

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain(dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.14	3	26.14	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.21	3	25.21	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.32	3	26.32	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.34	3	26.34	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.27	3	26.27	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.3	3	25.3	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.42	3	26.42	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.06	3	26.06	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.12	3	26.12	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.21	3	25.21	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.13	3	26.13	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.02	3	26.02	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.79	3	24.79	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.4	3	24.4	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.04	3	25.04	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.23	3	25.23	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.41	3	25.41	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.26	3	24.26	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.48	3	25.48	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.02	3	25.02	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.2	3	25.2	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.22	3	24.22	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.35	3	25.35	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.22	3	25.22	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.95	3	25.95	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.29	3	25.29	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.38	3	26.38	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.93	3	25.93	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.21	3	26.21	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.4	3	25.4	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.63	3	26.63	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.11	3	26.11	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.41	3	26.41	33	PASS

Band7	10MHz	QPSK	21400	50RB#0	22.3	3	25.3	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.67	3	26.67	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.25	3	26.25	33	PASS
Band7	10MHz	16QAM	20800	27RB#0	21.35	3	24.35	33	PASS
Band7	10MHz	16QAM	21100	27RB#0	21.28	3	24.28	33	PASS
Band7	10MHz	16QAM	21400	27RB#0	21.26	3	24.26	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.27	3	25.27	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.69	3	25.69	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.22	3	25.22	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.16	3	25.16	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.69	3	25.69	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.26	3	25.26	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.51	3	25.51	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.23	3	26.23	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.75	3	25.75	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.27	3	26.27	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.37	3	25.37	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.12	3	26.12	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.91	3	25.91	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.04	3	26.04	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.43	3	25.43	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.2	3	26.2	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.1	3	26.1	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.43	3	26.43	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.3	3	25.3	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.45	3	26.45	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.24	3	26.24	33	PASS
Band7	15MHz	16QAM	20825	27RB#0	21.2	3	24.2	33	PASS
Band7	15MHz	16QAM	21100	27RB#0	21.31	3	24.31	33	PASS
Band7	15MHz	16QAM	21375	27RB#0	21.29	3	24.29	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.36	3	25.36	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.32	3	25.32	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.4	3	25.4	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.19	3	25.19	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.47	3	25.47	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.17	3	25.17	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.12	3	25.12	33	PASS

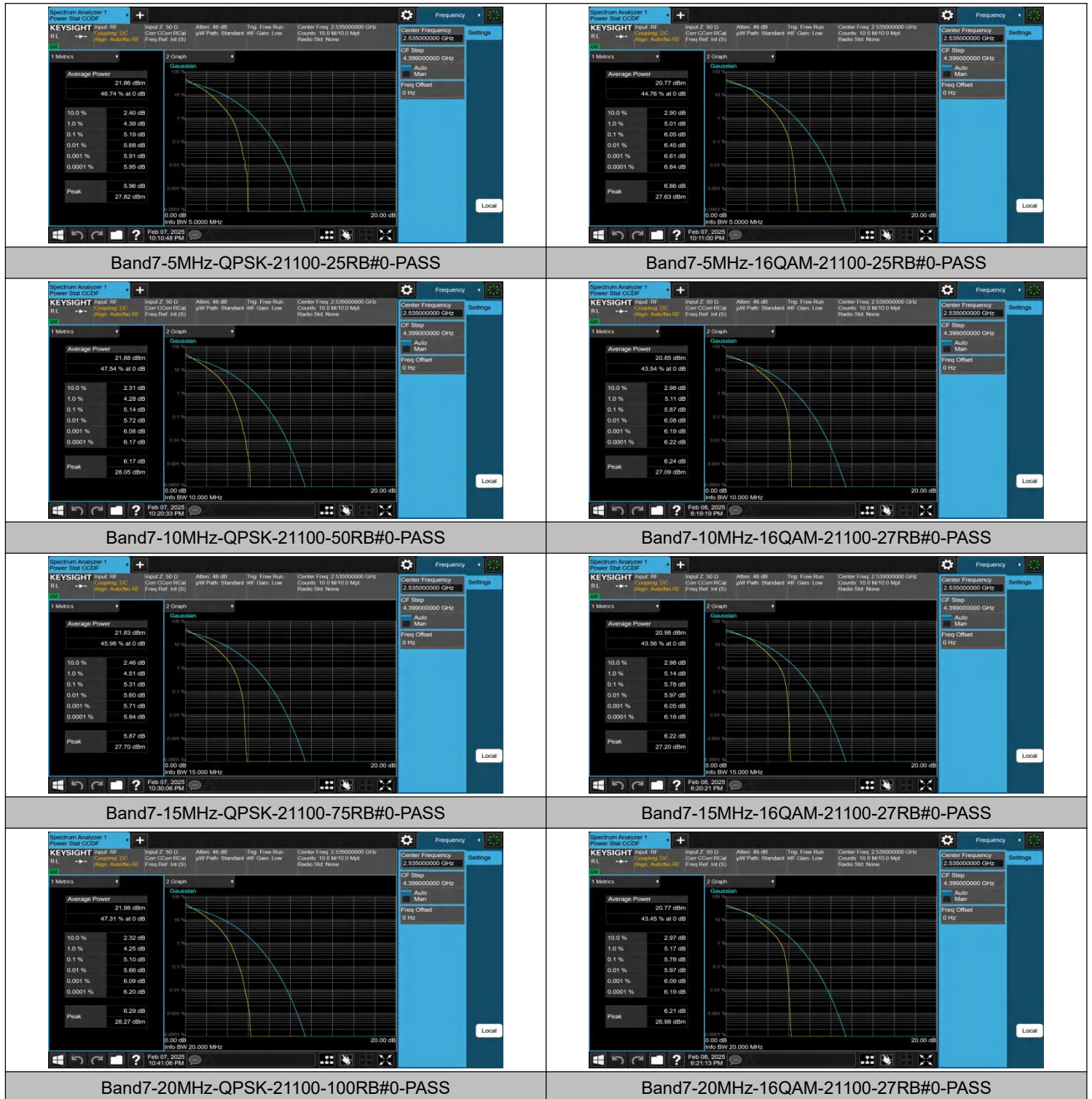
Band7	15MHz	16QAM	21375	1RB#38	22.78	3	25.78	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.78	3	25.78	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.14	3	26.14	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.29	3	25.29	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.74	3	26.74	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.27	3	26.27	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.13	3	26.13	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.35	3	25.35	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.36	3	26.36	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.07	3	26.07	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.23	3	26.23	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.31	3	25.31	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.36	3	26.36	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.94	3	25.94	33	PASS
Band7	20MHz	16QAM	20850	27RB#0	21.27	3	24.27	33	PASS
Band7	20MHz	16QAM	21100	27RB#0	21.26	3	24.26	33	PASS
Band7	20MHz	16QAM	21350	27RB#0	21.24	3	24.24	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.2	3	25.2	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.87	3	25.87	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.34	3	25.34	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.77	3	25.77	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.33	3	26.33	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.71	3	25.71	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.29	3	25.29	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.31	3	25.31	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.07	3	25.07	33	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	5.19	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.05	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.14	13	PASS
Band7	10MHz	16QAM	21100	27RB#0	5.87	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.31	13	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.78	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.10	13	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.78	13	PASS

