

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	22.97	3	25.97	33.01	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.22	3	25.22	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.02	3	26.02	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.04	3	26.04	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.88	3	25.88	33.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.08	3	25.08	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.95	3	25.95	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.96	3	25.96	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.73	3	25.73	33.01	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.93	3	24.93	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.85	3	25.85	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.9	3	25.9	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.38	3	25.38	33.01	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.2	3	24.2	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.17	3	25.17	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.35	3	25.35	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.23	3	25.23	33.01	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.09	3	24.09	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.31	3	25.31	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.23	3	25.23	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.35	3	25.35	33.01	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.04	3	24.04	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.29	3	25.29	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.29	3	25.29	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.04	3	26.04	33.01	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.08	3	25.08	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.09	3	26.09	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.14	3	26.14	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.99	3	25.99	33.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.04	3	25.04	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.99	3	25.99	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.98	3	25.98	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.92	3	25.92	33.01	PASS

Band41	10MHz	QPSK	41540	50RB#0	21.88	3	24.88	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.09	3	26.09	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.03	3	26.03	33.01	PASS
Band41	10MHz	16QAM	39700	27RB#0	21.25	3	24.25	33.01	PASS
Band41	10MHz	16QAM	40620	27RB#0	21.2	3	24.2	33.01	PASS
Band41	10MHz	16QAM	41540	27RB#0	21.03	3	24.03	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.26	3	25.26	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.76	3	25.76	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.37	3	25.37	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.08	3	25.08	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.88	3	24.88	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.77	3	24.77	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.65	3	25.65	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.58	3	25.58	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.62	3	25.62	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.86	3	25.86	33.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.16	3	25.16	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.91	3	25.91	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.01	3	26.01	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.14	3	26.14	33.01	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.13	3	25.13	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.01	3	26.01	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.06	3	26.06	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.86	3	25.86	33.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.84	3	24.84	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.93	3	25.93	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.03	3	26.03	33.01	PASS
Band41	15MHz	16QAM	39725	27RB#0	20.94	3	23.94	33.01	PASS
Band41	15MHz	16QAM	40620	27RB#0	21.11	3	24.11	33.01	PASS
Band41	15MHz	16QAM	41515	27RB#0	20.93	3	23.93	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.28	3	25.28	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.17	3	25.17	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.13	3	25.13	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.02	3	25.02	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.89	3	24.89	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.85	3	24.85	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.54	3	25.54	33.01	PASS

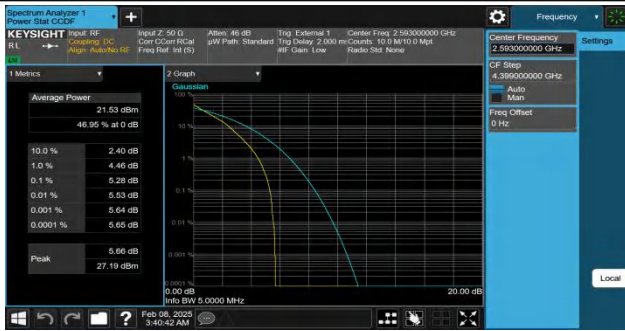
Band41	15MHz	16QAM	41515	1RB#38	22.44	3	25.44	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.54	3	25.54	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.82	3	25.82	33.01	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.11	3	25.11	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.05	3	26.05	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.96	3	25.96	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.03	3	26.03	33.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.07	3	25.07	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.23	3	26.23	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.91	3	25.91	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.78	3	25.78	33.01	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.8	3	24.8	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.8	3	25.8	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.69	3	25.69	33.01	PASS
Band41	20MHz	16QAM	39750	27RB#0	20.97	3	23.97	33.01	PASS
Band41	20MHz	16QAM	40620	27RB#0	21.13	3	24.13	33.01	PASS
Band41	20MHz	16QAM	41490	27RB#0	20.88	3	23.88	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.3	3	25.3	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.53	3	25.53	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.37	3	25.37	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.34	3	25.34	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.02	3	25.02	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.13	3	25.13	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.49	3	24.49	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.71	3	24.71	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.58	3	24.58	33.01	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	5.28	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.10	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.24	13	PASS
Band41	10MHz	16QAM	40620	27RB#0	5.92	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.40	13	PASS
Band41	15MHz	16QAM	40620	27RB#0	5.84	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.14	13	PASS
Band41	20MHz	16QAM	40620	27RB#0	5.80	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-40620-27RB#0-PASS



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



Band41-15MHz-16QAM-40620-27RB#0-PASS



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



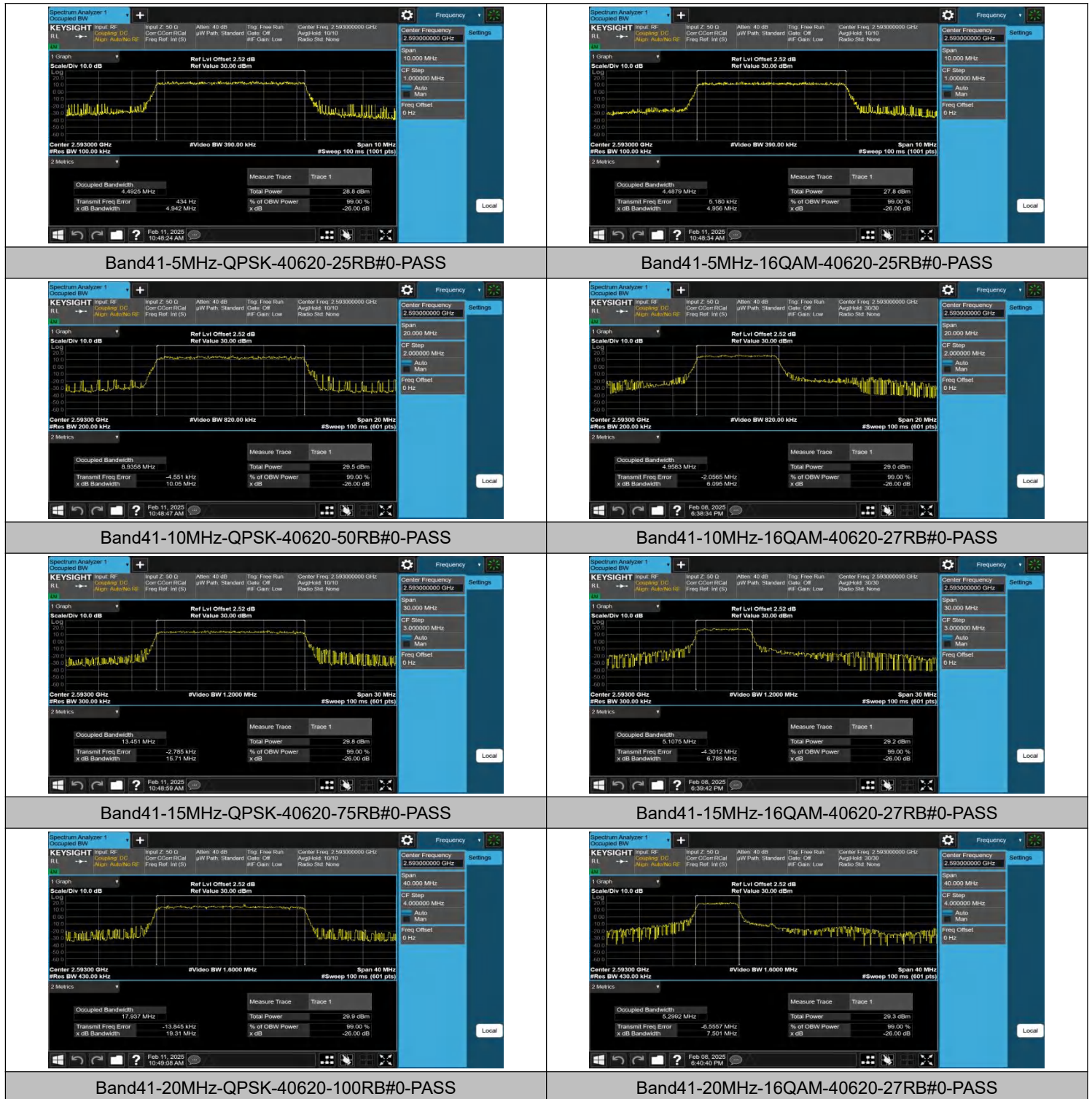
Band41-20MHz-16QAM-40620-27RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

