

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	22.99	3	25.99	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.99	3	24.99	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.89	3	25.89	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.94	3	25.94	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.03	3	26.03	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.18	3	25.18	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.12	3	26.12	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.96	3	25.96	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.9	3	25.9	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.04	3	25.04	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.89	3	25.89	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.98	3	25.98	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.9	3	24.9	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.97	3	23.97	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.9	3	24.9	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.89	3	24.89	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.46	3	25.46	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.16	3	24.16	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.56	3	25.56	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.42	3	25.42	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.91	3	24.91	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.19	3	24.19	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.89	3	24.89	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.82	3	24.82	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.86	3	25.86	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.01	3	25.01	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.93	3	25.93	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.99	3	25.99	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.12	3	26.12	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.23	3	25.23	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.09	3	26.09	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.03	3	26.03	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.12	3	26.12	33	PASS

Band41	10MHz	QPSK	41540	50RB#0	22.02	3	25.02	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.14	3	26.14	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.14	3	26.14	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.98	3	24.98	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.1	3	24.1	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.24	3	25.24	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.22	3	25.22	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.2	3	25.2	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.13	3	24.13	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.31	3	25.31	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.82	3	24.82	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.75	3	25.75	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.05	3	24.05	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.51	3	25.51	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.73	3	25.73	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.75	3	25.75	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.96	3	24.96	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.76	3	25.76	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.82	3	25.82	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.02	3	26.02	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.2	3	25.2	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.98	3	25.98	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.18	3	26.18	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.84	3	25.84	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.97	3	24.97	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	23	3	26	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.11	3	26.11	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.08	3	25.08	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.08	3	24.08	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.28	3	25.28	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.24	3	25.24	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.1	3	25.1	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.23	3	24.23	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	22	3	25	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.96	3	24.96	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.64	3	25.64	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.03	3	24.03	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.53	3	25.53	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.68	3	25.68	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.65	3	25.65	33	PASS

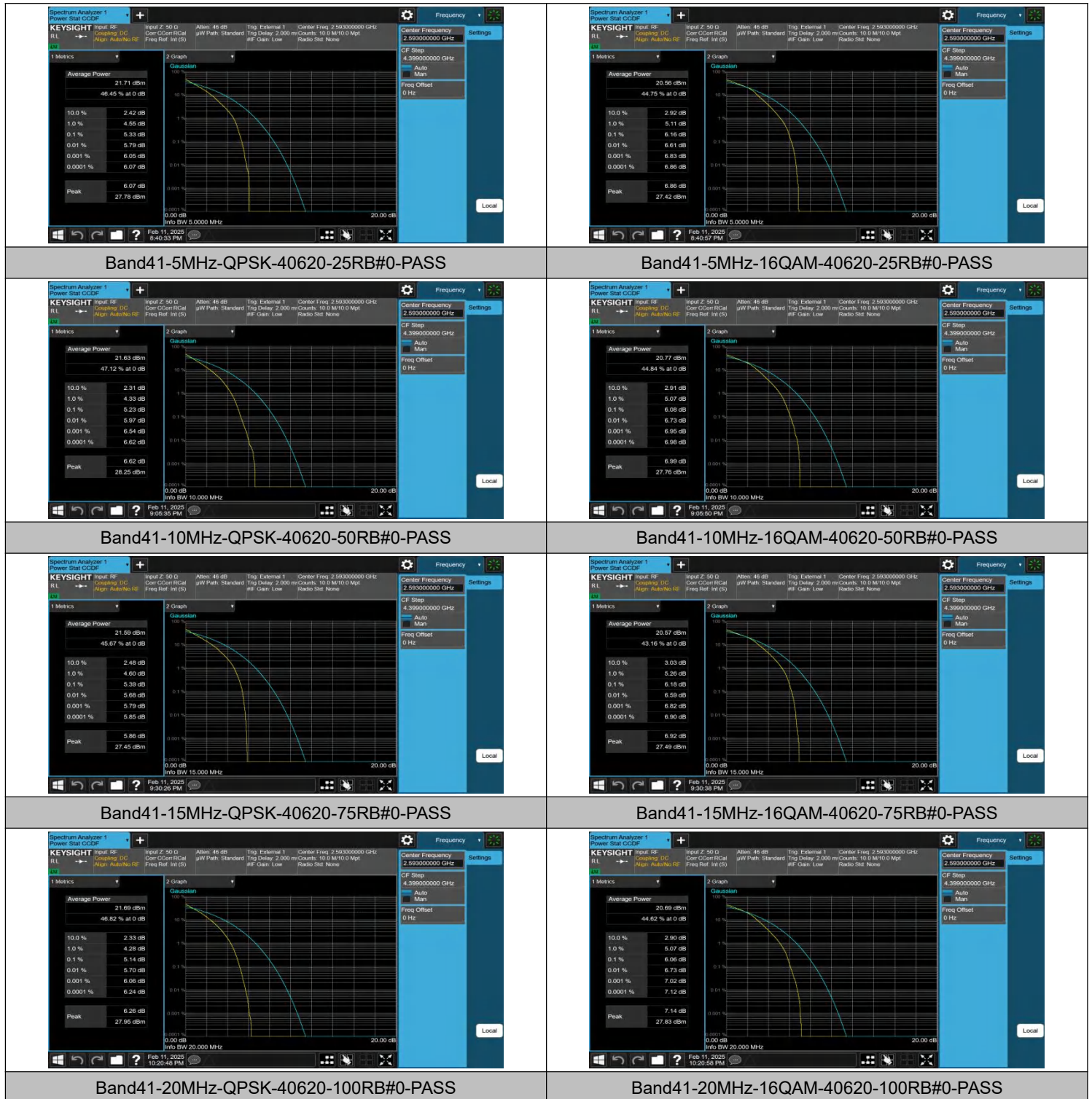
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Band41	20MHz	QPSK	39750	1RB#49	23.21	3	26.21	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.79	3	25.79	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.05	3	26.05	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.09	3	25.09	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.24	3	26.24	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.96	3	25.96	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.98	3	25.98	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.98	3	24.98	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.92	3	25.92	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.78	3	25.78	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.11	3	25.11	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.96	3	23.96	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.58	3	25.58	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.53	3	25.53	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.2	3	25.2	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.1	3	24.1	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.36	3	25.36	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.85	3	24.85	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.77	3	24.77	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.05	3	24.05	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.11	3	25.11	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.68	3	24.68	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	5.33	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.16	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.23	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.08	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.39	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.18	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.14	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.06	13	PASS

