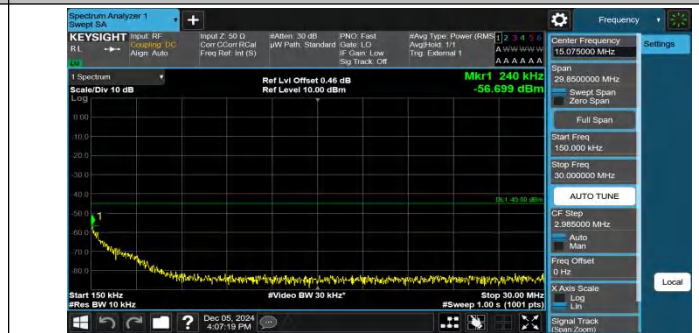
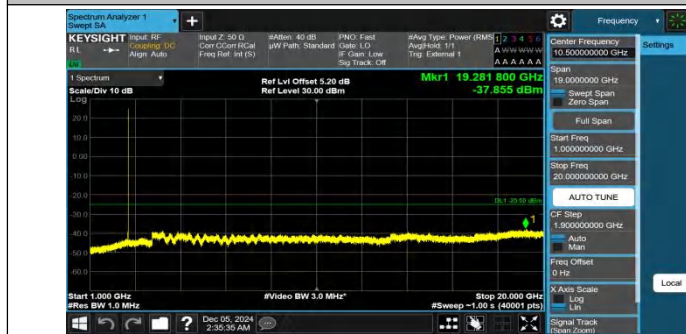
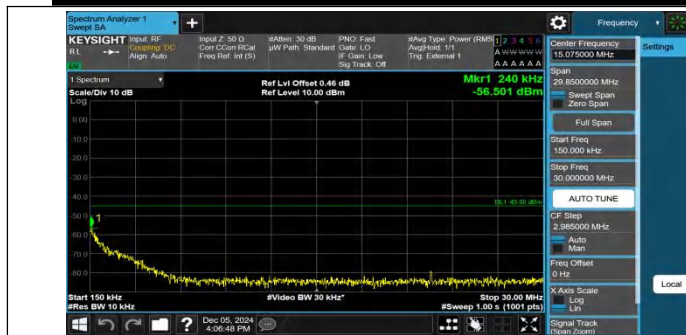
Band41-20MHz-QPSK-41490-1RB#99-PASS

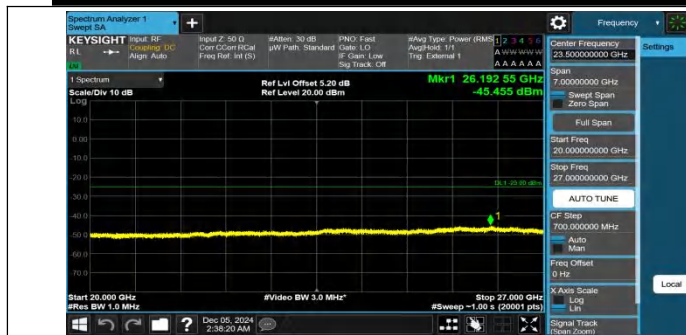
Conducted Spurious Emission

Test Graphs

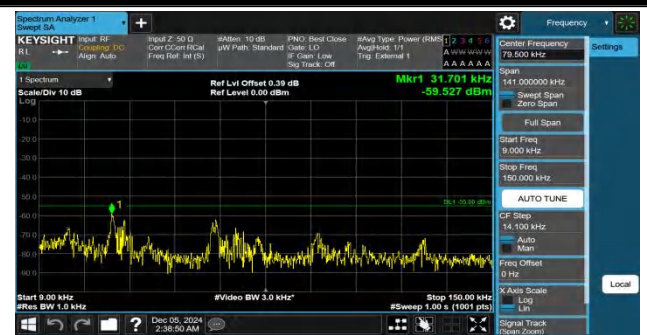




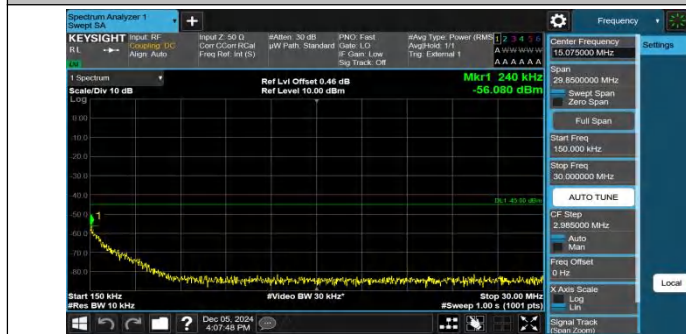




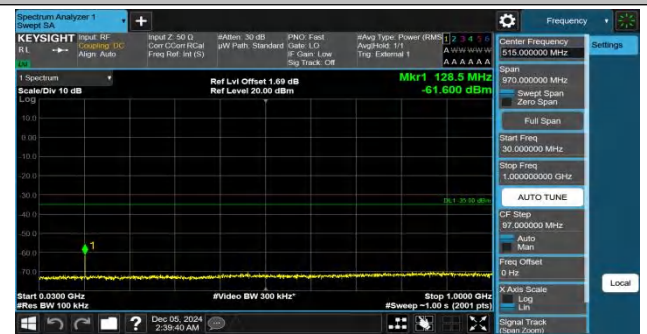
Band41-5MHz-QPSK-41565-1RB#0-20000~27000-PASS



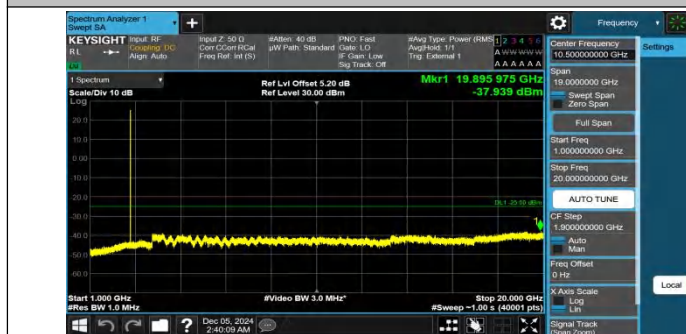
Band41-5MHz-QPSK-41565-1RB#24-0.009~0.15-PASS