Test Graphs

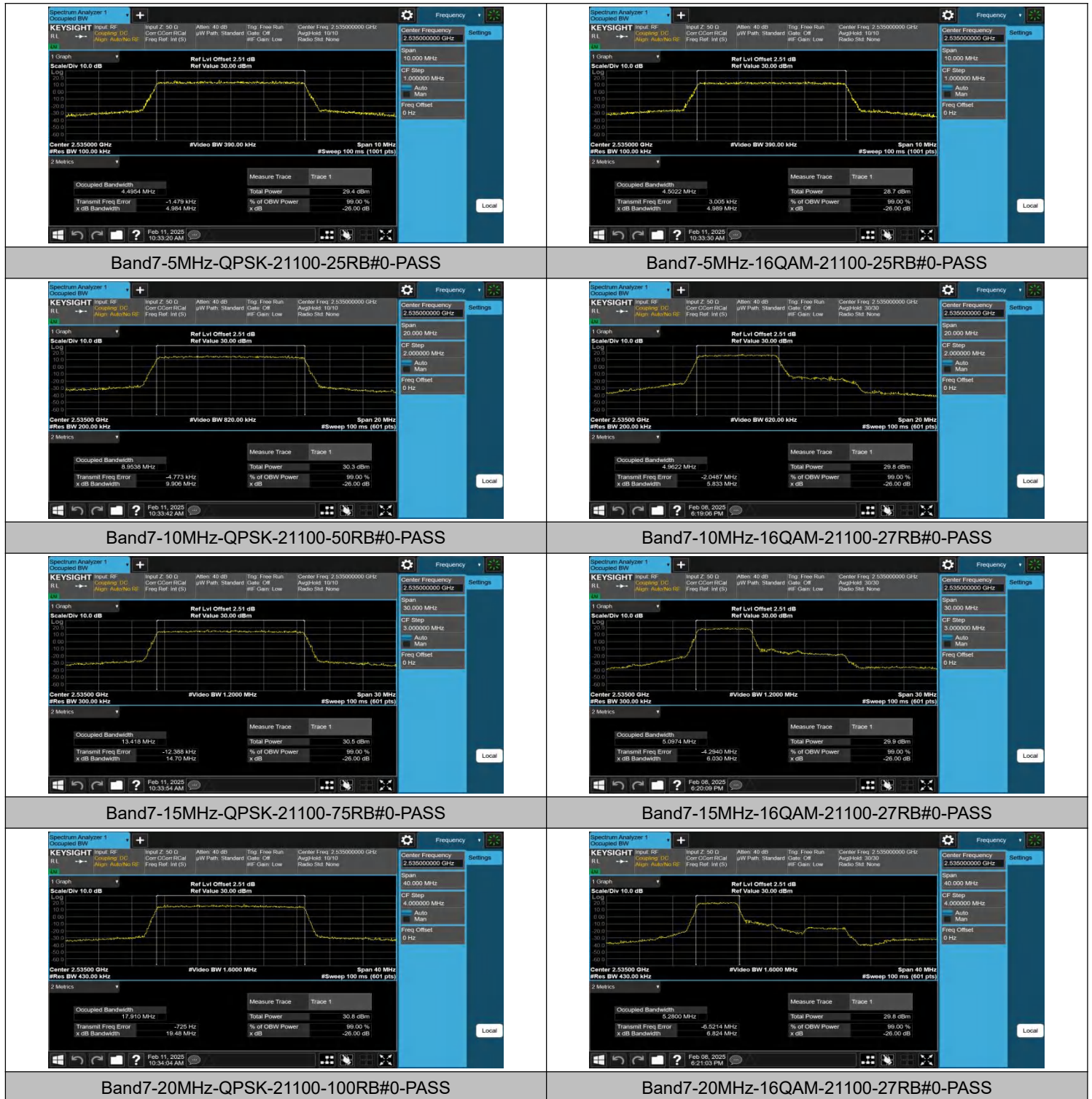


26dB Bandwidth and Occupied Bandwidth

Test Result

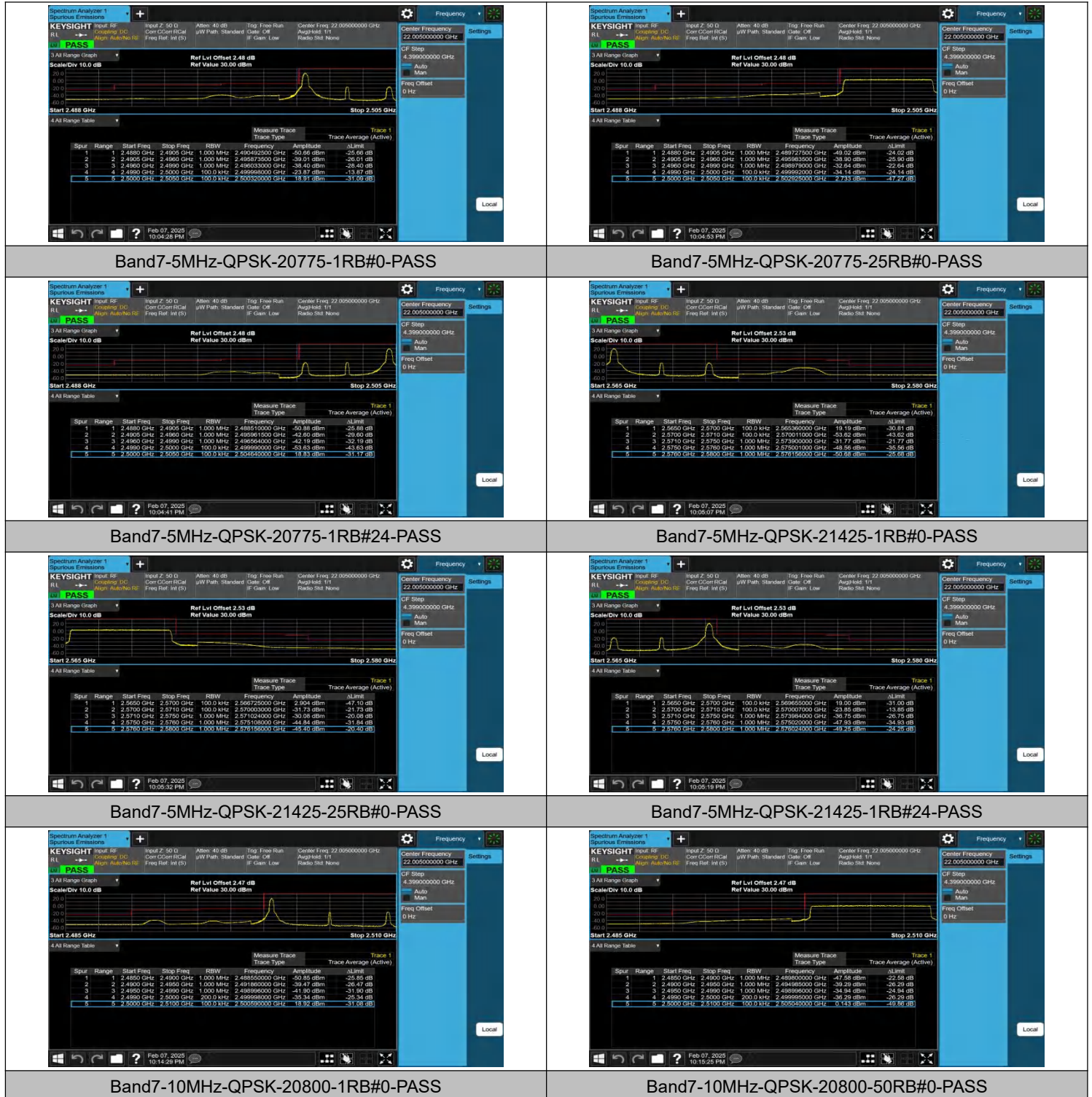
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.4954	4.984	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5022	4.989	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9538	9.906	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9622	5.833	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.418	14.70	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.0974	6.030	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.910	19.48	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.2800	6.824	PASS

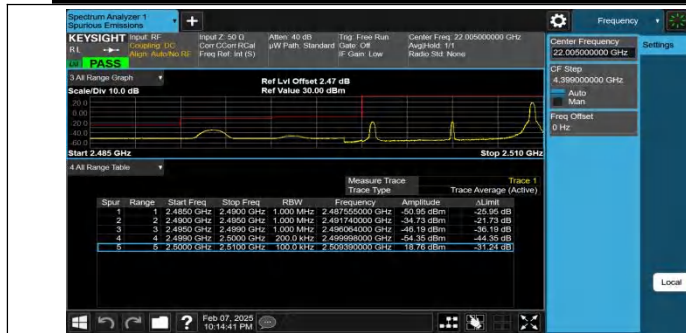
Test Graphs



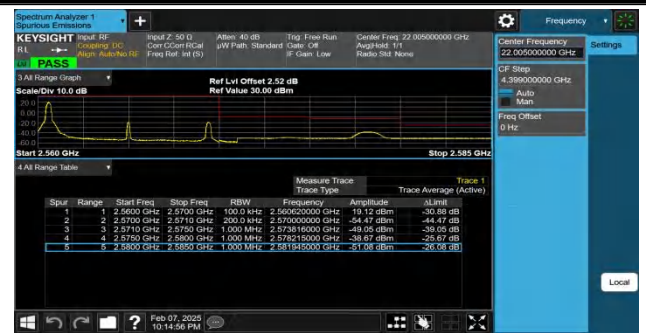
Band Edge

Test Graphs

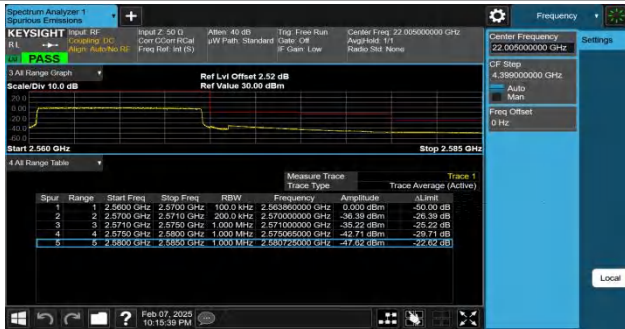




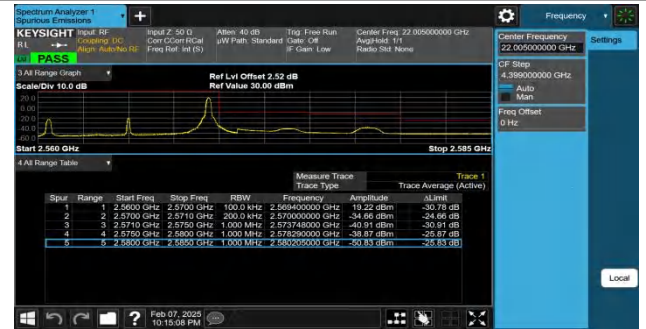
Band7-10MHz-QPSK-20800-1RB#49-PASS



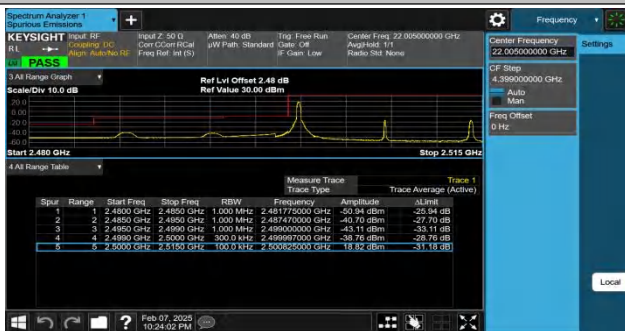
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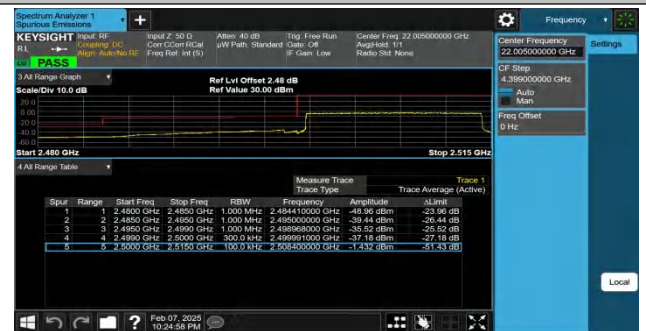
Band7-10MHz-QPSK-21400-50RB#0-PASS



