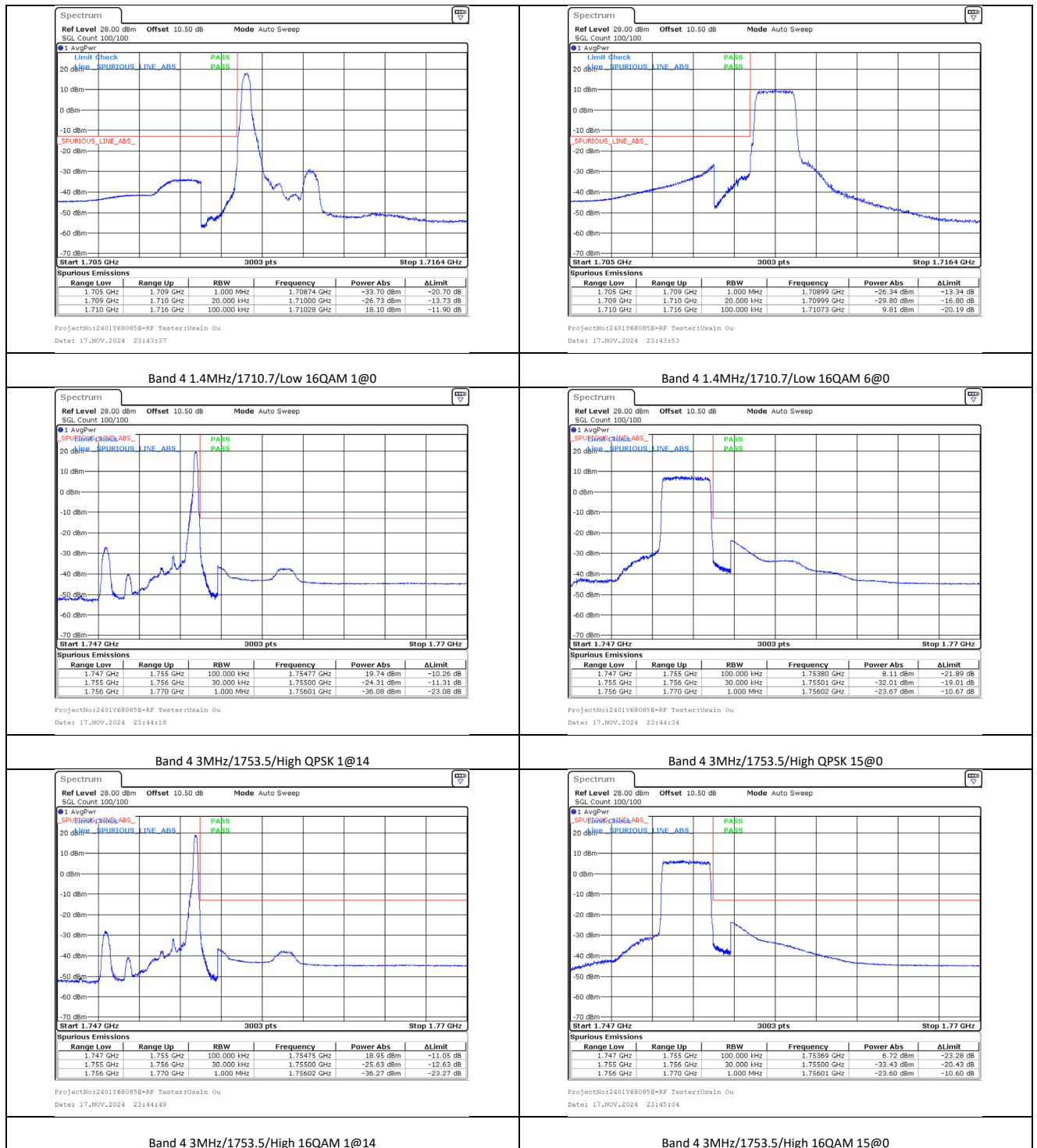
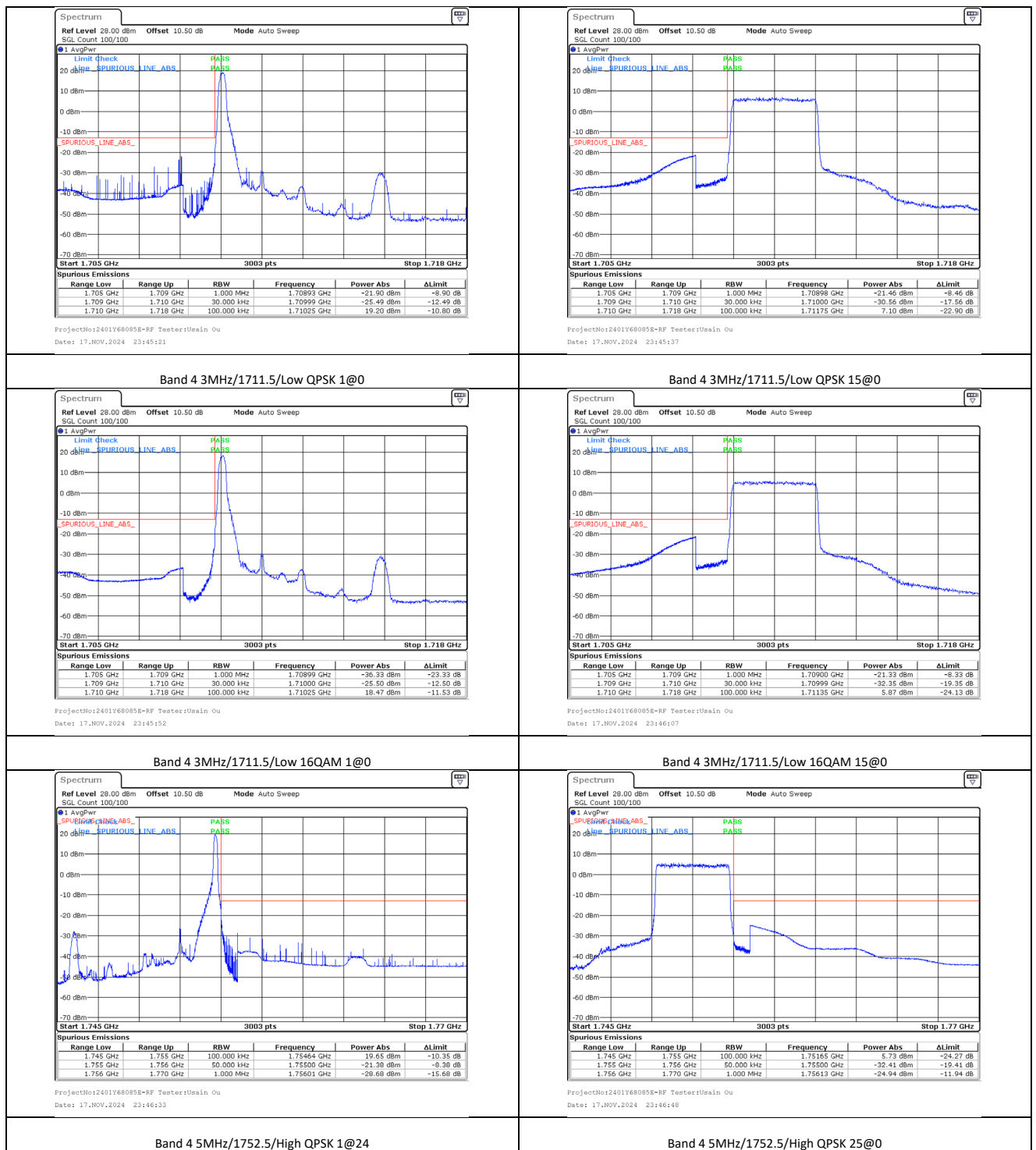
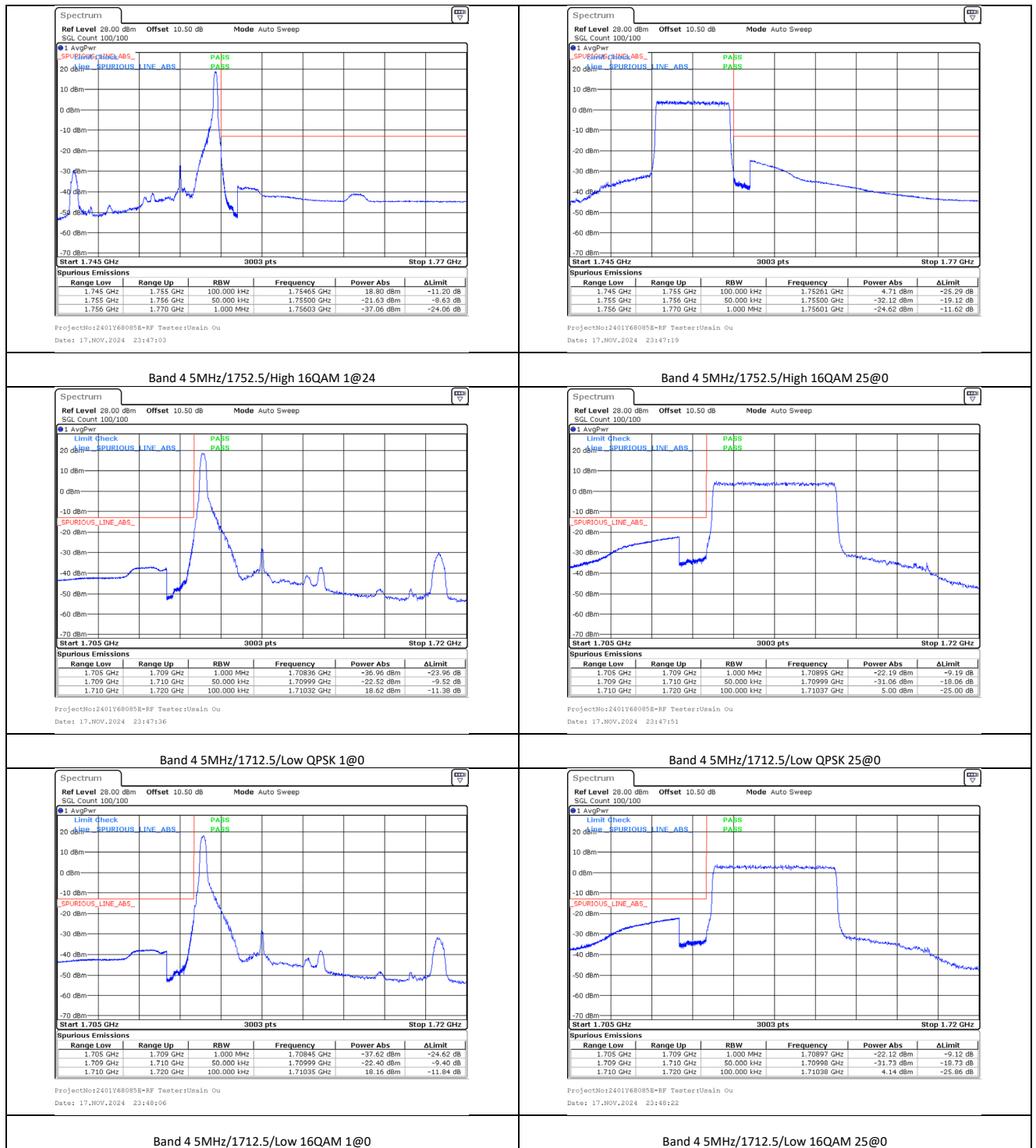