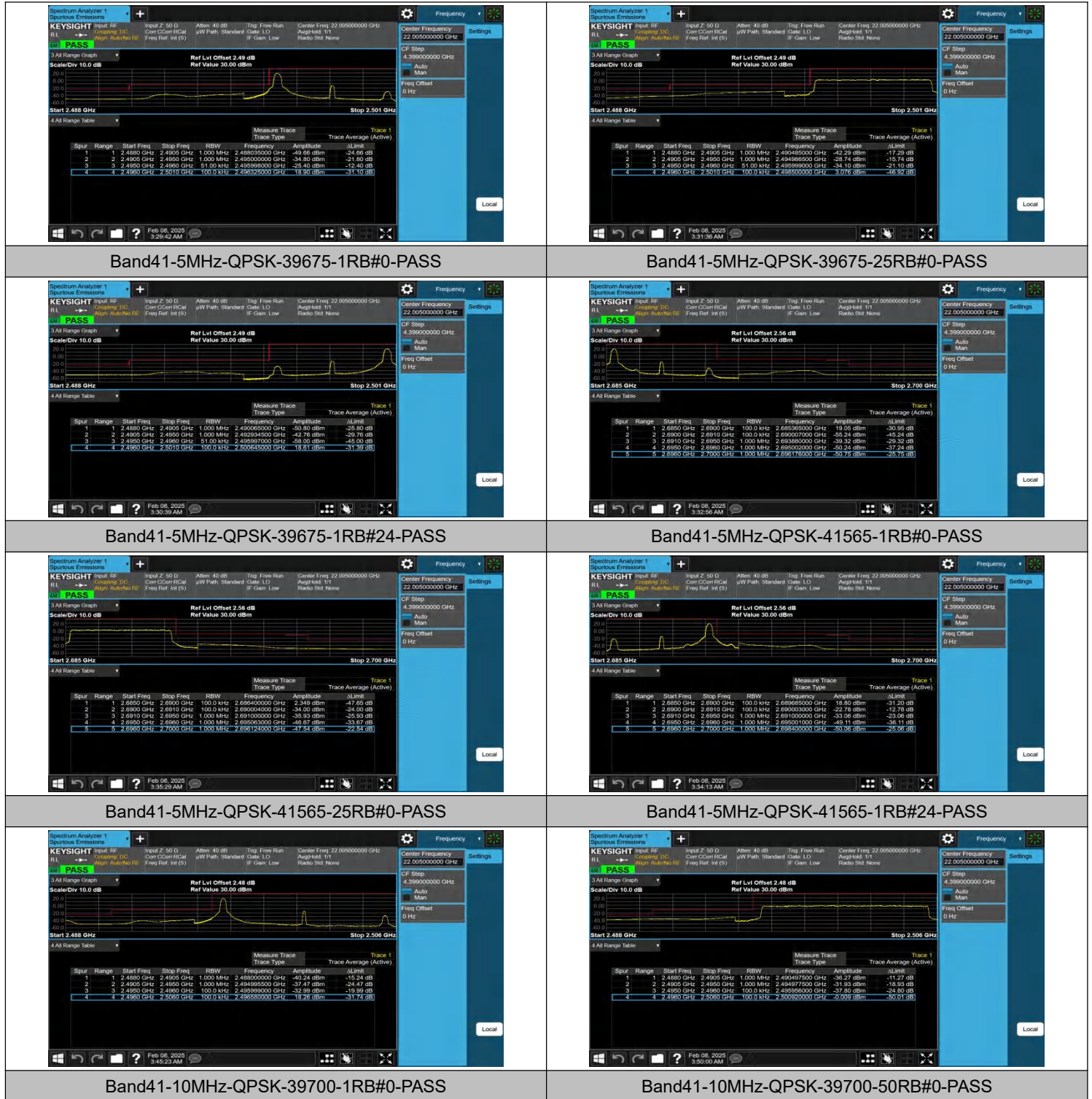
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.4925	4.942	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4879	4.956	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9358	10.05	PASS
Band41	10MHz	16QAM	40620	27RB#0	4.9583	6.095	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.451	15.71	PASS
Band41	15MHz	16QAM	40620	27RB#0	5.1075	6.788	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.937	19.31	PASS
Band41	20MHz	16QAM	40620	27RB#0	5.2992	7.501	PASS

Test Graphs



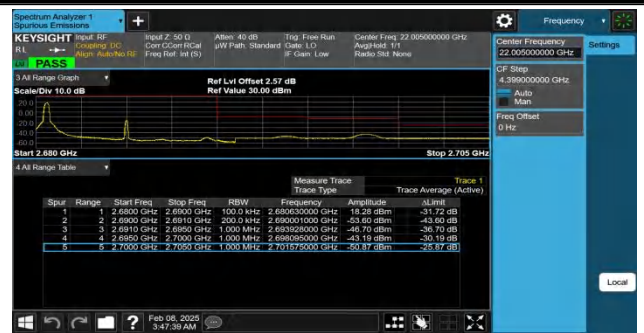
Band Edge

Test Graphs





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



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



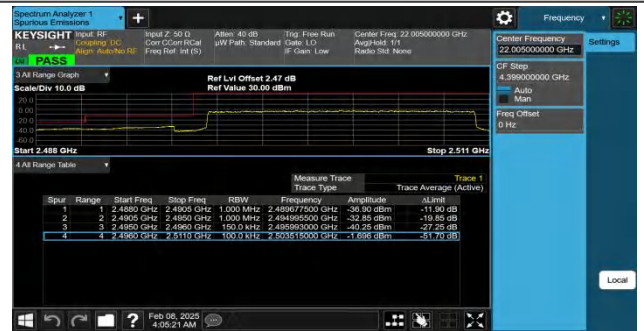
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Band41-10MHz-QPSK-41540-1RB#49-PASS



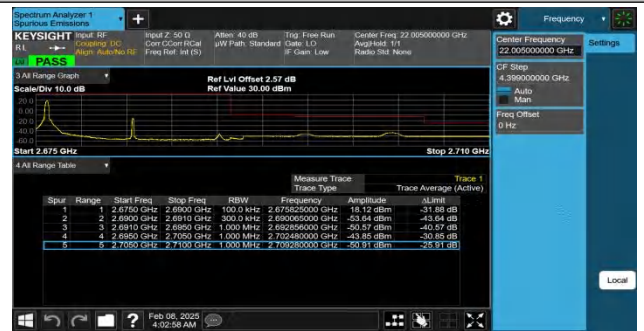
Band41-15MHz-QPSK-39725-1RB#0-PASS



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



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



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



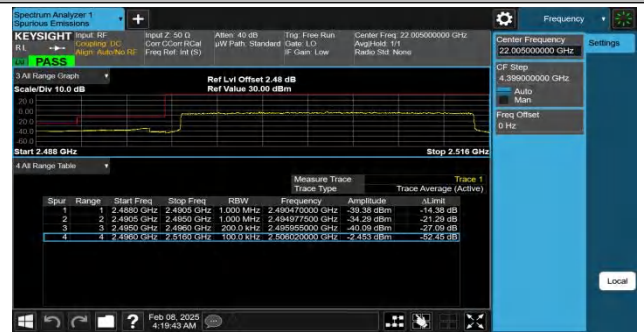
Band41-15MHz-QPSK-41515-75RB#0-PASS



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



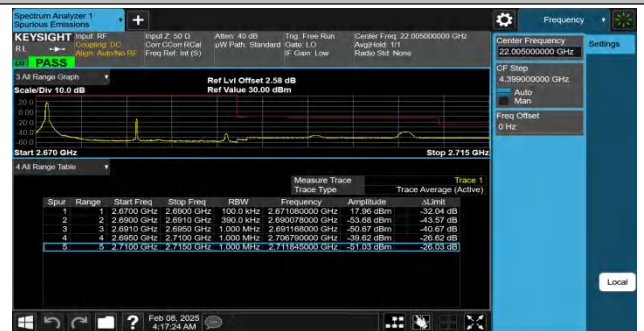
Band41-15MHz-QPSK-39750-1RB#0-PASS



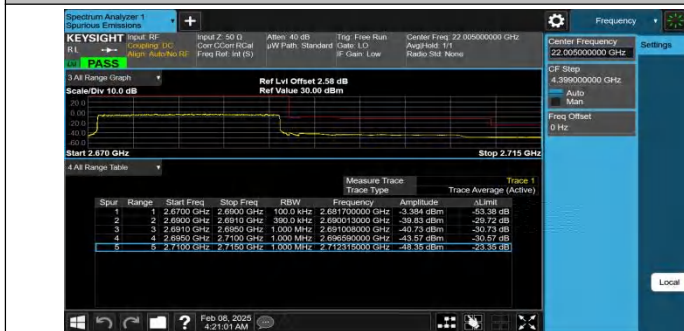
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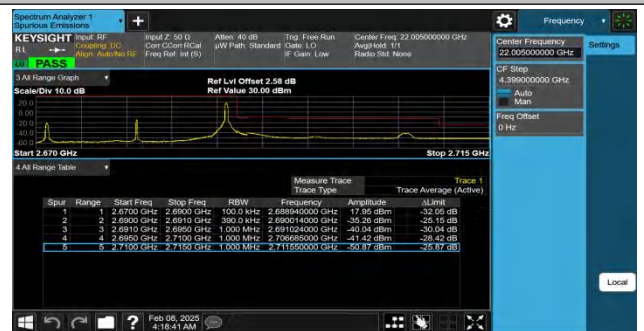
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Band41-20MHz-QPSK-41490-1RB#0-PASS