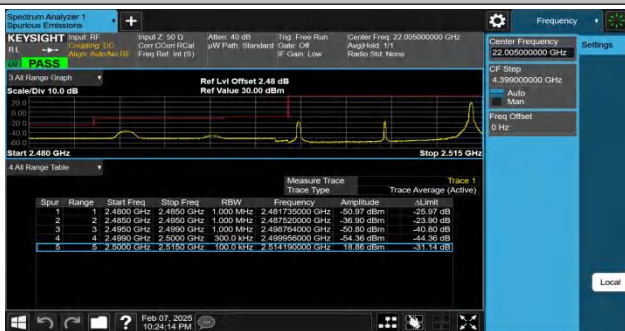
Band7-10MHz-QPSK-21400-1RB#49-PASS



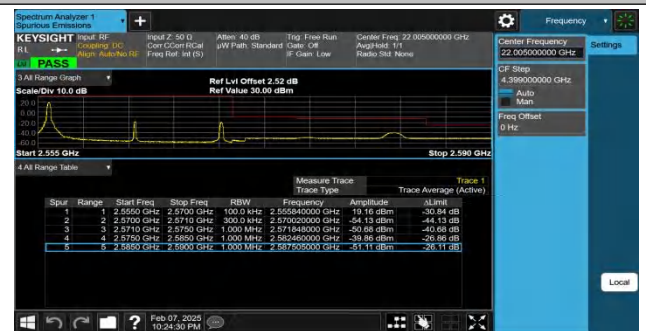
Band7-15MHz-QPSK-20825-1RB#0-PASS



Band7-15MHz-QPSK-20825-75RB#0-PASS



Band7-15MHz-QPSK-20825-1RB#74-PASS



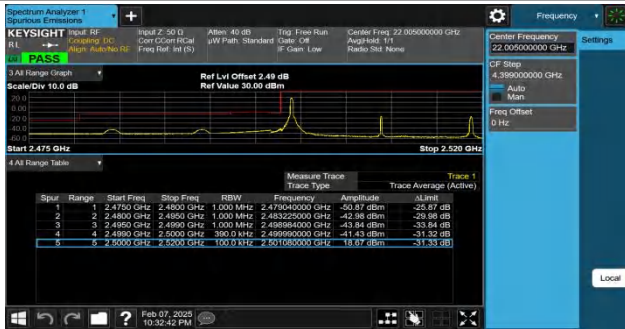
Band7-15MHz-QPSK-21375-1RB#0-PASS



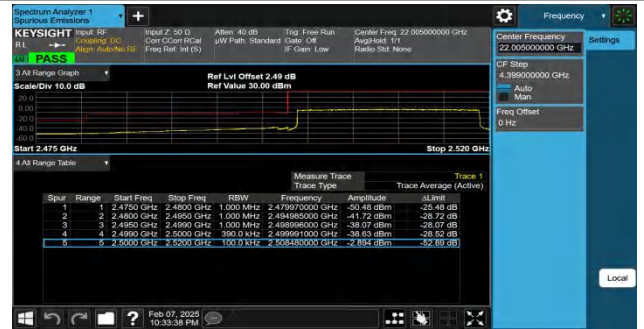
Band7-15MHz-QPSK-21375-75RB#0-PASS



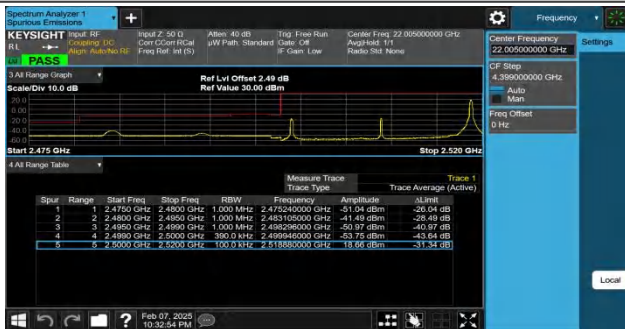
Band7-15MHz-QPSK-21375-1RB#74-PASS



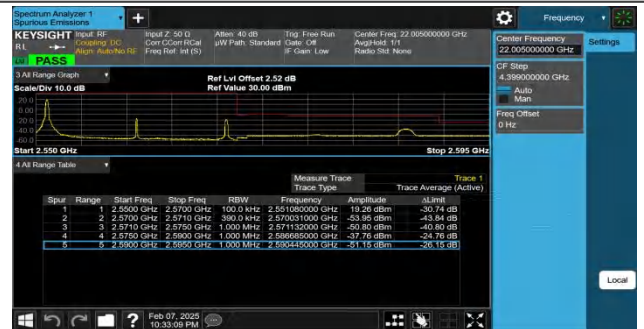
Band7-20MHz-QPSK-20850-1RB#0-PASS



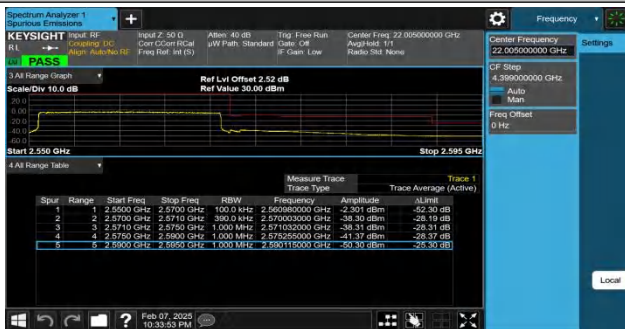
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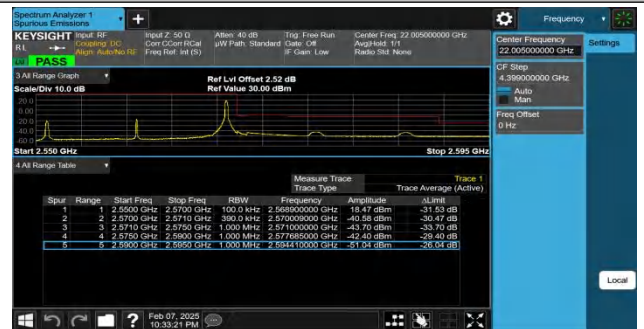
Band7-20MHz-QPSK-20850-1RB#99-PASS



Band7-20MHz-QPSK-21350-1RB#0-PASS



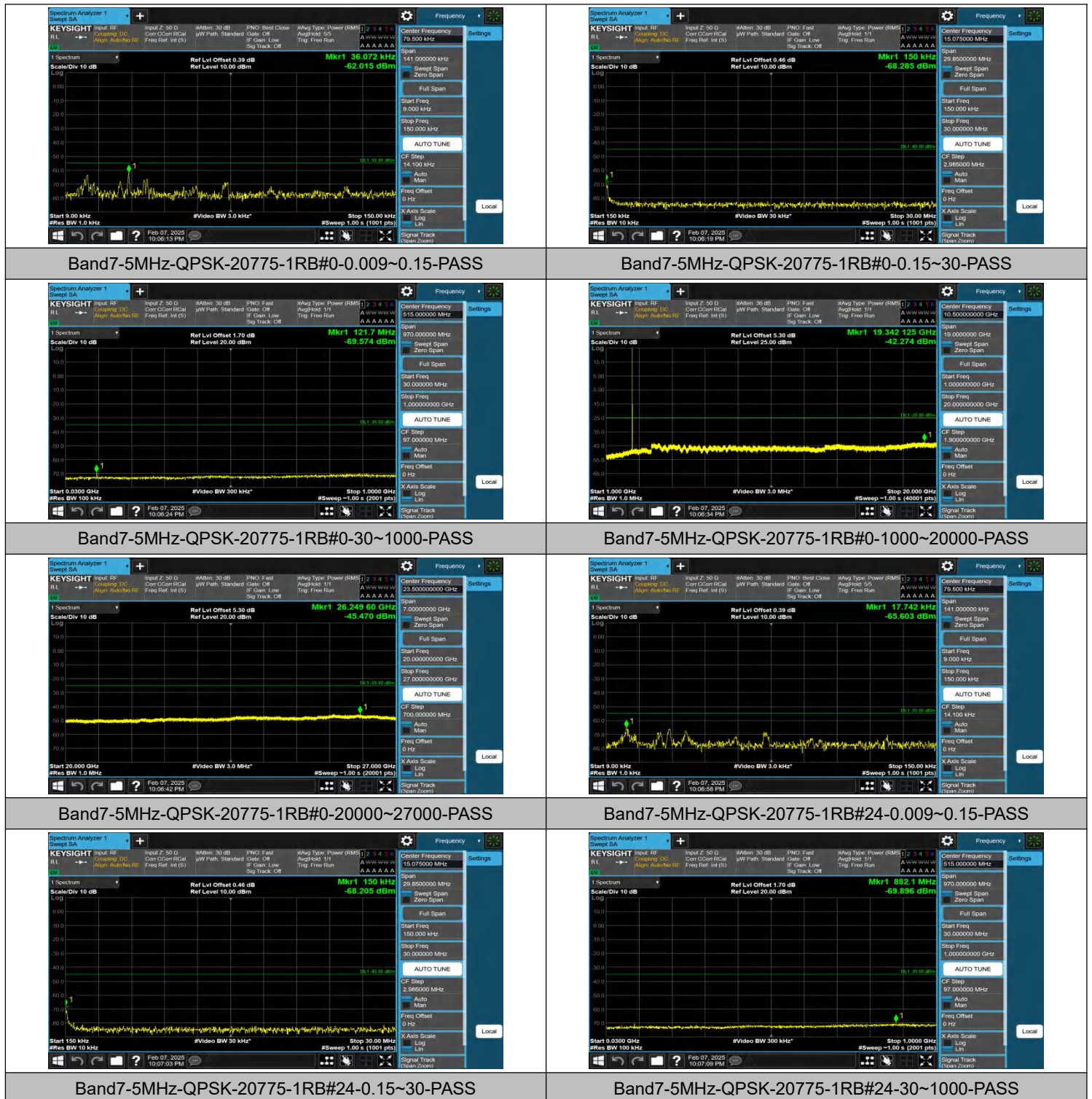
Band7-20MHz-QPSK-21350-100RB#0-PASS

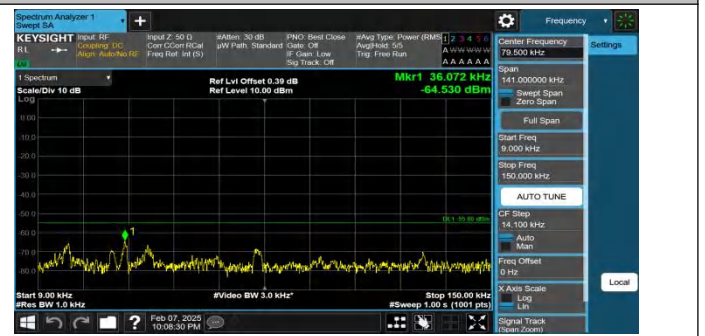
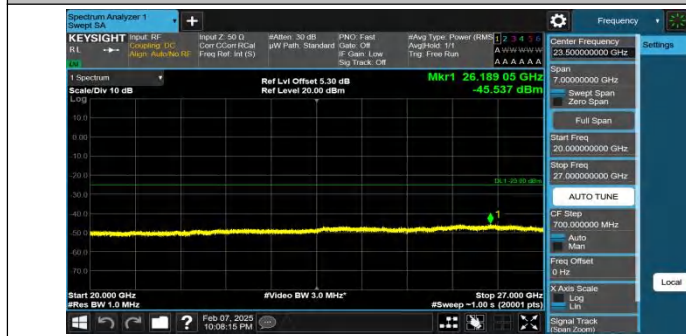
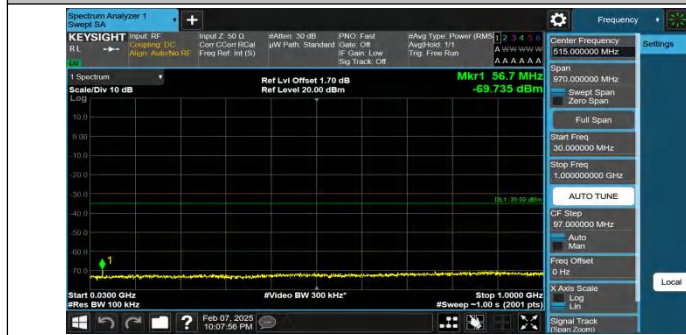
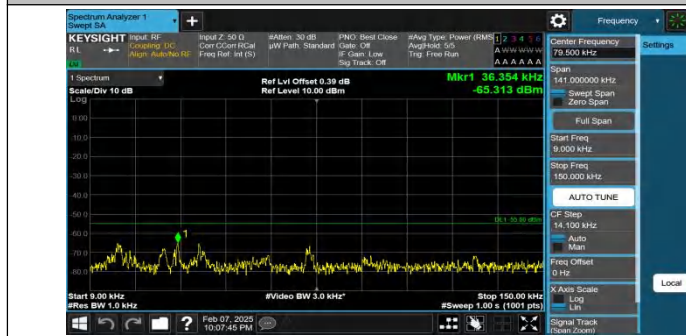
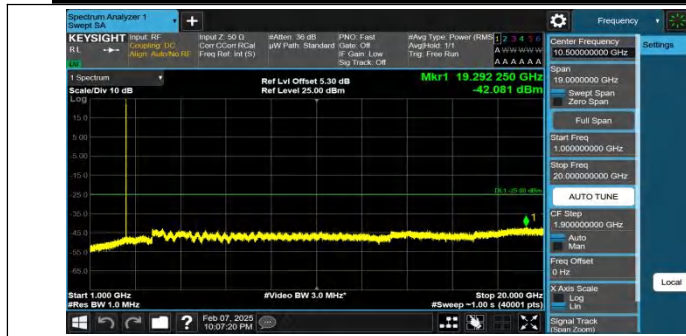


