

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	23.52	4.5	28.02	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.81	4.5	27.31	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.66	4.5	28.16	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.38	4.5	27.88	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.5	4.5	28	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.77	4.5	27.27	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.58	4.5	28.08	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.52	4.5	28.02	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.2	4.5	27.7	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.59	4.5	27.09	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.47	4.5	27.97	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.01	4.5	27.51	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.08	4.5	27.58	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.88	4.5	26.38	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.76	4.5	27.26	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.41	4.5	26.91	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.65	4.5	27.15	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.71	4.5	26.21	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.72	4.5	27.22	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.87	4.5	27.37	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.59	4.5	27.09	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.71	4.5	26.21	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.66	4.5	27.16	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.79	4.5	27.29	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.07	4.5	27.57	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.93	4.5	27.43	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.37	4.5	27.87	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.26	4.5	27.76	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.49	4.5	27.99	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.85	4.5	27.35	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.55	4.5	28.05	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.56	4.5	28.06	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.31	4.5	27.81	33	PASS

Band7	10MHz	QPSK	21400	50RB#0	22.72	4.5	27.22	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.62	4.5	28.12	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.51	4.5	28.01	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.79	4.5	27.29	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.96	4.5	26.46	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.14	4.5	27.64	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.67	4.5	27.17	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.54	4.5	27.04	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.81	4.5	26.31	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.04	4.5	27.54	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.96	4.5	27.46	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.21	4.5	27.71	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.64	4.5	26.14	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.4	4.5	27.9	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	23.09	4.5	27.59	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.4	4.5	27.9	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.83	4.5	27.33	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.42	4.5	27.92	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.23	4.5	27.73	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.28	4.5	27.78	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.88	4.5	27.38	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.3	4.5	27.8	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.37	4.5	27.87	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.25	4.5	27.75	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.67	4.5	27.17	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.65	4.5	28.15	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.31	4.5	27.81	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.37	4.5	26.87	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.84	4.5	26.34	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.83	4.5	27.33	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.89	4.5	27.39	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.78	4.5	27.28	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.77	4.5	26.27	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.92	4.5	27.42	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.92	4.5	27.42	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.26	4.5	27.76	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.76	4.5	26.26	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.23	4.5	27.73	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.1	4.5	27.6	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.41	4.5	27.91	33	PASS

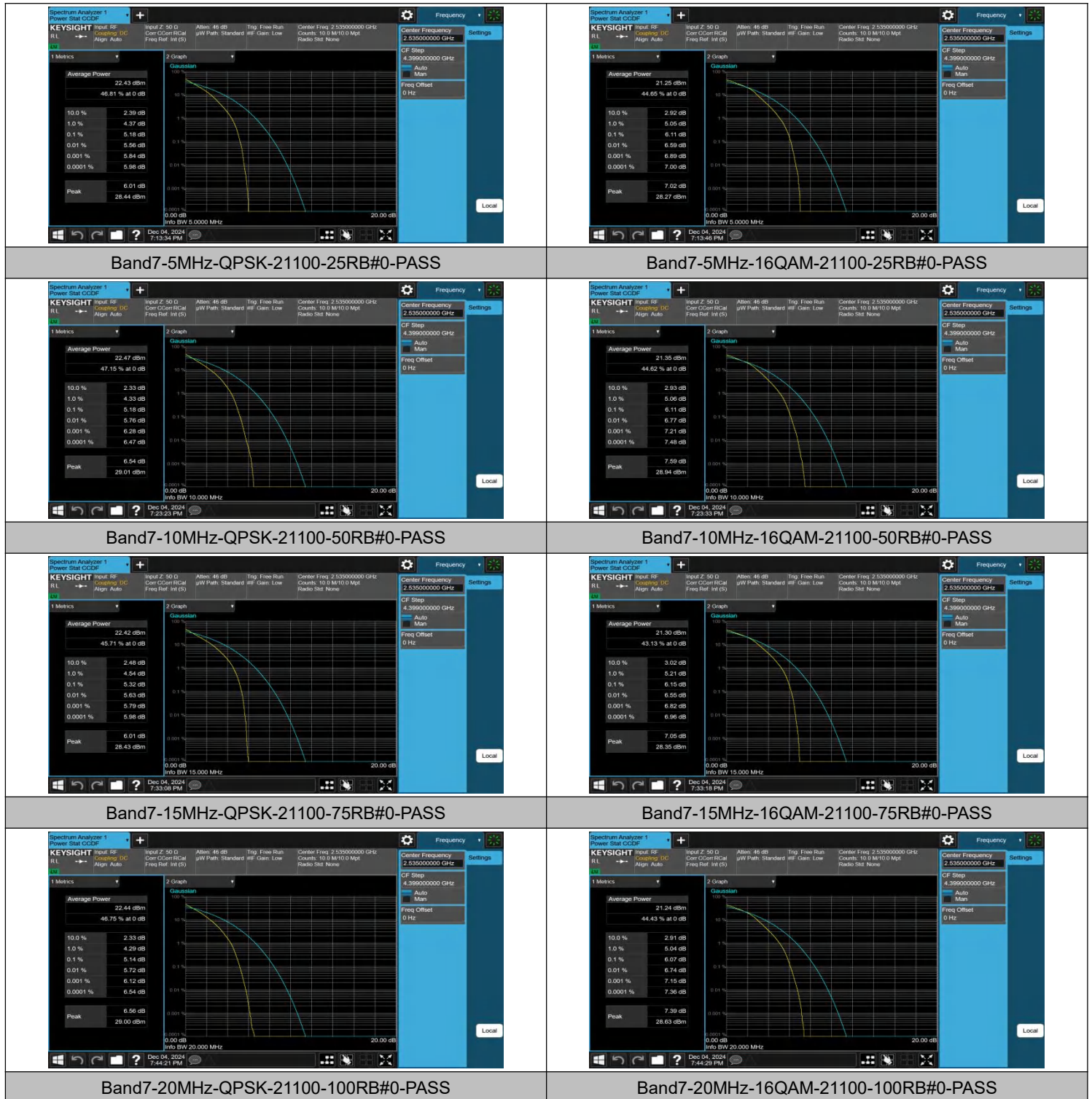
Band7	20MHz	QPSK	20850	100RB#0	22.78	4.5	27.28	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.63	4.5	28.13	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.31	4.5	27.81	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.66	4.5	28.16	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.82	4.5	27.32	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.81	4.5	28.31	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.5	4.5	28	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.24	4.5	27.74	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.75	4.5	27.25	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.39	4.5	27.89	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.28	4.5	27.78	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.43	4.5	26.93	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.61	4.5	26.11	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.35	4.5	27.85	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.79	4.5	27.29	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.43	4.5	27.93	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.69	4.5	26.19	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.52	4.5	28.02	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	23.17	4.5	27.67	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.64	4.5	27.14	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.74	4.5	26.24	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.52	4.5	27.02	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.64	4.5	27.14	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	5.18	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.11	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.18	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.11	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.32	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.15	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.14	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.07	13	PASS