Band41-5MHz-QPSK-41565-1RB#24-0.15~30-PASS



Band41-5MHz-QPSK-41565-1RB#24-30~1000-PASS



Band41-5MHz-QPSK-41565-1RB#24-1000~20000-PASS



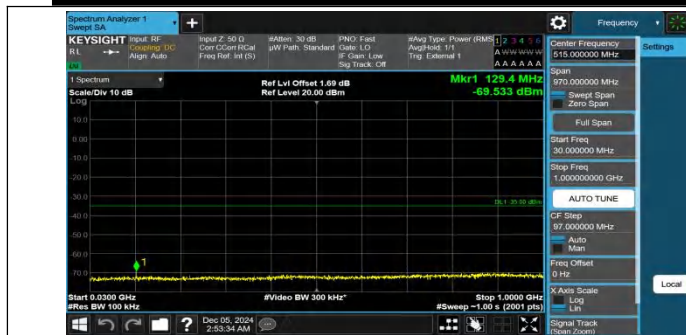
Band41-5MHz-QPSK-41565-1RB#24-20000~27000-PASS



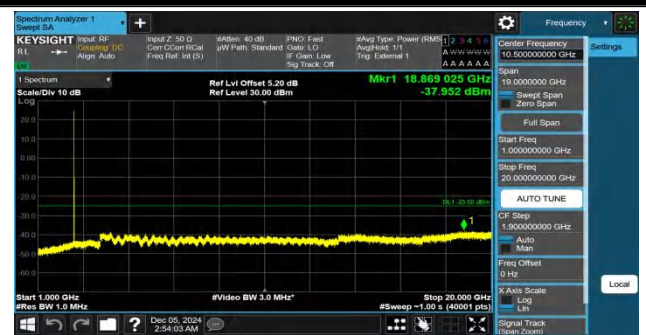
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Band41-10MHz-QPSK-39700-1RB#0-0.15~30-PASS



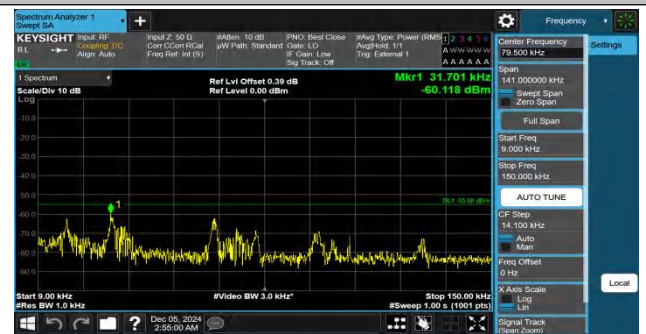
Band41-10MHz-QPSK-39700-1RB#0-30~1000-PASS



Band41-10MHz-QPSK-39700-1RB#0-1000~20000-PASS



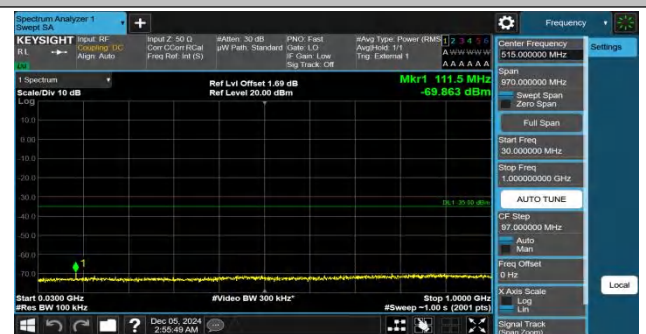
Band41-10MHz-QPSK-39700-1RB#0-20000~27000-PASS



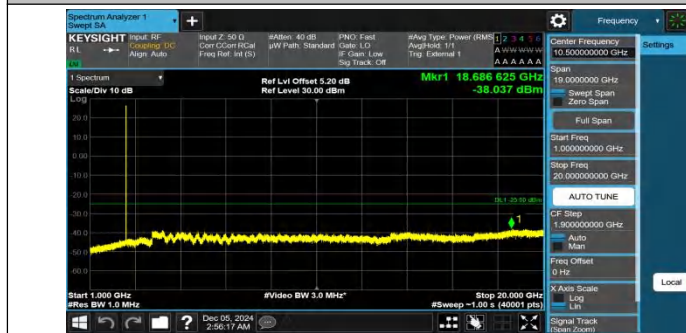
Band41-10MHz-QPSK-39700-1RB#49-0.009~0.15-PASS



Band41-10MHz-QPSK-39700-1RB#49-0.15~30-PASS



Band41-10MHz-QPSK-39700-1RB#49-30~1000-PASS



Band41-10MHz-QPSK-39700-1RB#49-1000~20000-PASS



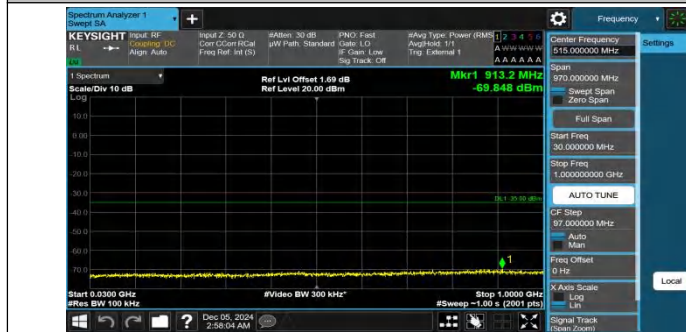
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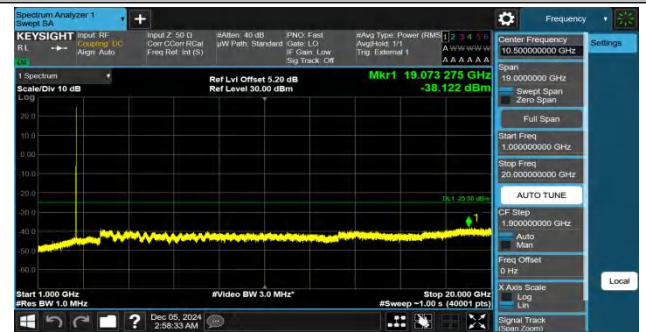
Band41-10MHz-QPSK-40620-1RB#0-0.009~0.15-PASS



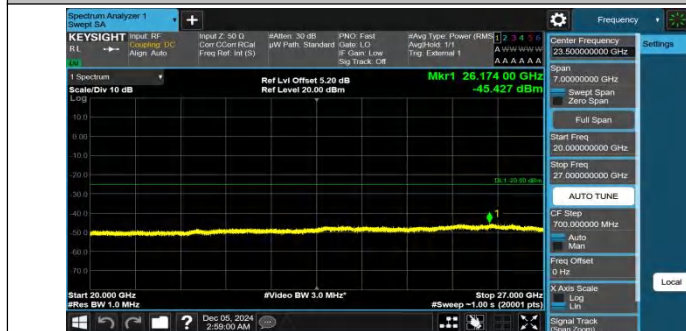
Band41-10MHz-QPSK-40620-1RB#0-0.15~30-PASS