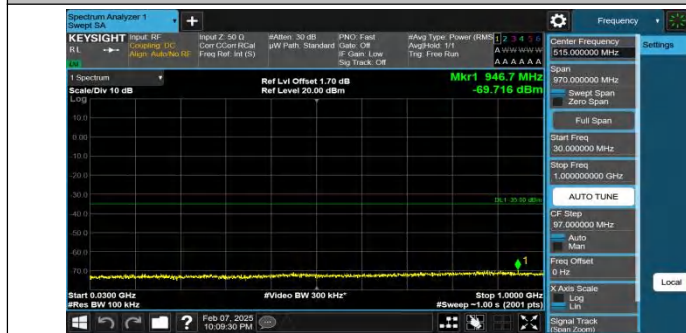
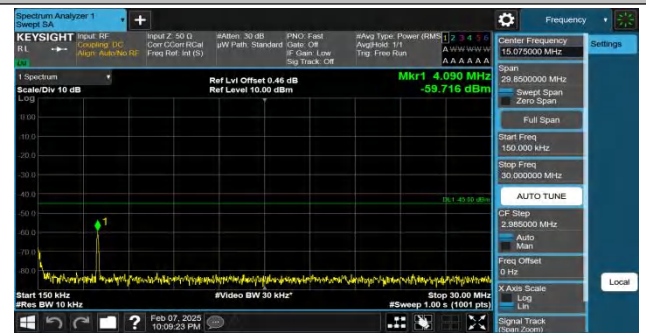
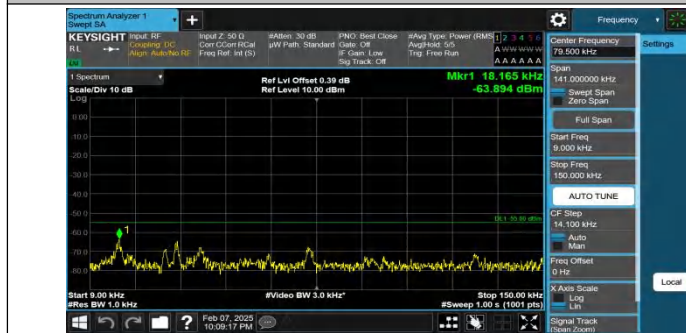
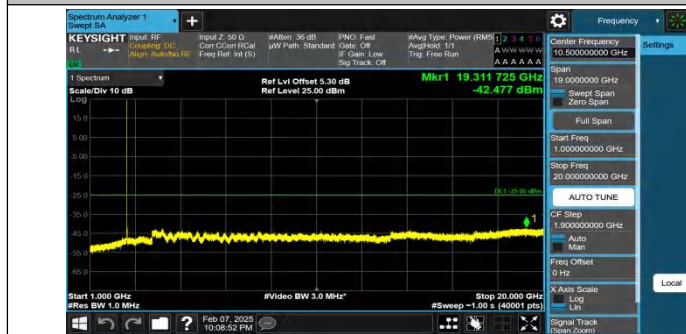
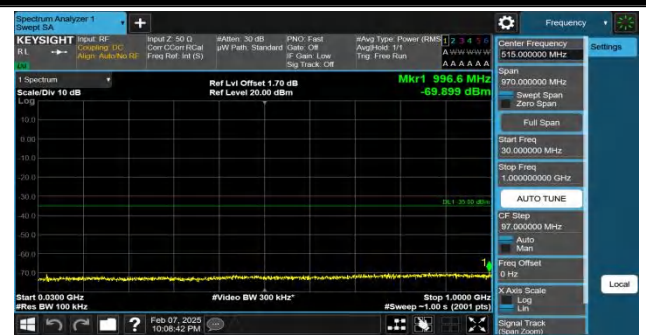
Band7-20MHz-QPSK-21350-1RB#99-PASS

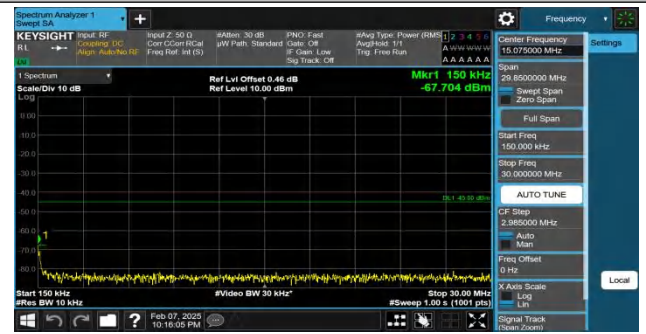
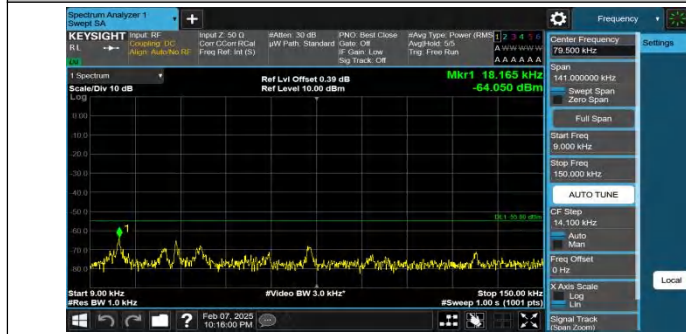
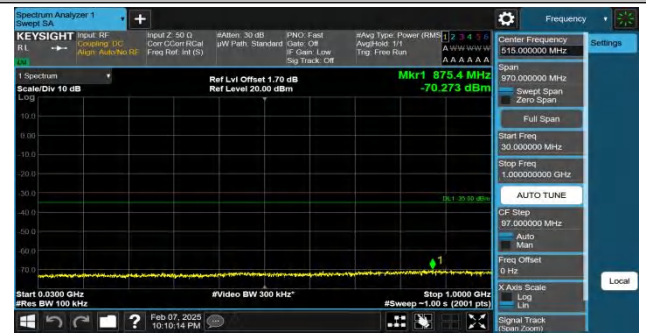
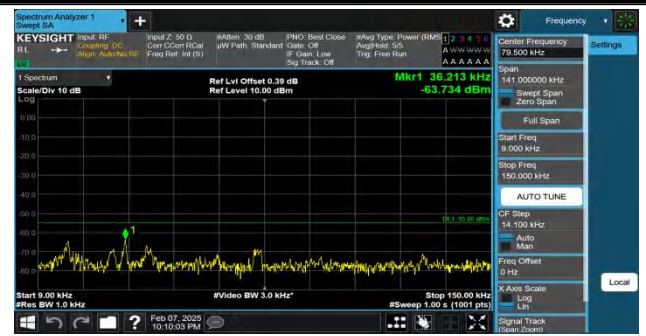
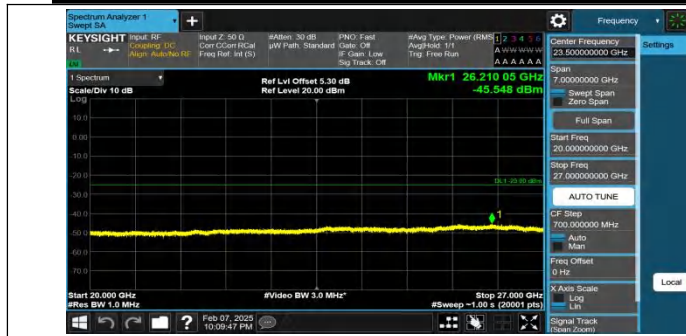
Conducted Spurious Emission

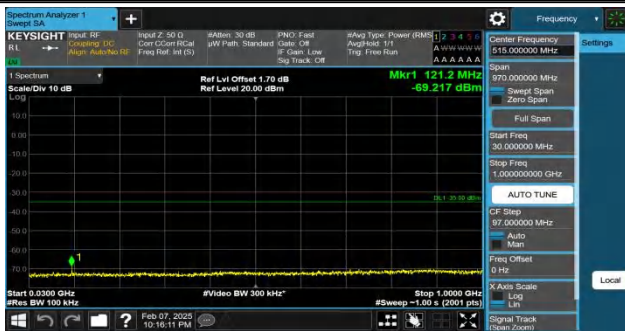
Test Graphs











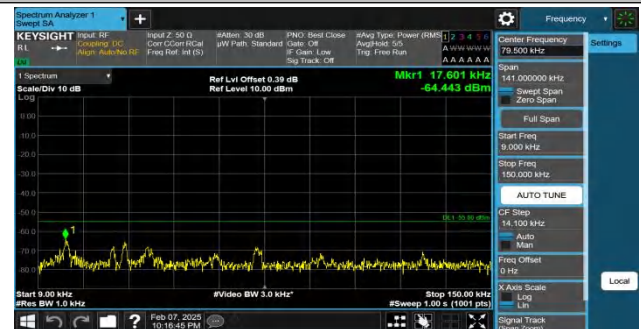
Band7-10MHz-QPSK-20800-1RB#0-30~1000-PASS



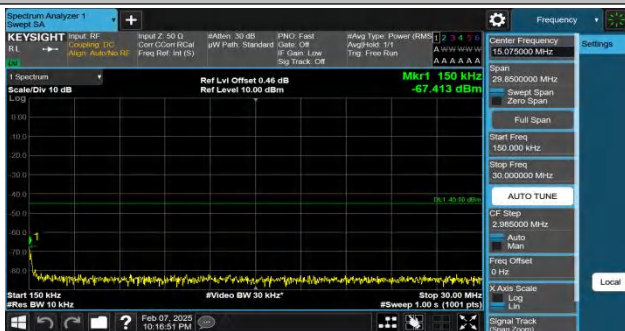
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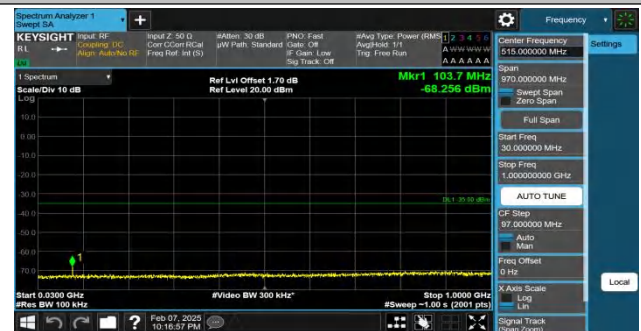
Band7-10MHz-QPSK-20800-1RB#0-20000~27000-PASS



Band7-10MHz-QPSK-20800-1RB#49-0.009~0.15-PASS



Band7-10MHz-QPSK-20800-1RB#49-0.15~30-PASS



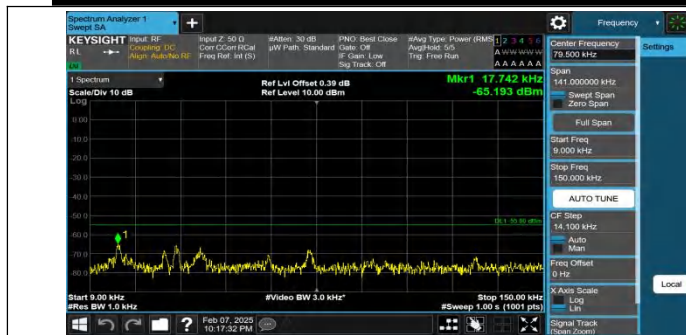
Band7-10MHz-QPSK-20800-1RB#49-30~1000-PASS