Test Graphs

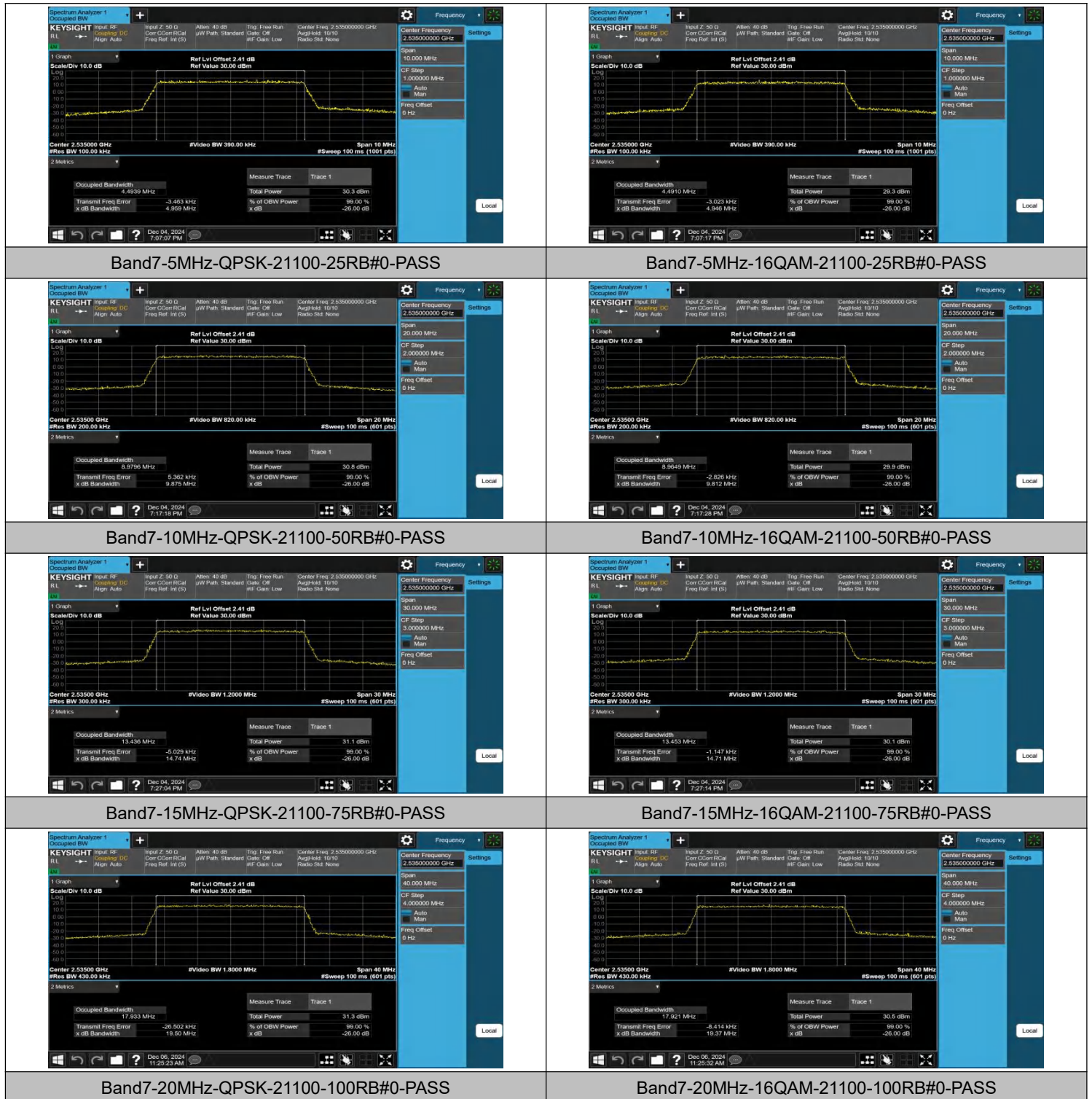


26dB Bandwidth and Occupied Bandwidth

Test Result

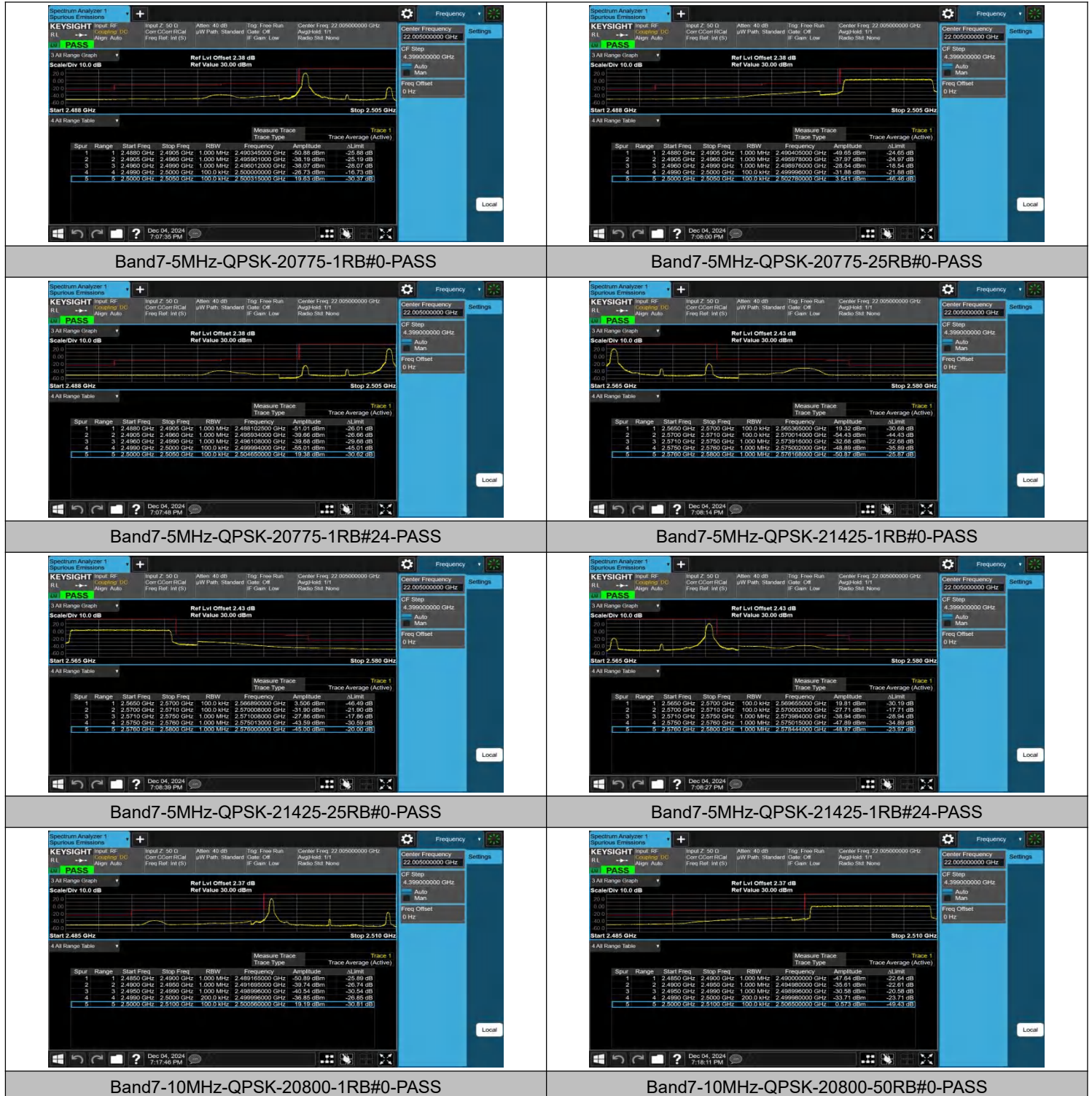
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.4939	4.959	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4910	4.946	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9796	9.875	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9649	9.812	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.436	14.74	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.453	14.71	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.933	19.50	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.921	19.37	PASS

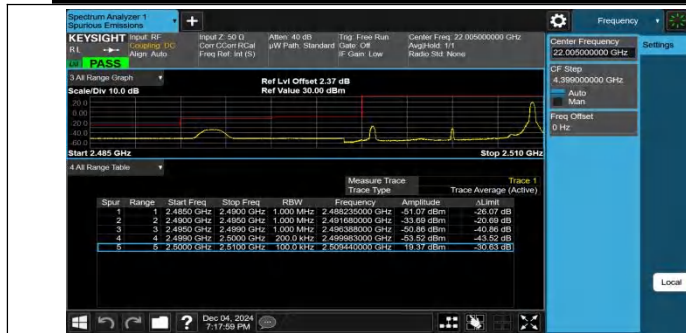
Test Graphs



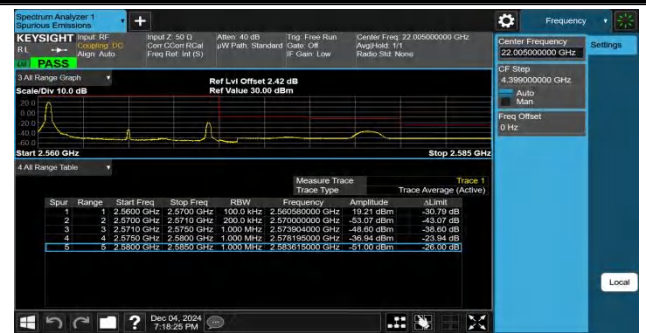
Band Edge

Test Graphs

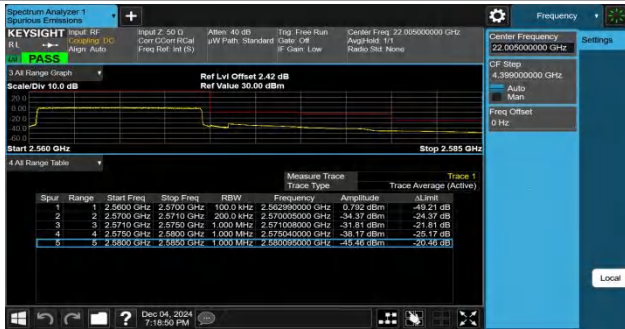




Band7-10MHz-QPSK-20800-1RB#49-PASS



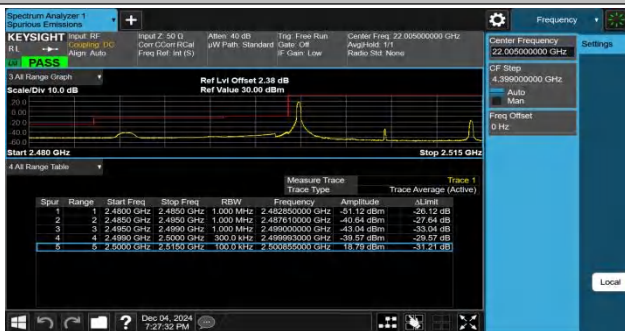
Band7-10MHz-QPSK-21400-1RB#0-PASS



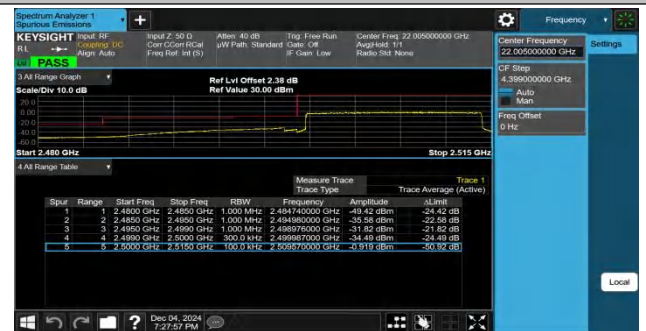
Band7-10MHz-QPSK-21400-50RB#0-PASS



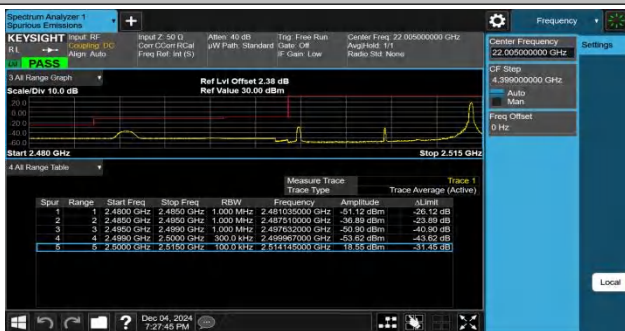
Band7-10MHz-QPSK-21400-1RB#49-PASS



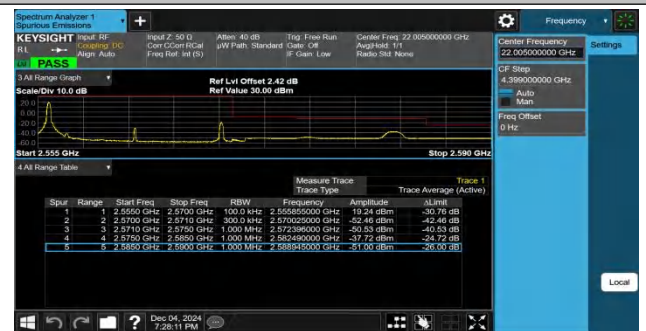
Band7-15MHz-QPSK-20825-1RB#0-PASS



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



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



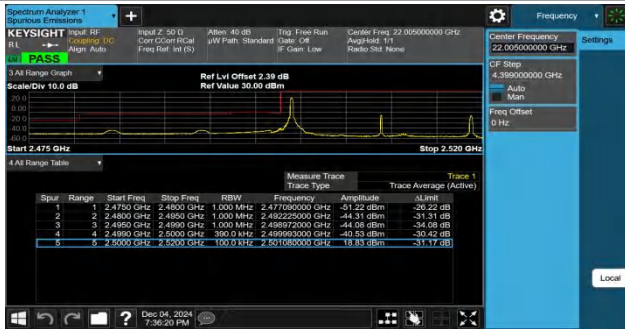
Band7-15MHz-QPSK-21375-1RB#0-PASS



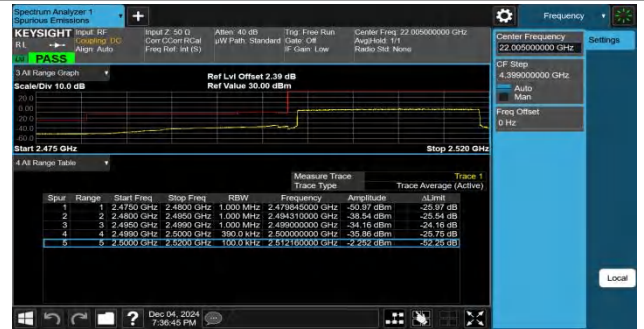
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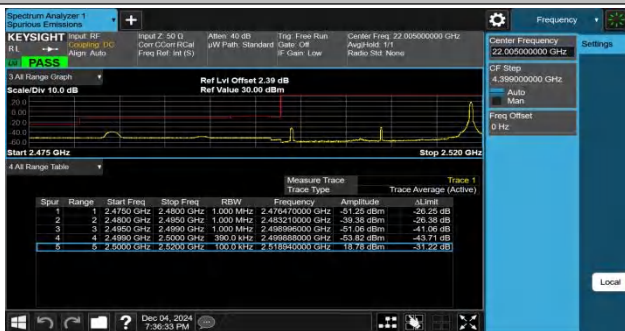
Band7-15MHz-QPSK-21375-1RB#74-PASS