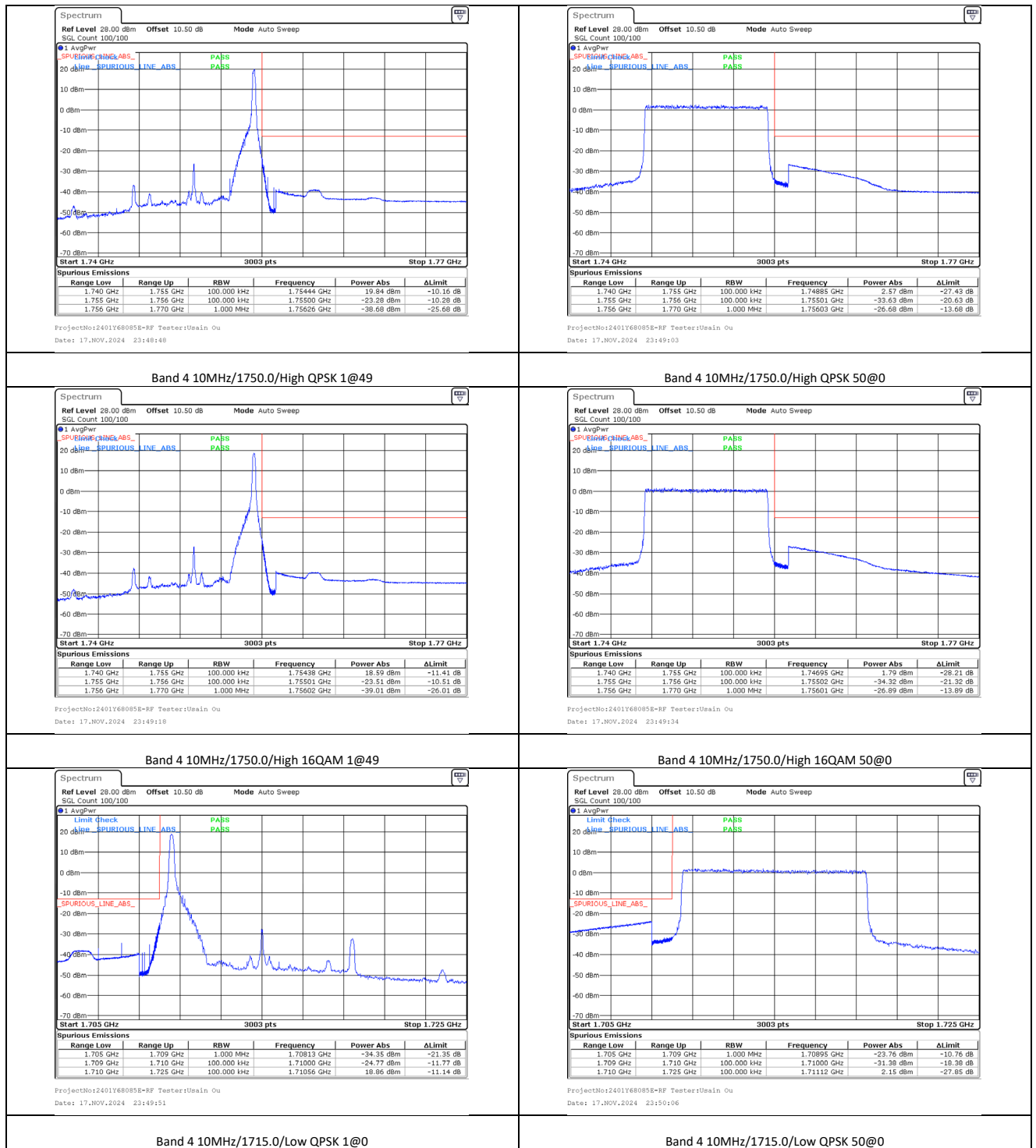
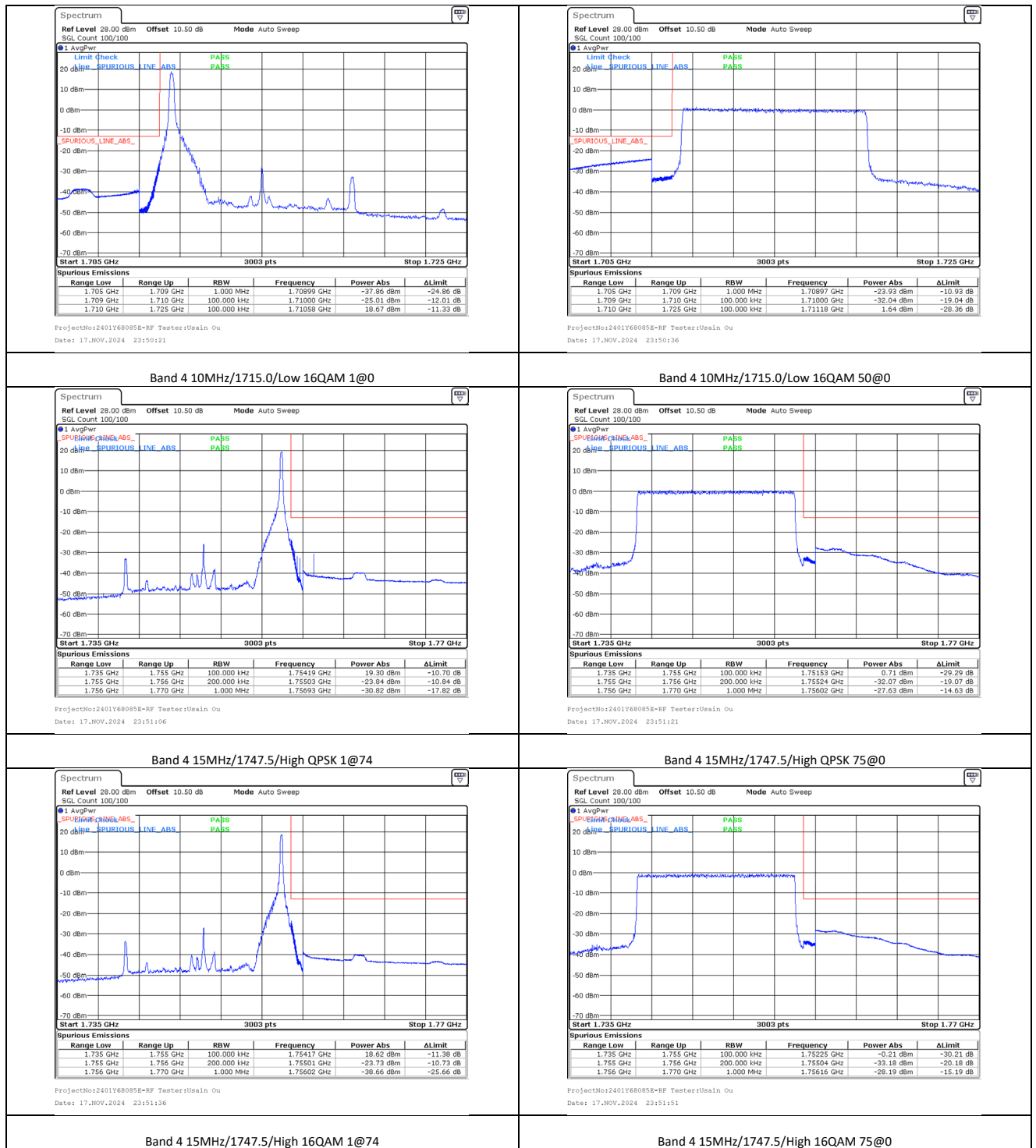