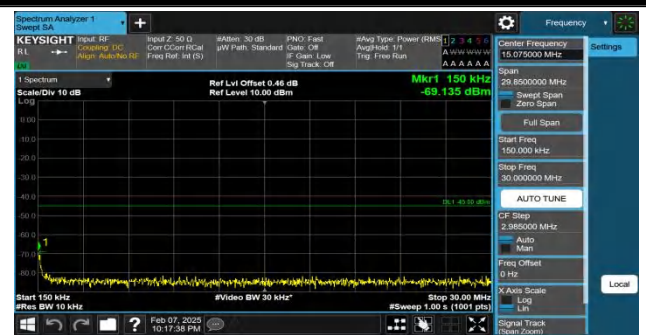
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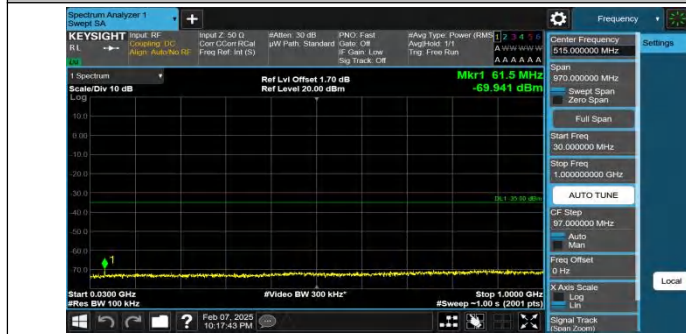
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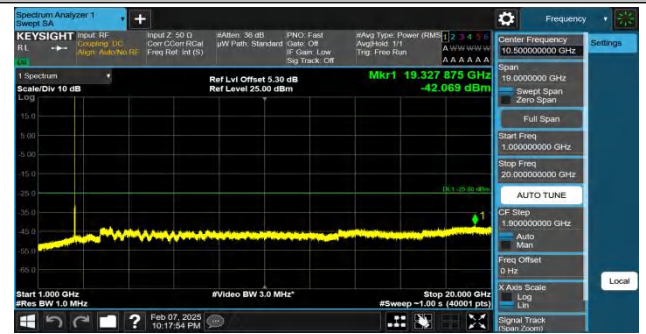
Band7-10MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-21100-1RB#0-0.15~30-PASS



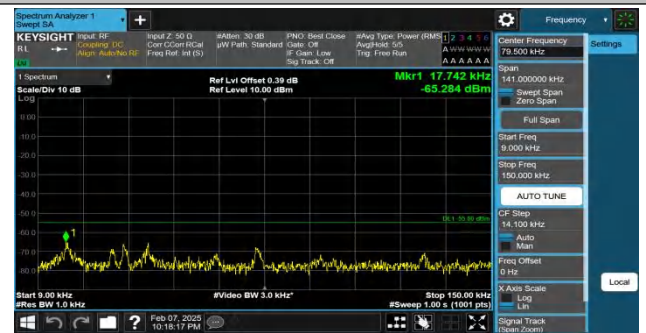
Band7-10MHz-QPSK-21100-1RB#0-30~1000-PASS



Band7-10MHz-QPSK-21100-1RB#0-1000~20000-PASS



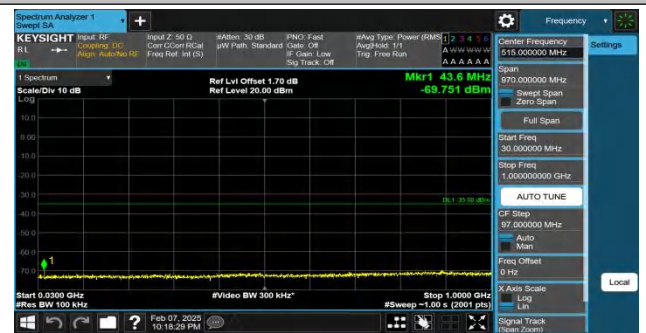
Band7-10MHz-QPSK-21100-1RB#0-20000~27000-PASS



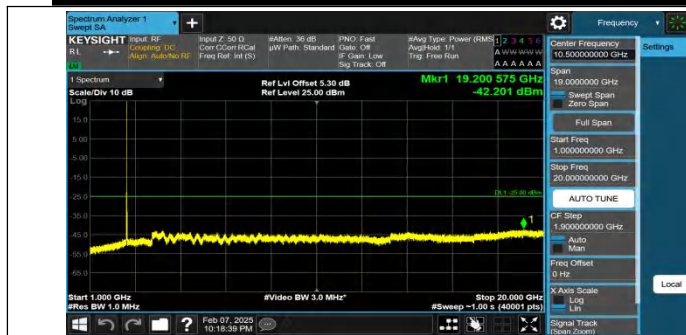
Band7-10MHz-QPSK-21100-1RB#49-0.009~0.15-PASS



Band7-10MHz-QPSK-21100-1RB#49-0.15~30-PASS



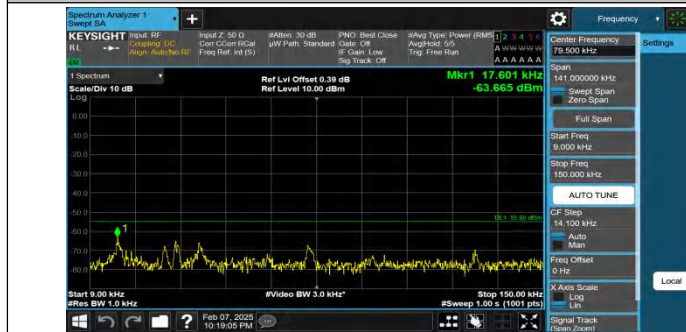
Band7-10MHz-QPSK-21100-1RB#49-30~1000-PASS



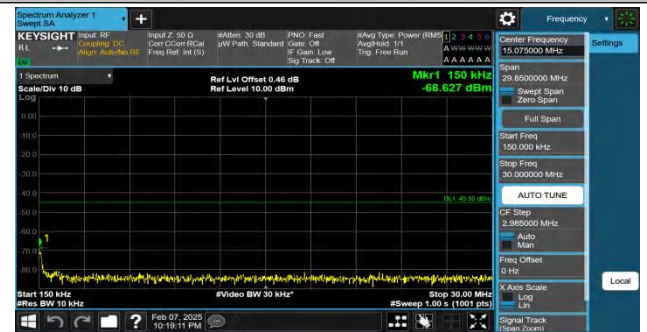
Band7-10MHz-QPSK-21100-1RB#49-1000~20000-PASS



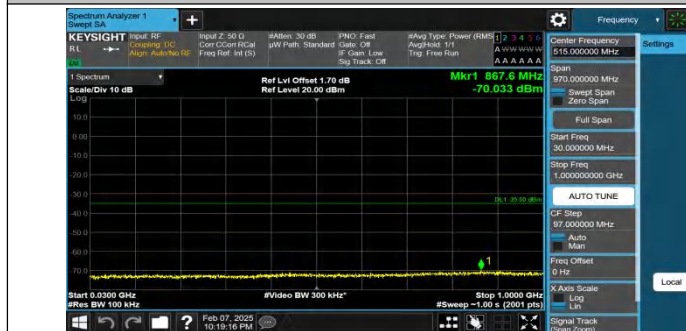
Band7-10MHz-QPSK-21100-1RB#49-20000~27000-PASS



Band7-10MHz-QPSK-21400-1RB#0-0.009~0.15-PASS



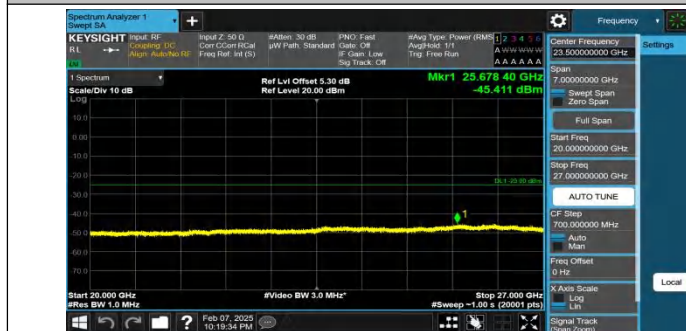
Band7-10MHz-QPSK-21400-1RB#0-0.15~30-PASS



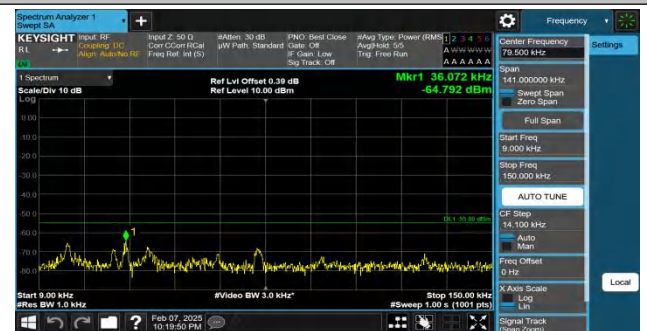
Band7-10MHz-QPSK-21400-1RB#0-30~1000-PASS



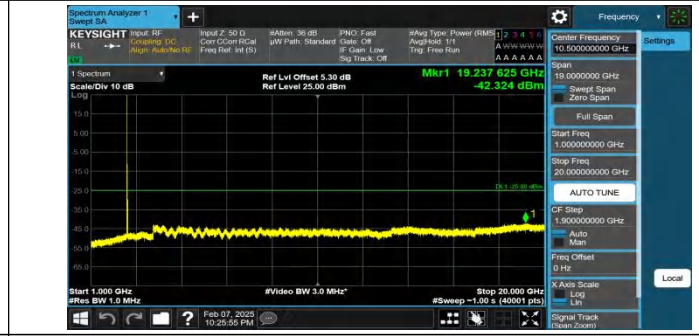
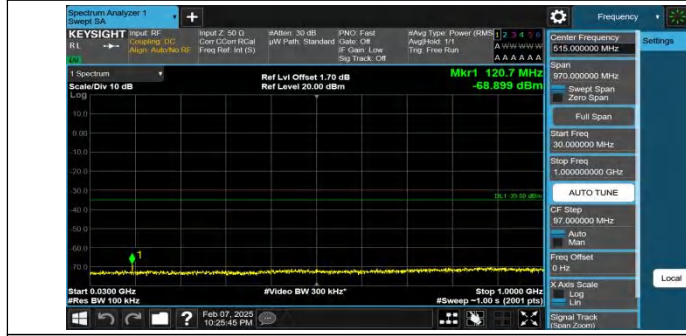
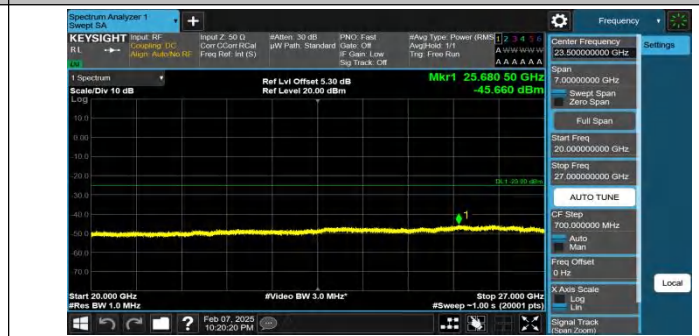
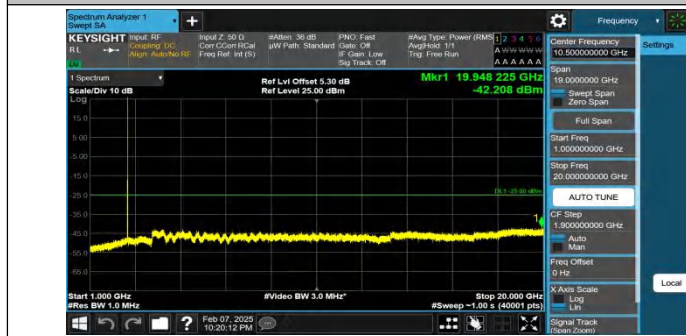
Band7-10MHz-QPSK-21400-1RB#0-1000~20000-PASS