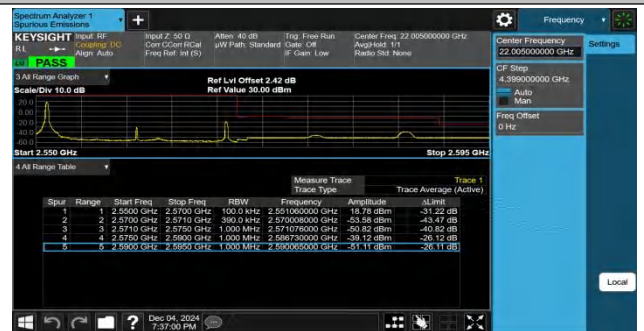
Band7-20MHz-QPSK-20850-1RB#0-PASS



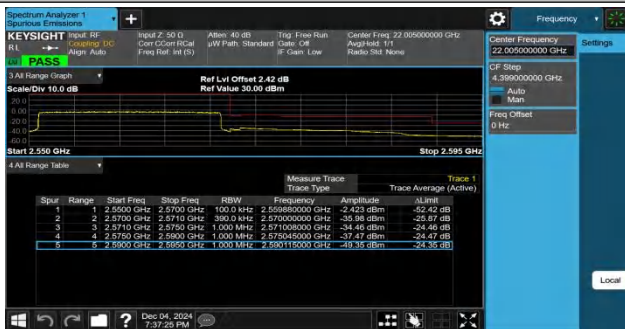
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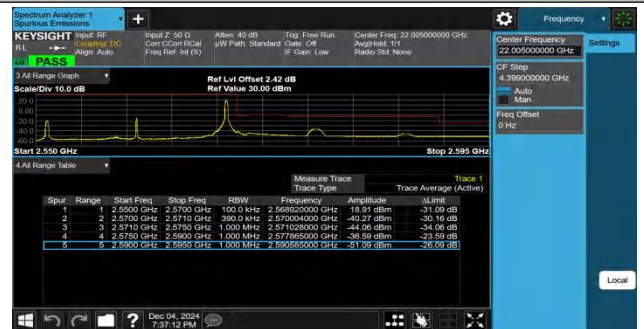
Band7-20MHz-QPSK-20850-1RB#99-PASS



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



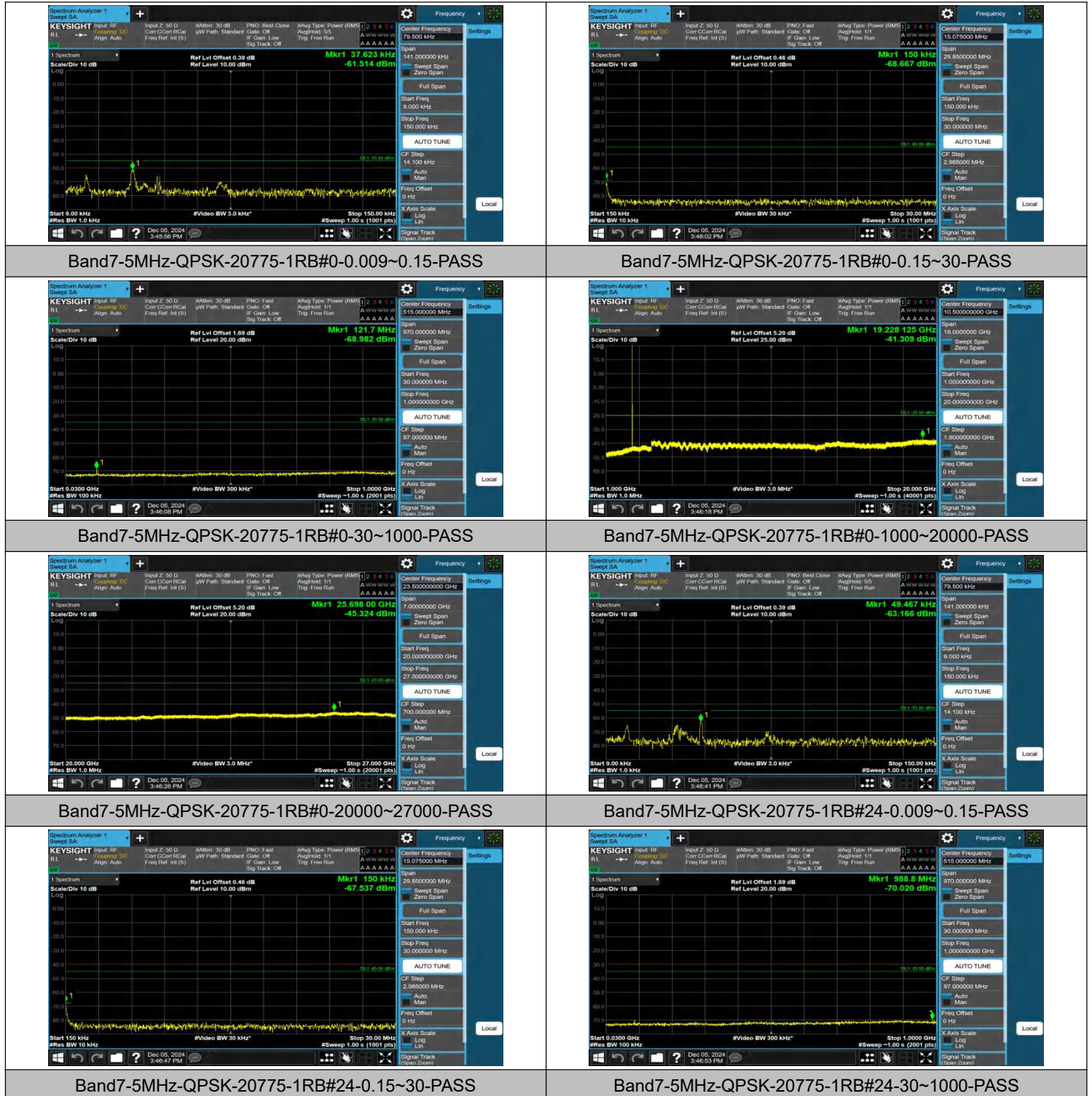
Band7-20MHz-QPSK-21350-100RB#0-PASS

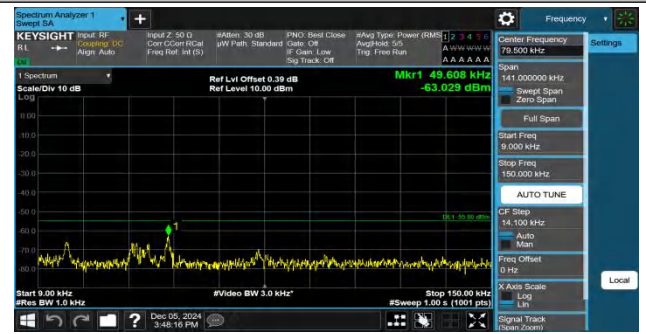
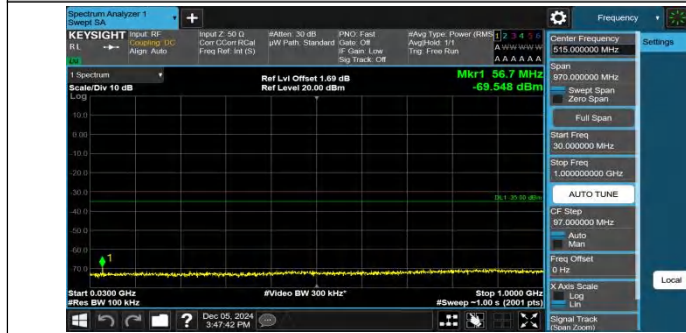
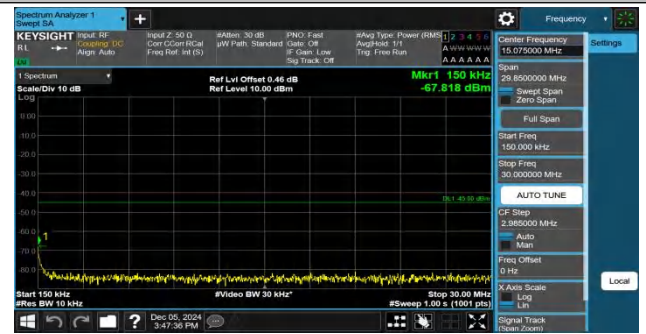
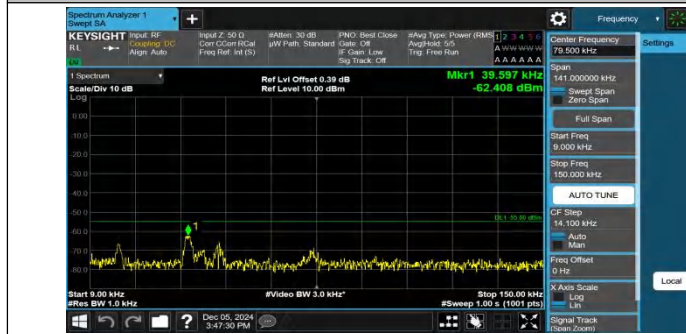
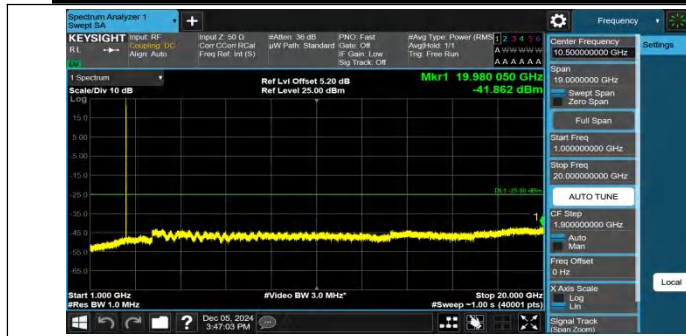