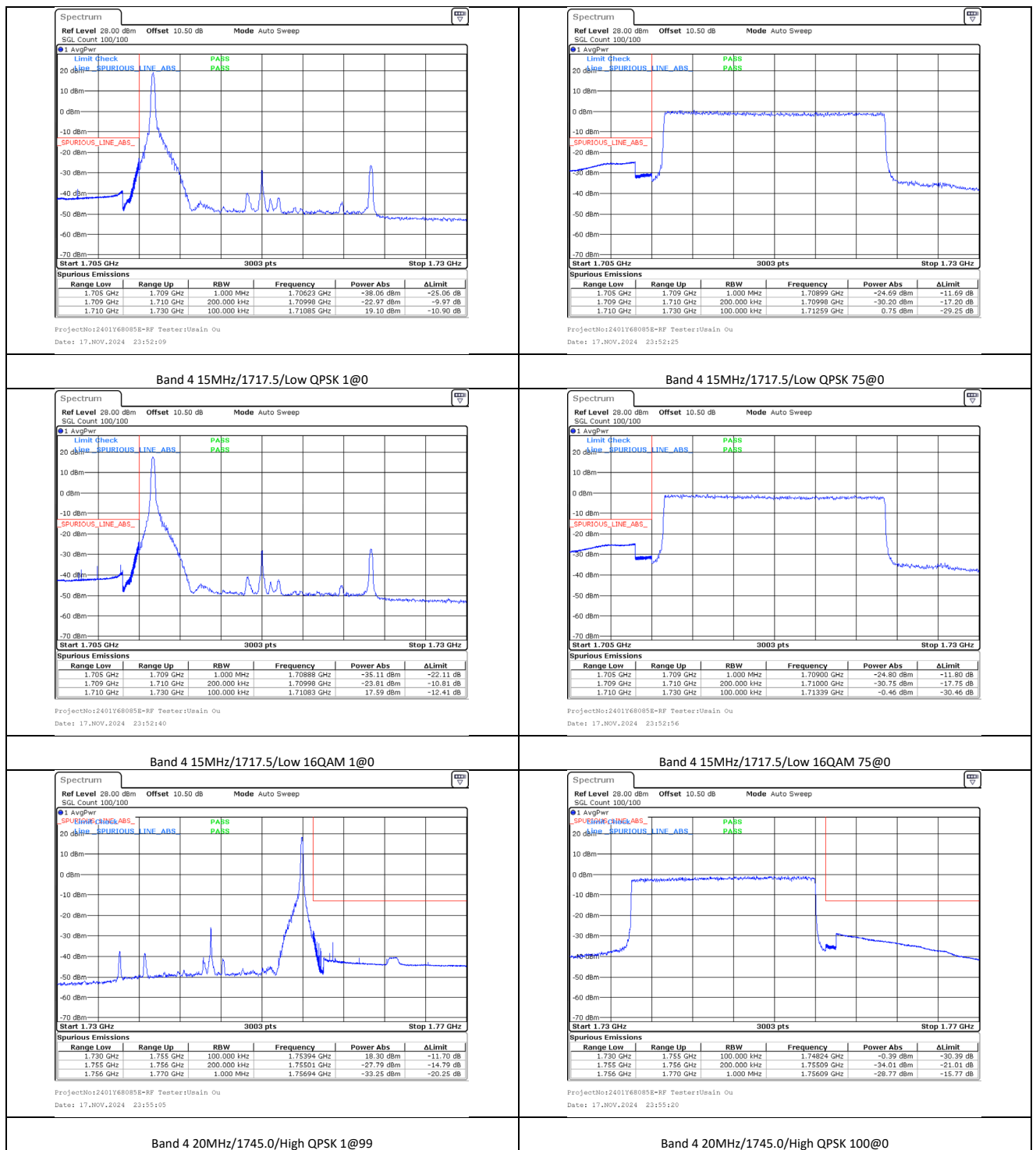


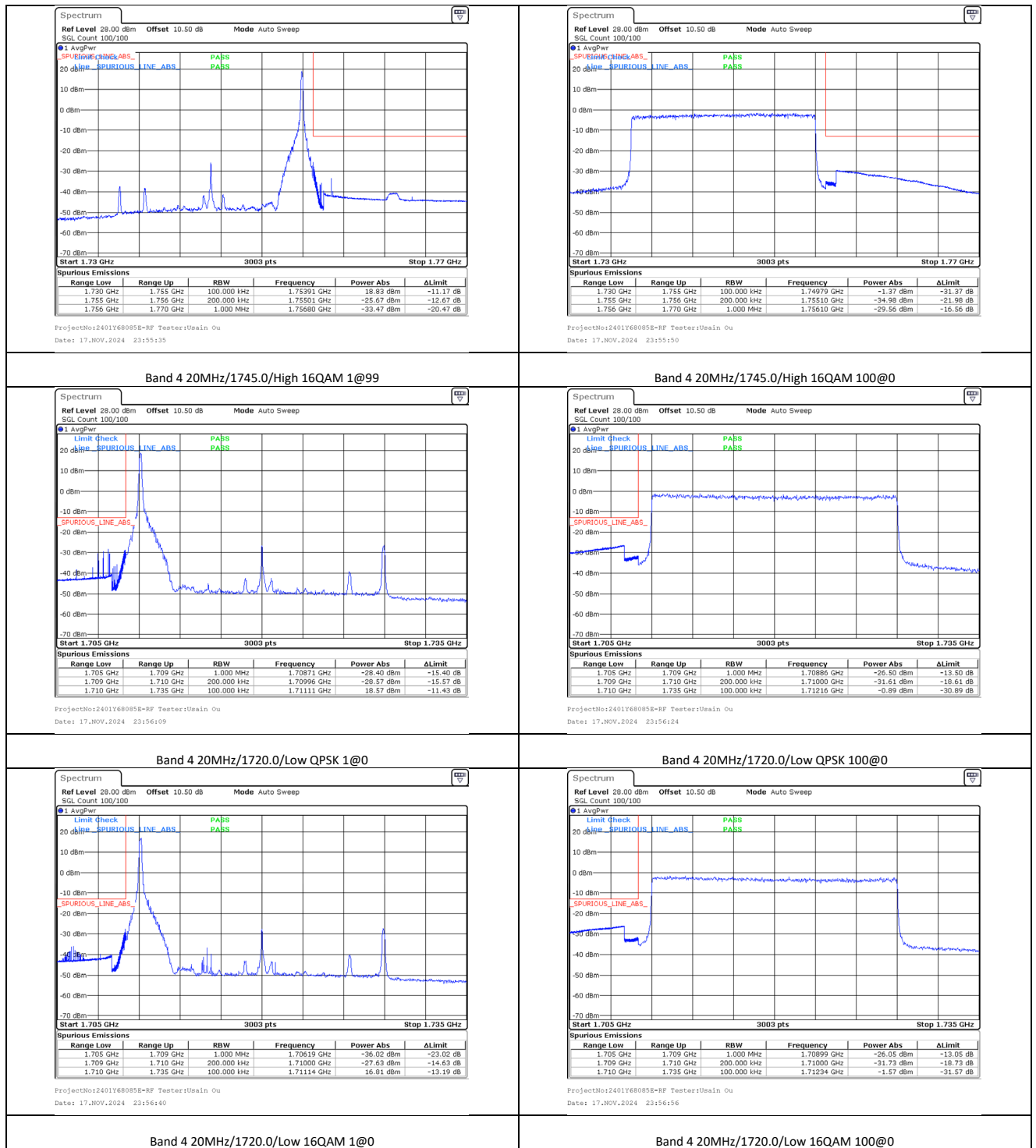


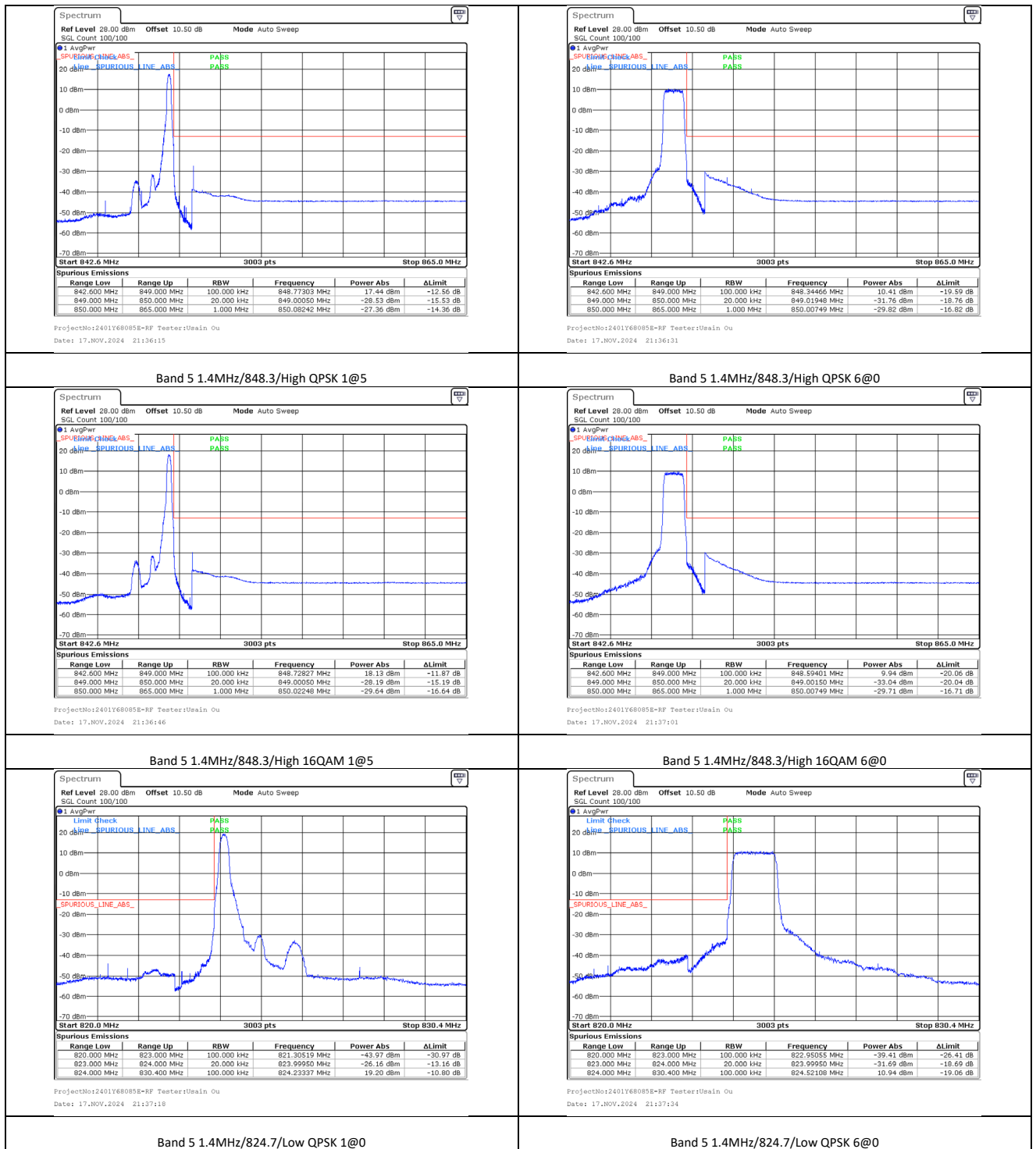