Test Graphs

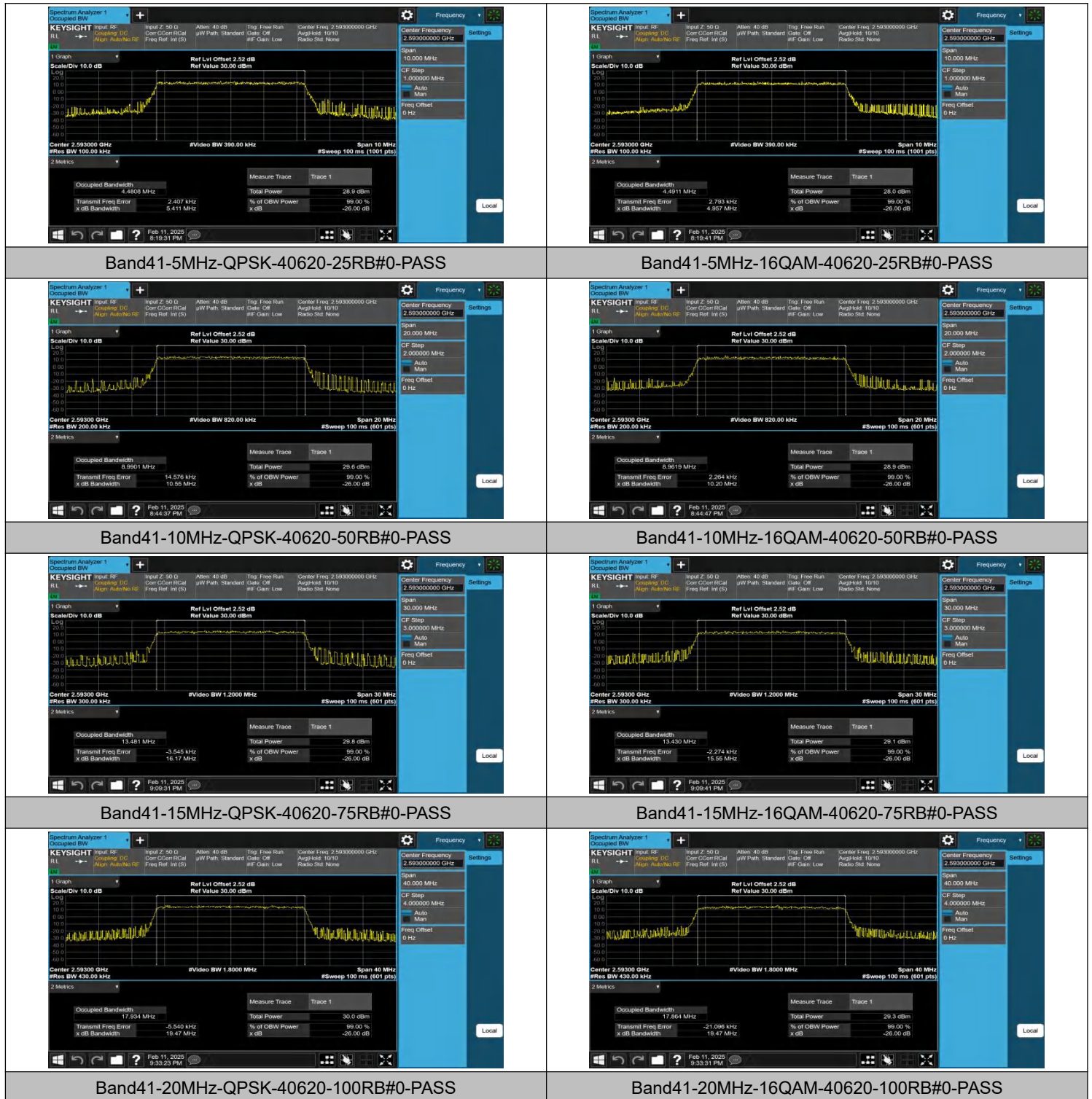


26dB Bandwidth and Occupied Bandwidth

Test Result

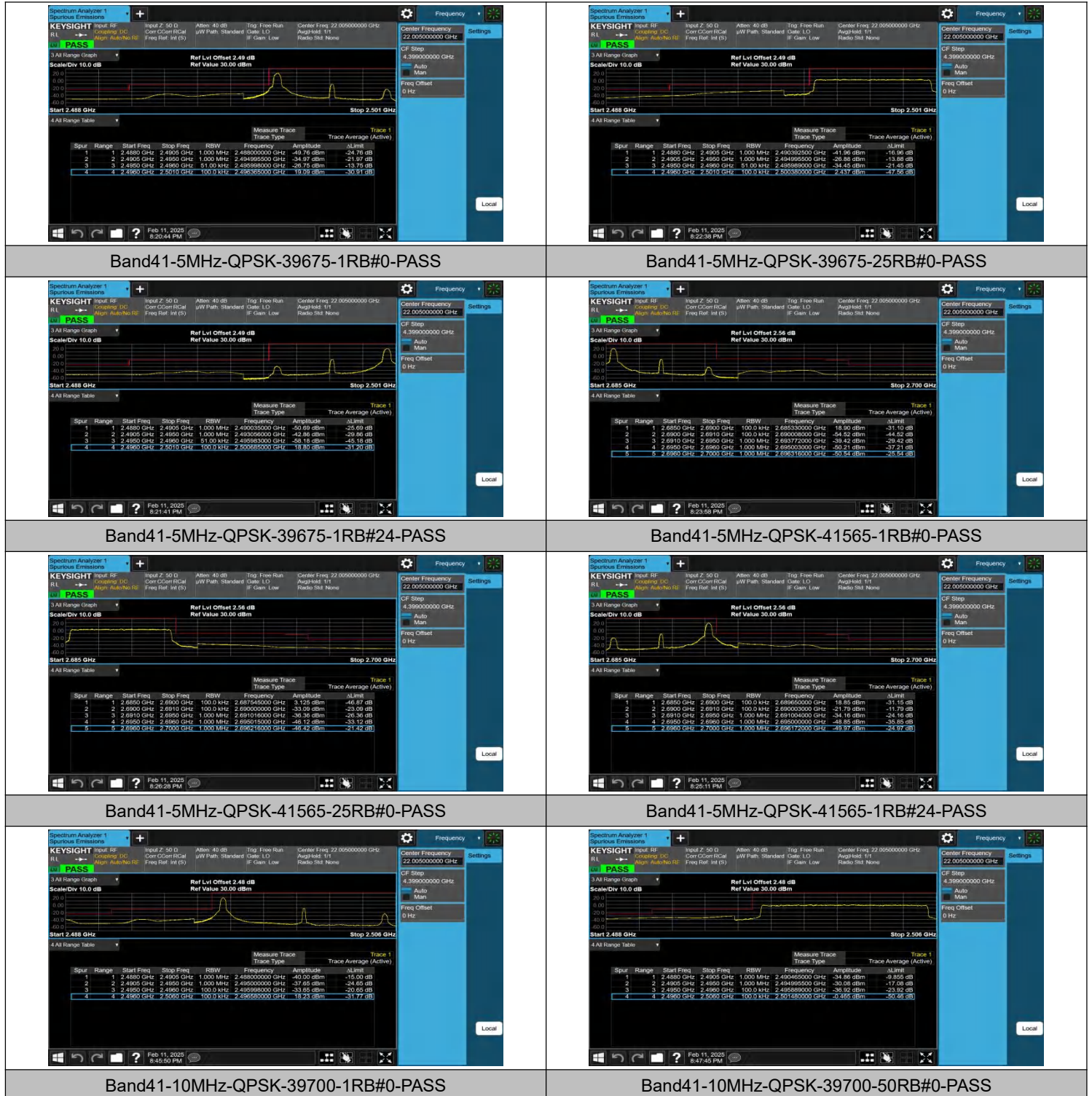
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.4808	5.411	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4911	4.957	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9901	10.55	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9619	10.20	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.481	16.17	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.430	15.55	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.934	19.47	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.864	19.47	PASS

Test Graphs



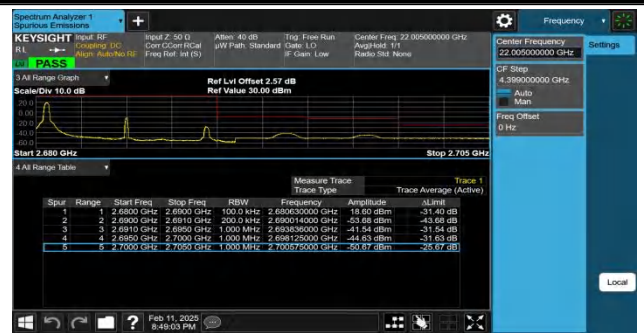
Band Edge

Test Graphs





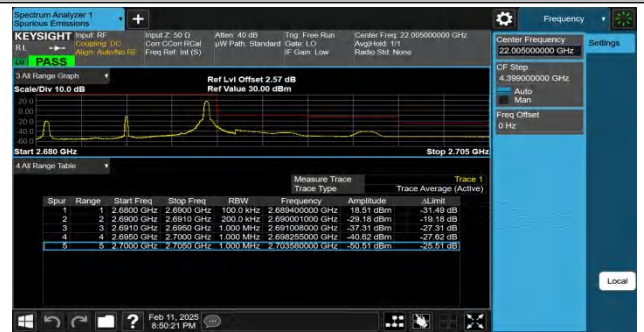
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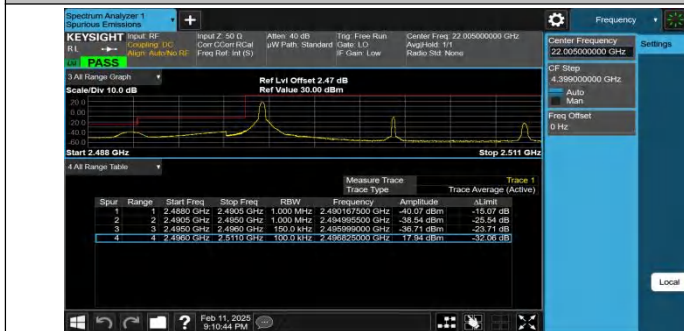
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Band41-10MHz-QPSK-41540-50RB#0-PASS