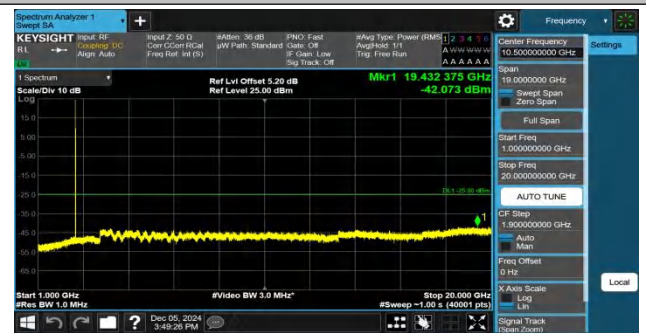
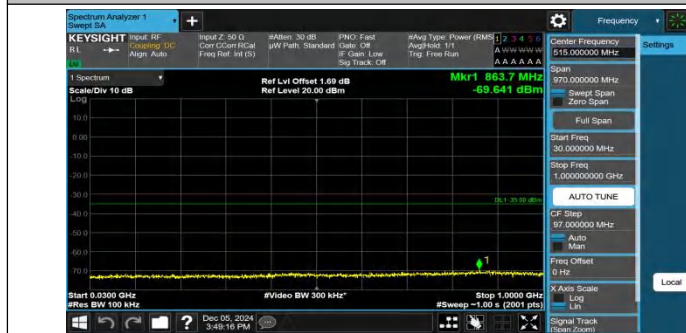
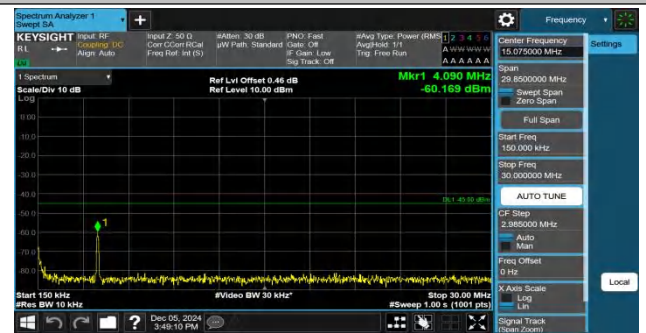
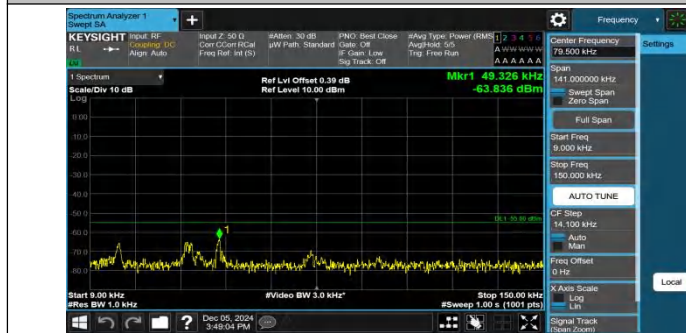
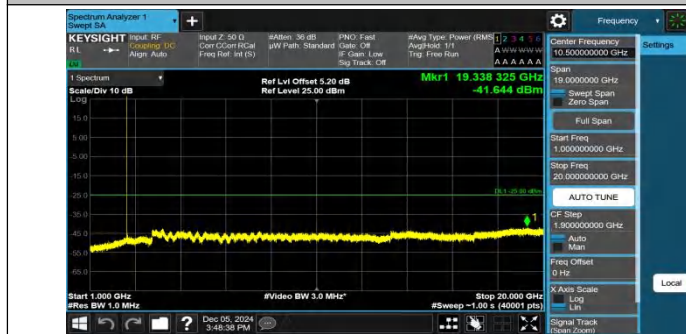
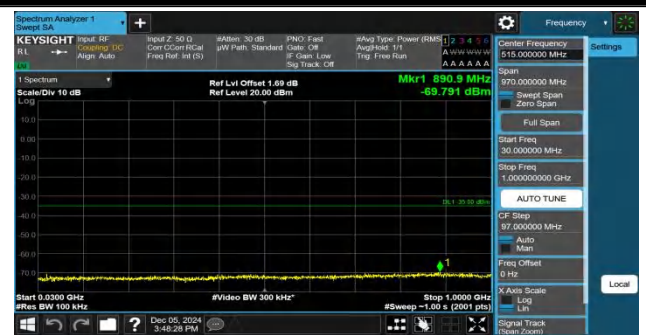
Band7-20MHz-QPSK-21350-1RB#99-PASS

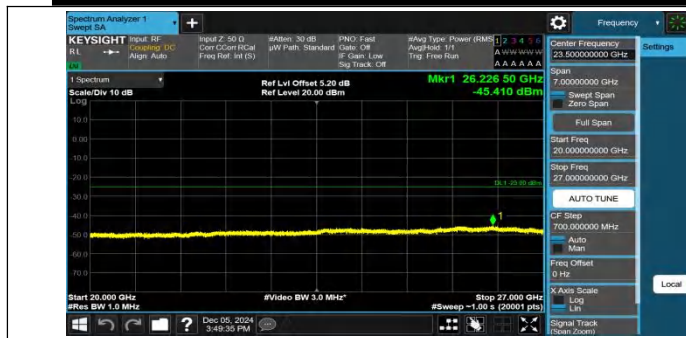
Conducted Spurious Emission

Test Graphs

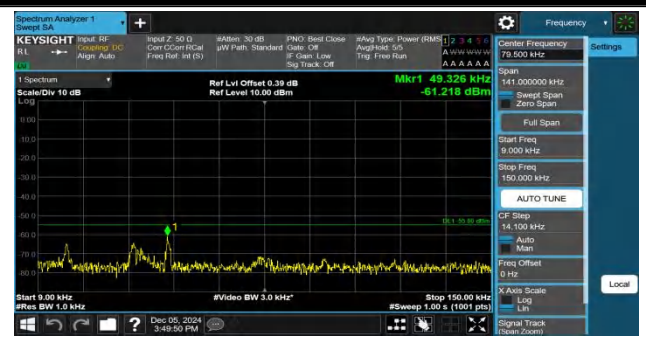




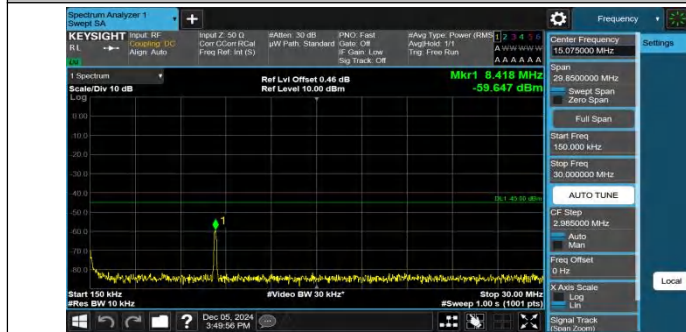




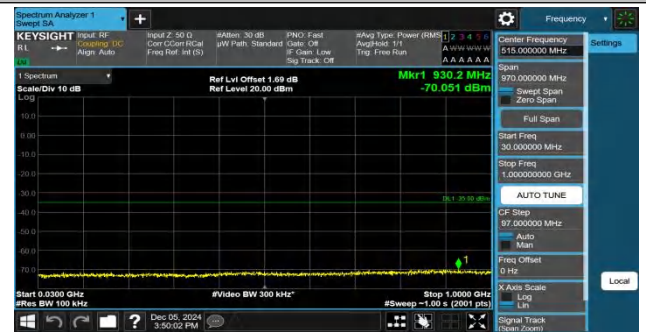
Band7-5MHz-QPSK-21425-1RB#0-20000~27000-PASS



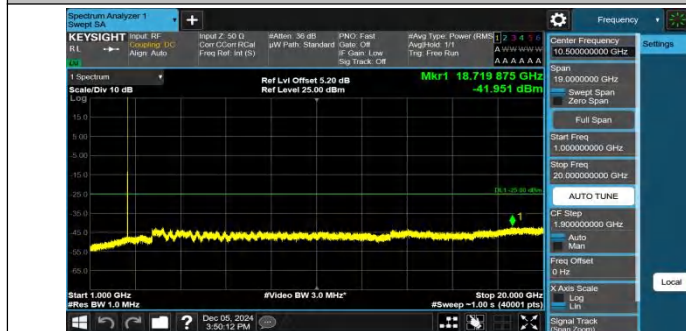
Band7-5MHz-QPSK-21425-1RB#24-0.009~0.15-PASS



Band7-5MHz-QPSK-21425-1RB#24-0.15~30-PASS



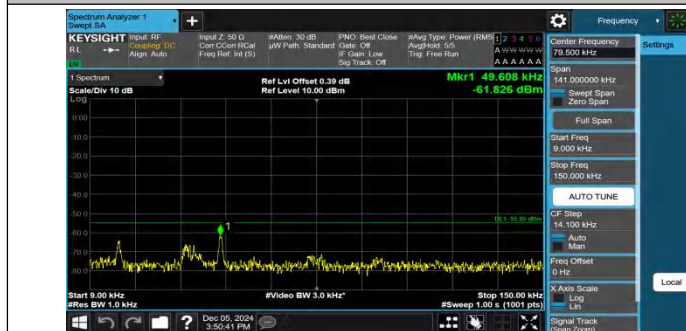
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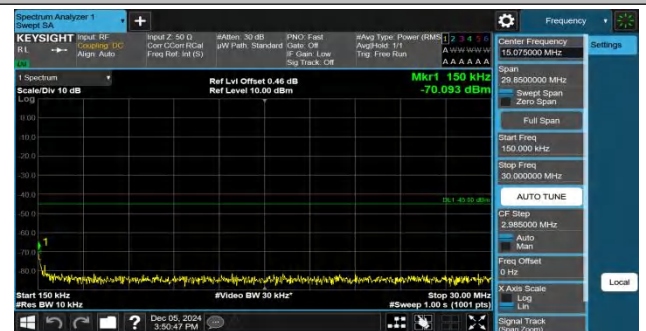
Band7-5MHz-QPSK-21425-1RB#24-1000~20000-PASS