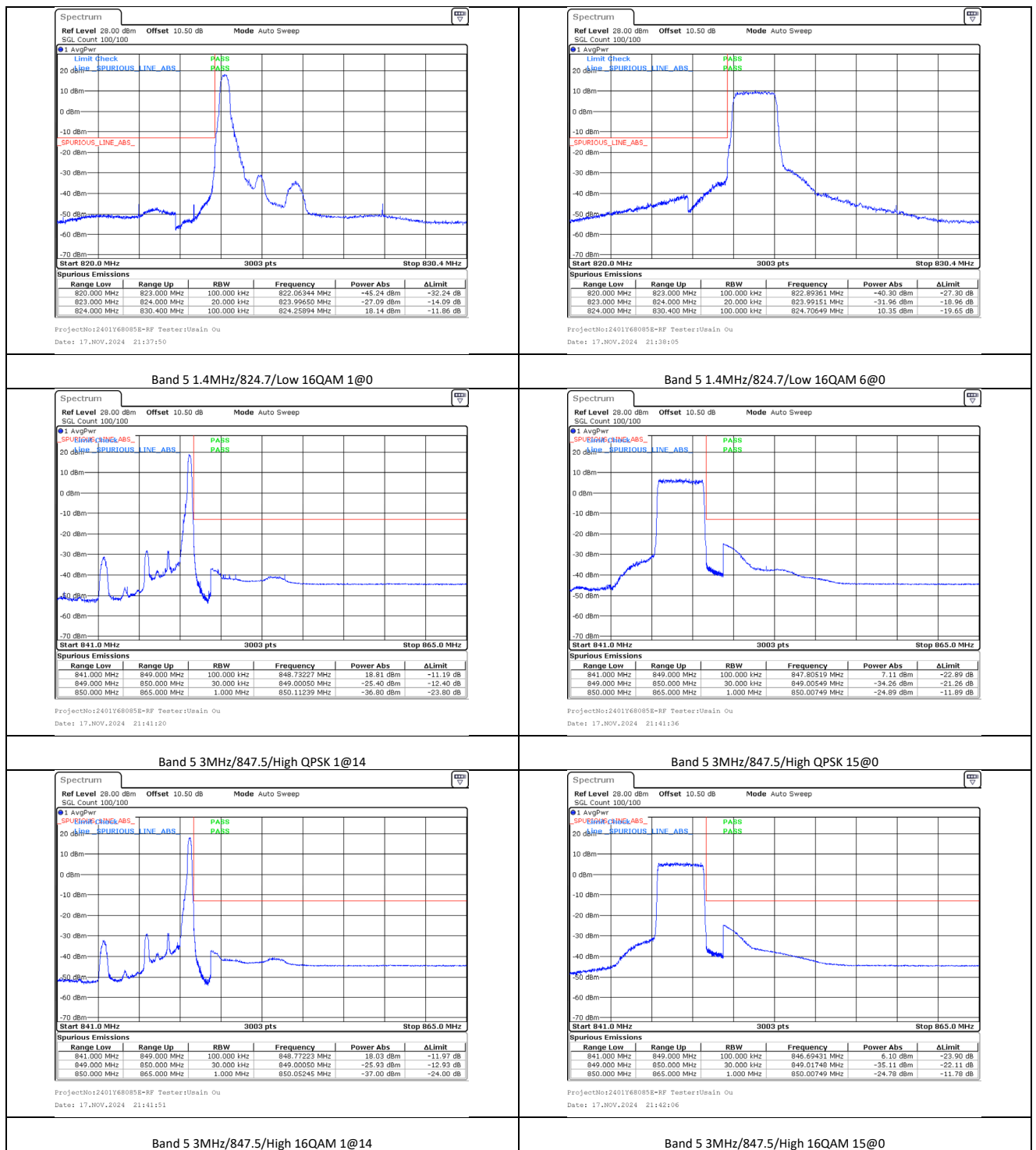


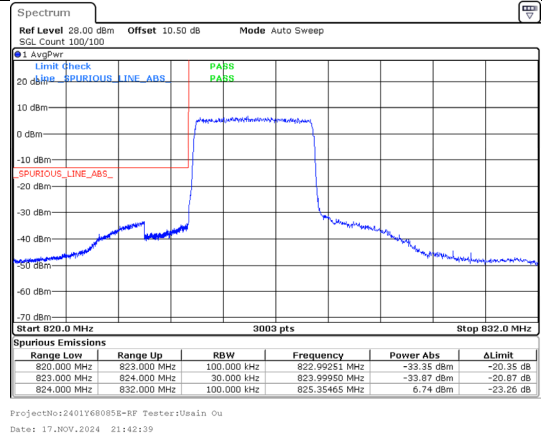
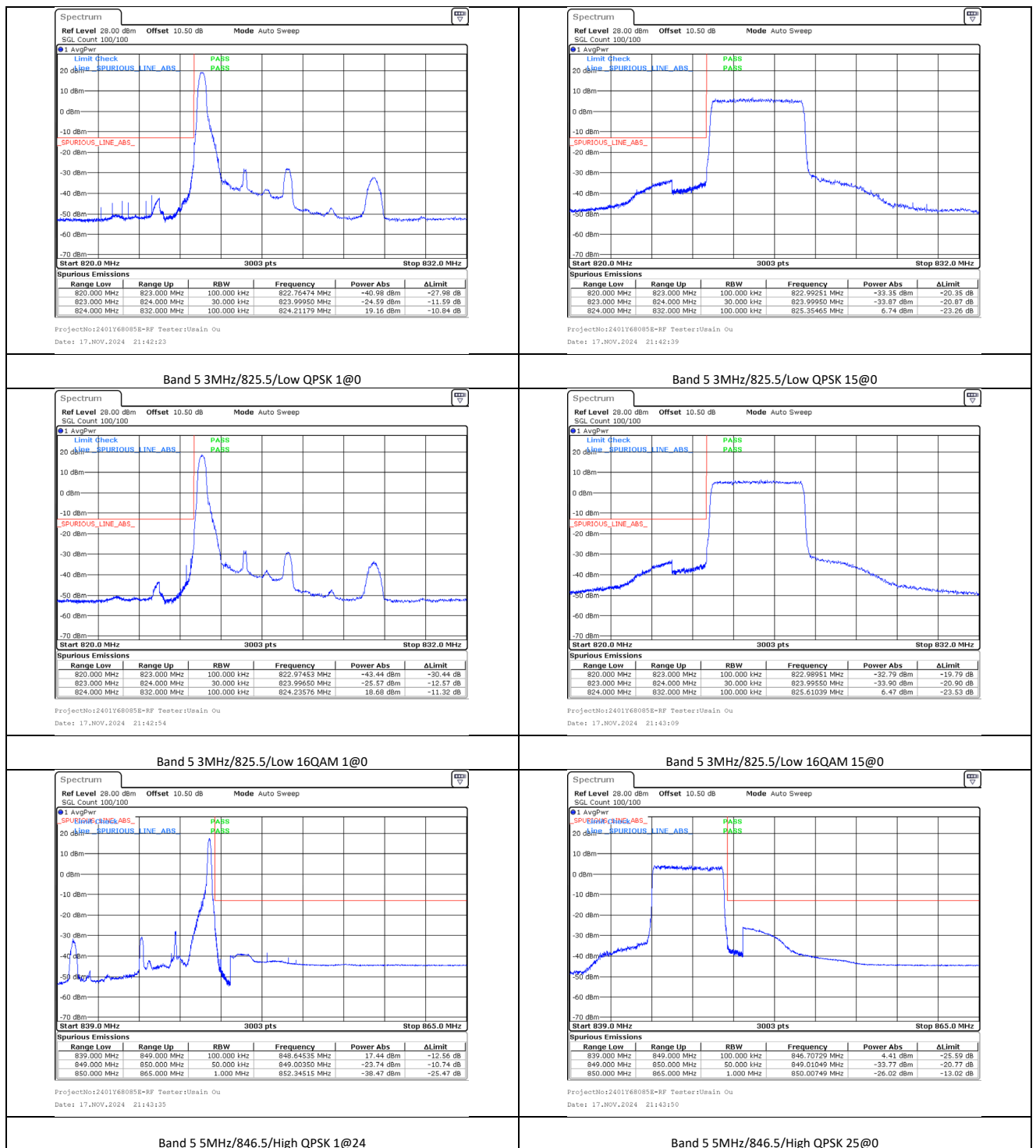