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



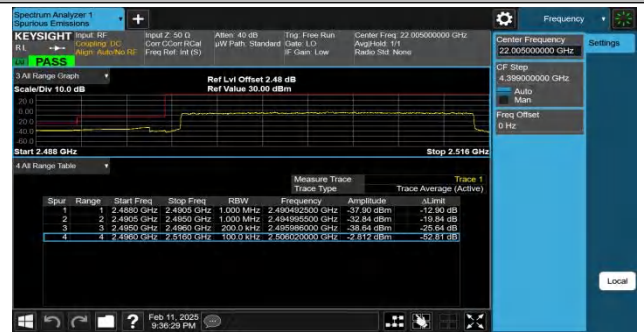
Band41-15MHz-QPSK-41515-75RB#0-PASS



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



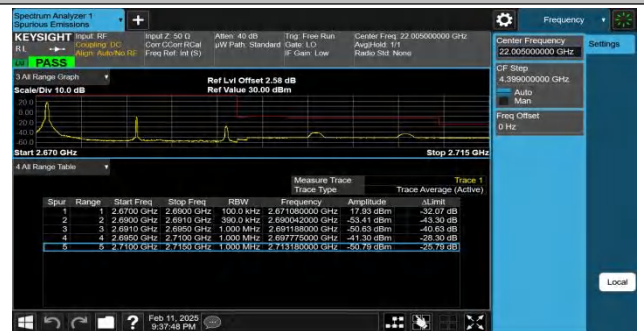
Band41-15MHz-QPSK-41515-1RB#74-PASS



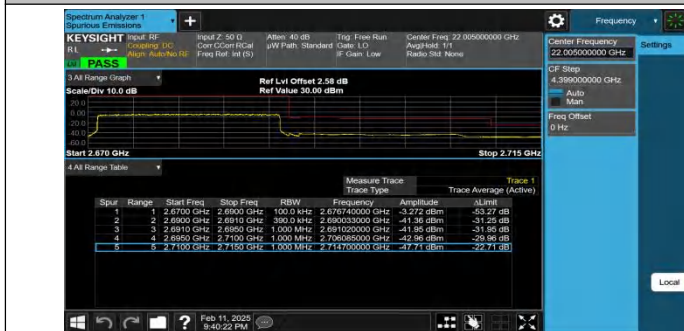
Band41-15MHz-QPSK-41515-1RB#74-PASS



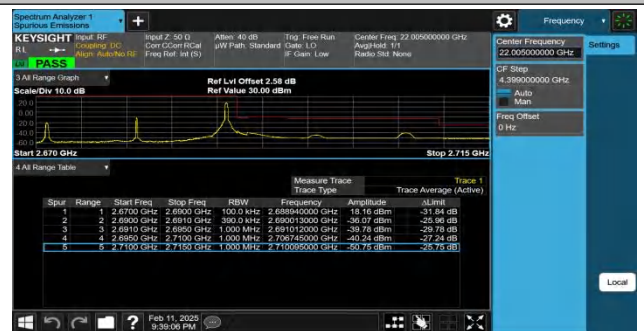
Band41-20MHz-QPSK-39750-1RB#0-PASS



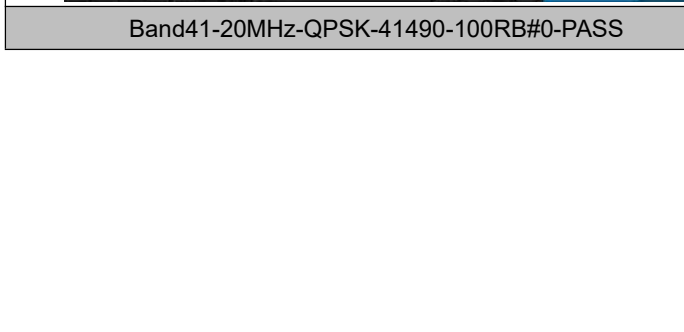
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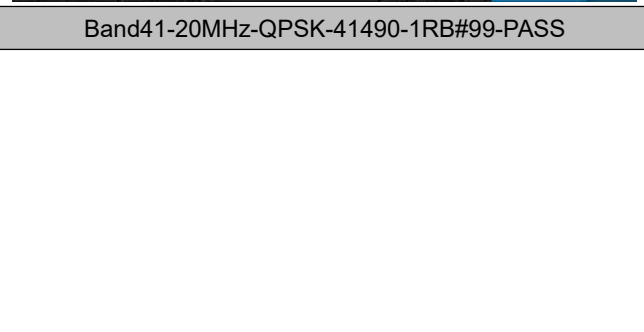
Band41-20MHz-QPSK-39750-1RB#99-PASS



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



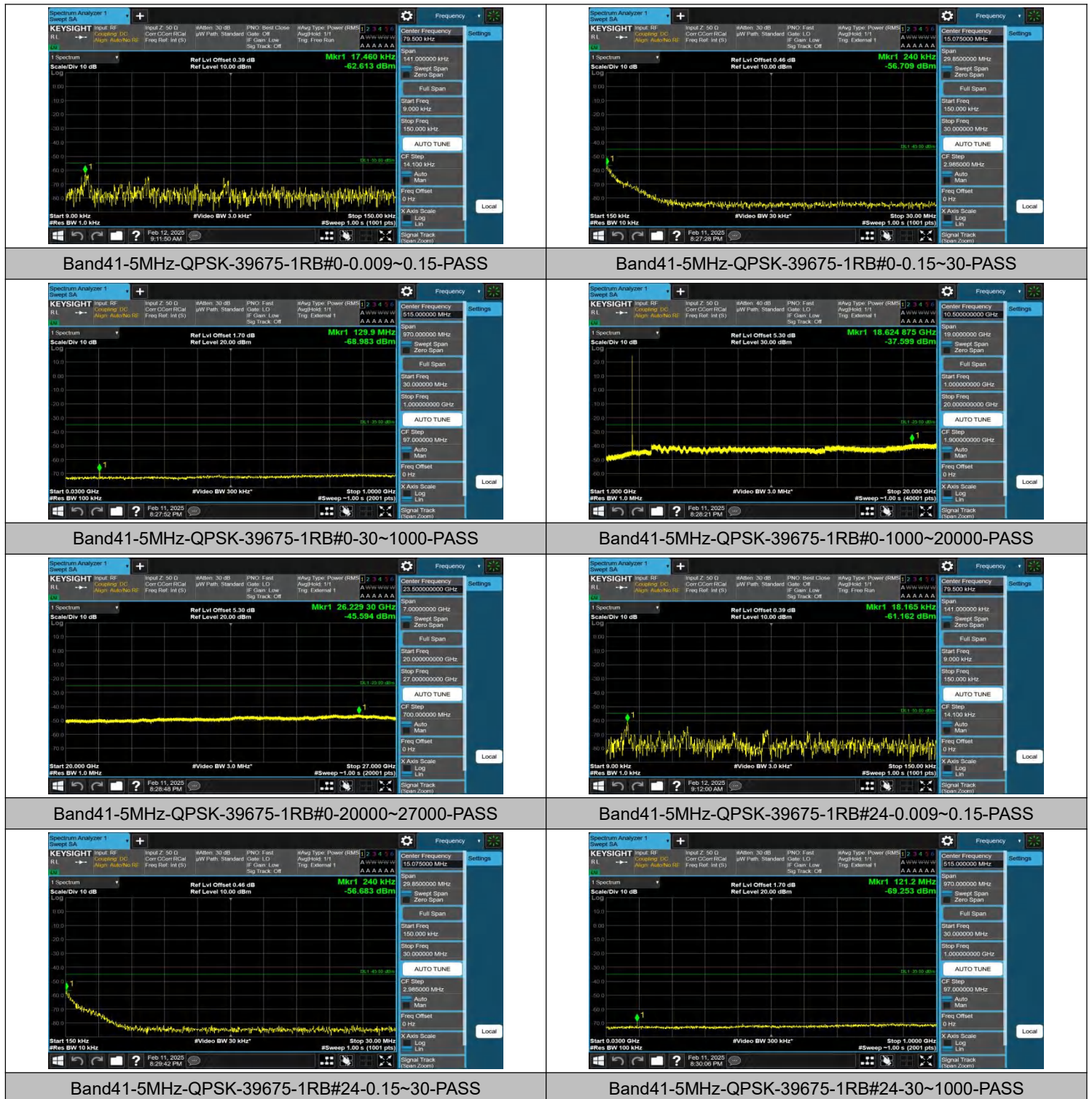
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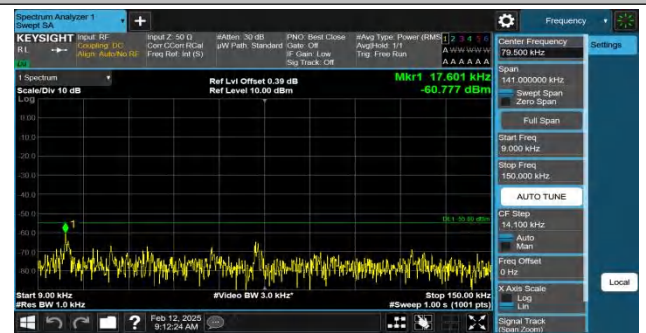
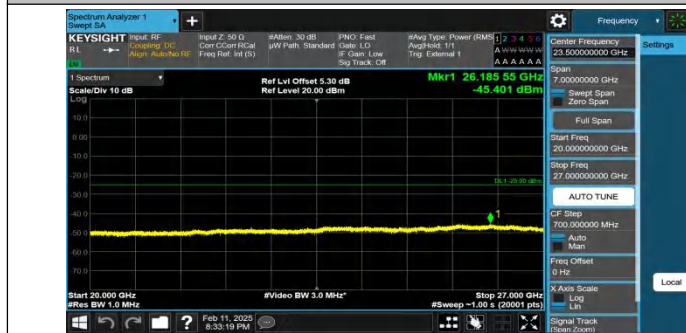
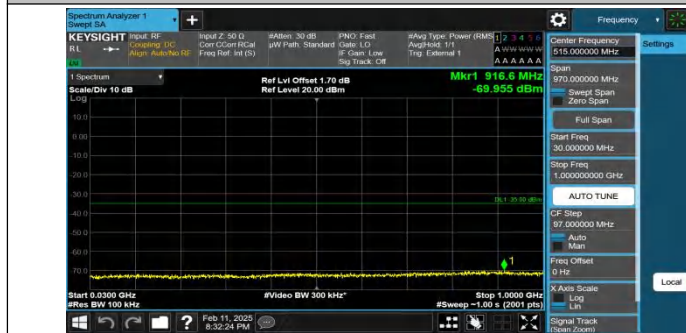
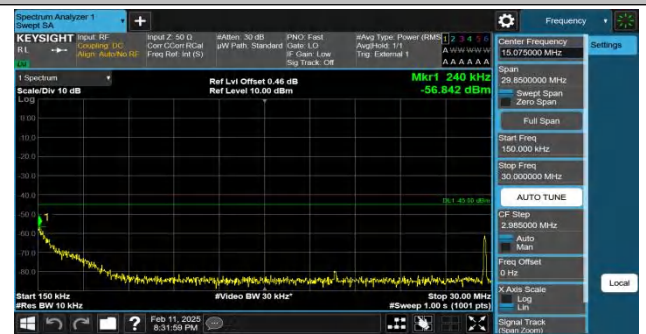
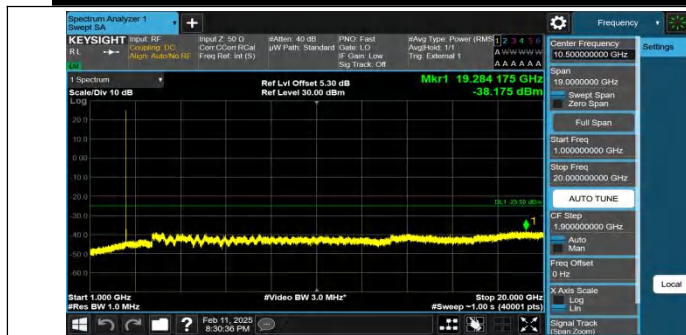