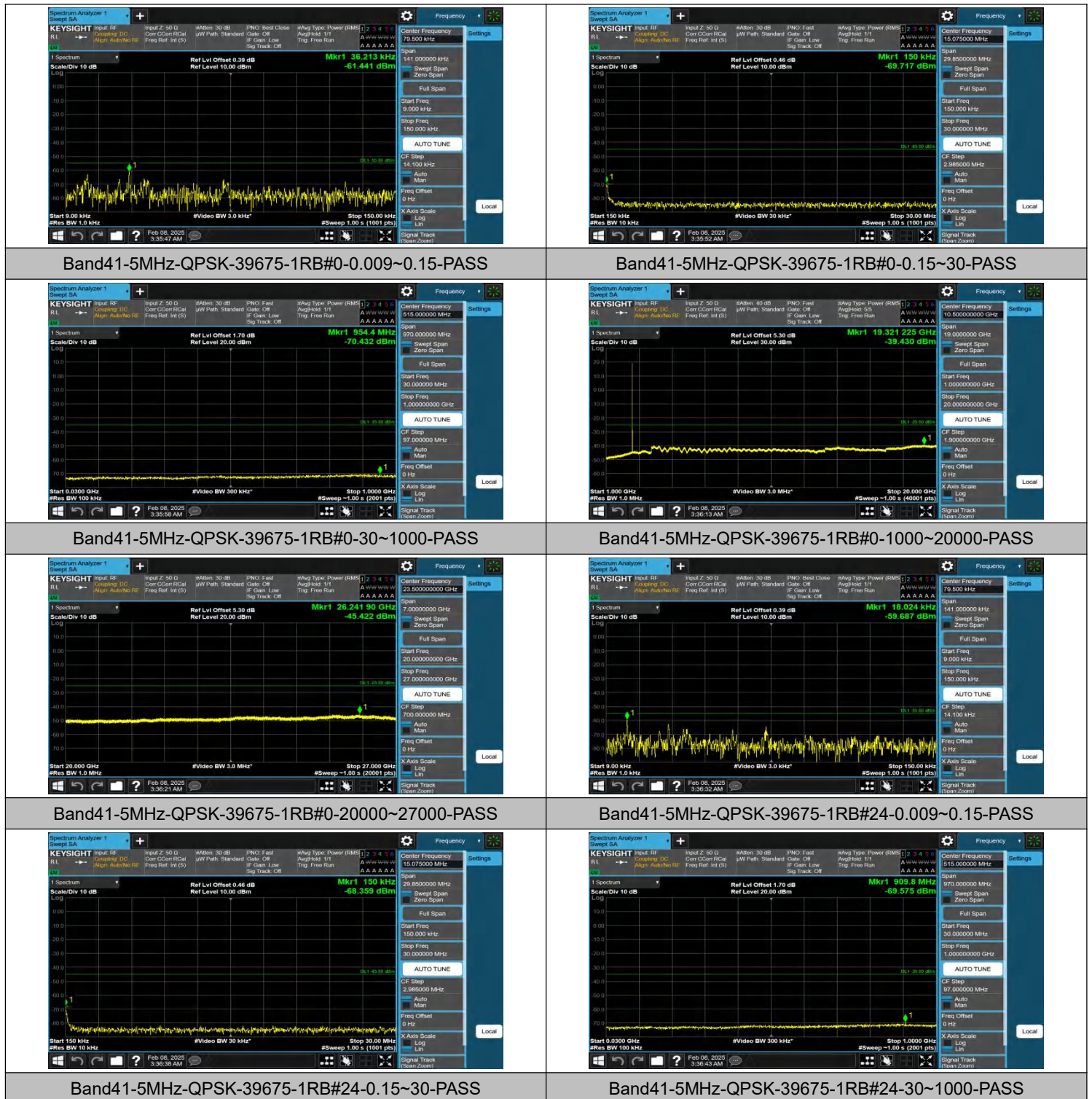
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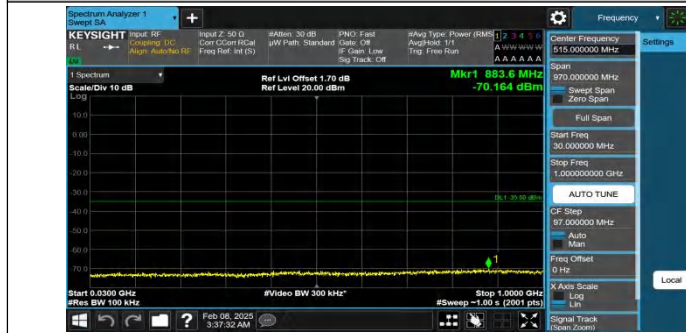
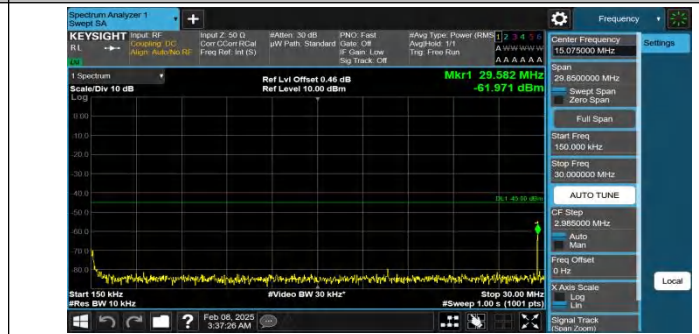
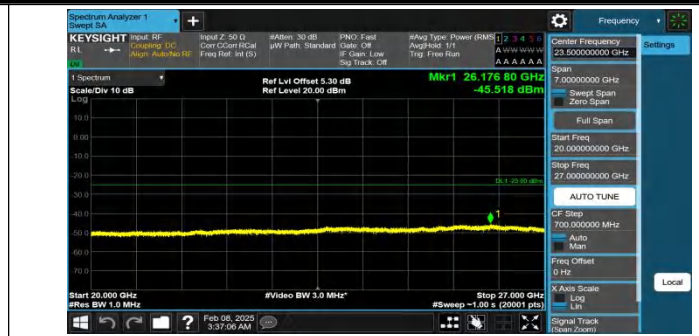


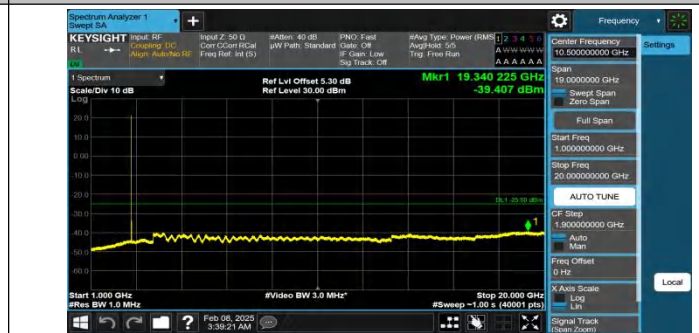
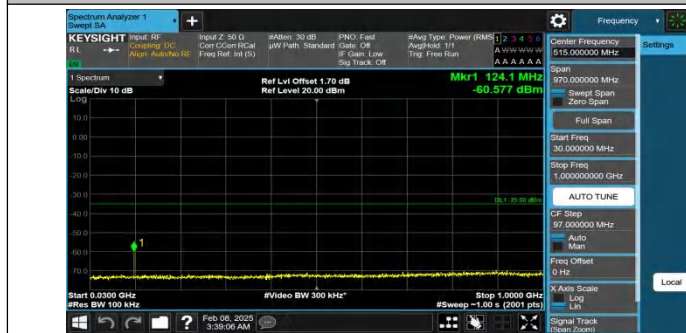
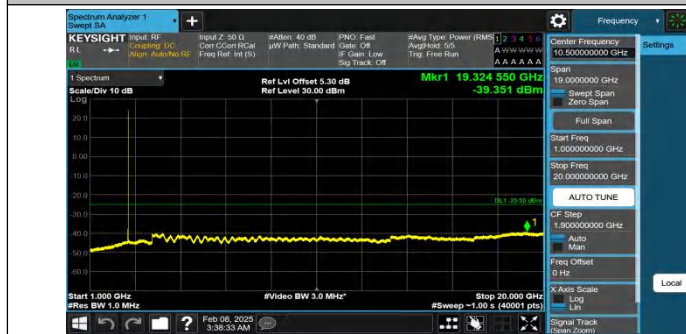
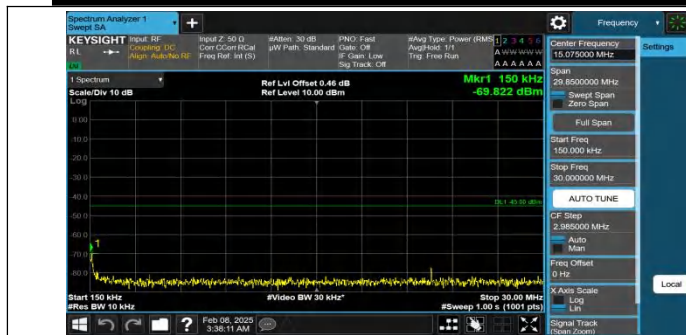
Band41-20MHz-QPSK-41490-1RB#99-PASS