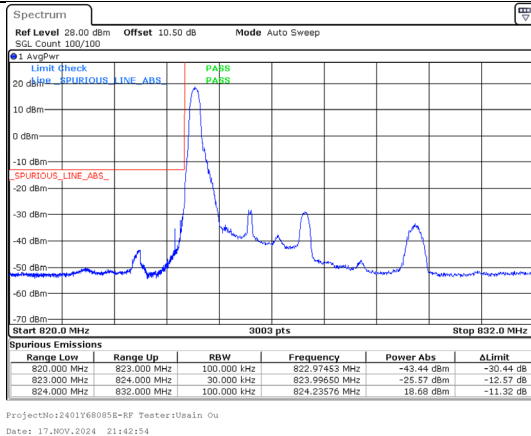




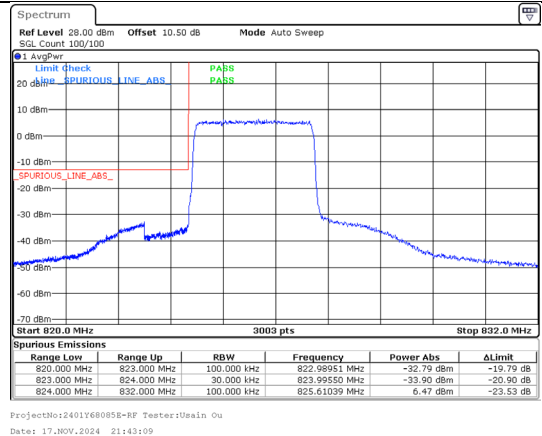




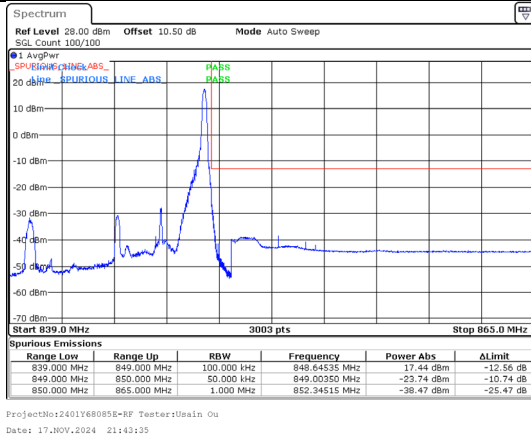
Band 5 3MHz/825.5/Low QPSK 1@0



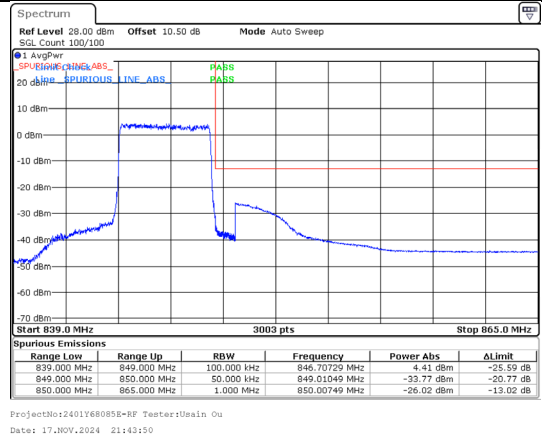
Band 5 3MHz/825.5/Low QPSK 15@0



Band 5 3MHz/825.5/Low 16QAM 1@0

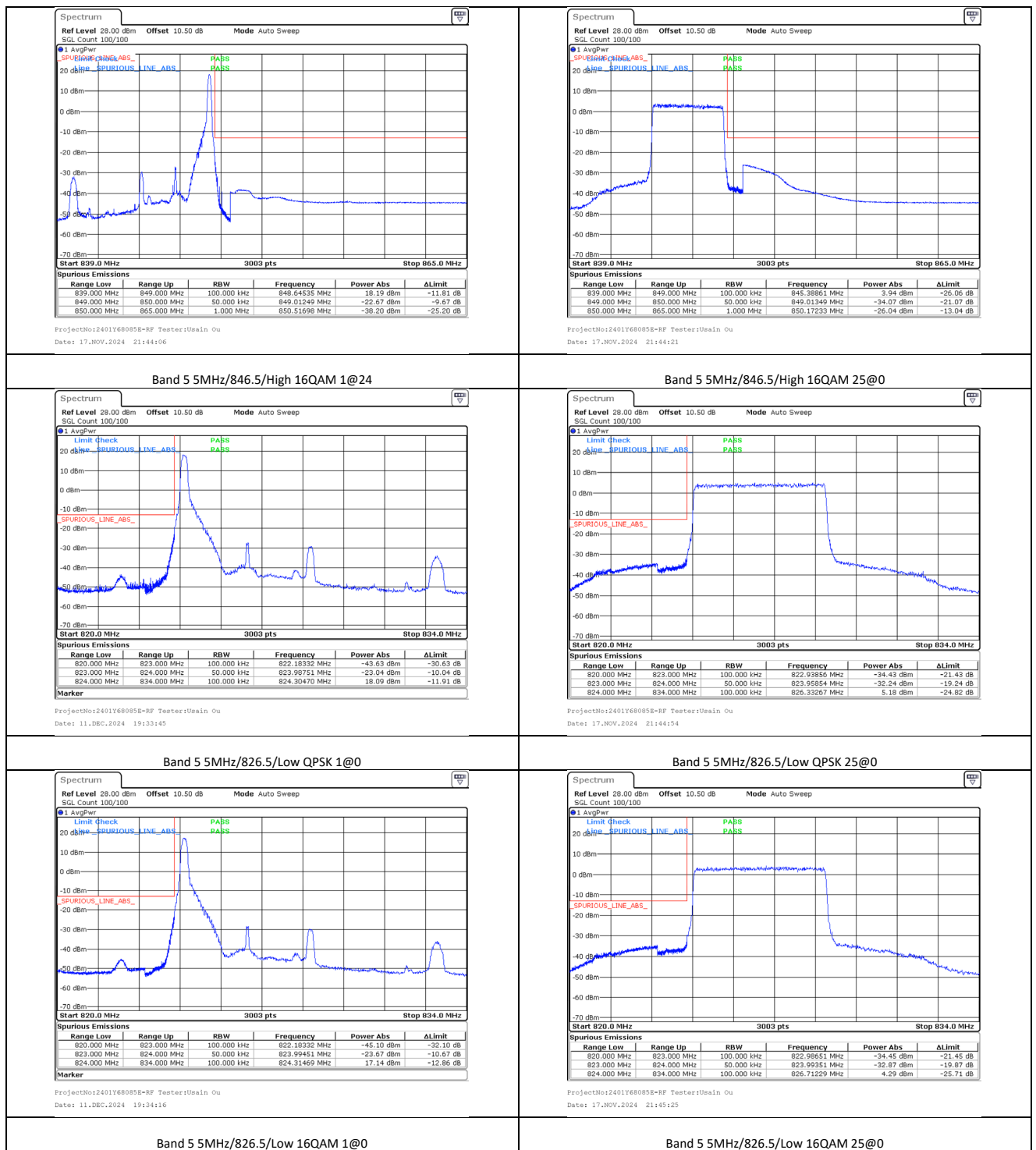


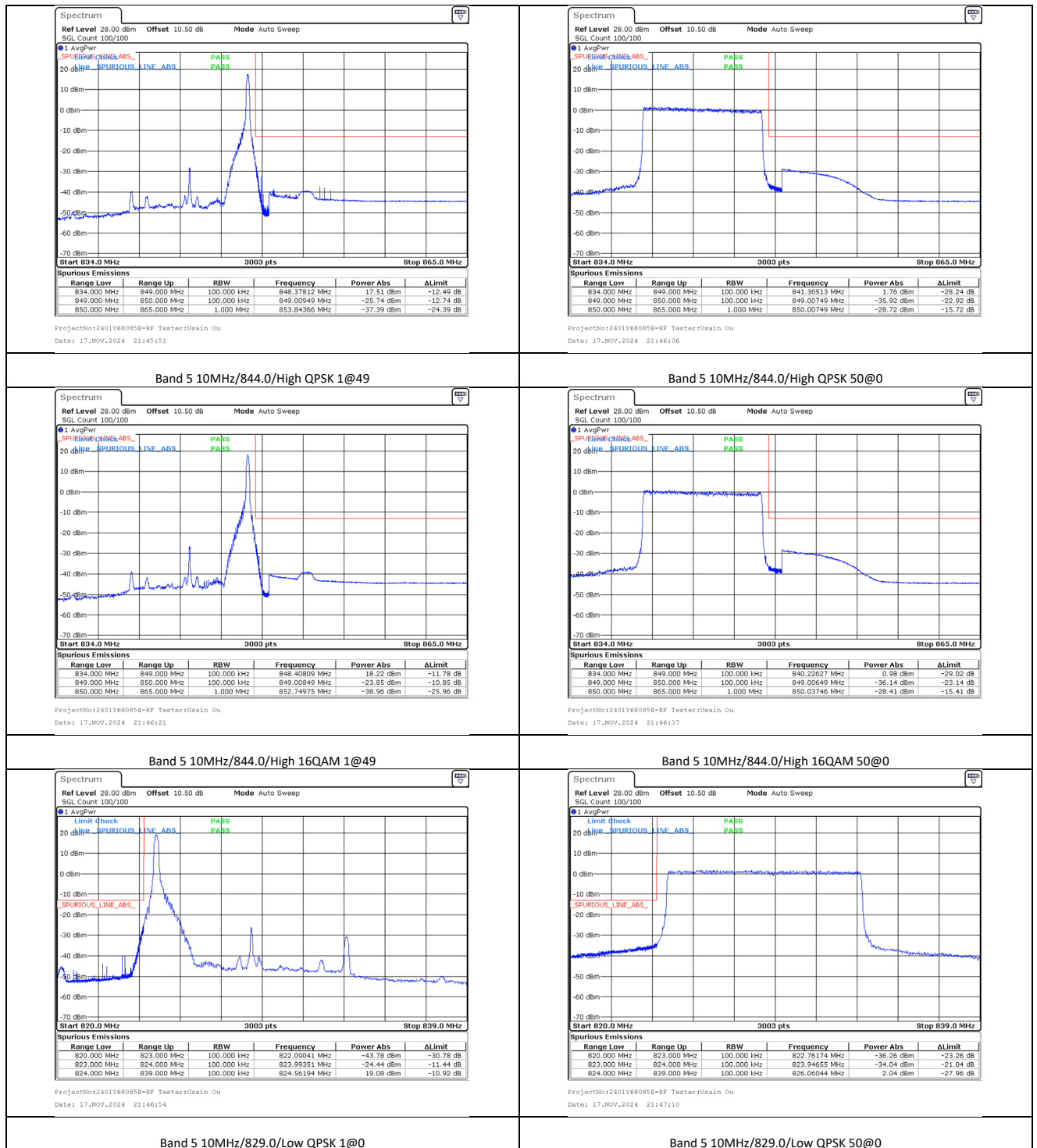
Band 5 3MHz/825.5/Low 16QAM 15@0



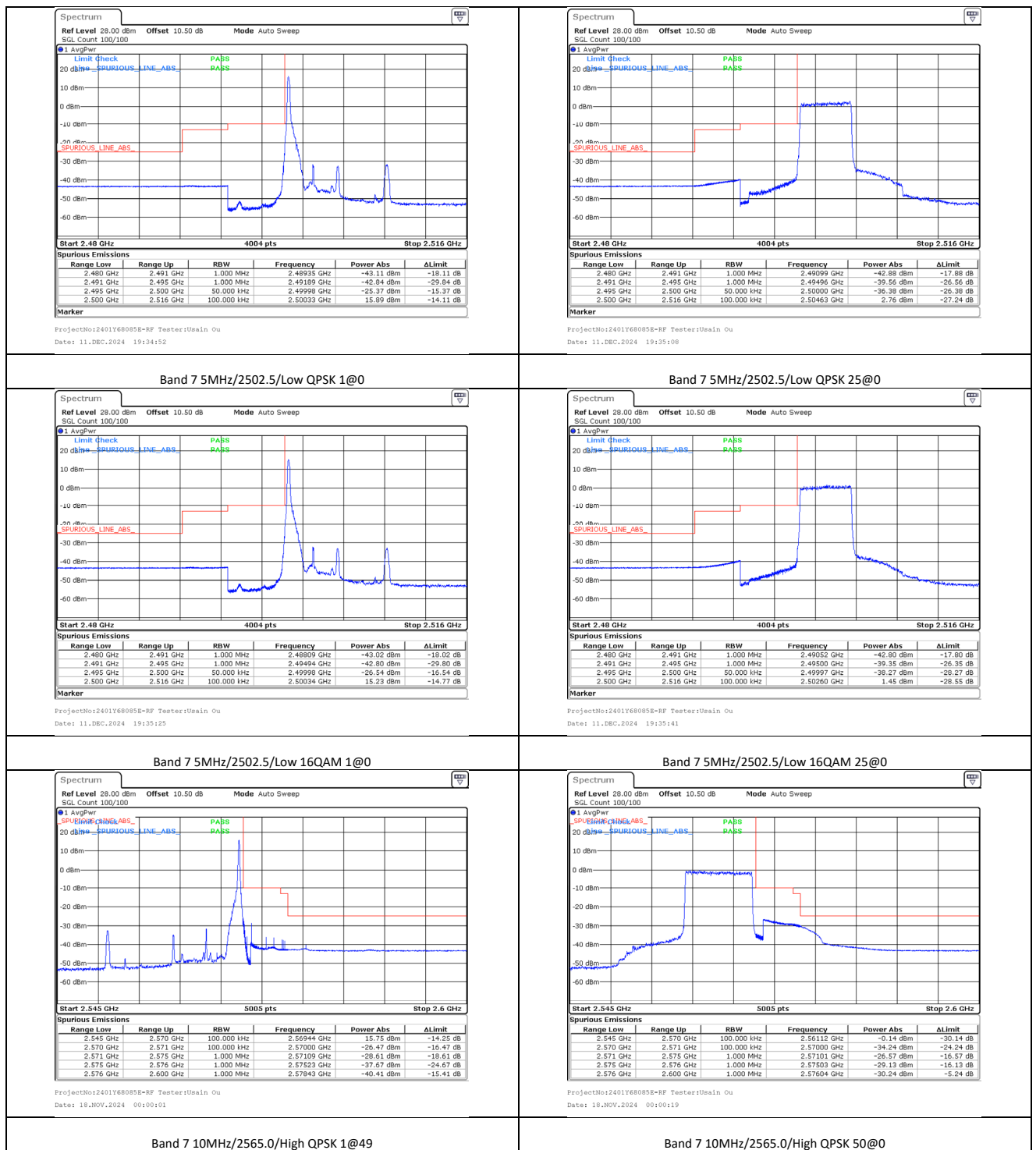
Band 5 5MHz/846.5/High QPSK 1@24

Band 5 5MHz/846.5/High QPSK 25@0

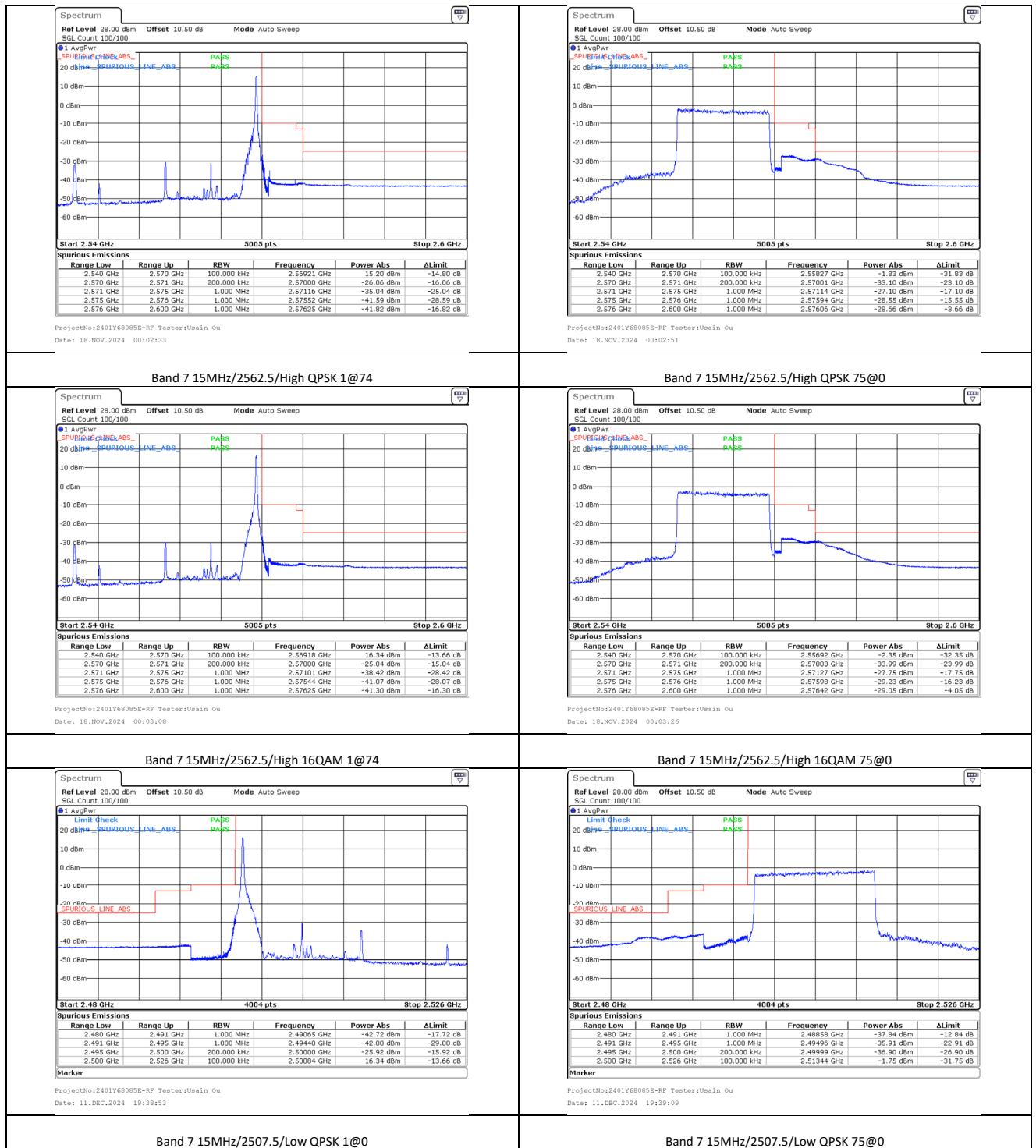


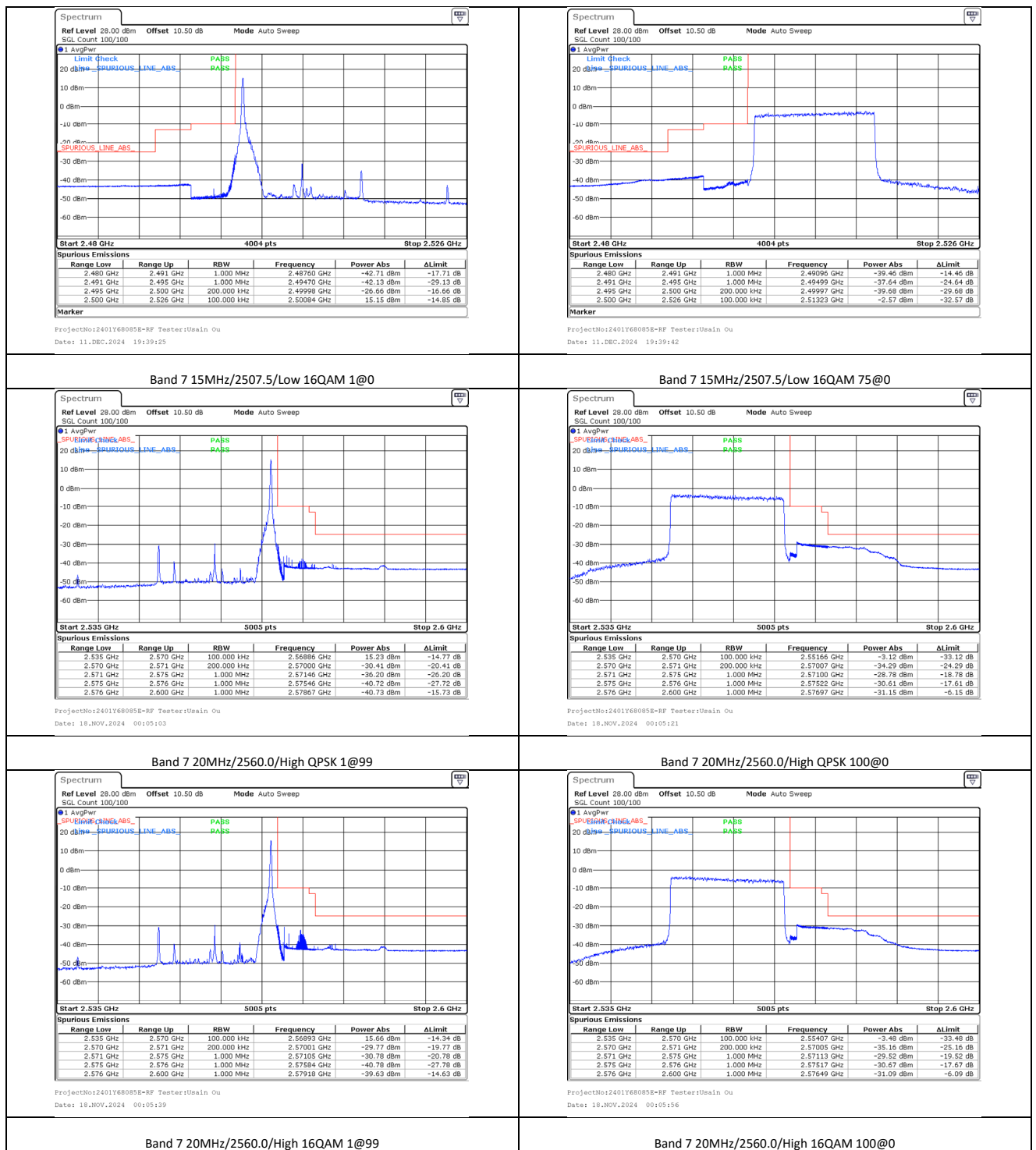


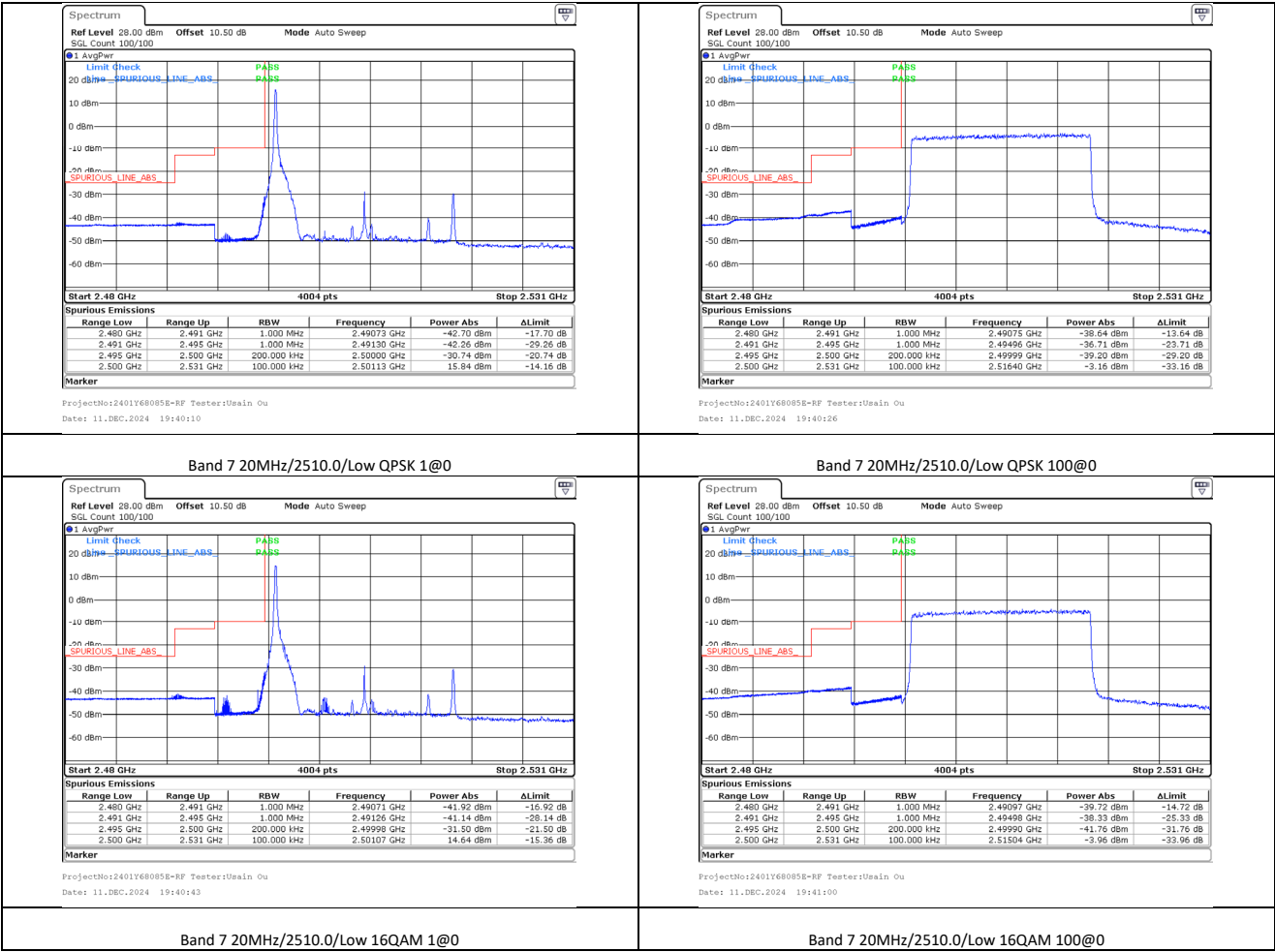












Frequency Stability

Band 4

Test Mode:	QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	NV	1710.0414	1710.000	1754.9505	1755.000
	-20	NV	1710.0462	1710.000	1754.9525	1755.000
	-10	NV	1710.0412	1710.000	1754.9540	1755.000
	0	NV	1710.0435	1710.000	1754.9537	1755.000
	10	NV	1710.0438	1710.000	1754.9511	1755.000
	20	NV	1710.0447	1710.000	1754.9481	1755.000