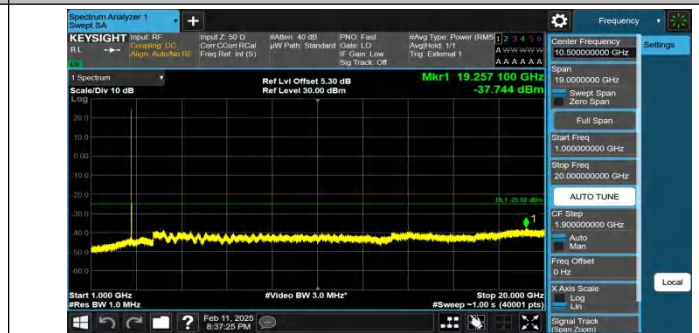
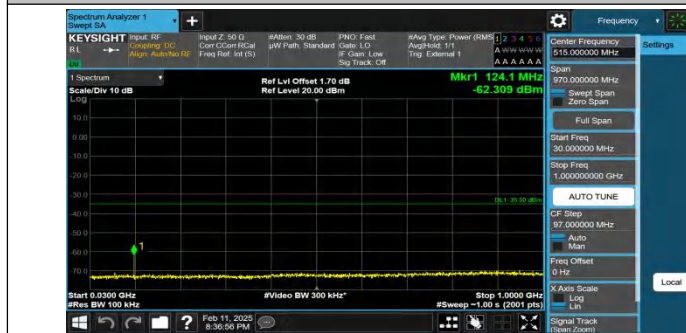
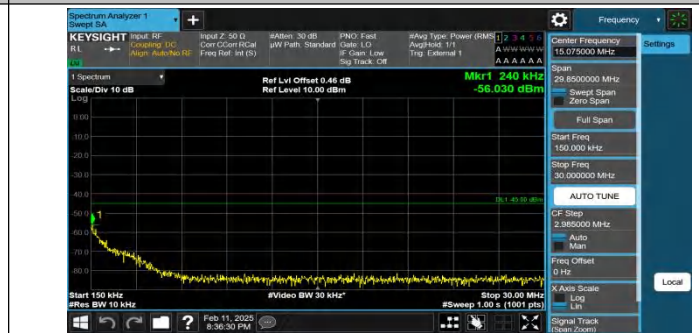
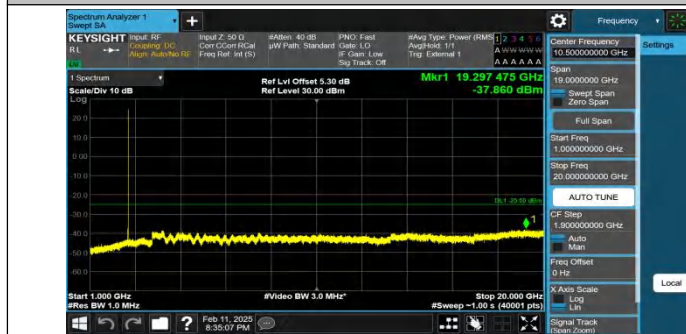
Band41-20MHz-QPSK-41490-1RB#99-PASS

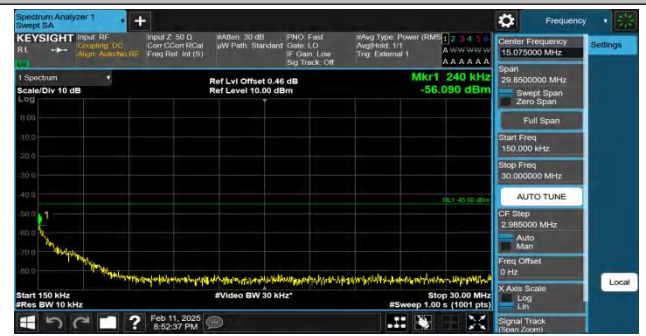
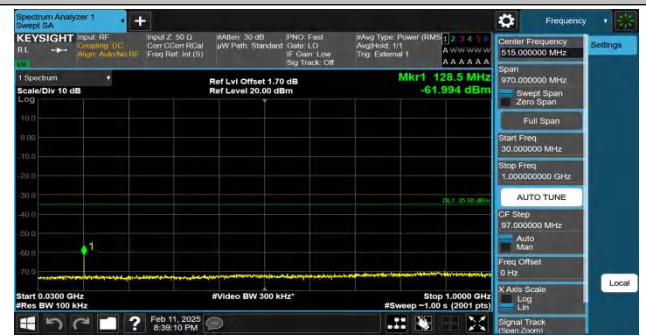
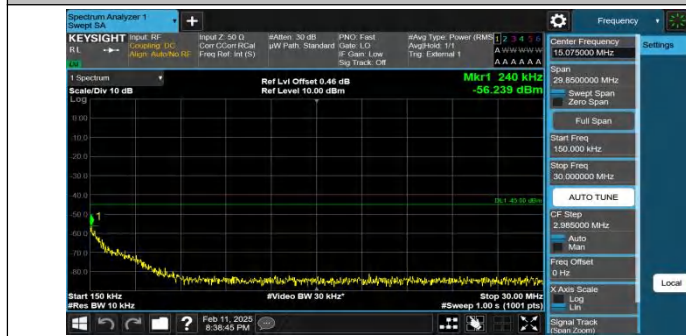
Conducted Spurious Emission

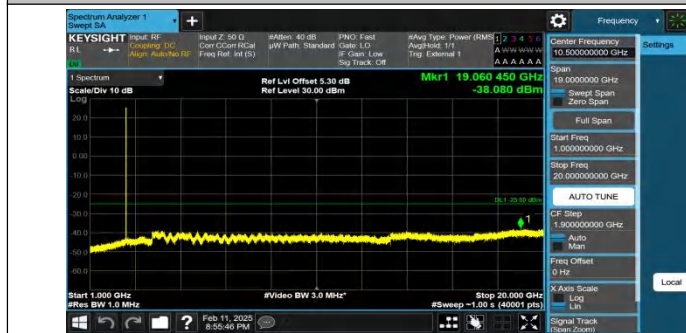
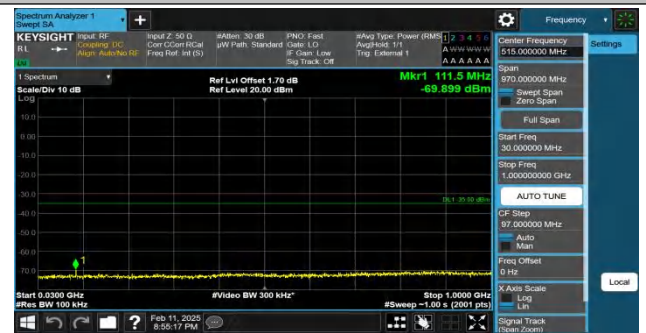
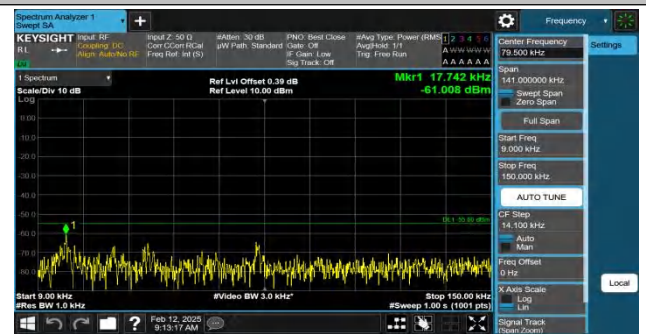
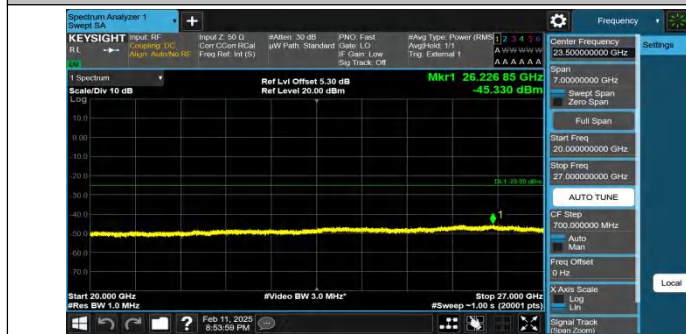
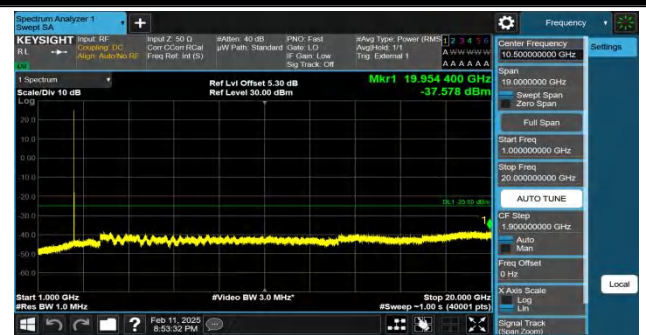
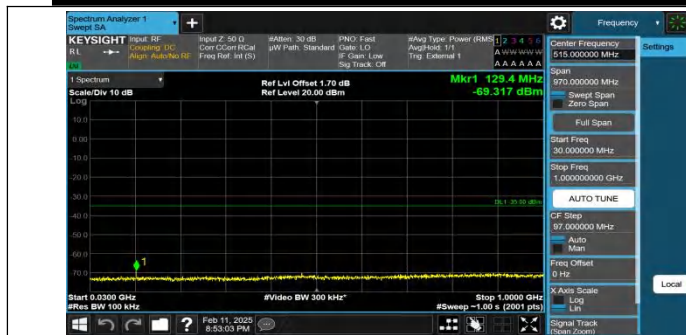
Test Graphs