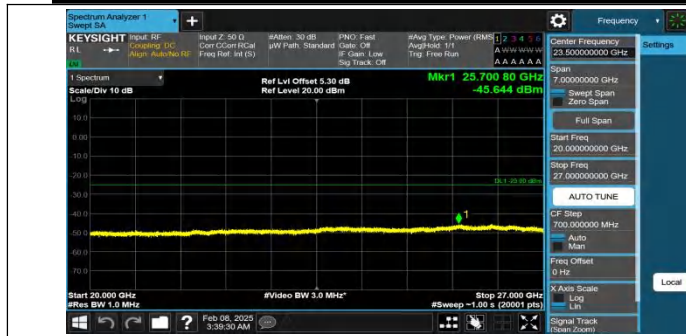
Conducted Spurious Emission

Test Graphs

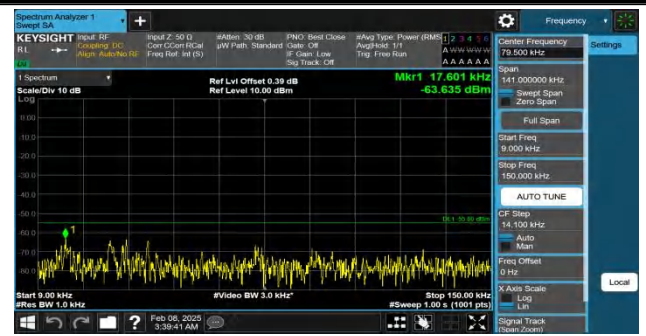




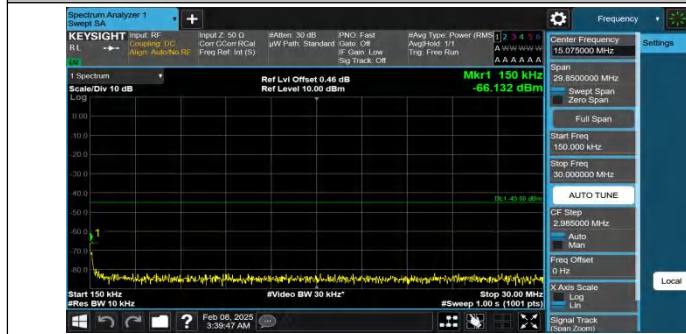




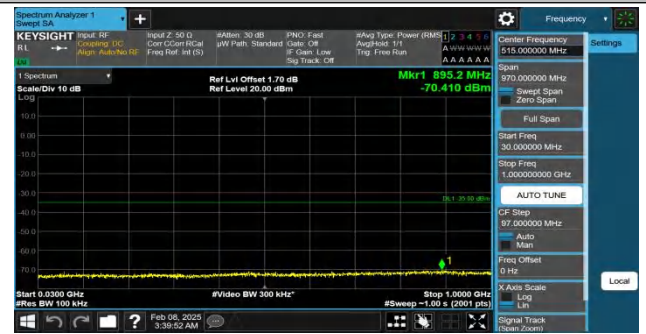
Band41-5MHz-QPSK-41565-1RB#0-20000~27000-PASS



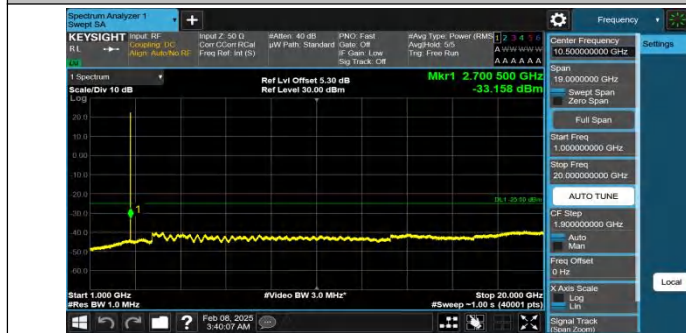
Band41-5MHz-QPSK-41565-1RB#24-0.009~0.15-PASS



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



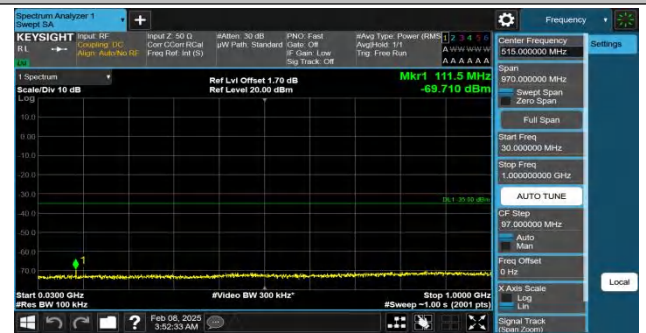
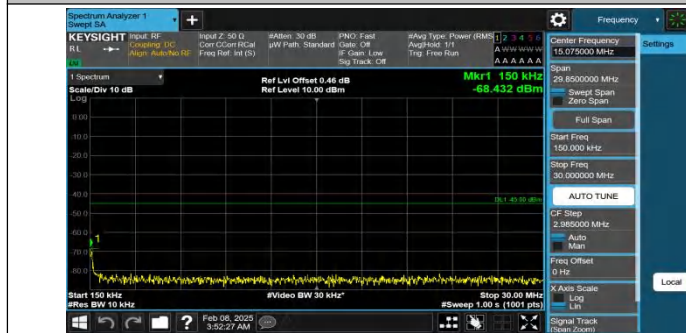
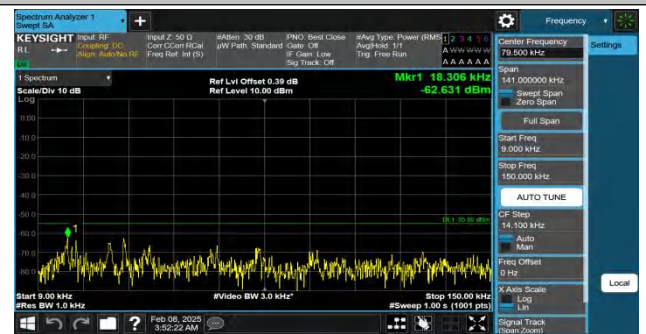
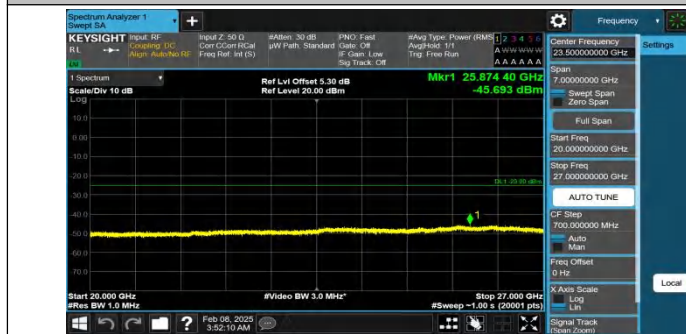
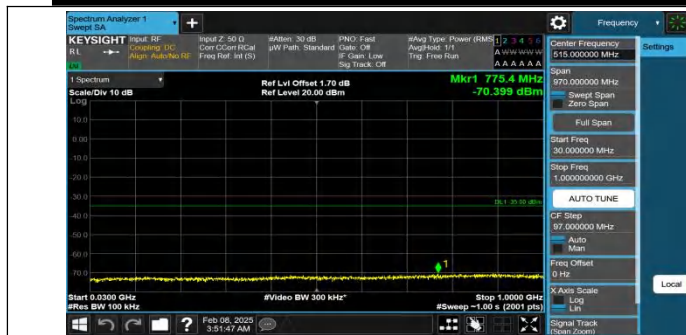
Band41-5MHz-QPSK-41565-1RB#24-20000~27000-PASS