	30	NV	1710.0426	1710.000	1754.9518	1755.000
	40	NV	1710.0468	1710.000	1754.9534	1755.000
	50	NV	1710.0487	1710.000	1754.9556	1755.000
Frequency Stability vs. Voltage	20	LV	1710.0481	1710.000	1754.9515	1755.000
	20	HV	1710.0458	1710.000	1754.9539	1755.000
					Result:	Pass

Test Mode:	16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	NV	1710.0422	1710.000	1754.9524	1755.000
	-20	NV	1710.0444	1710.000	1754.9555	1755.000
	-10	NV	1710.0486	1710.000	1754.9554	1755.000
	0	NV	1710.0470	1710.000	1754.9517	1755.000
	10	NV	1710.0432	1710.000	1754.9565	1755.000
	20	NV	1710.0468	1710.000	1754.9537	1755.000
	30	NV	1710.0455	1710.000	1754.9550	1755.000
	40	NV	1710.0485	1710.000	1754.9493	1755.000
	50	NV	1710.0428	1710.000	1754.9543	1755.000
Frequency Stability vs. Voltage	20	LV	1710.0435	1710.000	1754.9558	1755.000
	20	HV	1710.0476	1710.000	1754.9535	1755.000
					Result:	Pass

Band 5

Test Modulation:	QPSK		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{bc})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	NV	7.85	0.00938	2.5