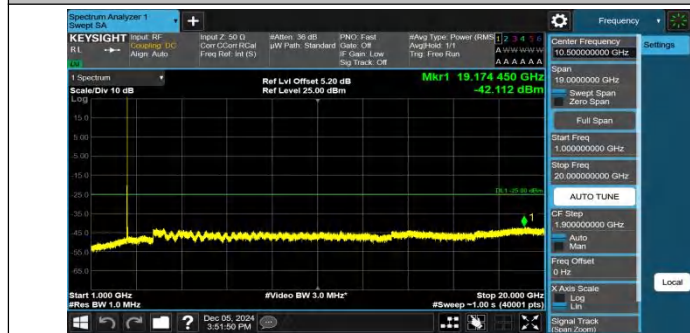
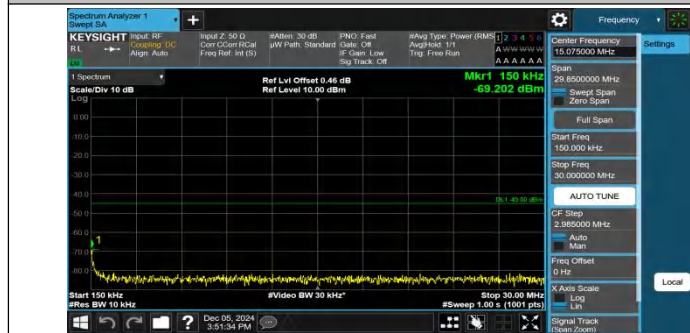
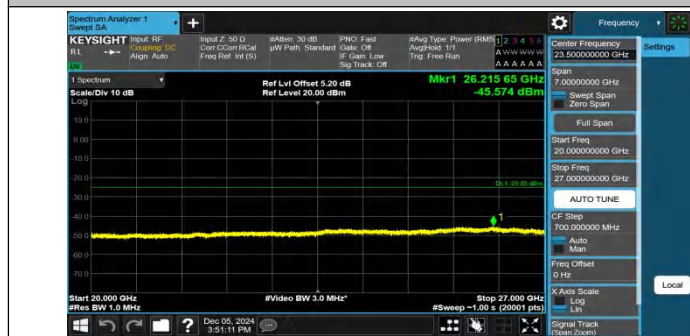
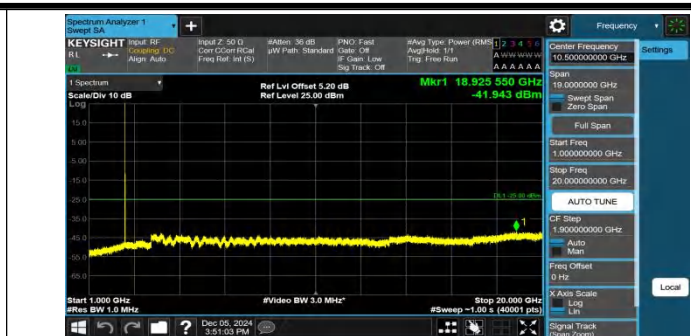
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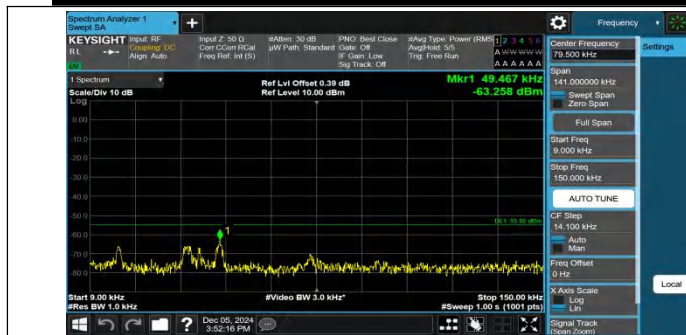


Band7-10MHz-QPSK-20800-1RB#0-0.009~0.15-PASS

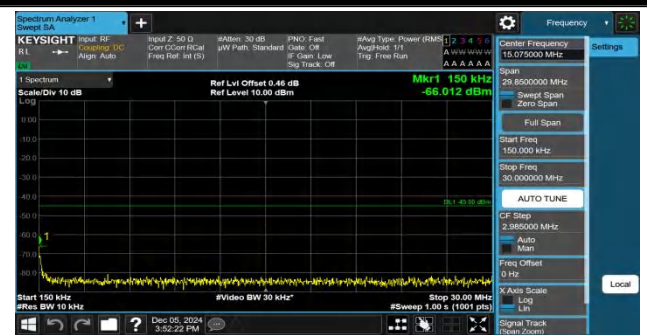


Band7-10MHz-QPSK-20800-1RB#0-0.15~30-PASS

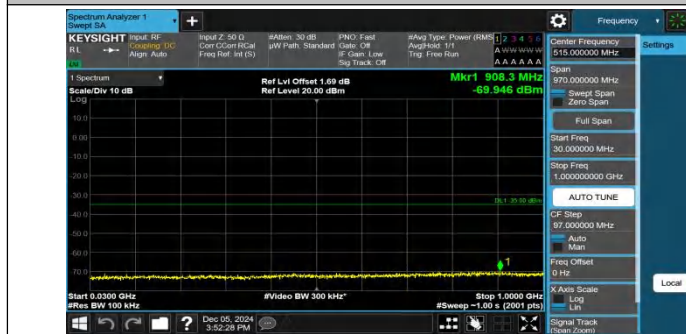




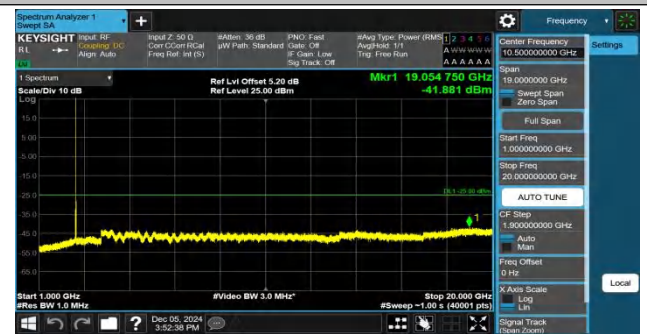
Band7-10MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



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



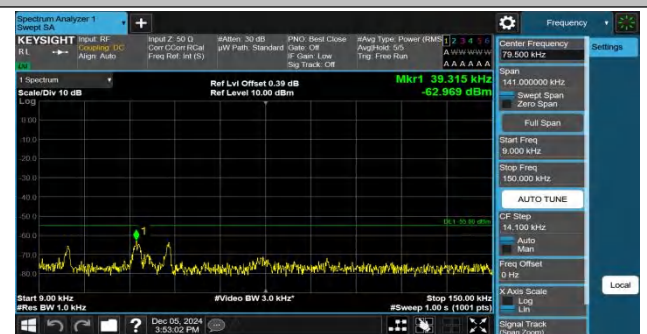
Band7-10MHz-QPSK-21100-1RB#0-30~1000-PASS



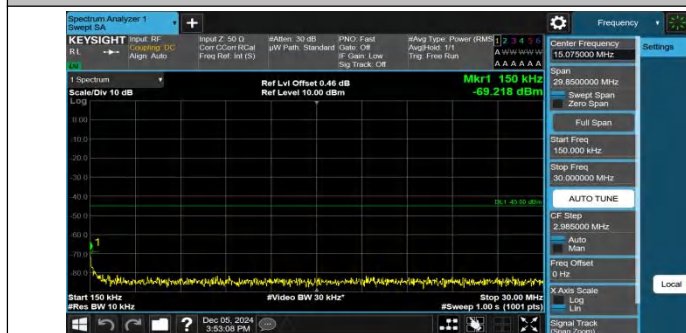
Band7-10MHz-QPSK-21100-1RB#0-1000~20000-PASS



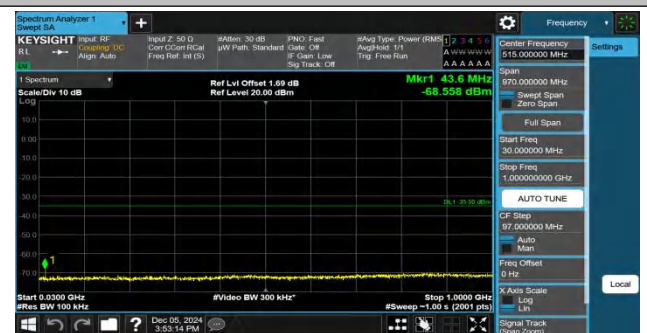
Band7-10MHz-QPSK-21100-1RB#0-20000~27000-PASS



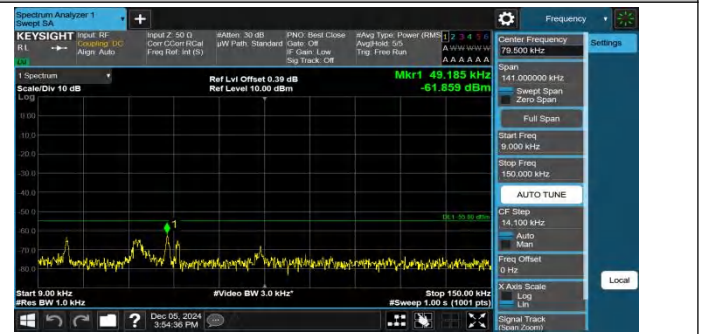
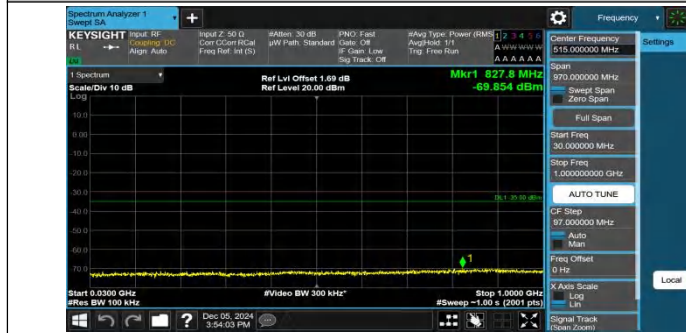
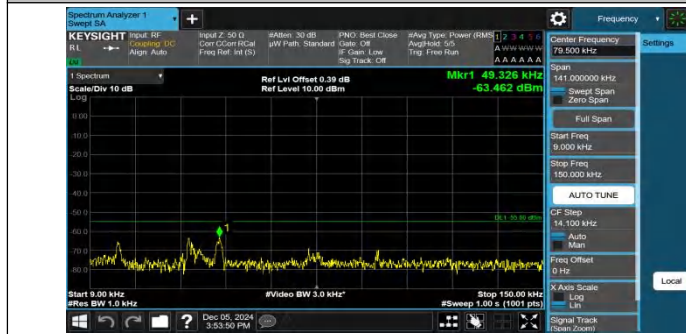
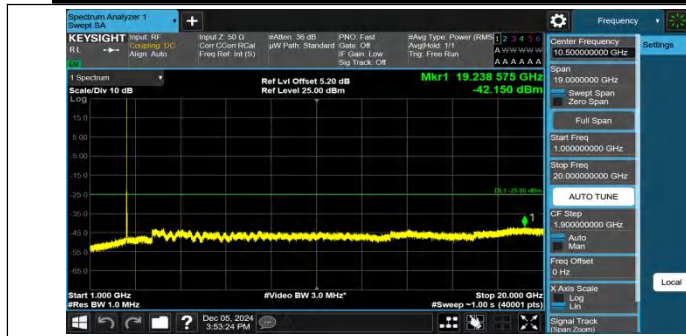
Band7-10MHz-QPSK-21100-1RB#49-0.009~0.15-PASS