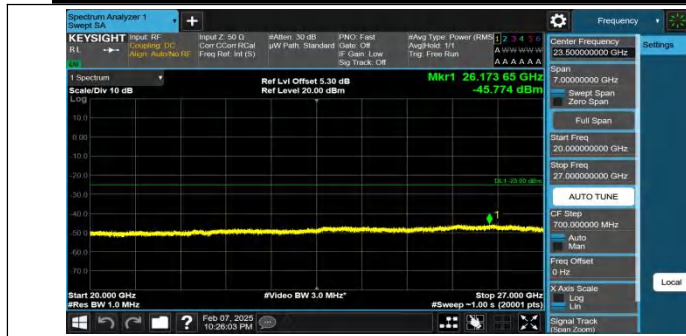


Band7-10MHz-QPSK-21400-1RB#0-20000~27000-PASS

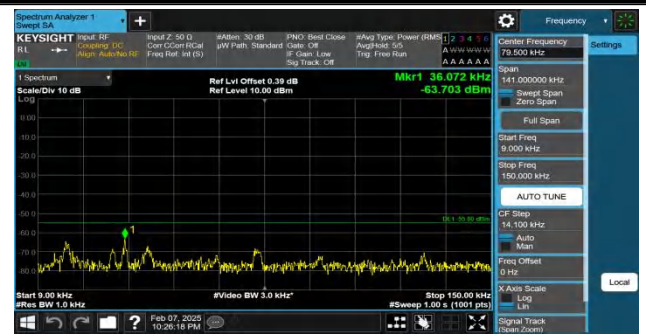


Band7-10MHz-QPSK-21400-1RB#49-0.009~0.15-PASS

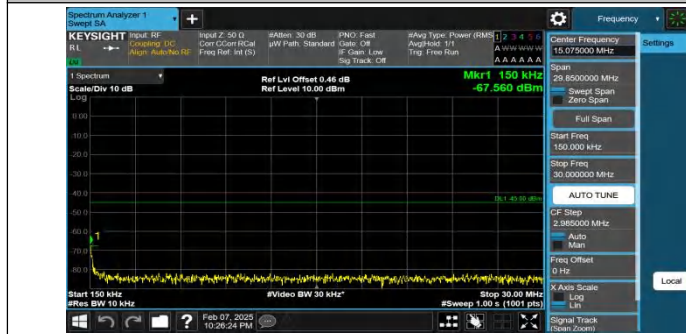




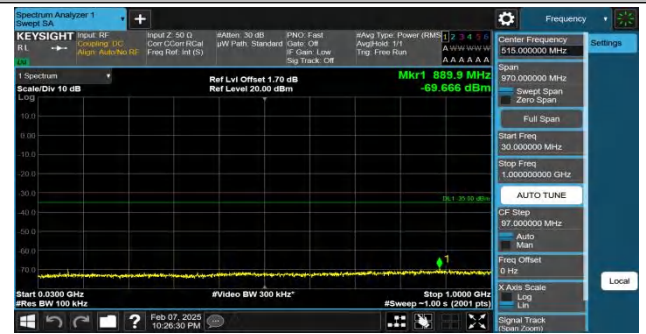
Band7-15MHz-QPSK-20825-1RB#0-20000~27000-PASS



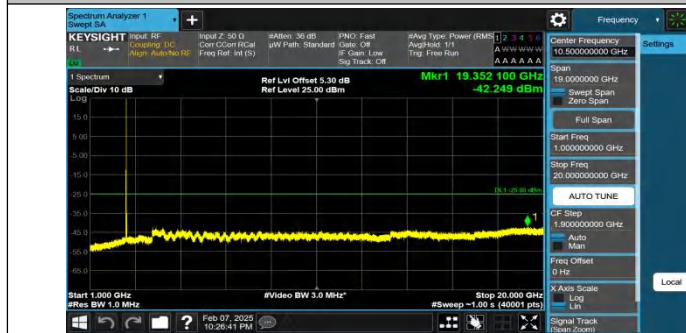
Band7-15MHz-QPSK-20825-1RB#74-0.009~0.15-PASS



Band7-15MHz-QPSK-20825-1RB#74-0.15~30-PASS



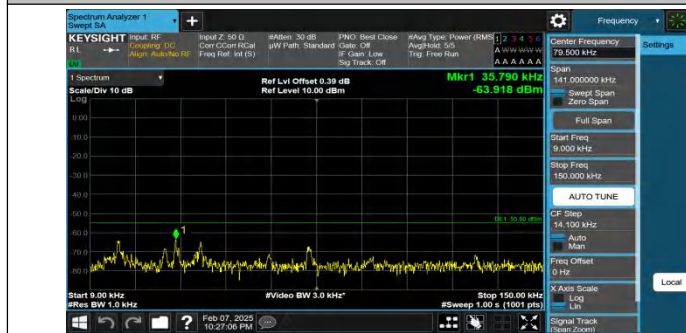
Band7-15MHz-QPSK-20825-1RB#74-30~1000-PASS



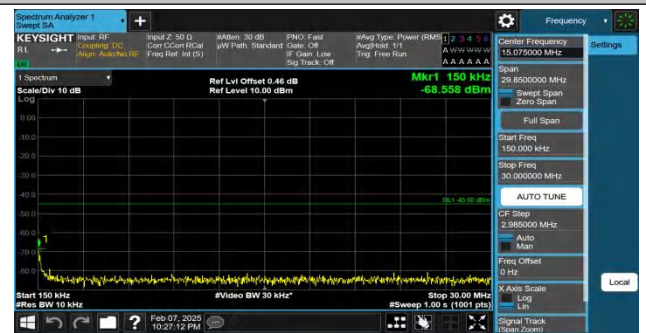
Band7-15MHz-QPSK-20825-1RB#74-1000~20000-PASS



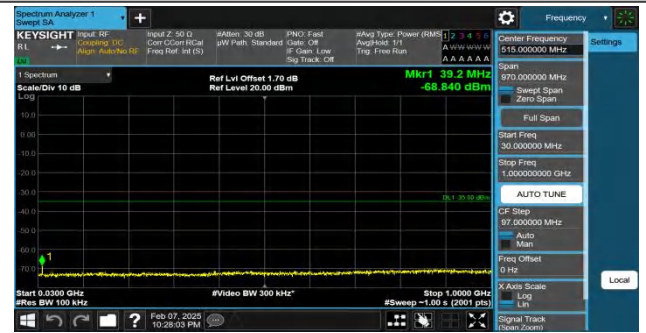
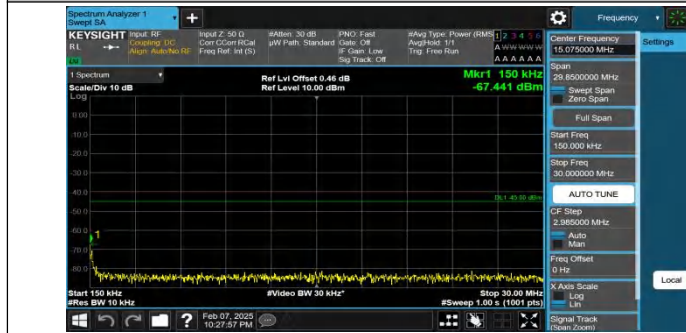
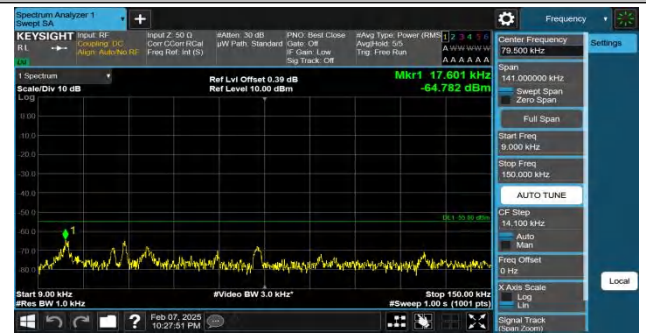
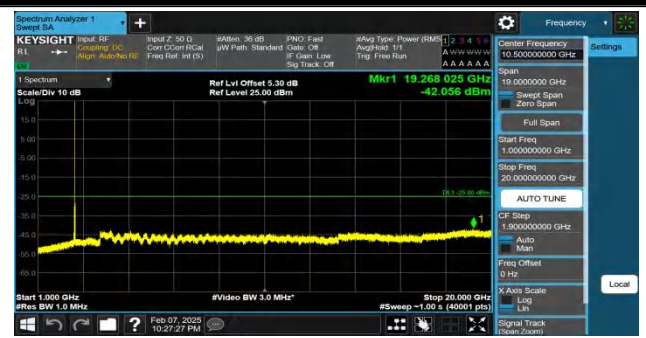
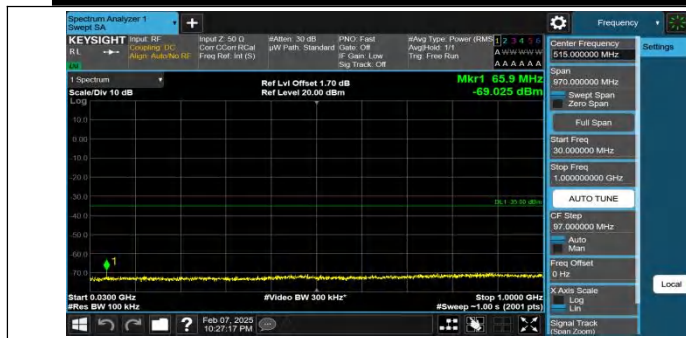
Band7-15MHz-QPSK-20825-1RB#74-20000~27000-PASS

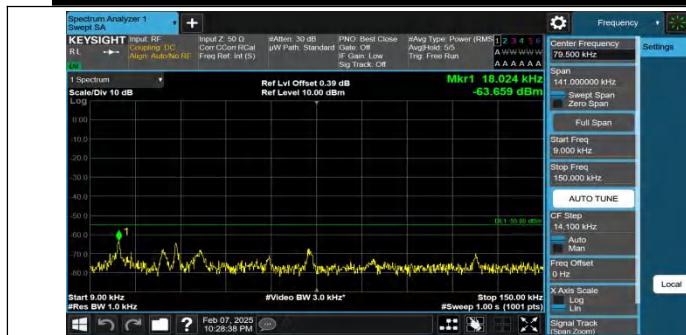


Band7-15MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-15MHz-QPSK-21100-1RB#0-0.15~30-PASS

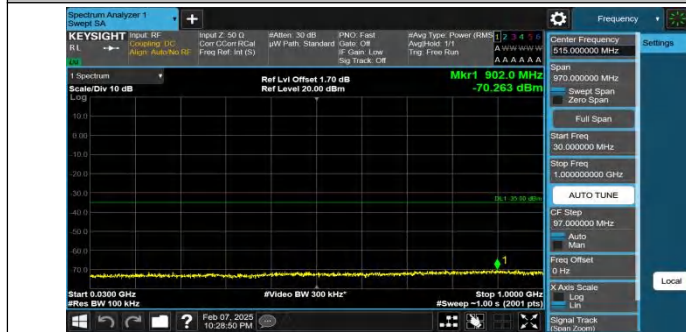




Band7-15MHz-QPSK-21375-1RB#0-0.009~0.15-PASS



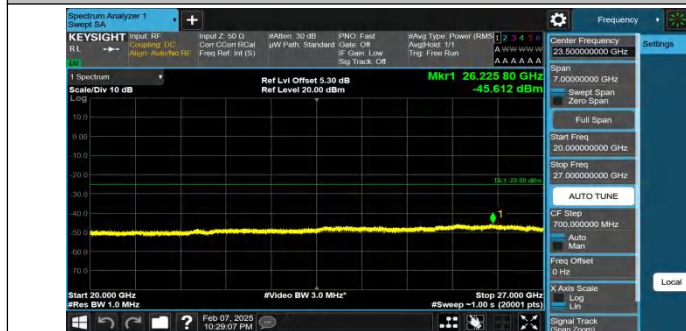
Band7-15MHz-QPSK-21375-1RB#0-0.15~30-PASS