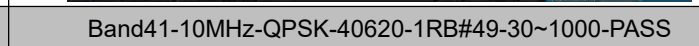
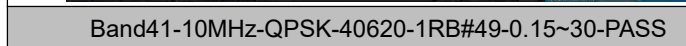
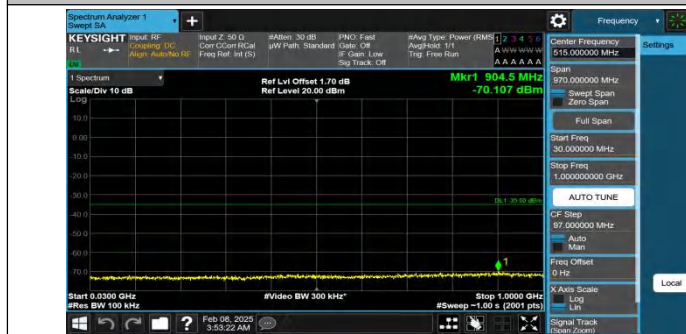


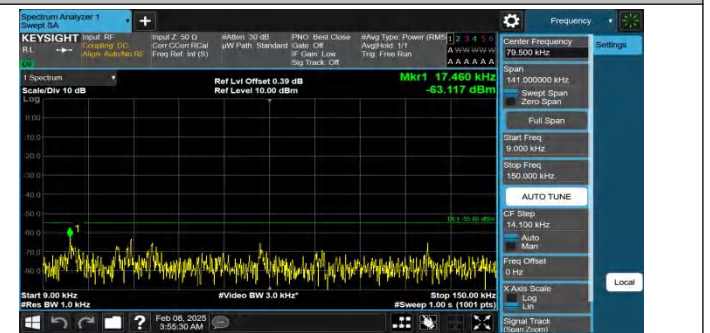
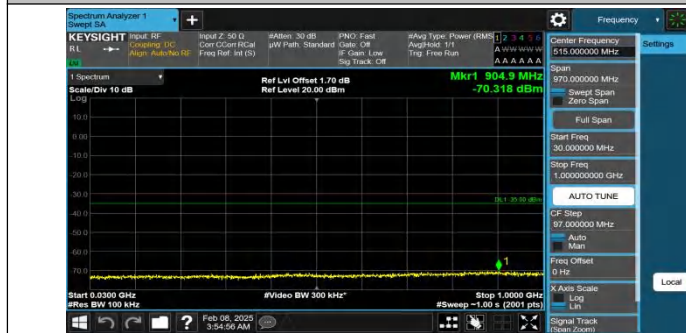
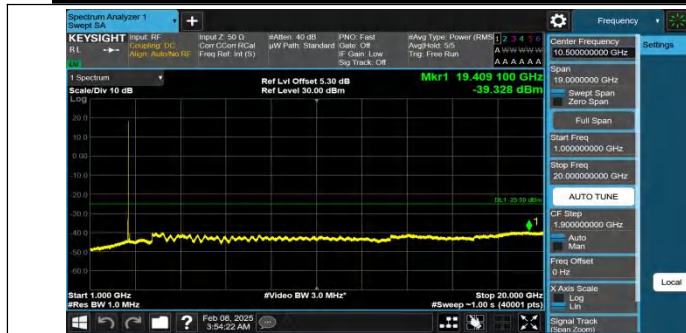
Band41-10MHz-QPSK-39700-1RB#0-0.009~0.15-PASS

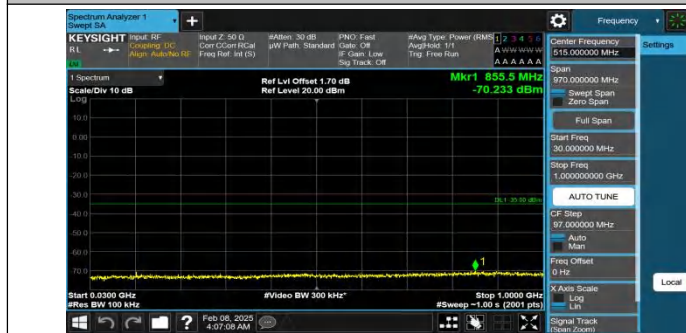
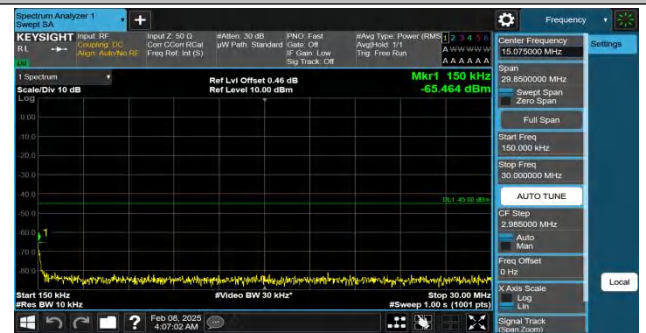
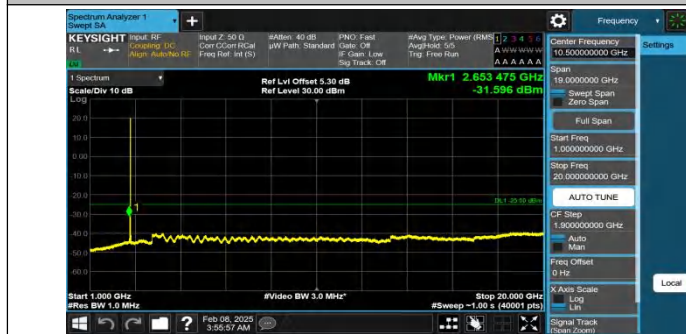
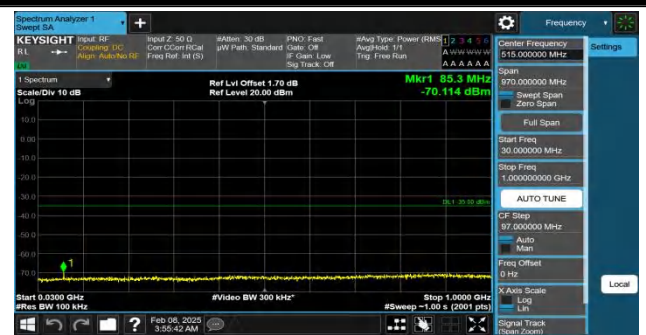
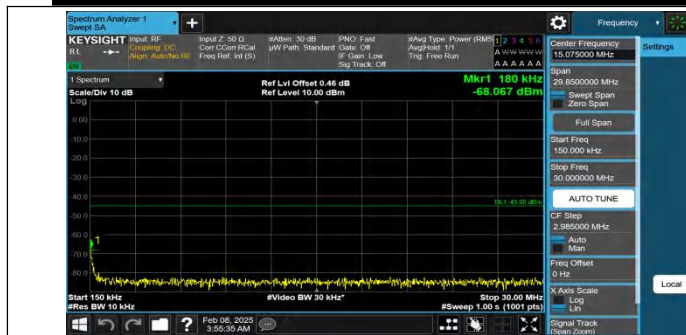