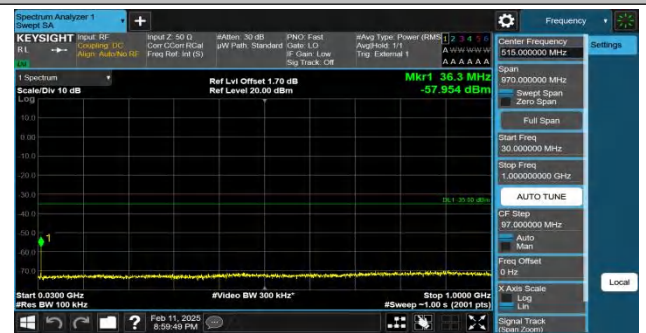
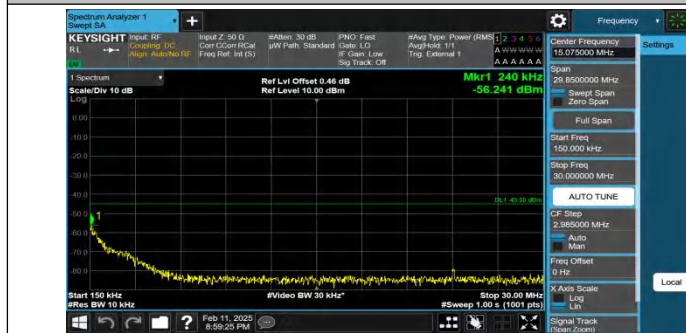
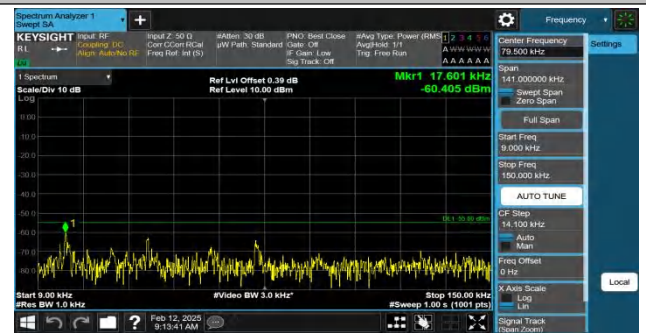
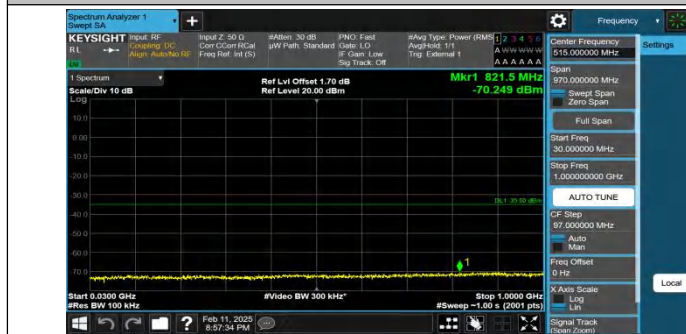
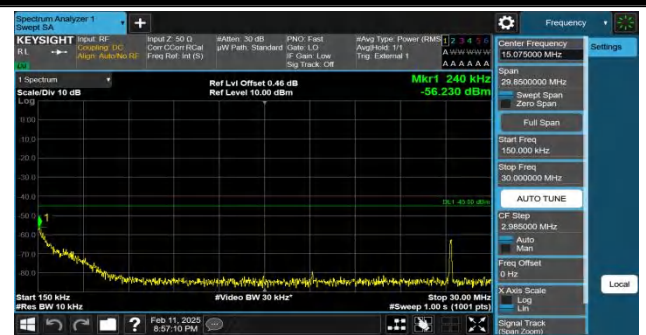


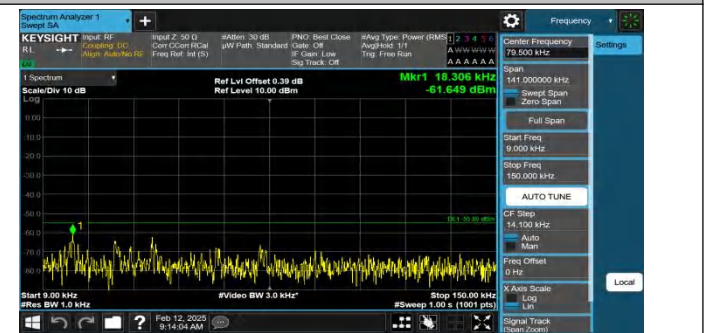
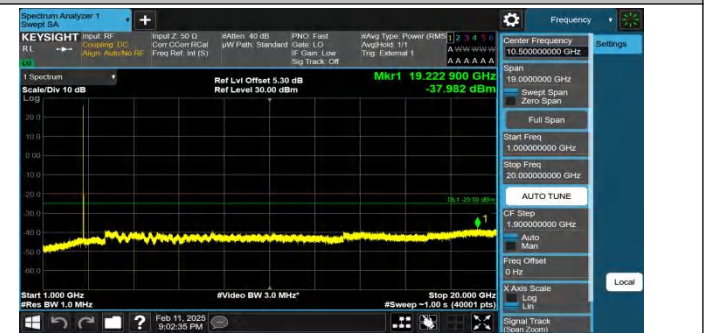
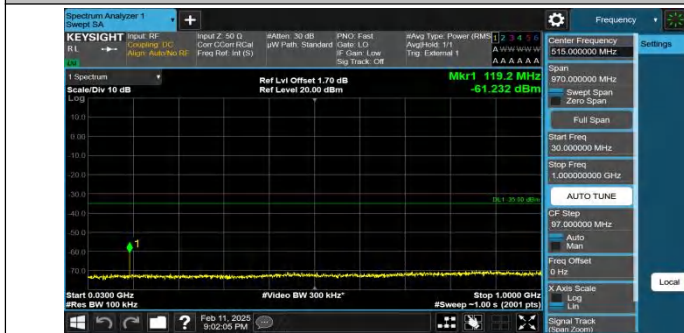
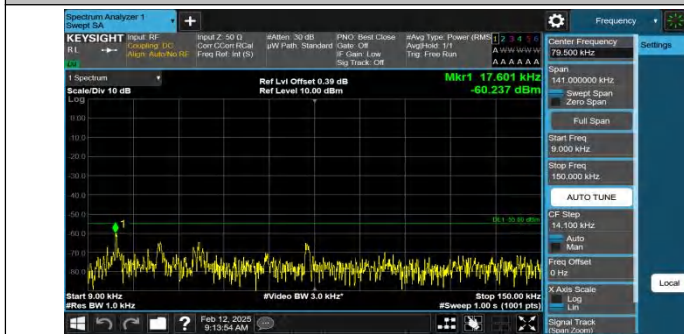
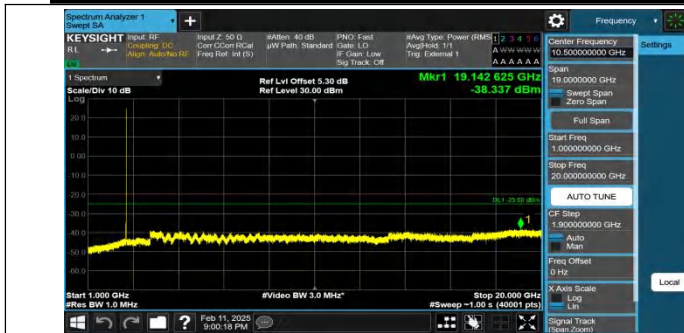


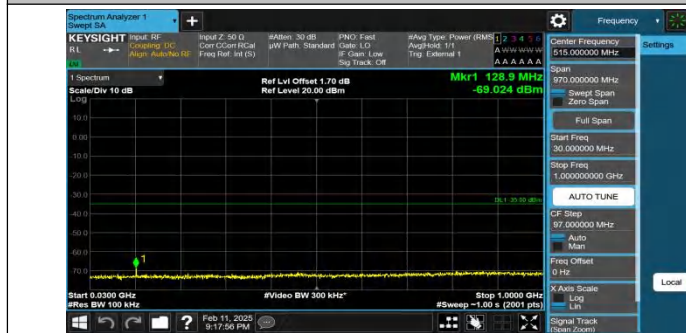
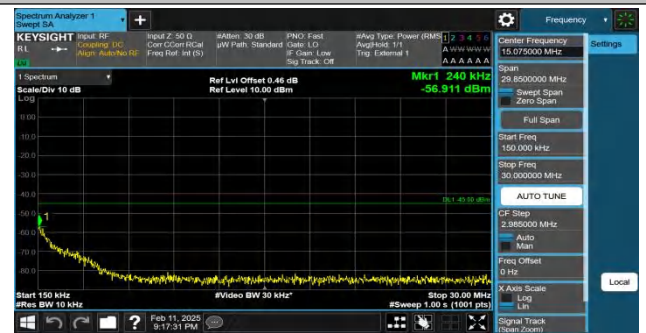
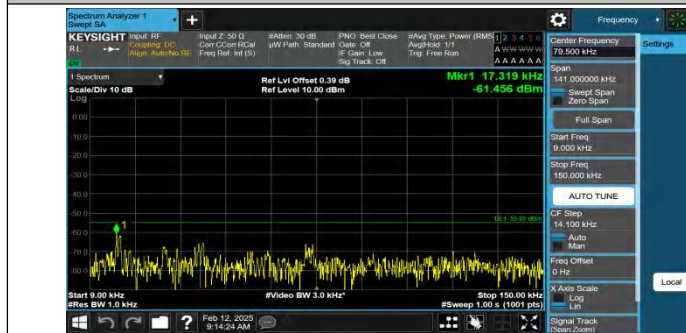
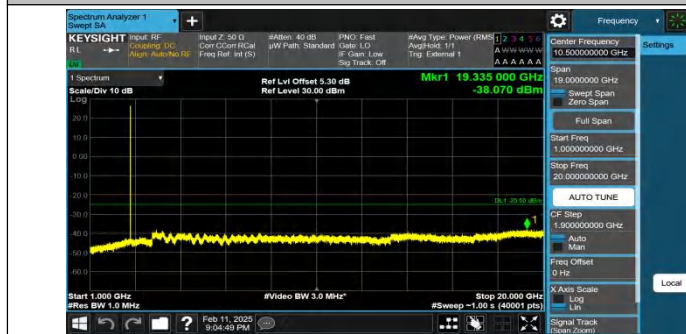
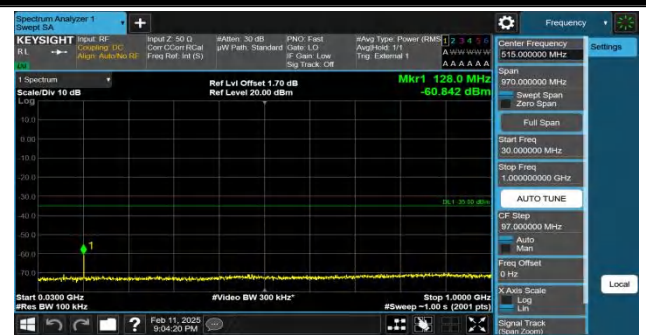