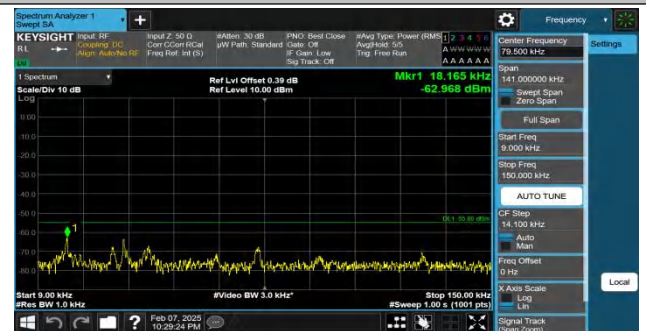
Band7-15MHz-QPSK-21375-1RB#0-30~1000-PASS



Band7-15MHz-QPSK-21375-1RB#0-1000~20000-PASS



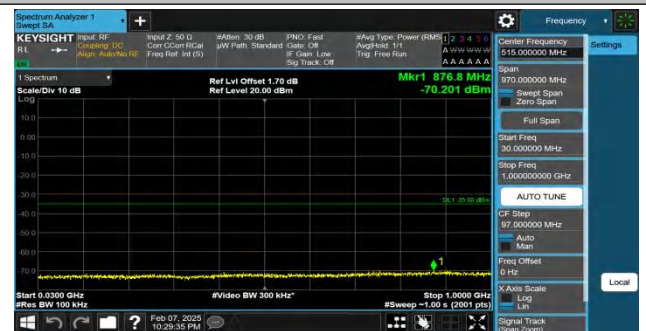
Band7-15MHz-QPSK-21375-1RB#0-20000~27000-PASS



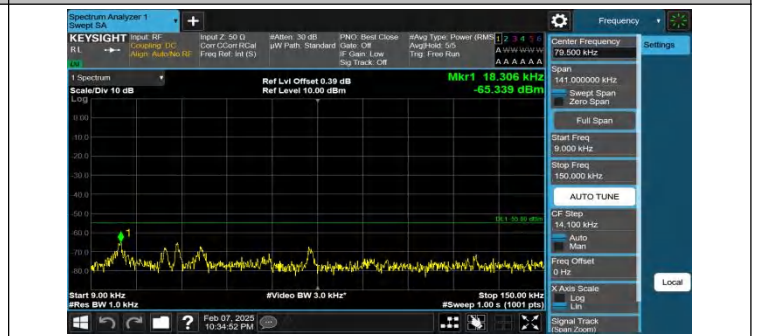
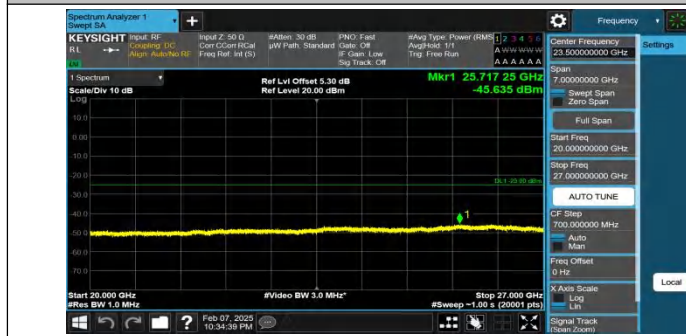
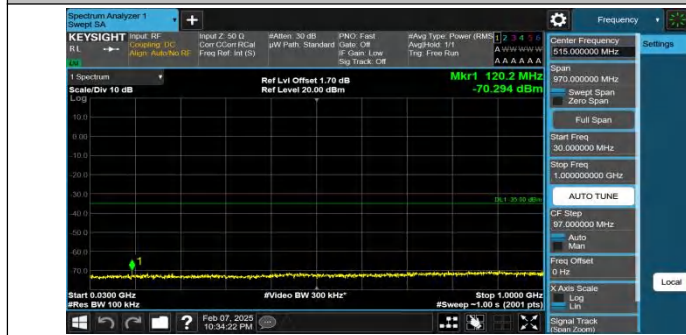
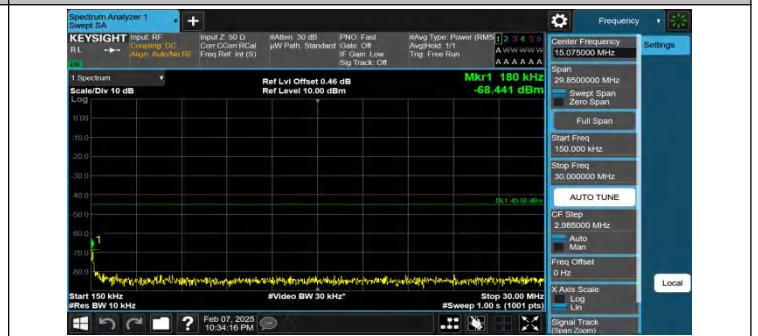
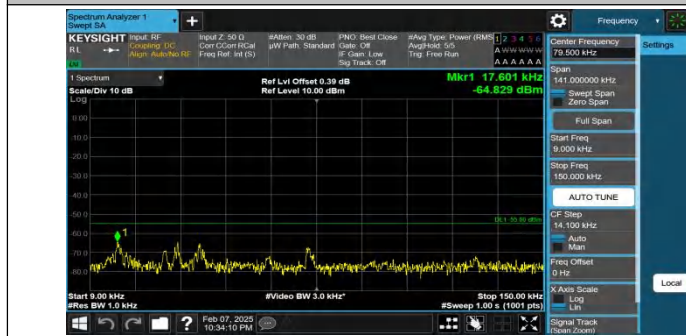
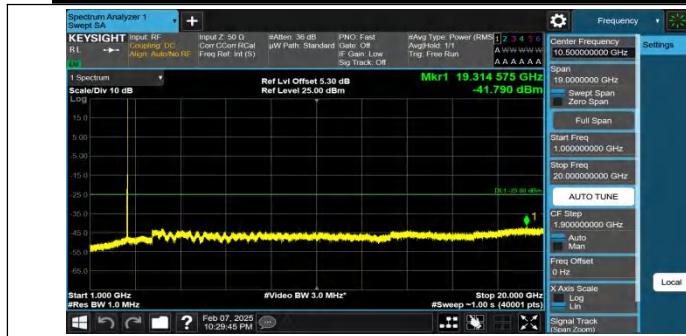
Band7-15MHz-QPSK-21375-1RB#74-0.009~0.15-PASS



Band7-15MHz-QPSK-21375-1RB#74-0.15~30-PASS

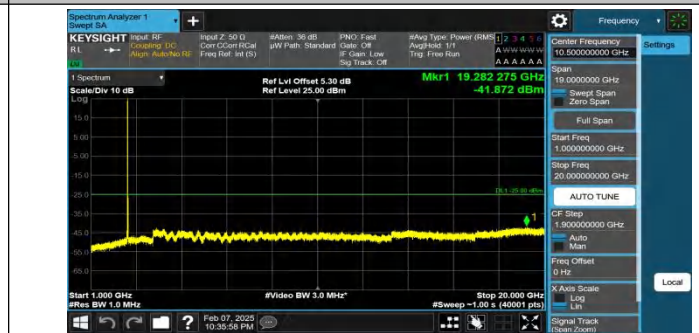
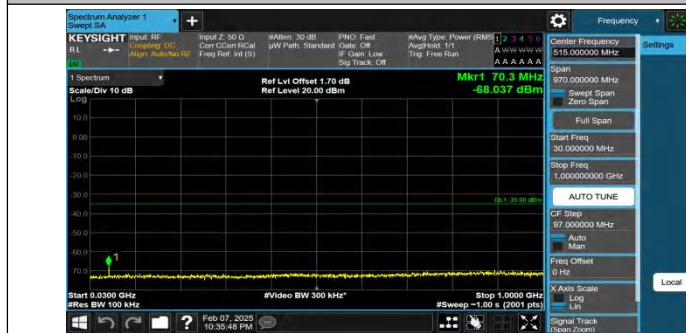
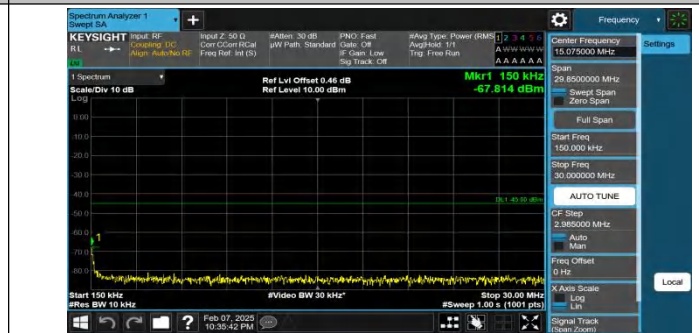
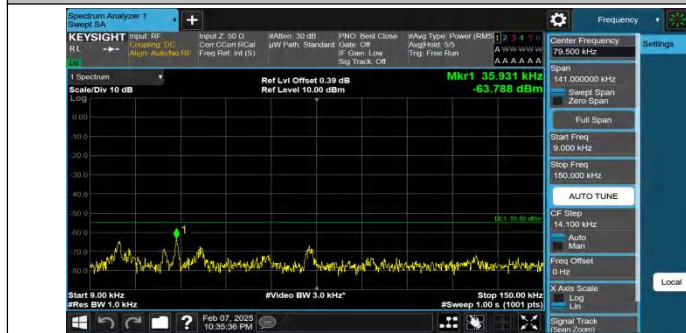
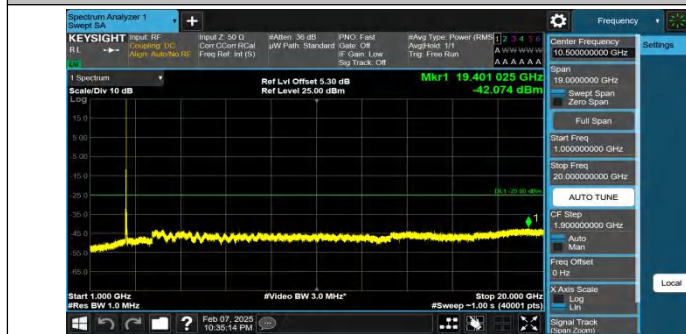
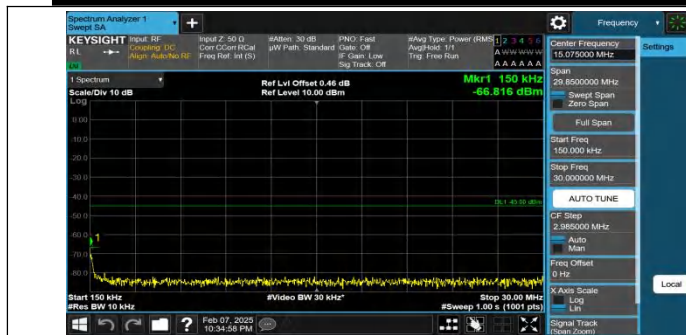