	-20	NV	6.29	0.00752	2.5
	-10	NV	3.58	0.00428	2.5
	0	NV	4.61	0.00551	2.5
	10	NV	3.24	0.00387	2.5
	20	NV	4.96	0.00593	2.5
	30	NV	8.33	0.00996	2.5
	40	NV	6.77	0.00809	2.5
	50	NV	5.23	0.00625	2.5
Frequency Stability vs. Voltage	20	LV	1.68	0.00201	2.5
	20	HV	1.33	0.00159	2.5

Test Modulation:	16QAM		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{bc})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	NV	5.01	0.00599	2.5
	-20	NV	3.33	0.00398	2.5
	-10	NV	9.26	0.01107	2.5
	0	NV	-7.33	-0.00876	2.5
	10	NV	5.36	0.00641	2.5
	20	NV	6.29	0.00752	2.5
	30	NV	-1.38	-0.00165	2.5
	40	NV	7.29	0.00871	2.5
	50	NV	4.44	0.00531	2.5
Frequency Stability vs. Voltage	20	LV	3.26	0.00390	2.5
	20	HV	4.29	0.00513	2.5

Band 7

Test Mode:	QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	NV	2500.0444	2500.000	2569.9595	2570.000
	-20	NV	2500.0423	2500.000	2569.9604	2570.000
	-10	NV	2500.0485	2500.000	2569.9565	2570.000