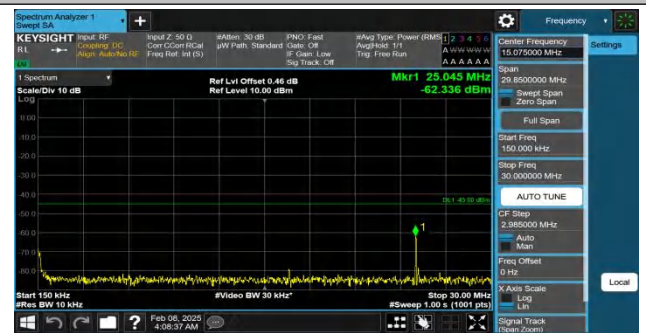
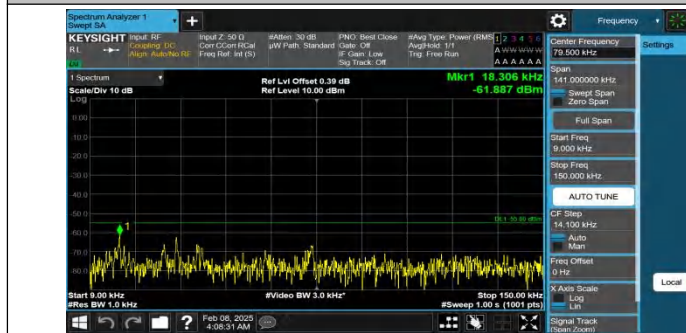
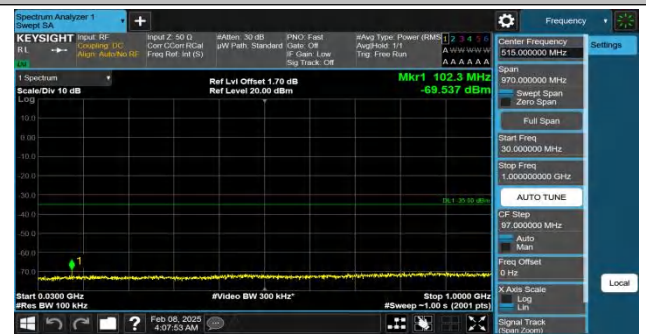
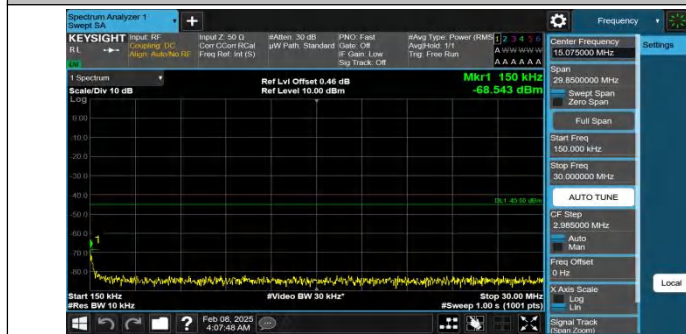
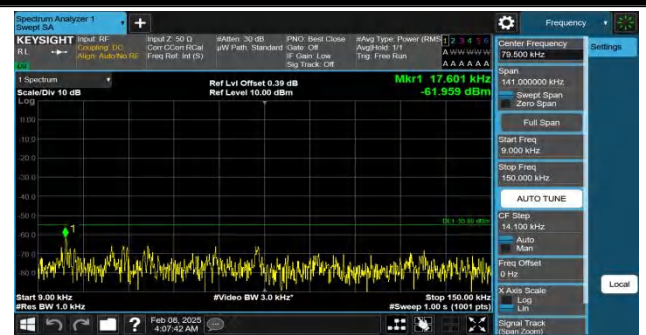
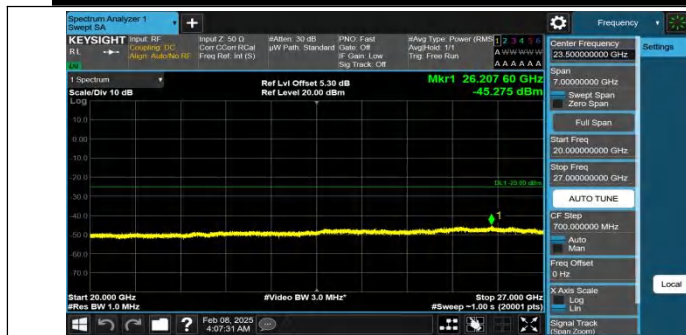
Band41-10MHz-QPSK-39700-1RB#0-0.15~30-PASS

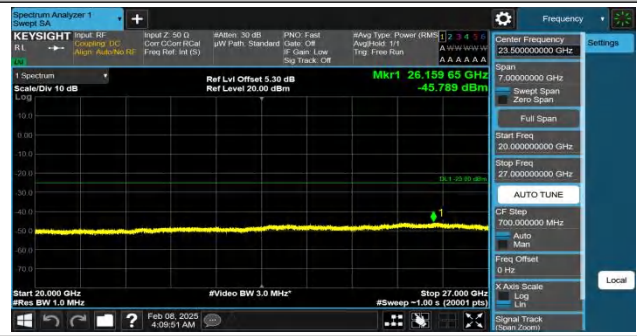
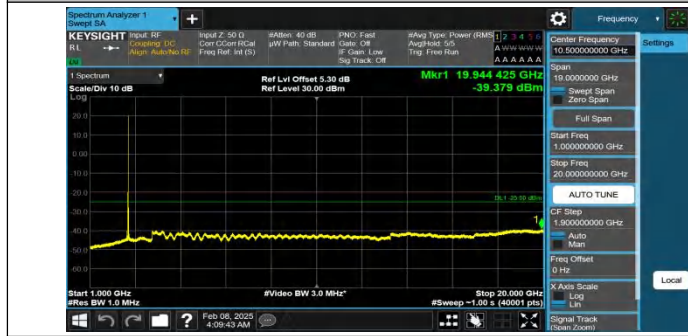
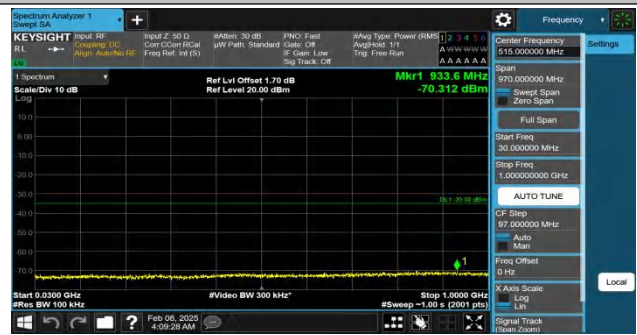
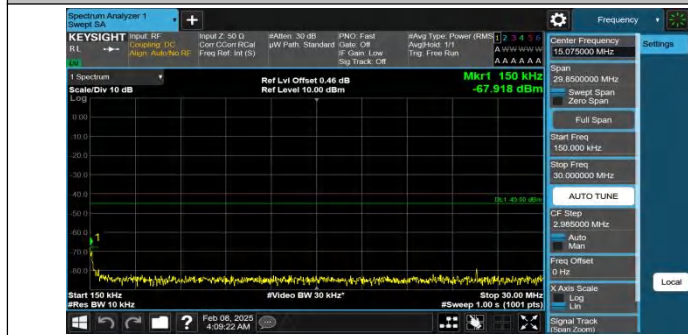
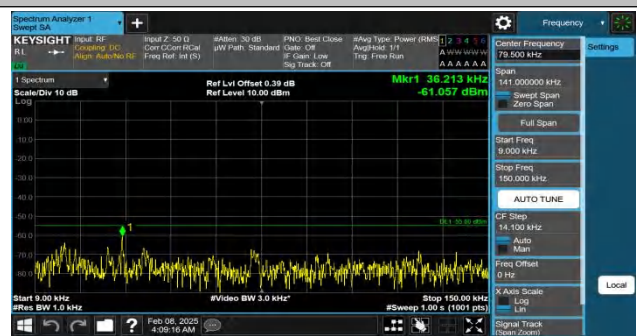