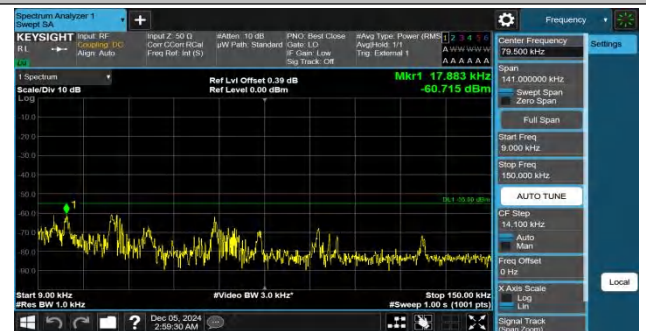
Band41-10MHz-QPSK-40620-1RB#0-30~1000-PASS



Band41-10MHz-QPSK-40620-1RB#0-1000~20000-PASS



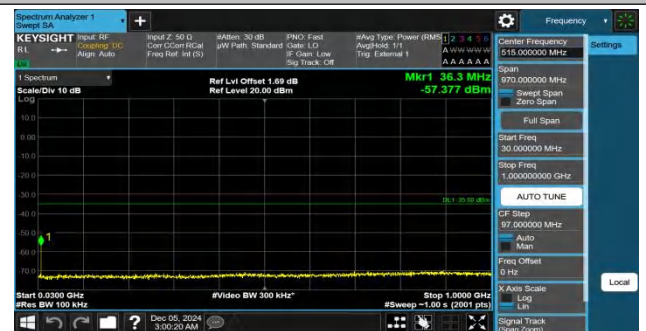
Band41-10MHz-QPSK-40620-1RB#0-20000~27000-PASS



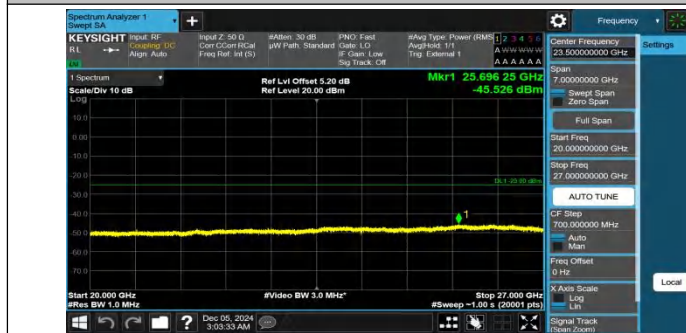
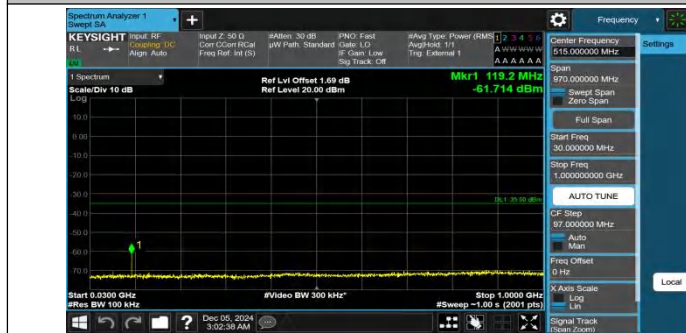
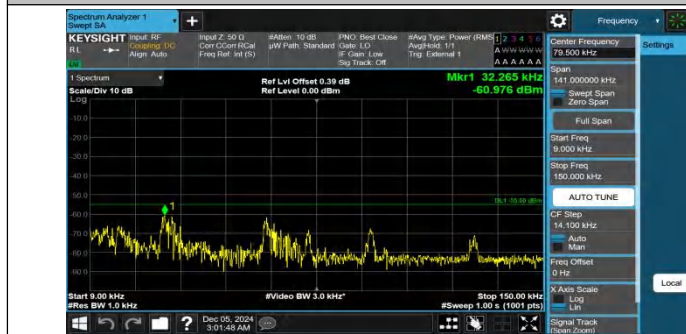
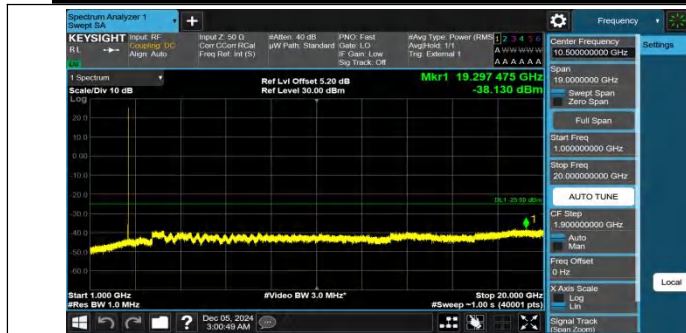
Band41-10MHz-QPSK-40620-1RB#49-0.009~0.15-PASS

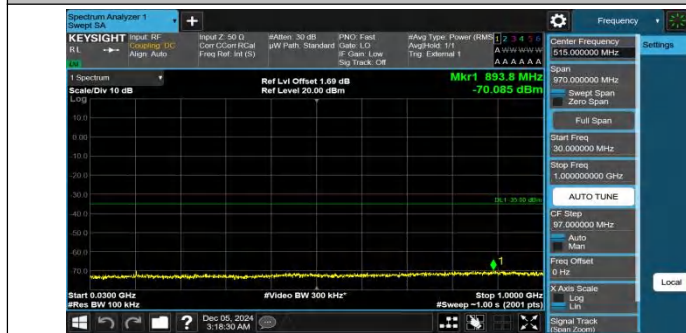
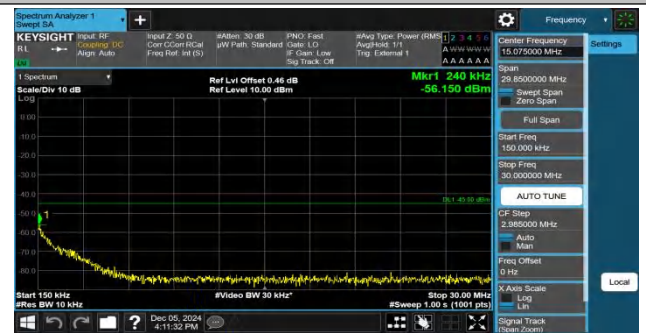
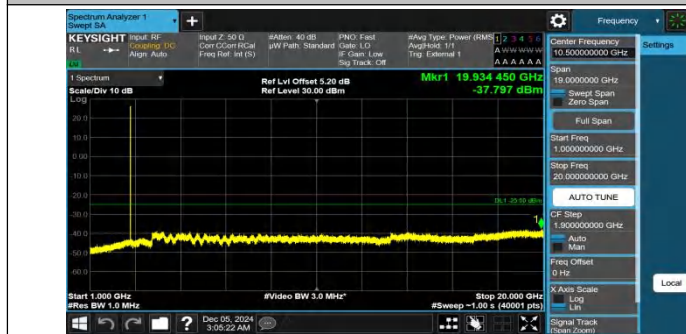
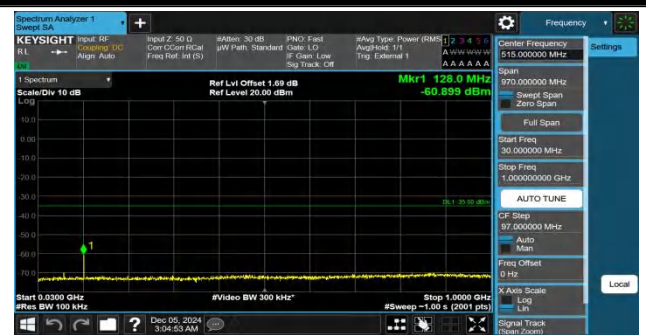
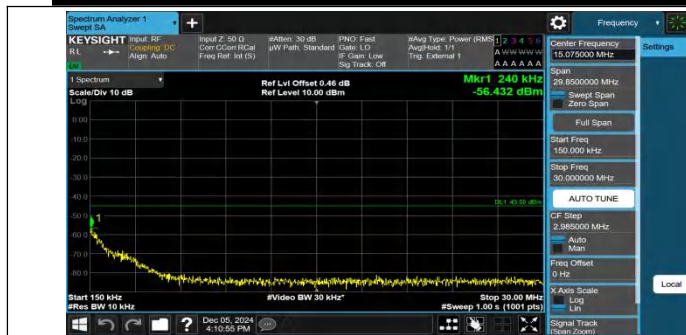