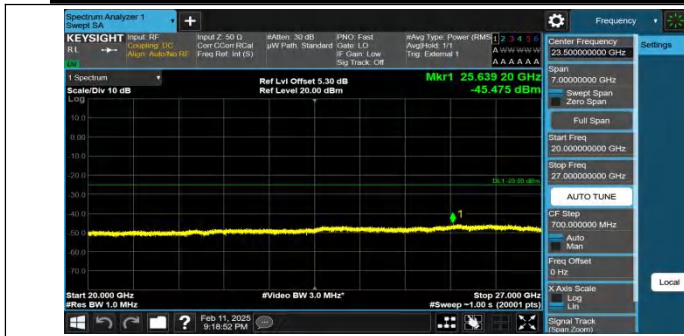




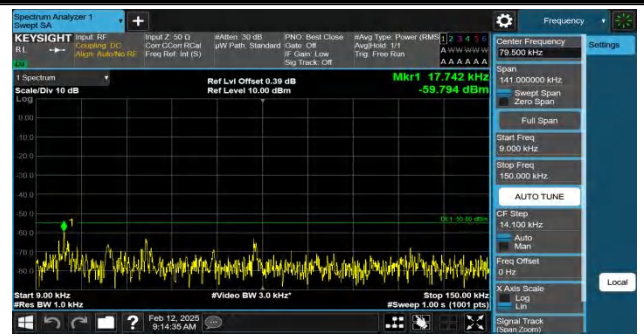








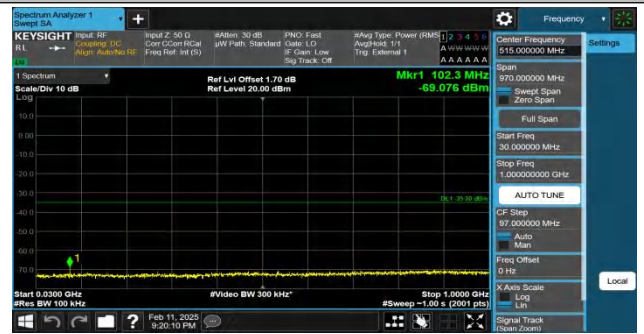
Band41-15MHz-QPSK-39725-1RB#0-20000~27000-PASS



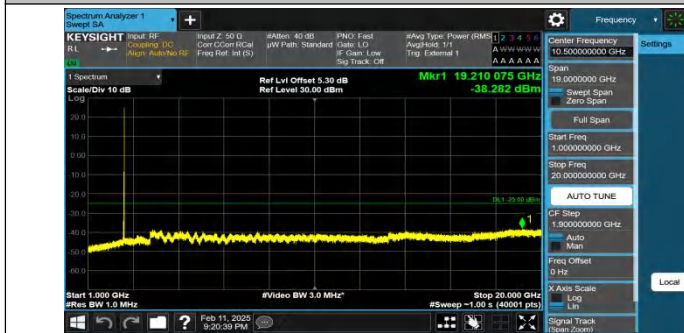
Band41-15MHz-QPSK-39725-1RB#74-0.009~0.15-PASS



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



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



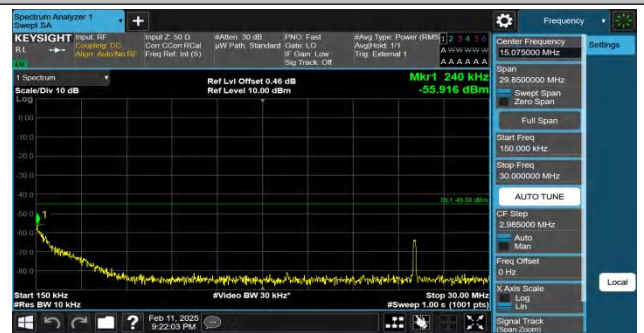
Band41-15MHz-QPSK-39725-1RB#74-1000~20000-PASS



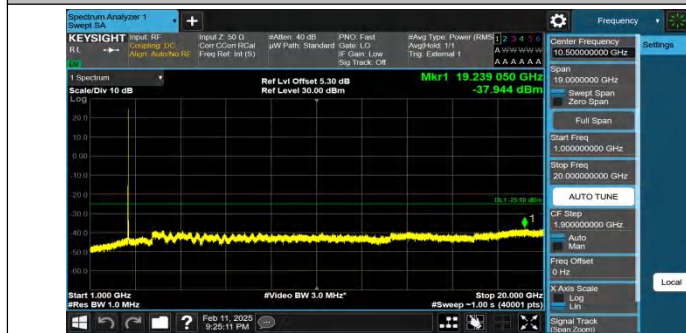
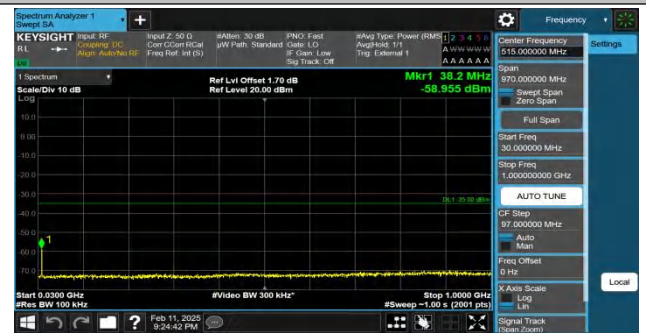
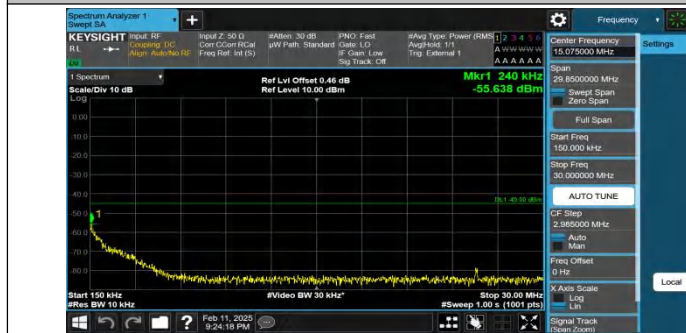
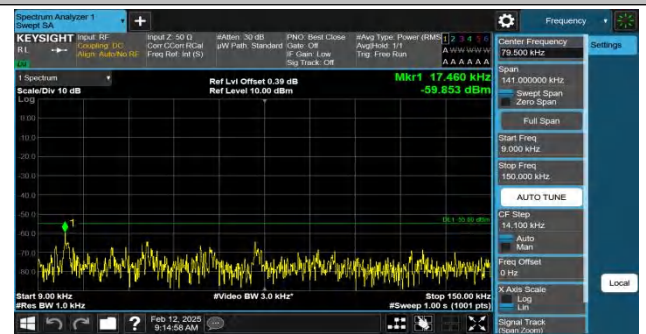
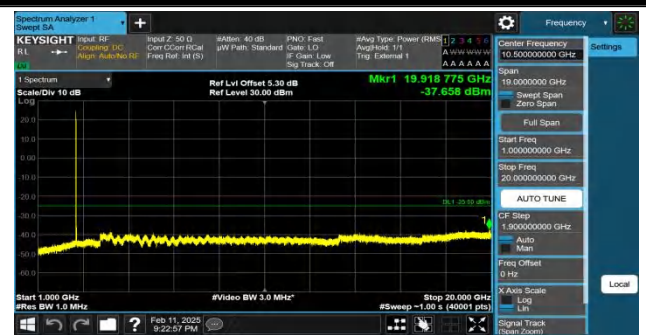
Band41-15MHz-QPSK-39725-1RB#74-20000~27000-PASS



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

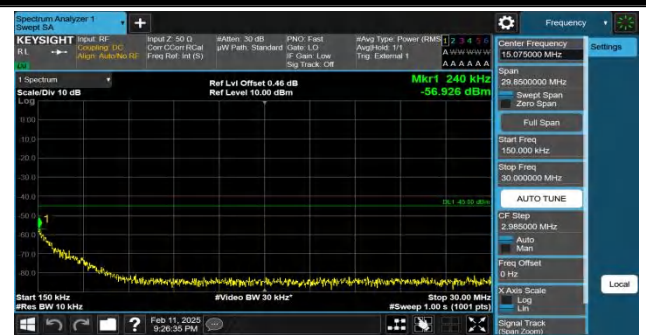


Band41-15MHz-QPSK-40620-1RB#0-0.15~30-PASS

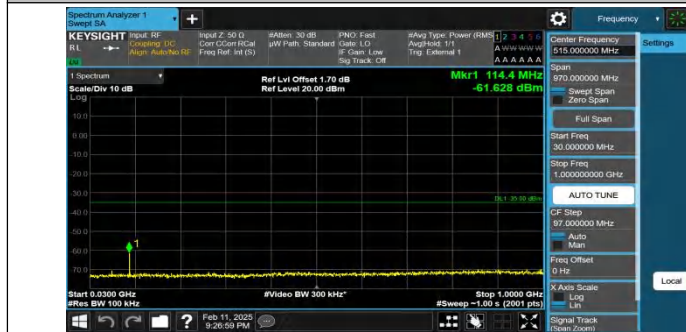




Band41-15MHz-QPSK-41515-1RB#0-0.009~0.15-PASS



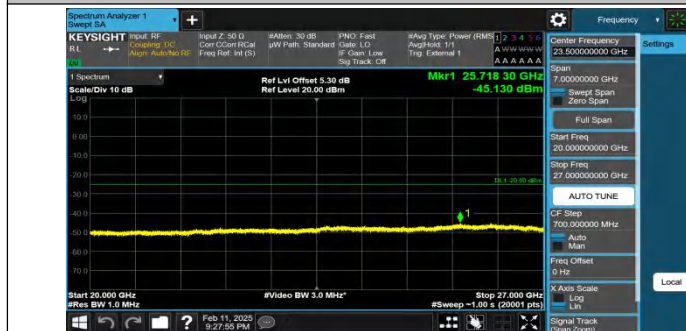
Band41-15MHz-QPSK-41515-1RB#0-0.15~30-PASS