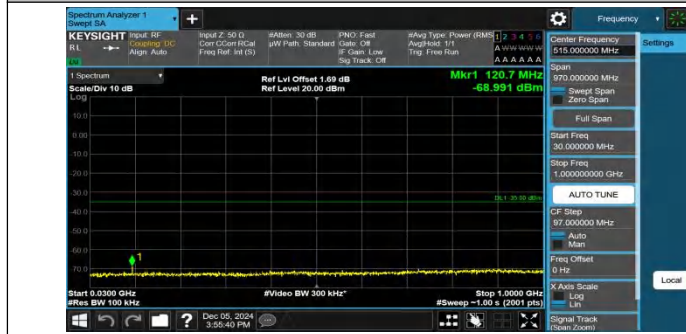
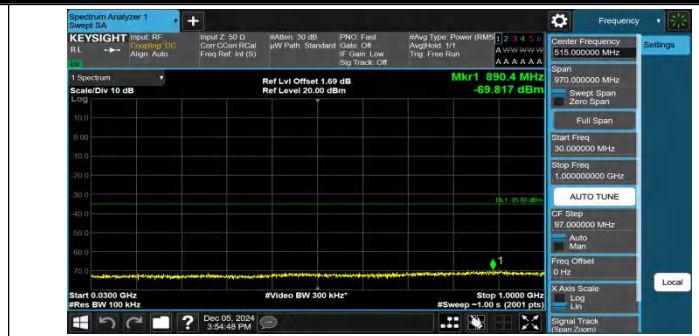
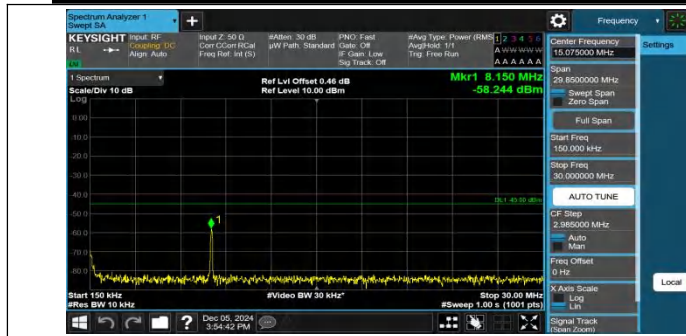


Band7-10MHz-QPSK-21100-1RB#49-0.15~30-PASS



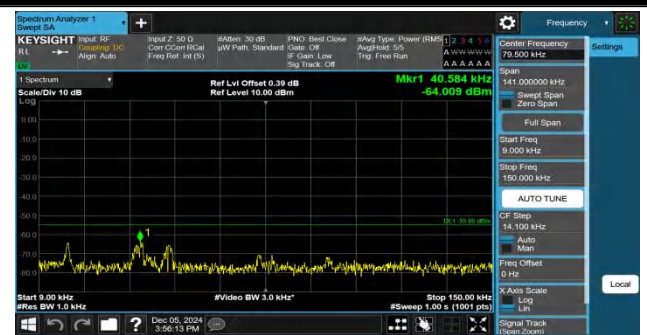
Band7-10MHz-QPSK-21100-1RB#49-30~1000-PASS



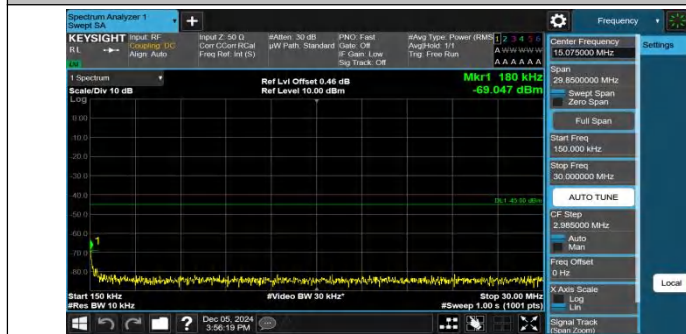




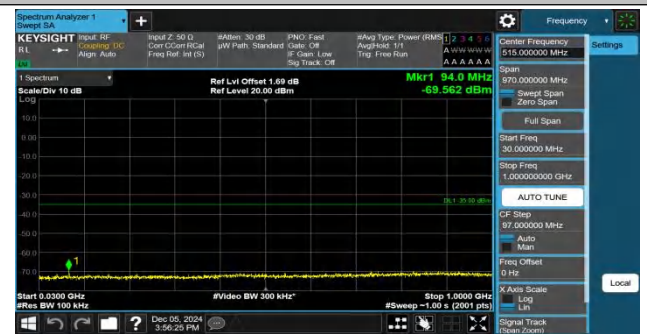
Band7-15MHz-QPSK-20825-1RB#0-20000~27000-PASS



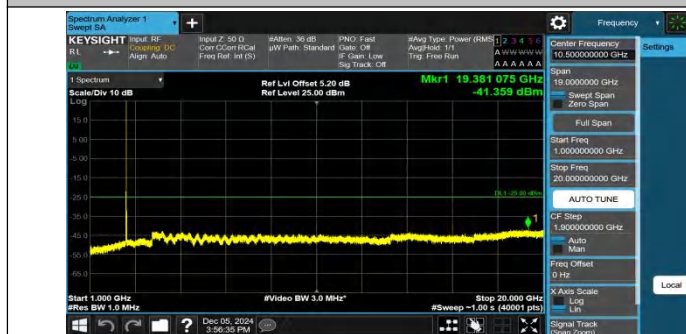
Band7-15MHz-QPSK-20825-1RB#74-0.009~0.15-PASS



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



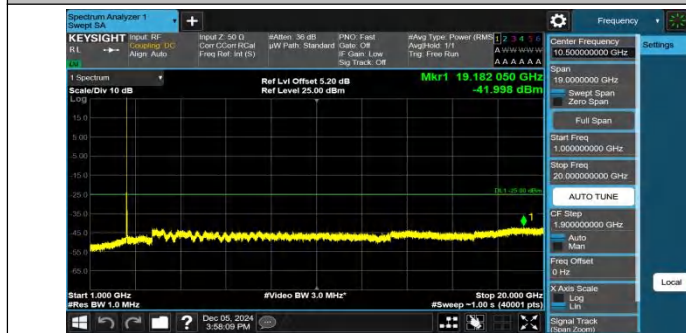
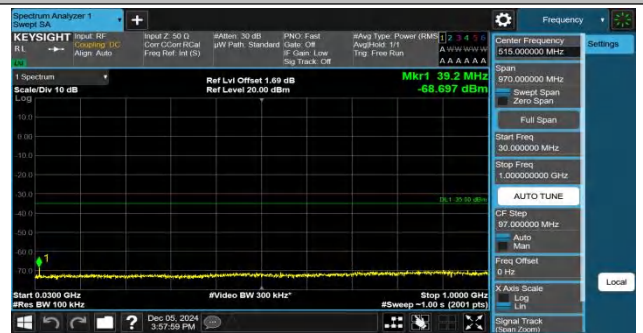
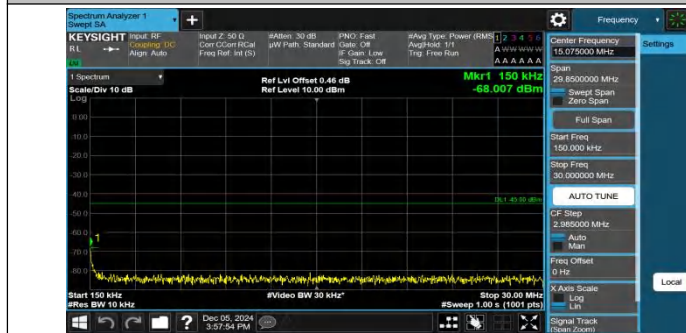
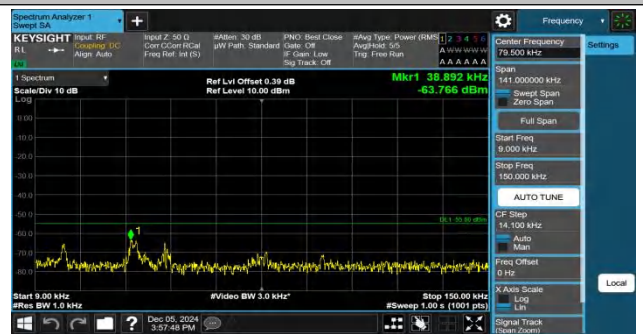
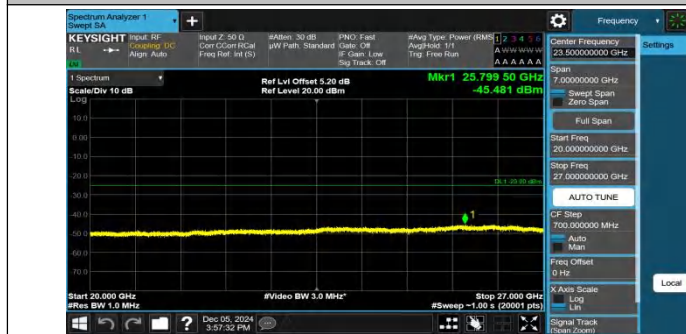
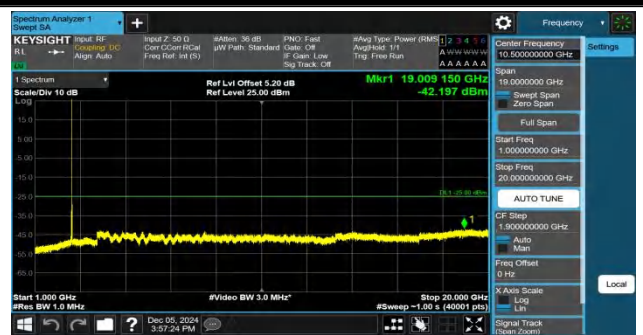
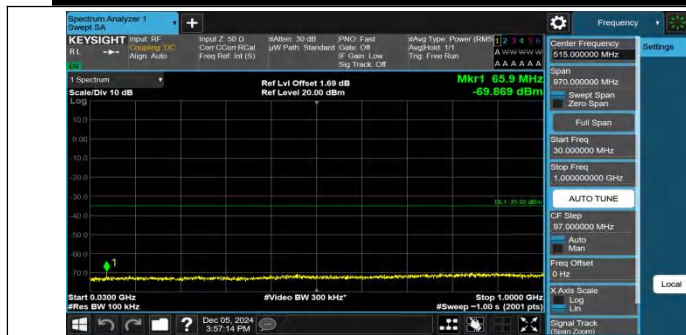
Band7-15MHz-QPSK-20825-1RB#74-20000~27000-PASS