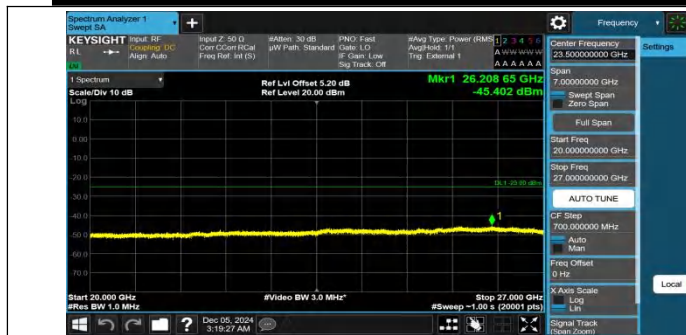
Band41-10MHz-QPSK-40620-1RB#49-0.15~30-PASS



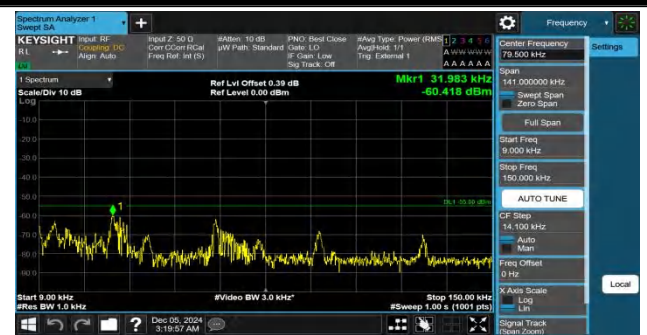
Band41-10MHz-QPSK-40620-1RB#49-30~1000-PASS



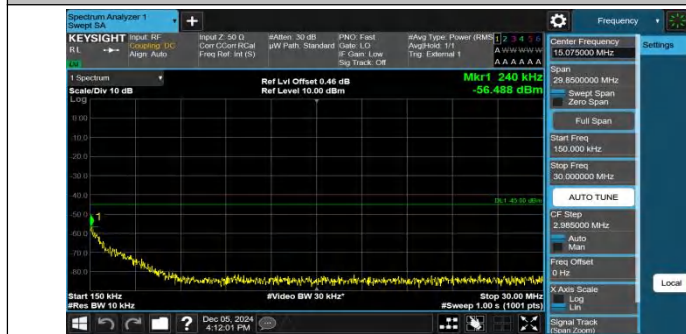




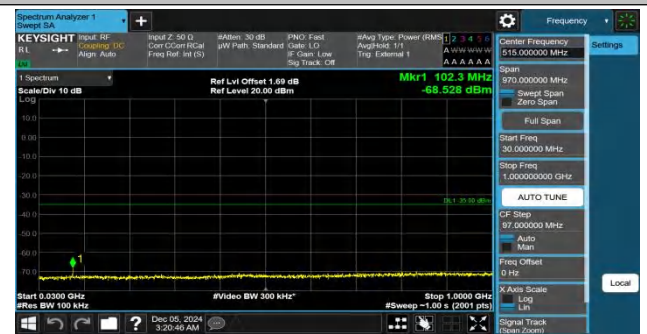
Band41-15MHz-QPSK-39725-1RB#0-20000~27000-PASS



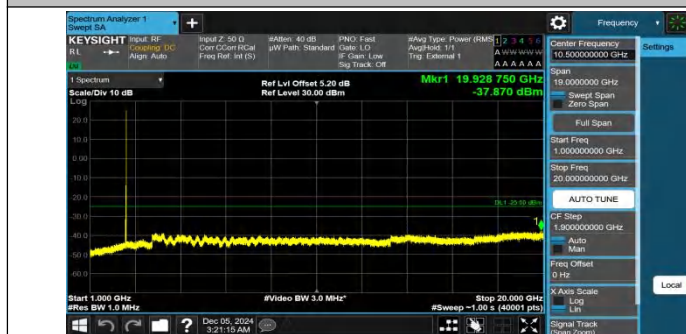
Band41-15MHz-QPSK-39725-1RB#74-0.009~0.15-PASS



Band41-15MHz-QPSK-39725-1RB#74-0.15~30-PASS



Band41-15MHz-QPSK-39725-1RB#74-30~1000-PASS



Band41-15MHz-QPSK-39725-1RB#74-1000~20000-PASS



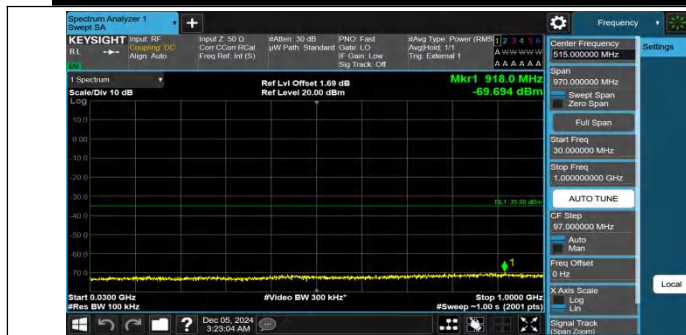
Band41-15MHz-QPSK-39725-1RB#74-20000~27000-PASS