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



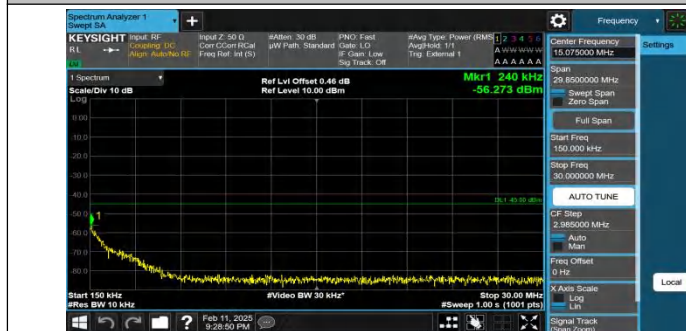
Band41-15MHz-QPSK-41515-1RB#0-1000~20000-PASS



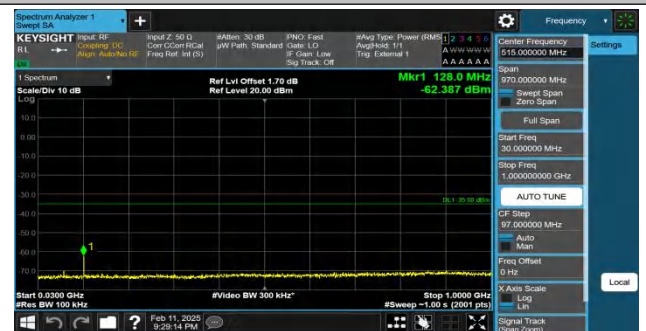
Band41-15MHz-QPSK-41515-1RB#0-20000~27000-PASS



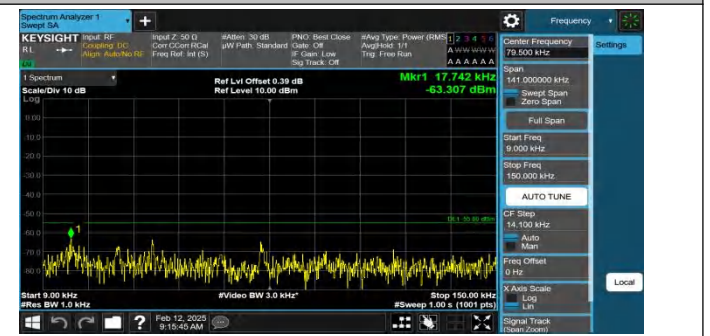
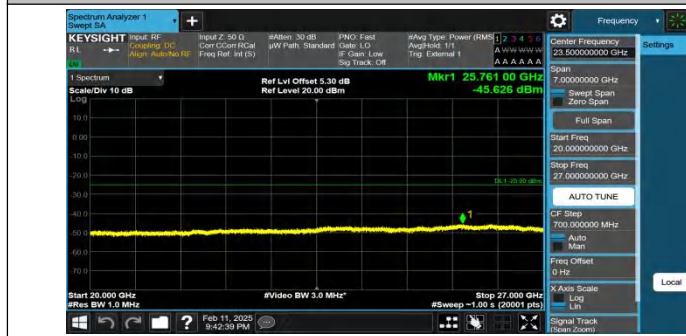
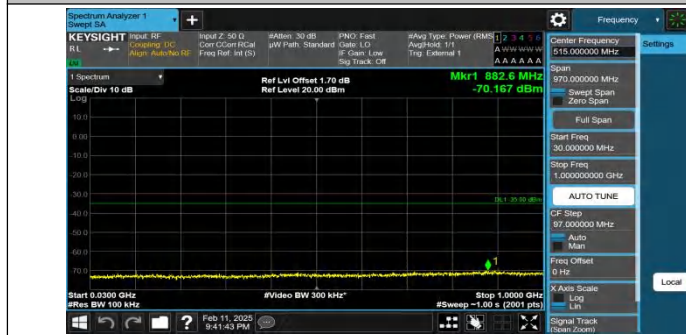
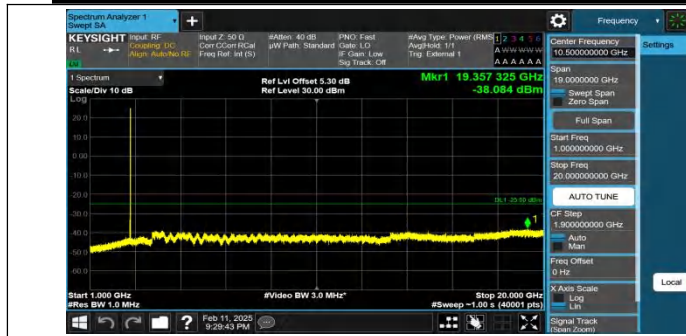
Band41-15MHz-QPSK-41515-1RB#74-0.009~0.15-PASS

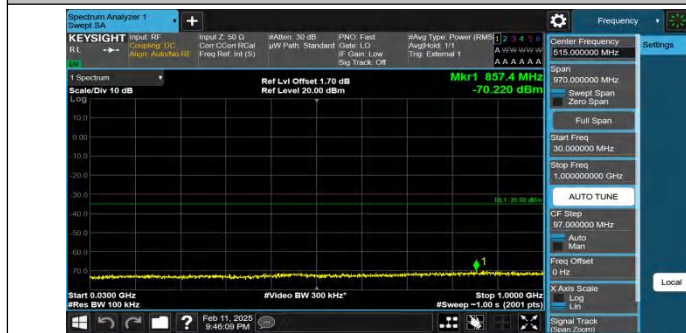
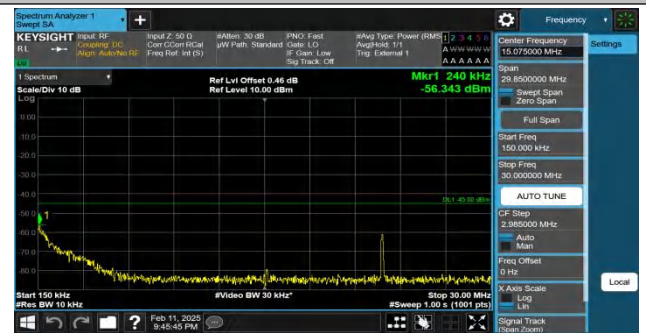
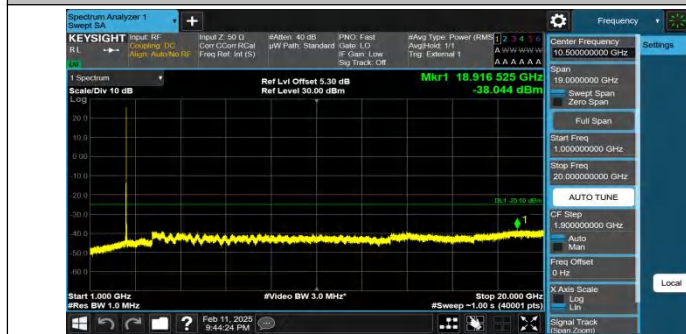
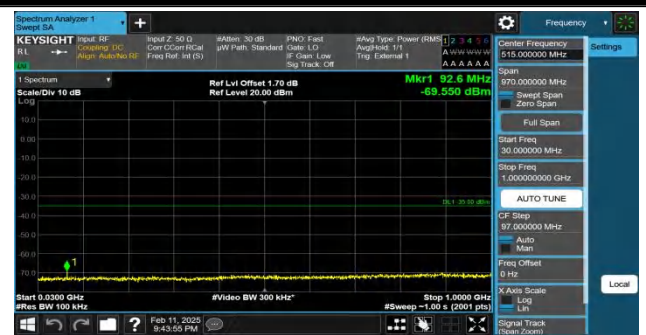
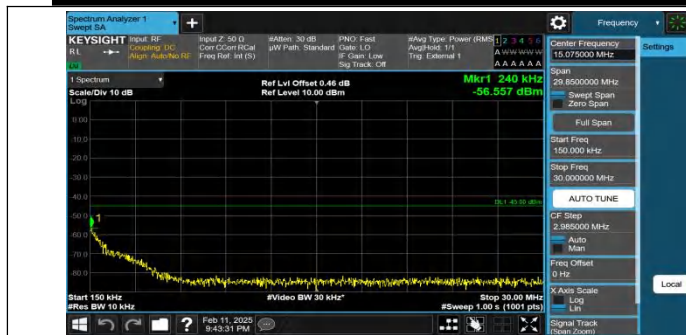