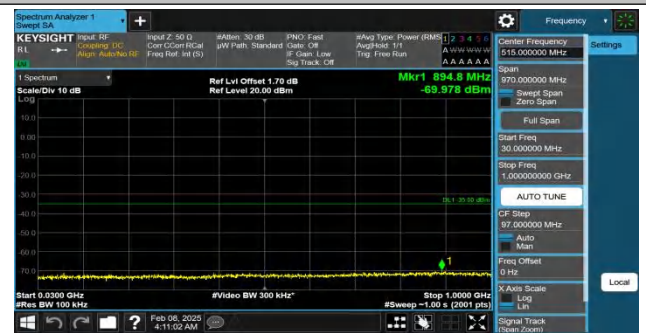
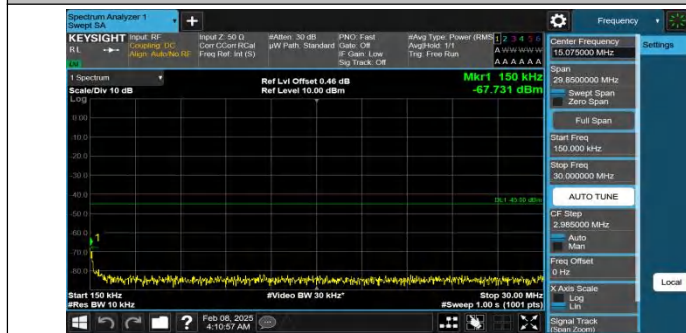
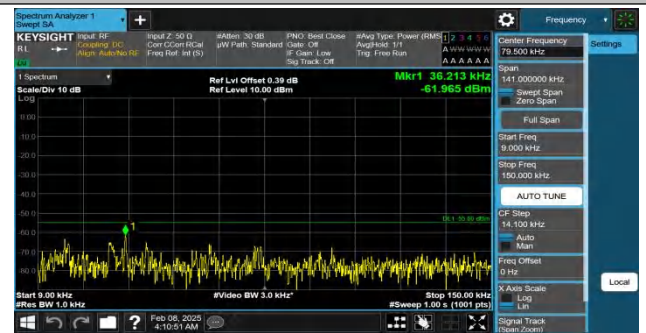
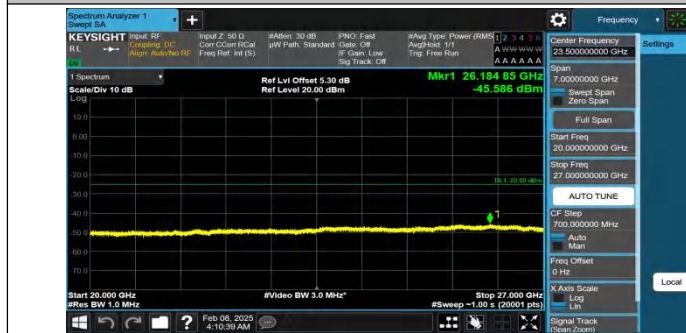
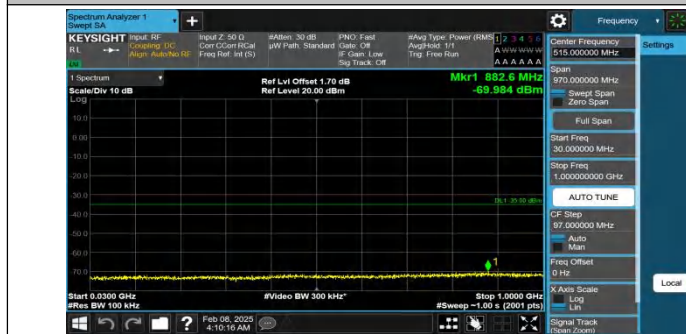
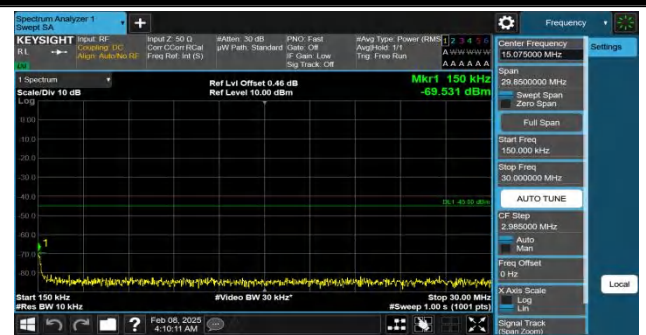
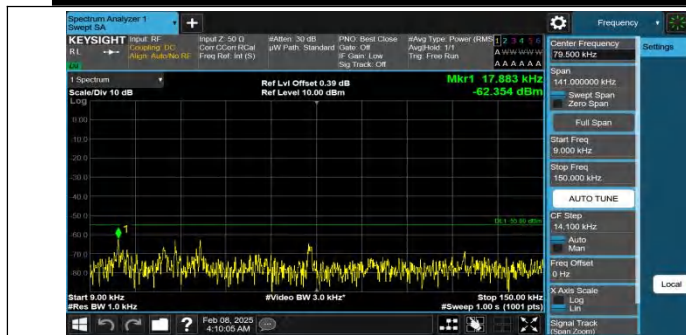


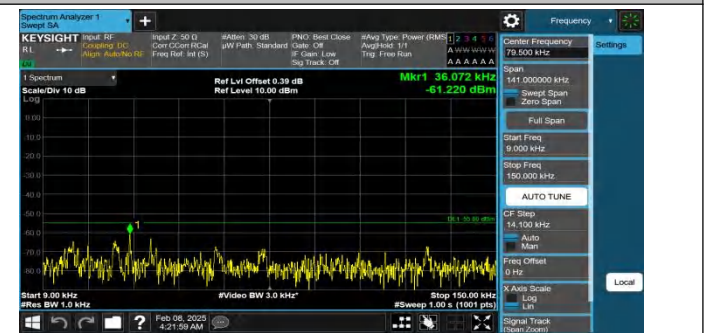
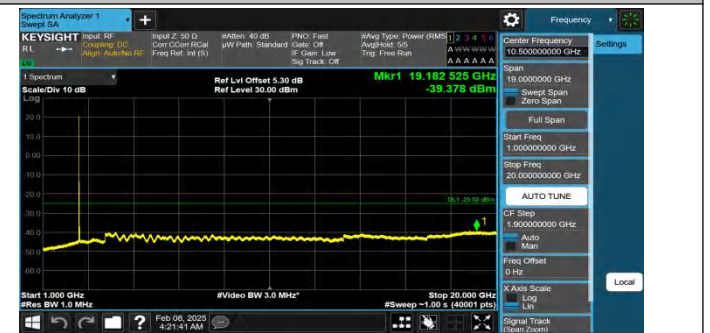
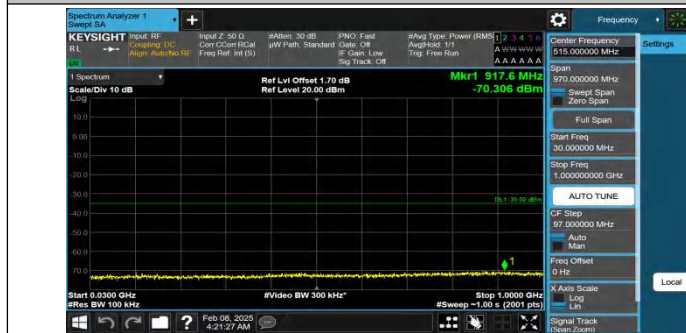
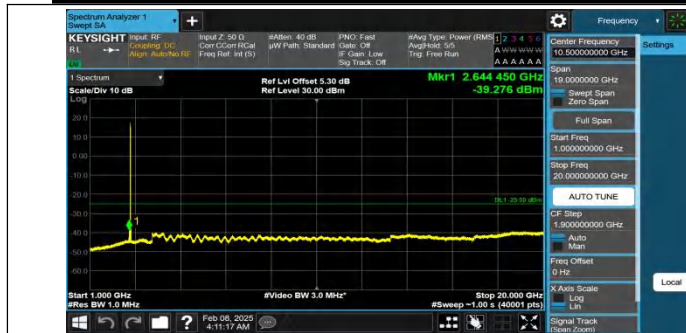






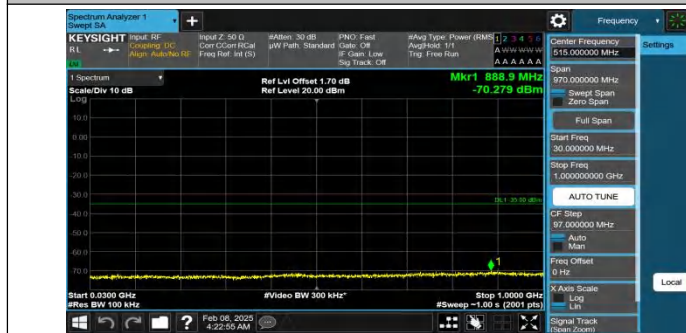
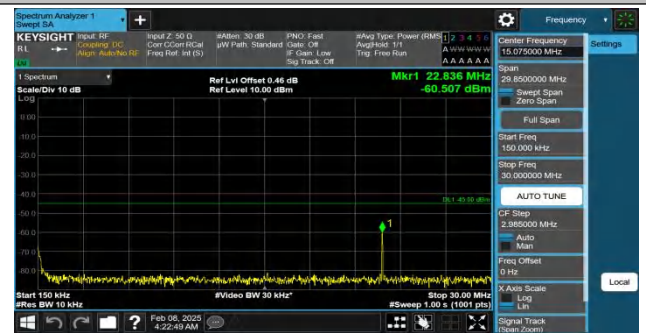
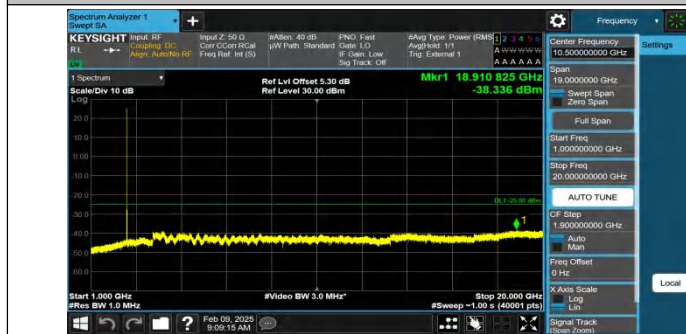
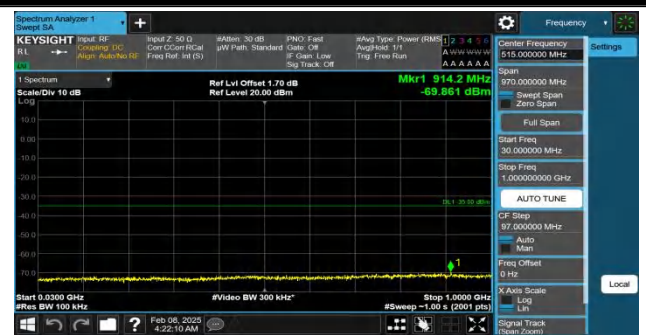