Band41-15MHz-QPSK-40620-1RB#0-0.009~0.15-PASS



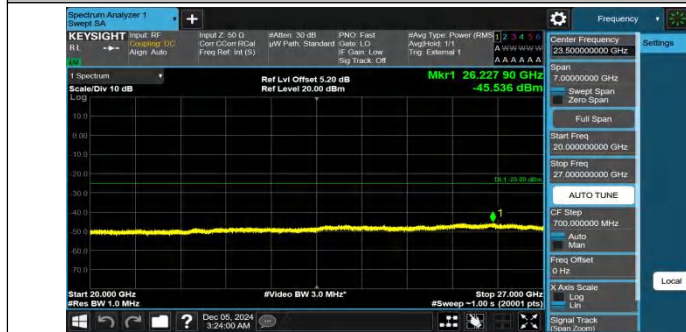
Band41-15MHz-QPSK-40620-1RB#0-0.15~30-PASS



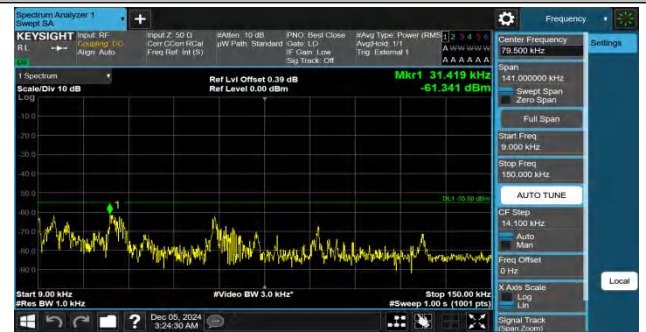
Band41-15MHz-QPSK-40620-1RB#0-30~1000-PASS



Band41-15MHz-QPSK-40620-1RB#0-1000~20000-PASS



Band41-15MHz-QPSK-40620-1RB#0-20000~27000-PASS



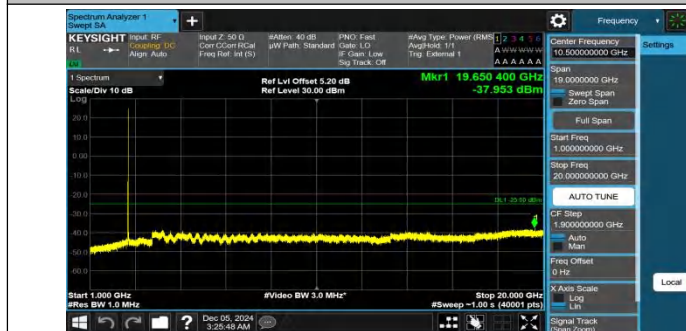
Band41-15MHz-QPSK-40620-1RB#74-0.009~0.15-PASS



Band41-15MHz-QPSK-40620-1RB#74-0.15~30-PASS



Band41-15MHz-QPSK-40620-1RB#74-30~1000-PASS



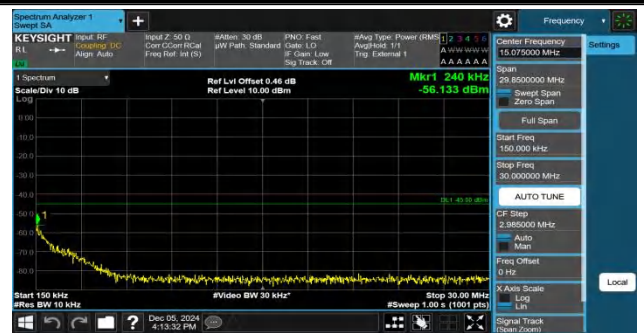
Band41-15MHz-QPSK-40620-1RB#74-1000~20000-PASS



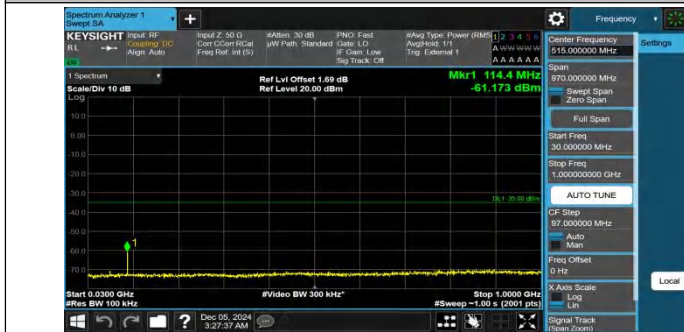
Band41-15MHz-QPSK-40620-1RB#74-20000~27000-PASS



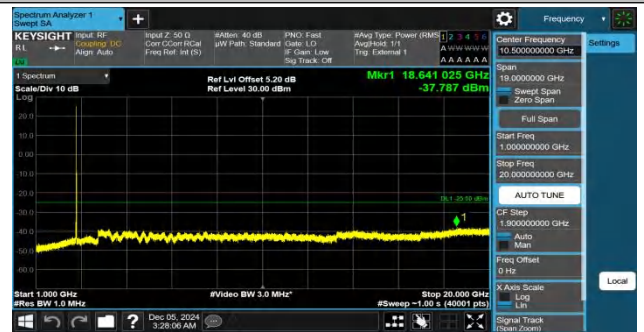
Band41-15MHz-QPSK-41515-1RB#0-0.009~0.15-PASS



Band41-15MHz-QPSK-41515-1RB#0-0.15~30-PASS



Band41-15MHz-QPSK-41515-1RB#0-30~1000-PASS



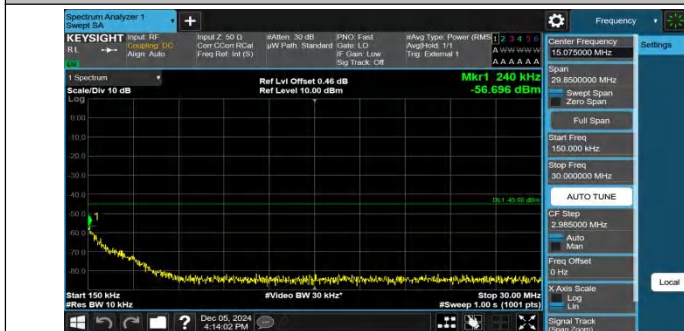
Band41-15MHz-QPSK-41515-1RB#0-1000~20000-PASS