	0	NV	2500.0422	2500.000	2569.9555	2570.000
	10	NV	2500.0436	2500.000	2569.9563	2570.000
	20	NV	2500.0450	2500.000	2569.9542	2570.000
	30	NV	2500.0437	2500.000	2569.9572	2570.000
	40	NV	2500.0449	2500.000	2569.9592	2570.000
	50	NV	2500.0460	2500.000	2569.9587	2570.000
Frequency Stability vs. Voltage	20	LV	2500.0409	2500.000	2569.9604	2570.000
	20	HV	2500.0443	2500.000	2569.9540	2570.000
					Result:	Pass

Test Mode:	16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	NV	2500.0415	2500.000	2569.9551	2570.000
	-20	NV	2500.0417	2500.000	2569.9602	2570.000
	-10	NV	2500.0470	2500.000	2569.9548	2570.000
	0	NV	2500.0479	2500.000	2569.9576	2570.000
	10	NV	2500.0432	2500.000	2569.9567	2570.000
	20	NV	2500.0449	2500.000	2569.9557	2570.000
	30	NV	2500.0450	2500.000	2569.9533	2570.000
	40	NV	2500.0446	2500.000	2569.9599	2570.000
	50	NV	2500.0416	2500.000	2569.9573	2570.000
Frequency Stability vs. Voltage	20	LV	2500.0440	2500.000	2569.9601	2570.000
	20	HV	2500.0472	2500.000	2569.9573	2570.000
					Result:	Pass