Band7-15MHz-QPSK-21375-1RB#74-30~1000-PASS



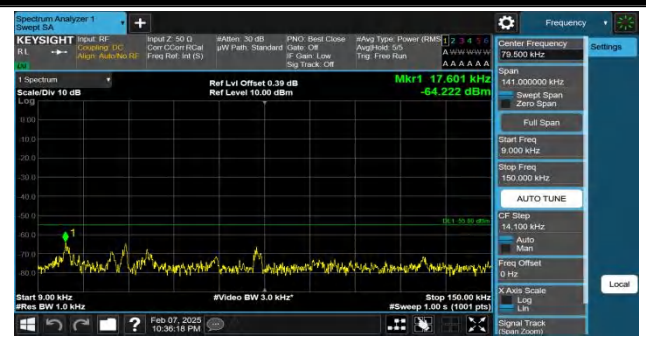
Band7-20MHz-QPSK-20850-1RB#0-20000~27000-PASS

Band7-20MHz-QPSK-20850-1RB#99-0.009~0.15-PASS

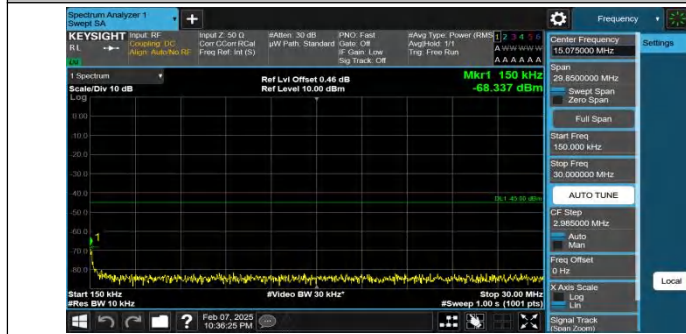




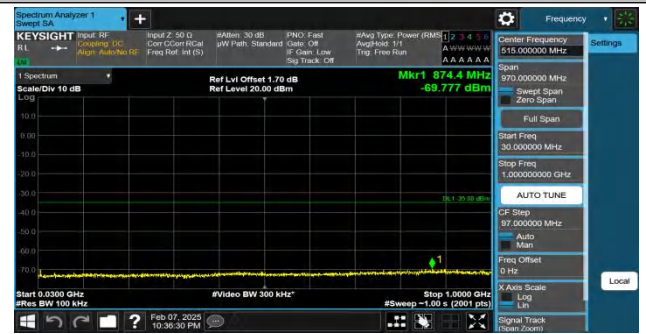
Band7-20MHz-QPSK-21100-1RB#0-20000~27000-PASS



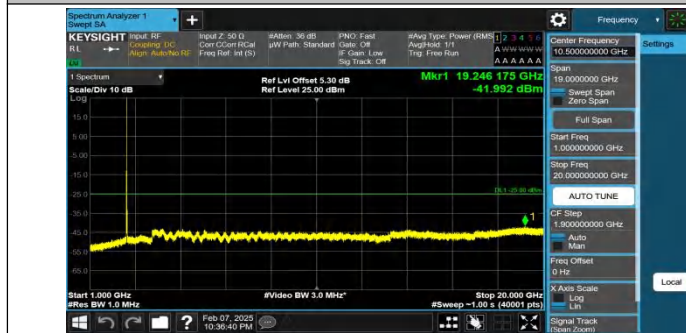
Band7-20MHz-QPSK-21100-1RB#99-0.009~0.15-PASS



Band7-20MHz-QPSK-21100-1RB#99-0.15~30-PASS



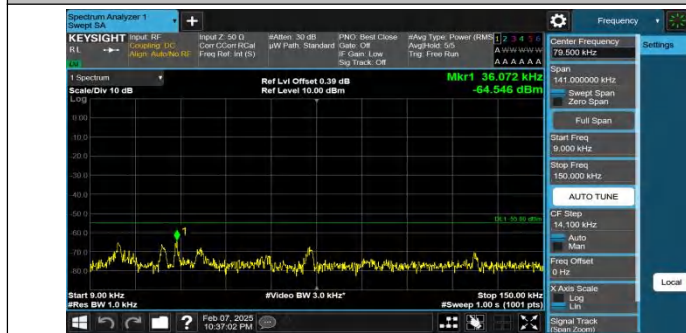
Band7-20MHz-QPSK-21100-1RB#99-30~1000-PASS



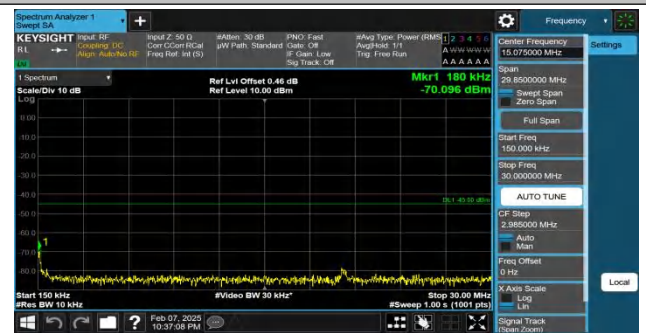
Band7-20MHz-QPSK-21100-1RB#99-1000~20000-PASS



Band7-20MHz-QPSK-21100-1RB#99-20000~27000-PASS



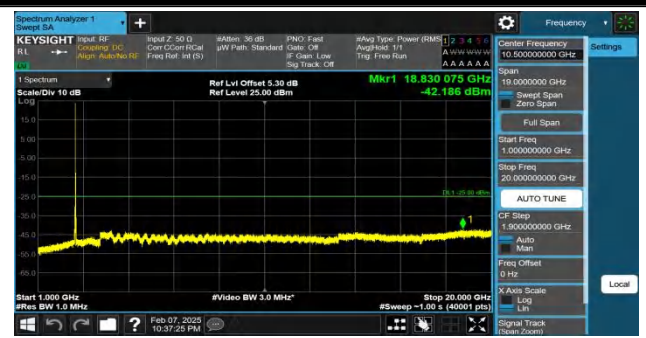
Band7-20MHz-QPSK-21350-1RB#0-0.009~0.15-PASS



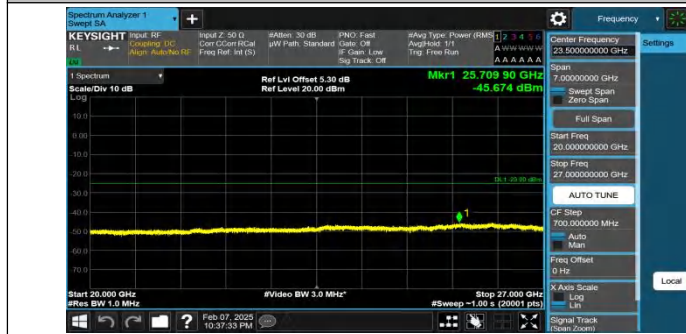
Band7-20MHz-QPSK-21350-1RB#0-0.15~30-PASS



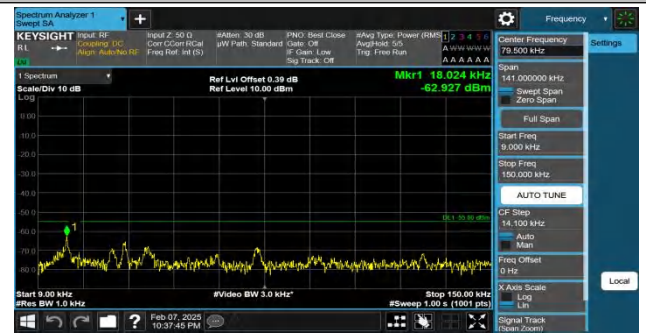
Band7-20MHz-QPSK-21350-1RB#0-30~1000-PASS



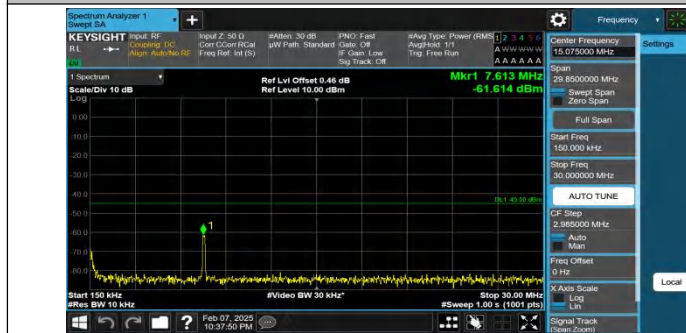
Band7-20MHz-QPSK-21350-1RB#0-1000~20000-PASS



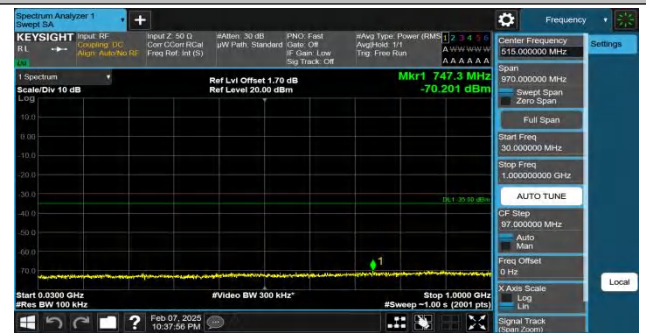
Band7-20MHz-QPSK-21350-1RB#0-20000~27000-PASS



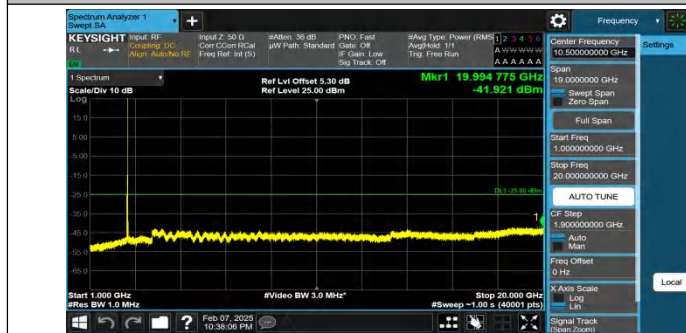
Band7-20MHz-QPSK-21350-1RB#99-0.009~0.15-PASS



Band7-20MHz-QPSK-21350-1RB#99-0.15~30-PASS



Band7-20MHz-QPSK-21350-1RB#99-30~1000-PASS



Band7-20MHz-QPSK-21350-1RB#99-1000~20000-PASS



Band7-20MHz-QPSK-21350-1RB#99-20000~27000-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 7	20MHz	QPSK	21100	100RB#0	VN	NT	3690.00	1.455621	±NA	2526.09419	2543.91319	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	VL	NT	8430.00	3.325444	±NA	2526.10293	2543.91393	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	VH	NT	8720.00	3.439842	±NA	2526.10222	2543.91522	2500-2570	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 7	20MHz	QPSK	21100	100RB#0	NV	-30	13680.00	5.396450	±NA	2526.10418	2543.92318	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	-20	7570.00	2.986193	±NA	2526.10407	2543.91107	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	-10	7130.00	2.812623	±NA	2526.10463	2543.90963	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	0	6450.00	2.544379	±NA	2526.09695	2543.91595	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	10	2050.00	0.808679	±NA	2526.09755	2543.90655	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	20	6600.00	2.603550	±NA	2526.1006	2543.9126	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	30	7870.00	3.104536	±NA	2526.10187	2543.91387	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	40	5240.00	2.067061	±NA	2526.10374	2543.90674	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	50	4800.00	1.893491	±NA	2526.1013	2543.9083	2500-2570	PASS

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