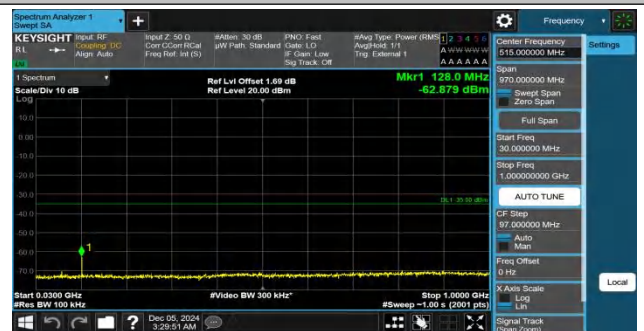
Band41-15MHz-QPSK-41515-1RB#0-20000~27000-PASS



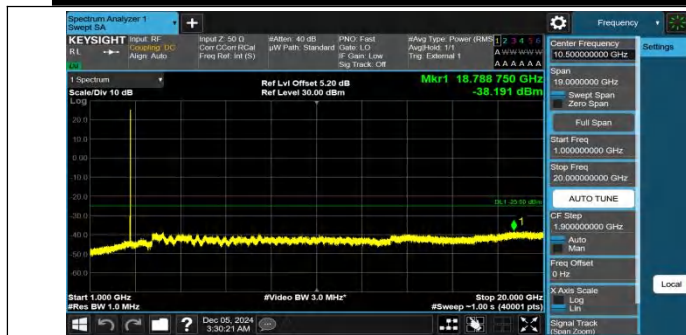
Band41-15MHz-QPSK-41515-1RB#74-0.009~0.15-PASS



Band41-15MHz-QPSK-41515-1RB#74-0.15~30-PASS



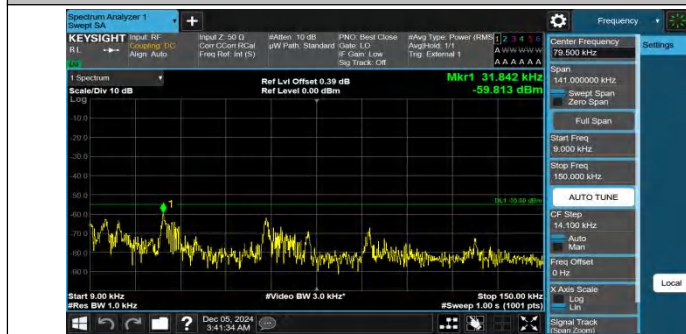
Band41-15MHz-QPSK-41515-1RB#74-30~1000-PASS



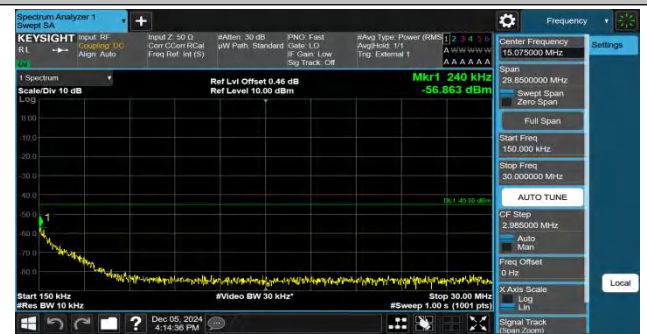
Band41-15MHz-QPSK-41515-1RB#74-1000~20000-PASS



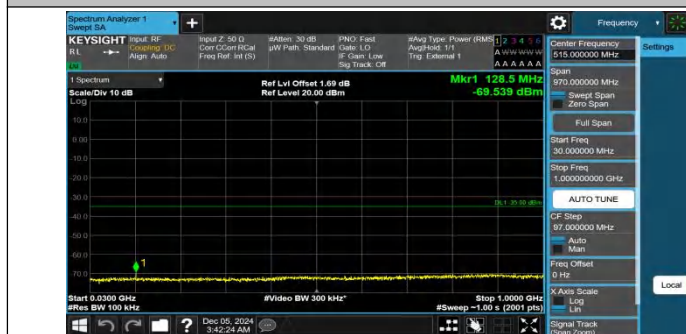
Band41-15MHz-QPSK-41515-1RB#74-20000~27000-PASS



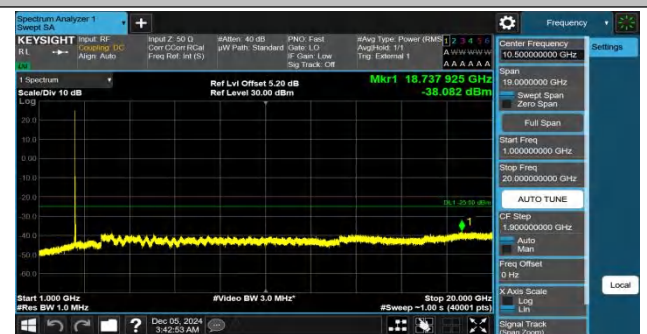
Band41-20MHz-QPSK-39750-1RB#0-0.009~0.15-PASS



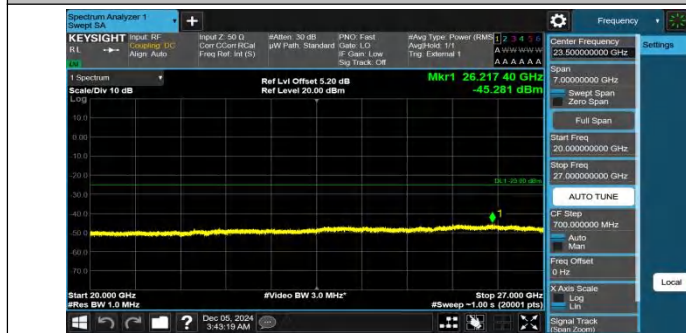
Band41-20MHz-QPSK-39750-1RB#0-0.15~30-PASS



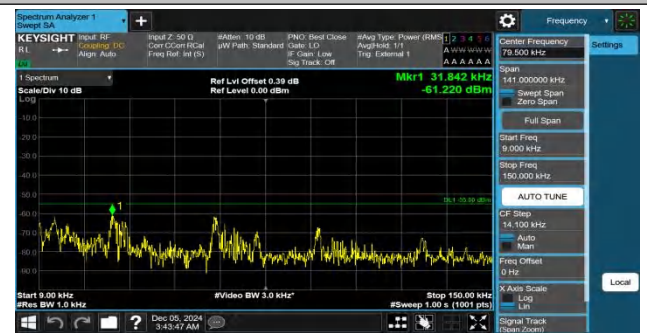
Band41-20MHz-QPSK-39750-1RB#0-30~1000-PASS