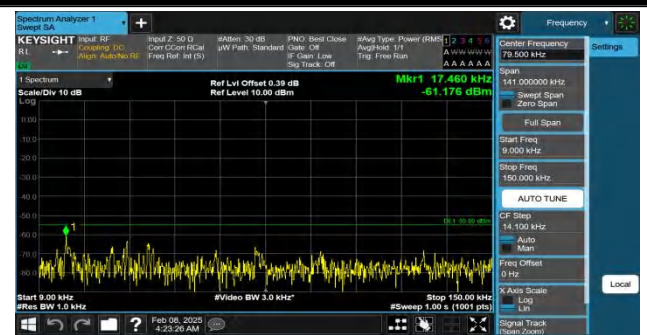
Band 41-20MHz-QPSK-39750-1RB#0-20000~27000-PASS

Band 41-20MHz-QPSK-39750-1RB#99-0.009~0.15-PASS

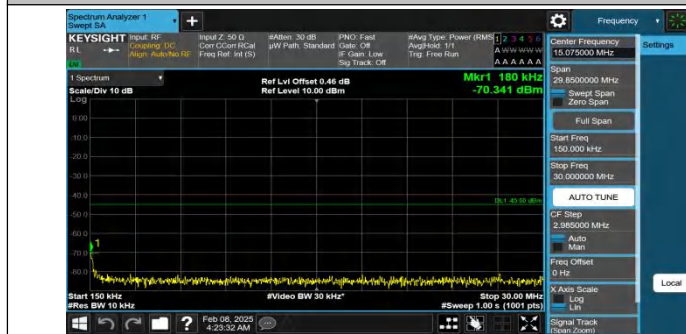




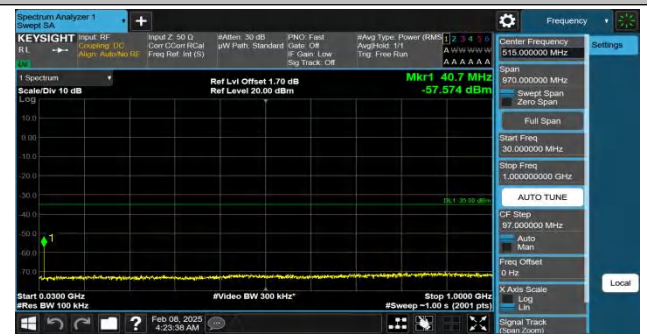
Band41-20MHz-QPSK-40620-1RB#0-20000~27000-PASS



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



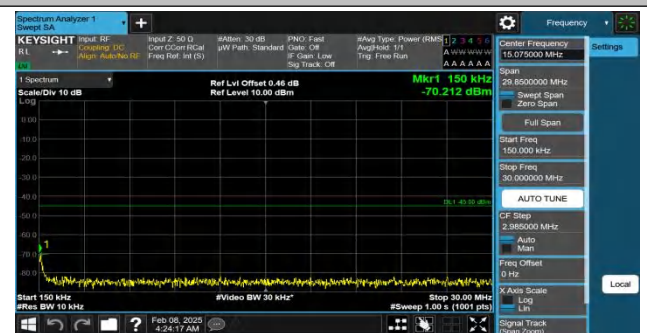
Band41-20MHz-QPSK-40620-1RB#99-1000~20000-PASS



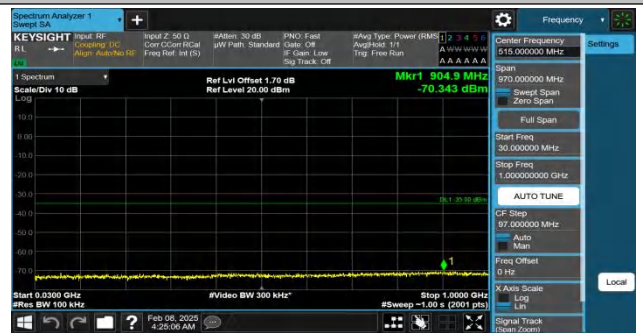
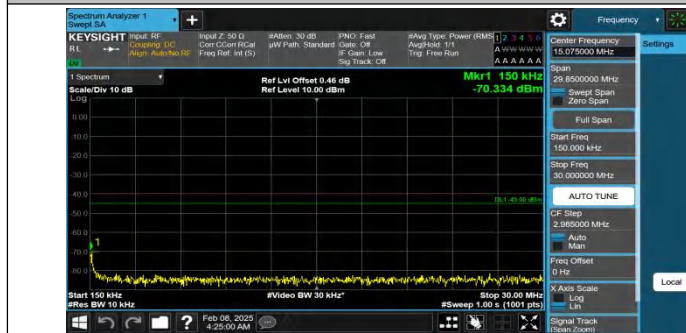
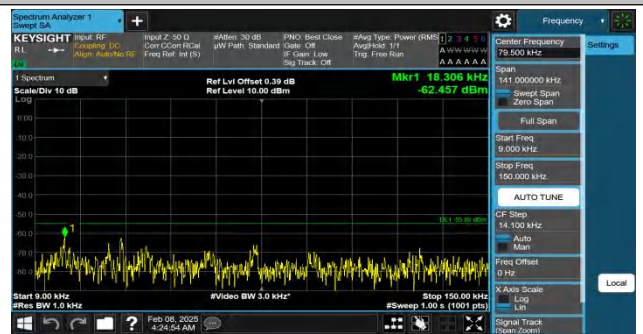
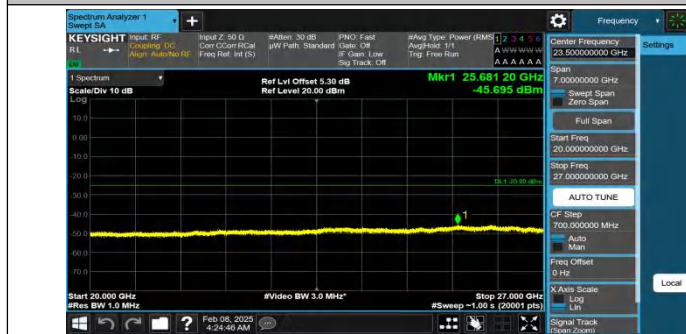
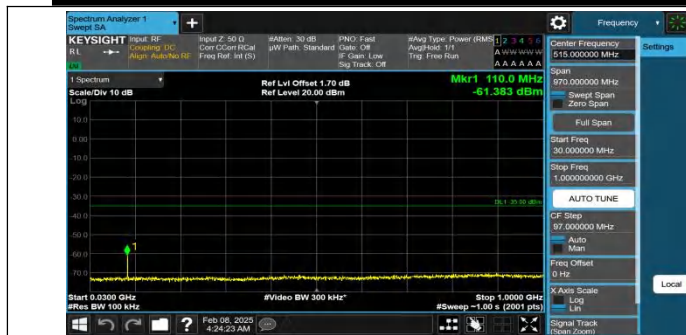
Band41-20MHz-QPSK-40620-1RB#99-20000~27000-PASS



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	4040.00	1.558041	±NA	2584.09404	2601.91404	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	VL	NT	2950.00	1.137678	±NA	2584.09045	2601.91545	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	VH	NT	18190.00	7.015040	±NA	2584.11119	2601.92519	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	5380.00	2.074817	±NA	2584.09638	2601.91438	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-20	-4260.00	-1.642885	±NA	2584.08824	2601.90324	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-10	6710.00	2.587736	±NA	2584.10321	2601.91021	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	0	6950.00	2.680293	±NA	2584.09895	2601.91495	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	10	630.00	0.242962	±NA	2584.08963	2601.91163	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	20	4820.00	1.858851	±NA	2584.09182	2601.91782	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	30	7660.00	2.954107	±NA	2584.10016	2601.91516	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	40	6210.00	2.394909	±NA	2584.09221	2601.92021	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	50	2380.00	0.917856	±NA	2584.09388	2601.91088	2496-2690	PASS

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