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

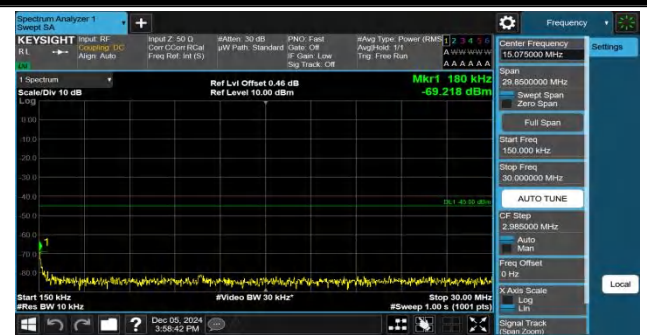


Band7-15MHz-QPSK-21100-1RB#0-0.15~30-PASS

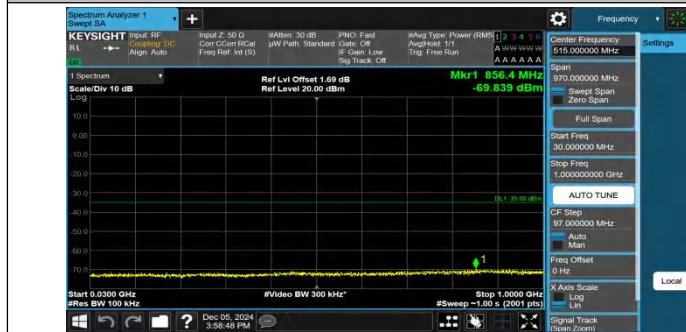




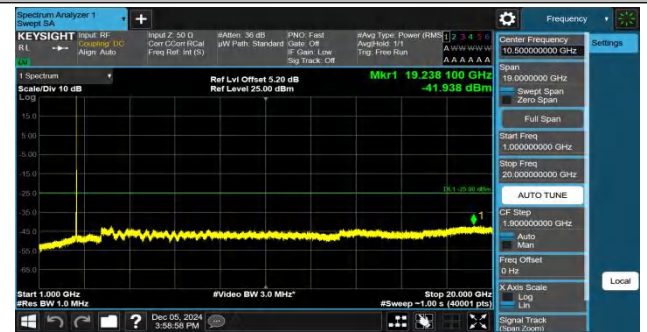
Band7-15MHz-QPSK-21375-1RB#0-0.009~0.15-PASS



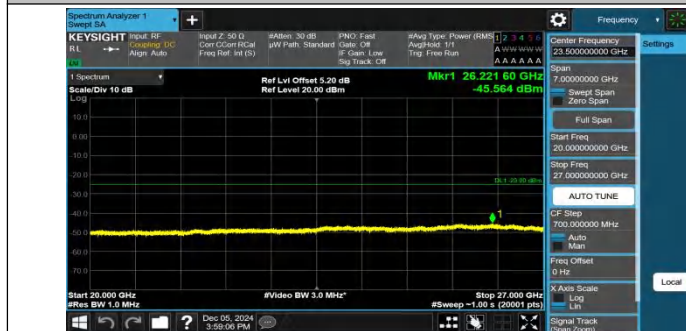
Band7-15MHz-QPSK-21375-1RB#0-0.15~30-PASS



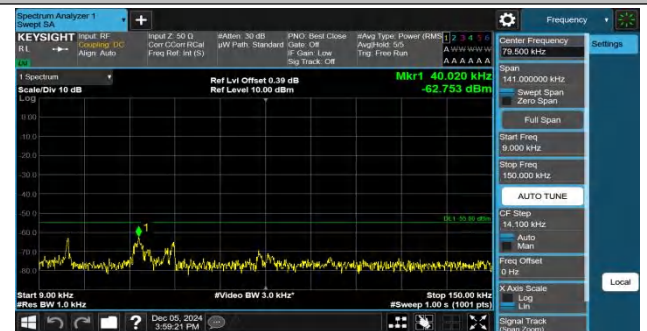
Band7-15MHz-QPSK-21375-1RB#0-30~1000-PASS



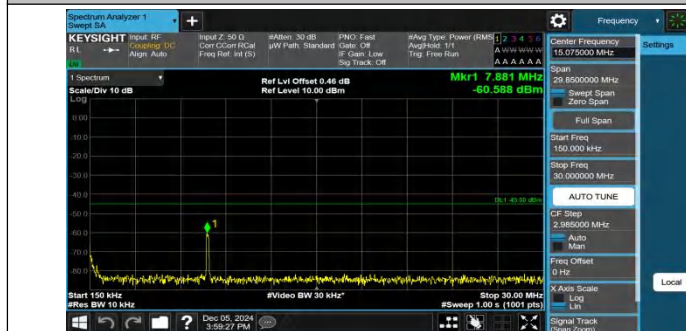
Band7-15MHz-QPSK-21375-1RB#0-1000~20000-PASS



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



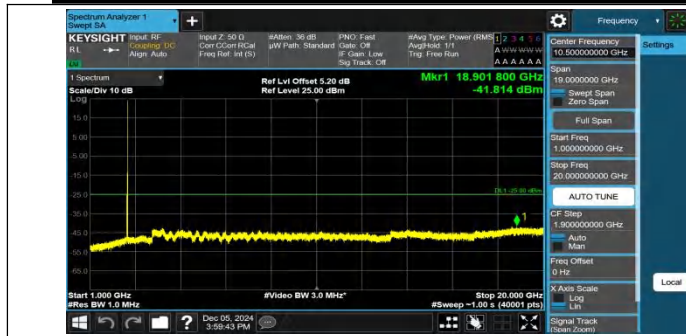
Band7-15MHz-QPSK-21375-1RB#74-0.009~0.15-PASS



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



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



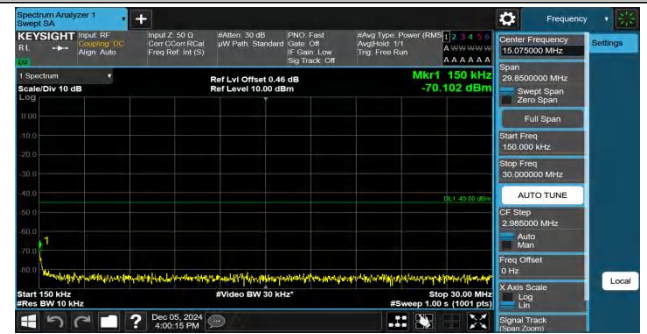
Band7-15MHz-QPSK-21375-1RB#74-1000~20000-PASS



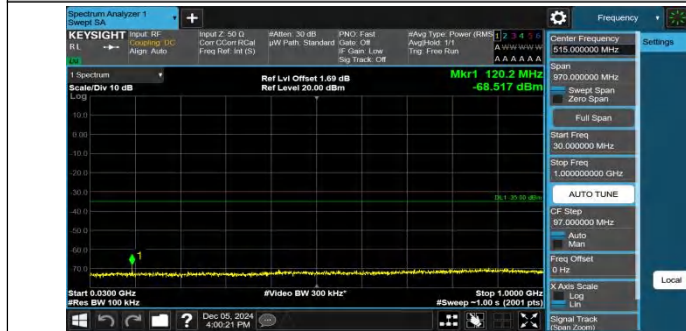
Band7-15MHz-QPSK-21375-1RB#74-20000~27000-PASS



Band7-20MHz-QPSK-20850-1RB#0-0.009~0.15-PASS



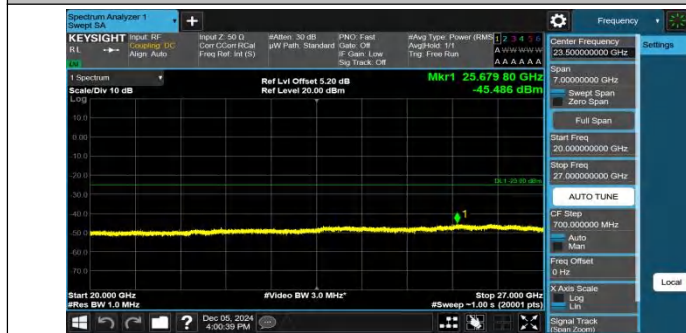
Band7-20MHz-QPSK-20850-1RB#0-0.15~30-PASS



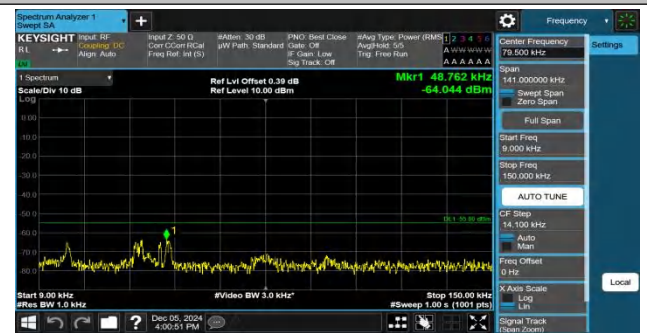
Band7-20MHz-QPSK-20850-1RB#0-30~1000-PASS



Band7-20MHz-QPSK-20850-1RB#0-1000~20000-PASS



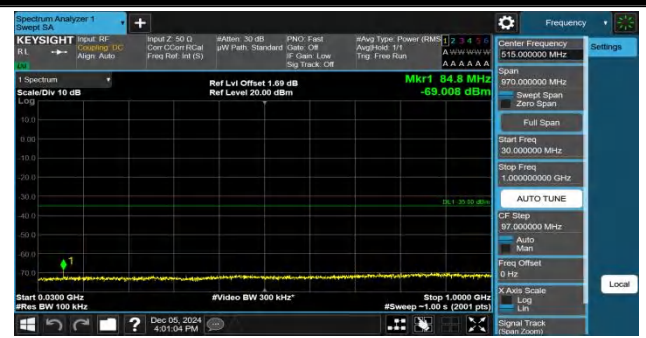
Band7-20MHz-QPSK-20850-1RB#0-20000~27000-PASS