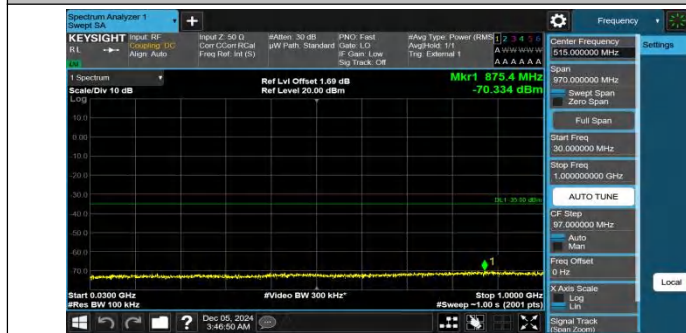
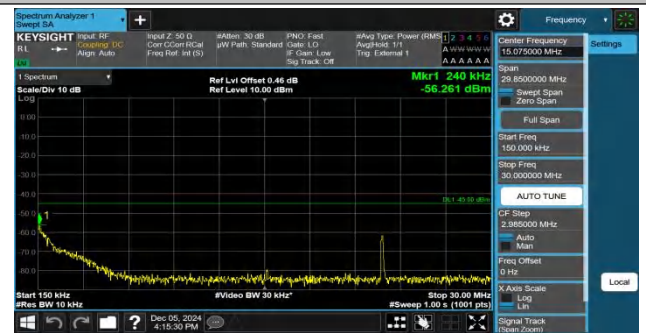
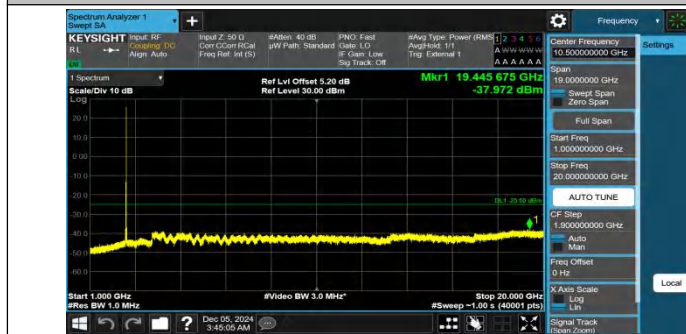
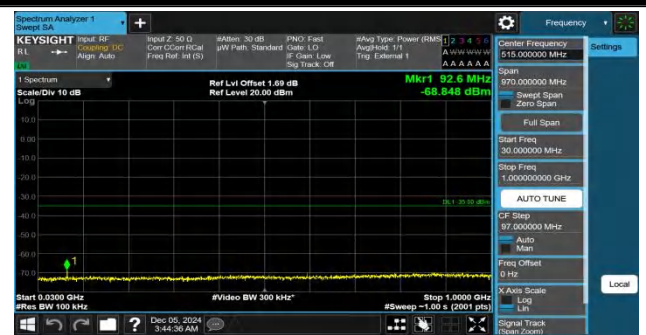
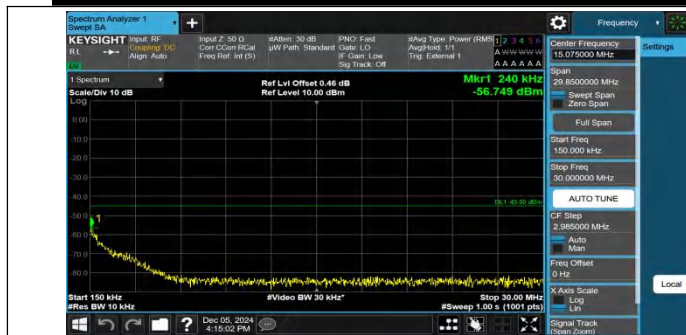
Band41-20MHz-QPSK-39750-1RB#0-1000~20000-PASS

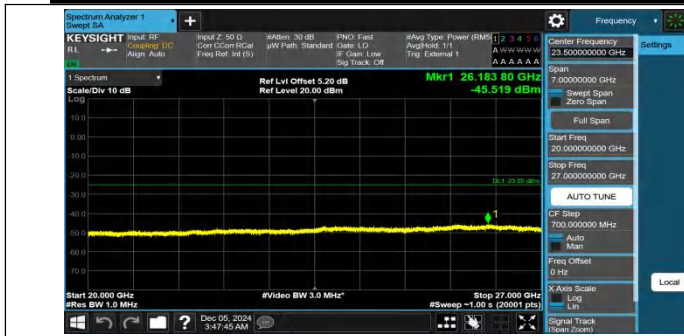


Band41-20MHz-QPSK-39750-1RB#0-20000~27000-PASS



Band41-20MHz-QPSK-39750-1RB#99-0.009~0.15-PASS





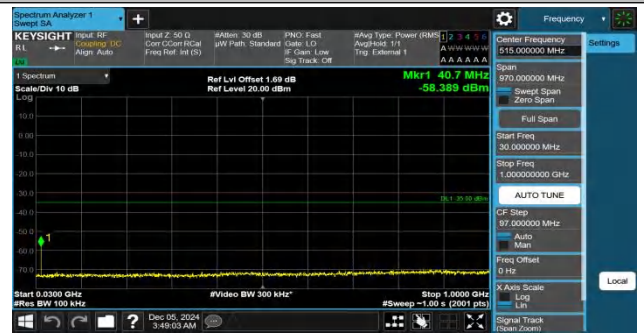
Band41-20MHz-QPSK-40620-1RB#0-20000~27000-PASS



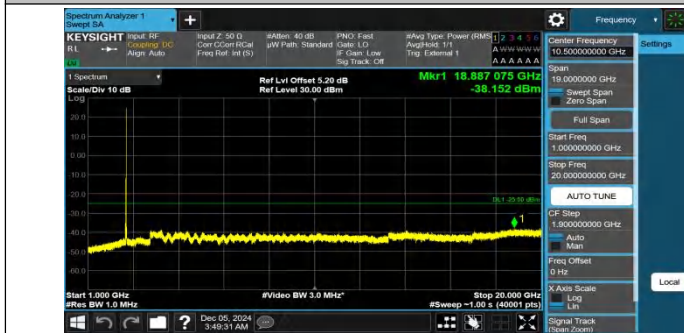
Band41-20MHz-QPSK-40620-1RB#99-0.009~0.15-PASS



Band41-20MHz-QPSK-40620-1RB#99-0.15~30-PASS



Band41-20MHz-QPSK-40620-1RB#99-30~1000-PASS



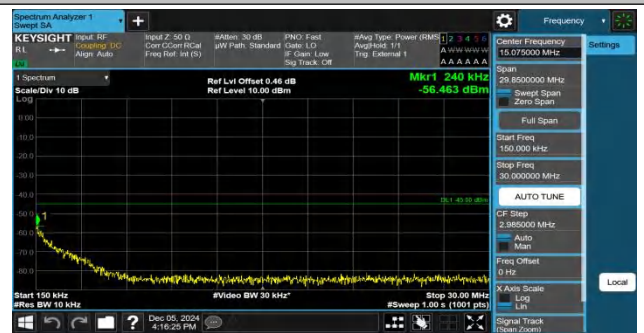
Band41-20MHz-QPSK-40620-1RB#99-1000~20000-PASS