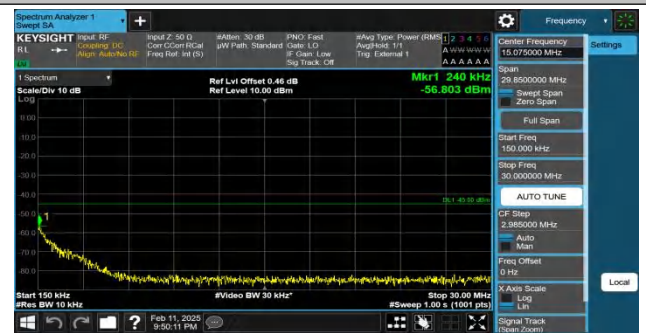
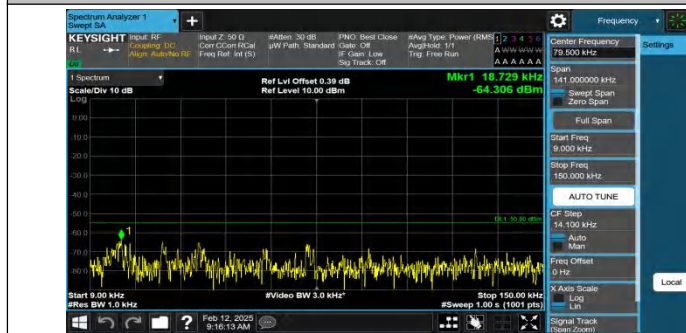
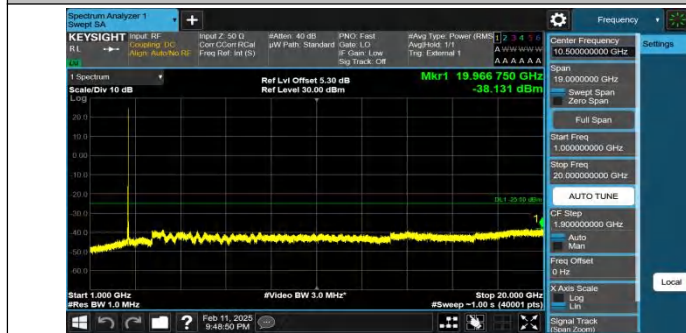
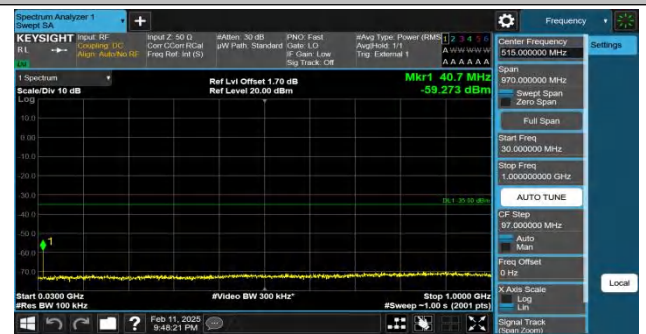
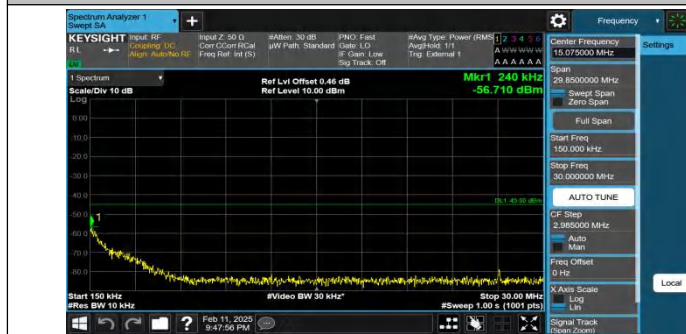
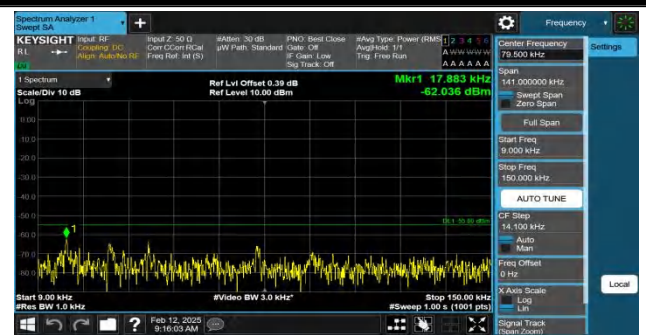
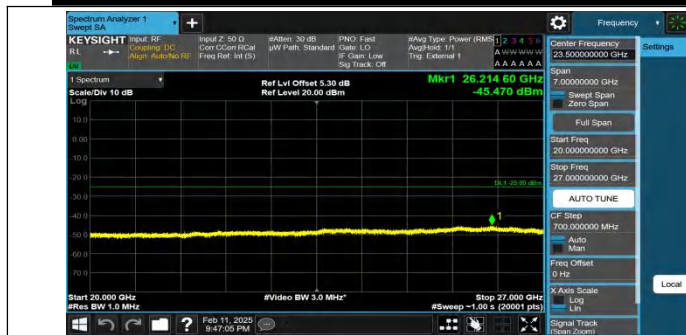
Band41-15MHz-QPSK-41515-1RB#74-0.15~30-PASS

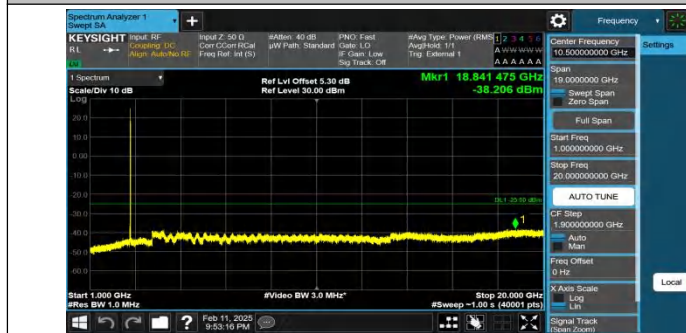
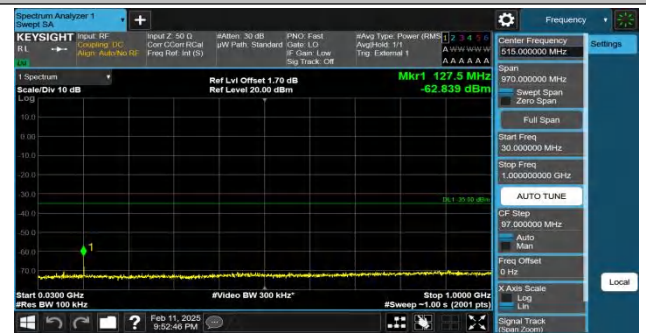
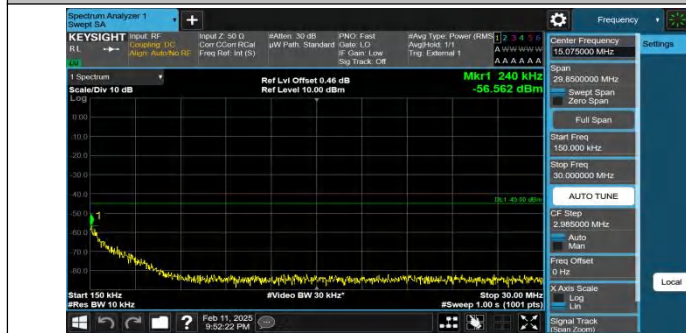
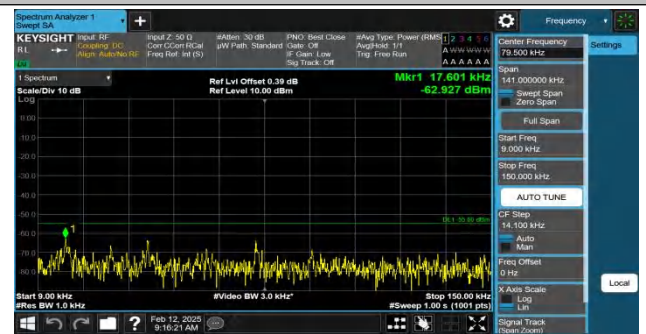
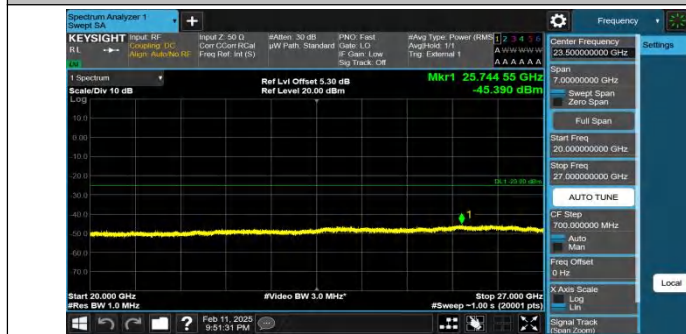
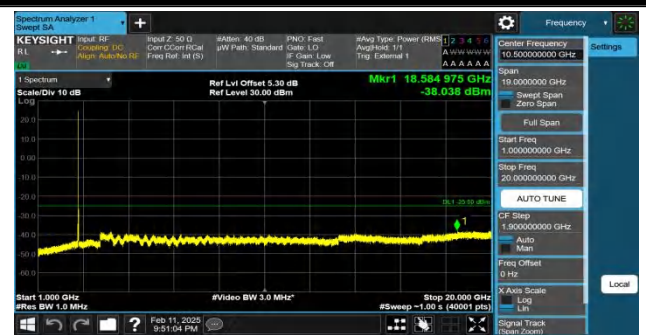


Band41-15MHz-QPSK-41515-1RB#74-30~1000-PASS









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	-12210.00	-4.708831	±NA	2584.09129	2601.88429	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	VL	NT	-12040.00	-4.643270	±NA	2584.09146	2601.88446	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	VH	NT	-12200.00	-4.704975	±NA	2584.0913	2601.8843	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	-12180.00	-4.697262	±NA	2584.09132	2601.88432	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-20	-12050.00	-4.647127	±NA	2584.09195	2601.88395	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-10	-12130.00	-4.677979	±NA	2584.09137	2601.88437	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	0	-12440.00	-4.797532	±NA	2584.09106	2601.88406	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	10	-12020.00	-4.635557	±NA	2584.09148	2601.88448	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	20	-11950.00	-4.608562	±NA	2584.09105	2601.88505	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	30	-11960.00	-4.612418	±NA	2584.09104	2601.88504	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	40	-11890.00	-4.585422	±NA	2584.09161	2601.88461	2496-2690	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	50	-12230.00	-4.716545	±NA	2584.09127	2601.88427	2496-2690	PASS

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