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



Band7-20MHz-QPSK-20850-1RB#99-0.15~30-PASS



Band7-20MHz-QPSK-20850-1RB#99-30~1000-PASS



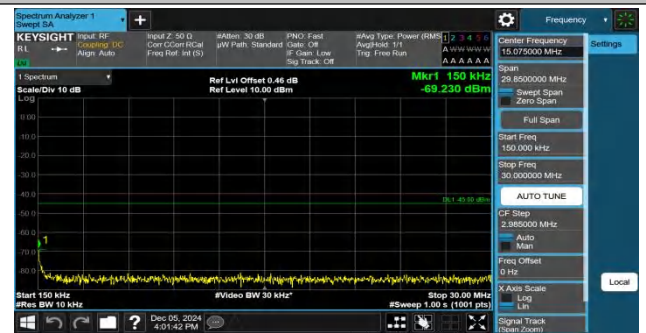
Band7-20MHz-QPSK-20850-1RB#99-1000~20000-PASS



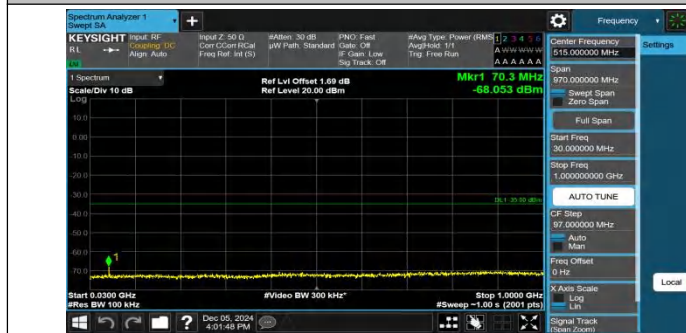
Band7-20MHz-QPSK-20850-1RB#99-20000~27000-PASS



Band7-20MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



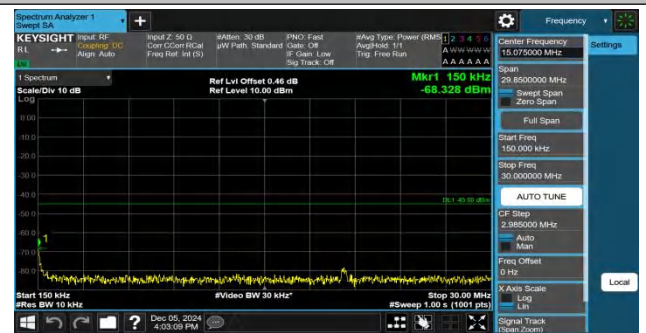
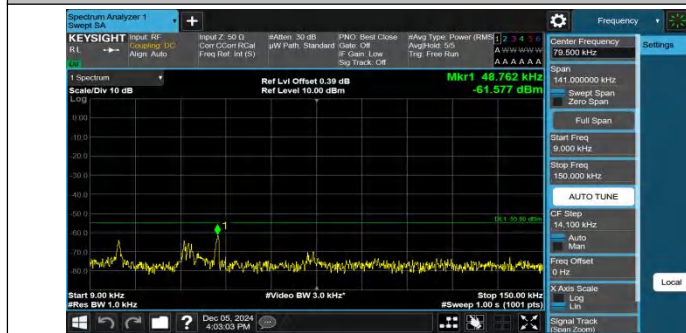
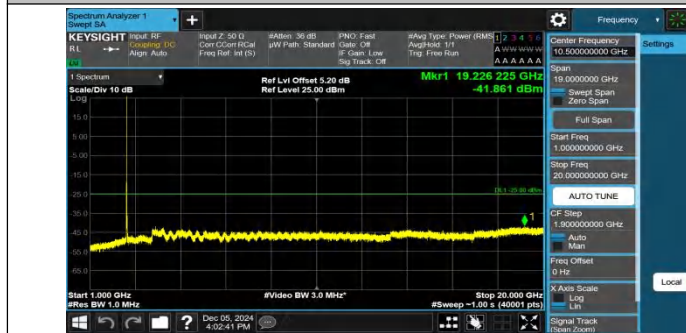
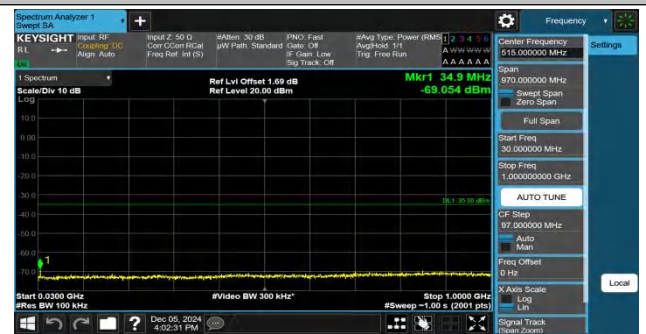
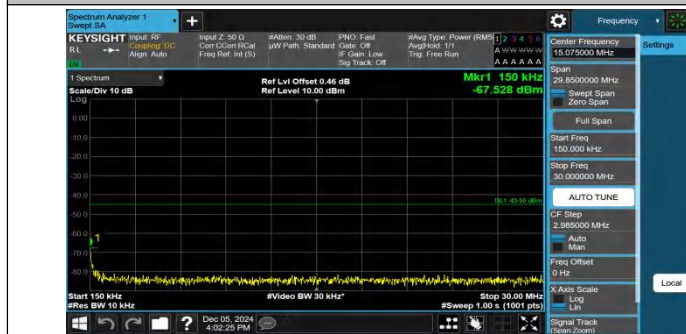
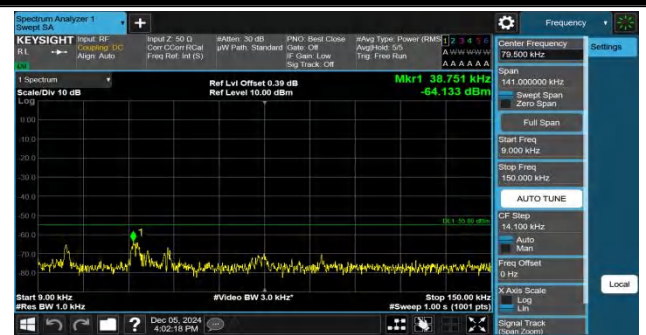
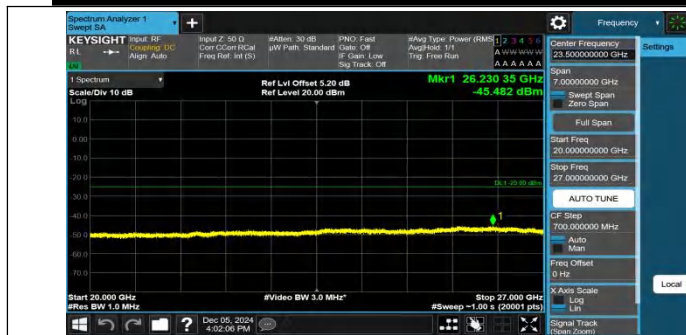
Band7-20MHz-QPSK-21100-1RB#0-0.15~30-PASS

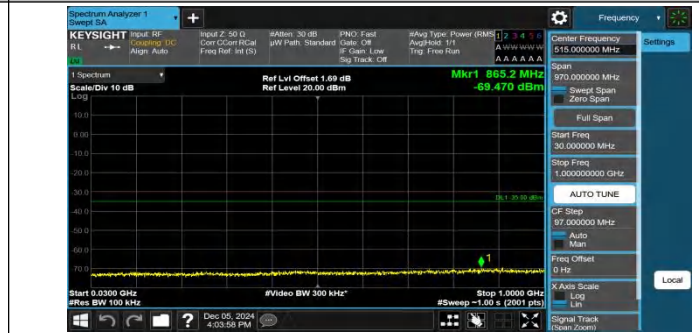
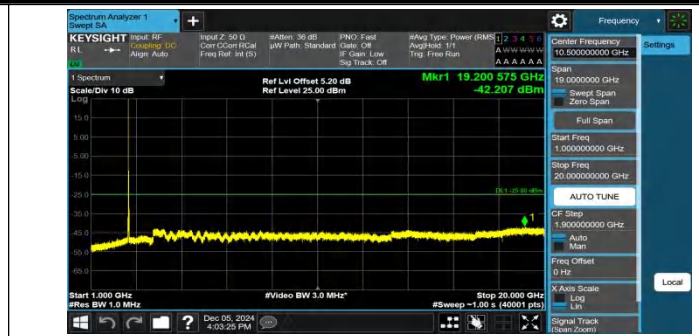
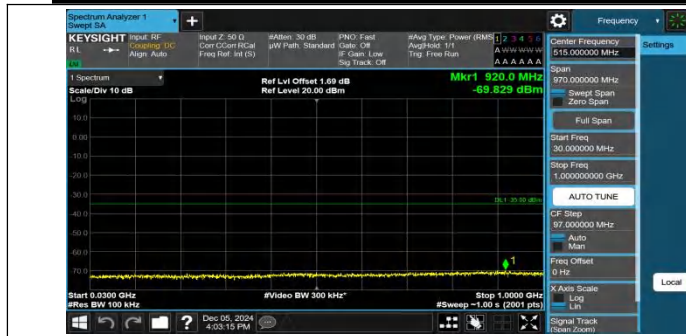


Band7-20MHz-QPSK-21100-1RB#0-30~1000-PASS



Band7-20MHz-QPSK-21100-1RB#0-1000~20000-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	-8890.00	-3.506903	±NA	2526.06711	2543.91511	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	VL	NT	-3690.00	-1.455621	±NA	2526.07531	2543.91731	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	VH	NT	-7050.00	-2.781065	±NA	2526.07145	2543.91445	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	-9530.00	-3.759369	±NA	2526.06747	2543.91347	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	-20	-7450.00	-2.938856	±NA	2526.07455	2543.91055	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	-10	-10260.00	-4.047337	±NA	2526.07074	2543.90874	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	0	-8750.00	-3.451677	±NA	2526.07175	2543.91075	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	10	-8330.00	-3.285996	±NA	2526.07067	2543.91267	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	20	-10470.00	-4.130178	±NA	2526.06603	2543.91303	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	30	-11180.00	-4.410256	±NA	2526.06582	2543.91182	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	40	-9130.00	-3.601578	±NA	2526.06537	2543.91637	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	50	-3450.00	-1.360947	±NA	2526.08305	2543.91005	2500-2570	PASS

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