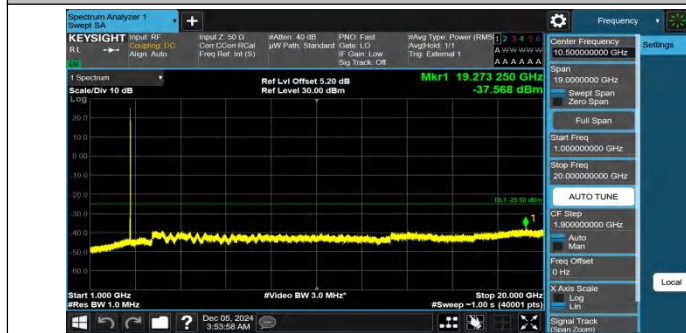
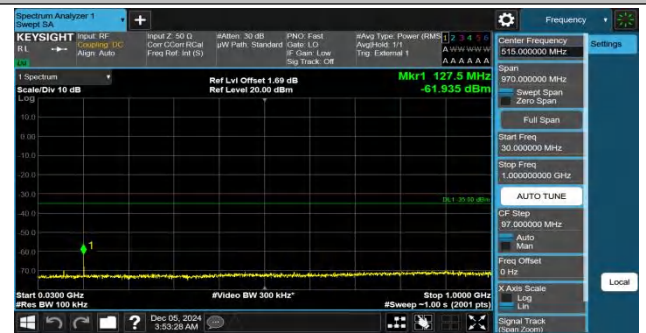
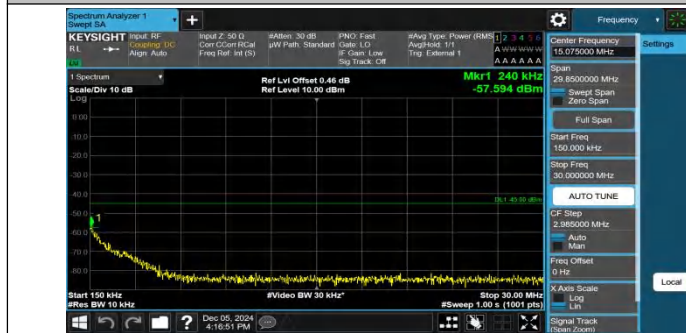
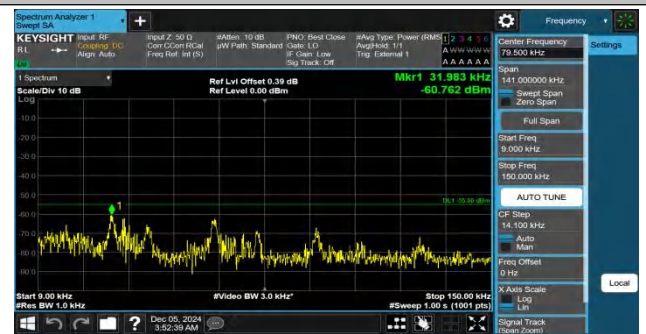
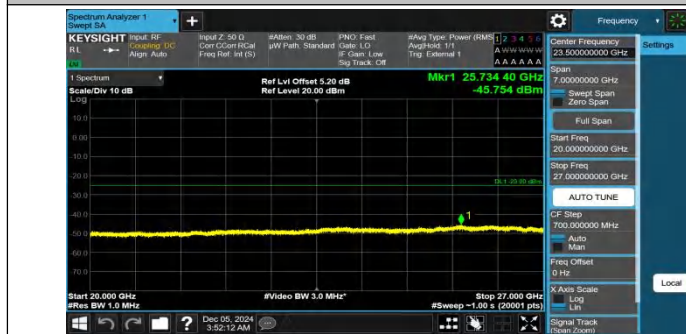
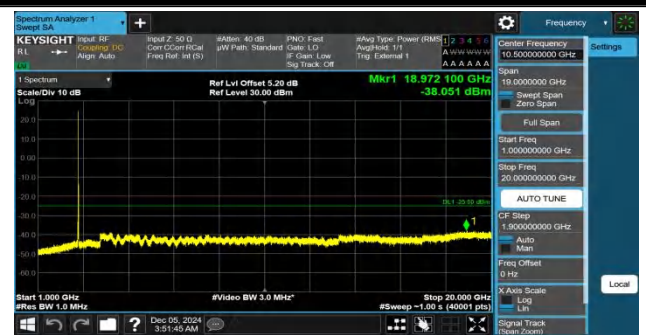
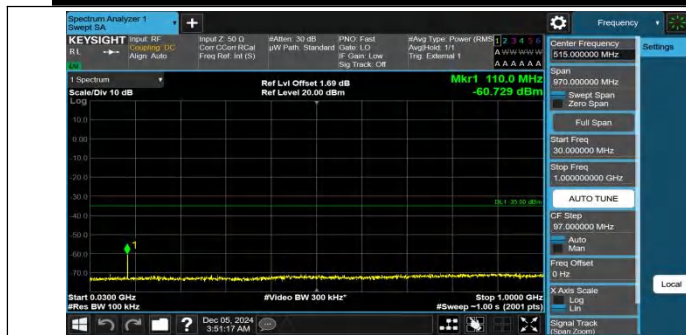
Band41-20MHz-QPSK-40620-1RB#99-20000~27000-PASS



Band41-20MHz-QPSK-41490-1RB#0-0.009~0.15-PASS



Band41-20MHz-QPSK-41490-1RB#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 41	20MHz	QPSK	40620	100RB#0	VN	NT	-12900.00	-4.974933	±NA	2584.0906	2601.8836	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	VL	NT	-12790.00	-4.932511	±NA	2584.09071	2601.88371	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	VH	NT	-12870.00	-4.963363	±NA	2584.09063	2601.88363	2496-2690	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 41	20MHz	QPSK	40620	100RB#0	NV	-30	-12800.00	-4.936367	±NA	2584.0907	2601.8837	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-20	-12820.00	-4.944080	±NA	2584.09068	2601.88368	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-10	-12760.00	-4.920941	±NA	2584.09124	2601.88324	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	0	-12680.00	-4.890089	±NA	2584.09132	2601.88332	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	10	-12600.00	-4.859236	±NA	2584.0914	2601.8834	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	20	-12710.00	-4.901658	±NA	2584.09129	2601.88329	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	30	-12660.00	-4.882376	±NA	2584.09134	2601.88334	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	40	-12630.00	-4.870806	±NA	2584.09137	2601.88337	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	50	-12520.00	-4.828384	±NA	2584.09148	2601.88348	2496-2690	PASS

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