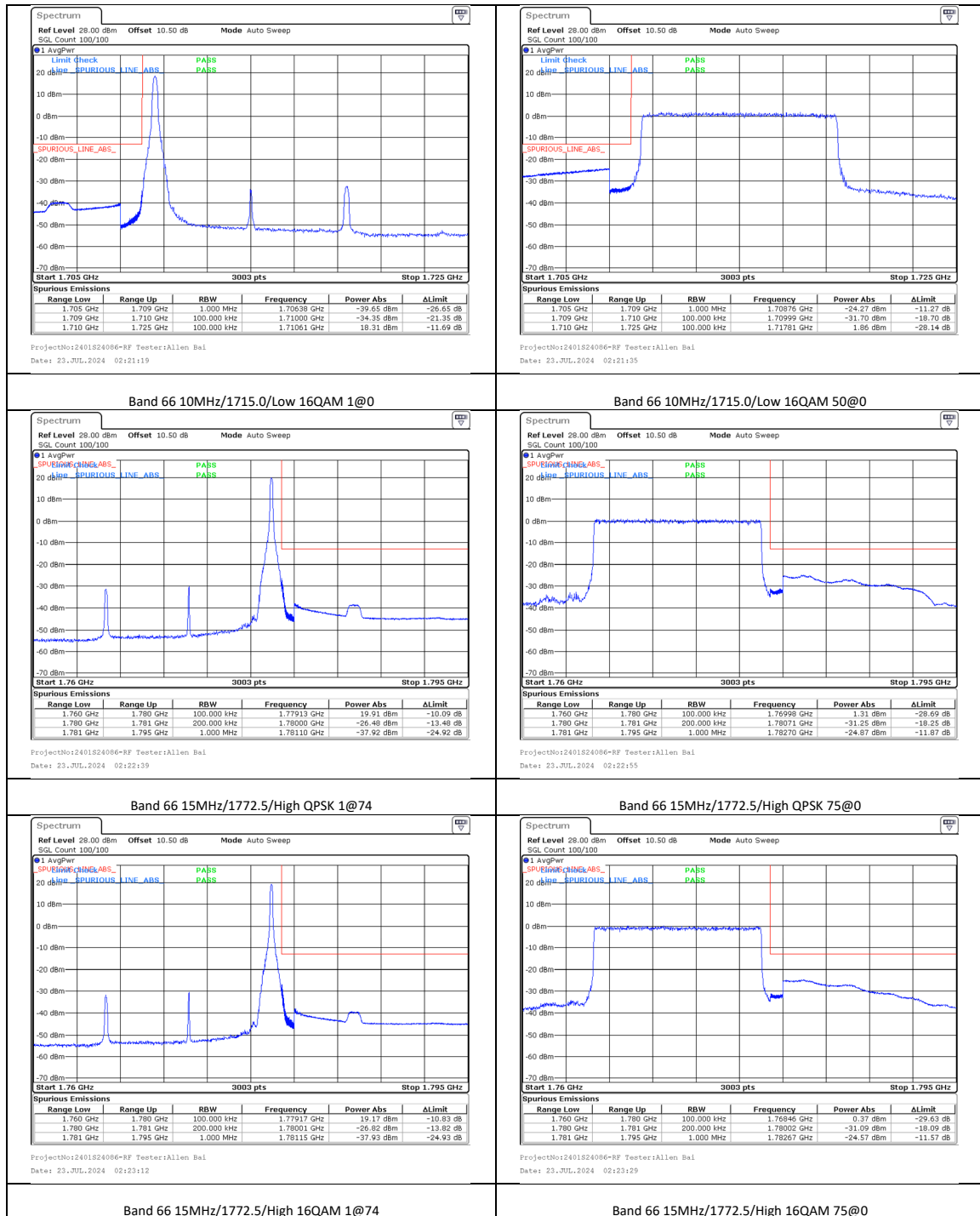
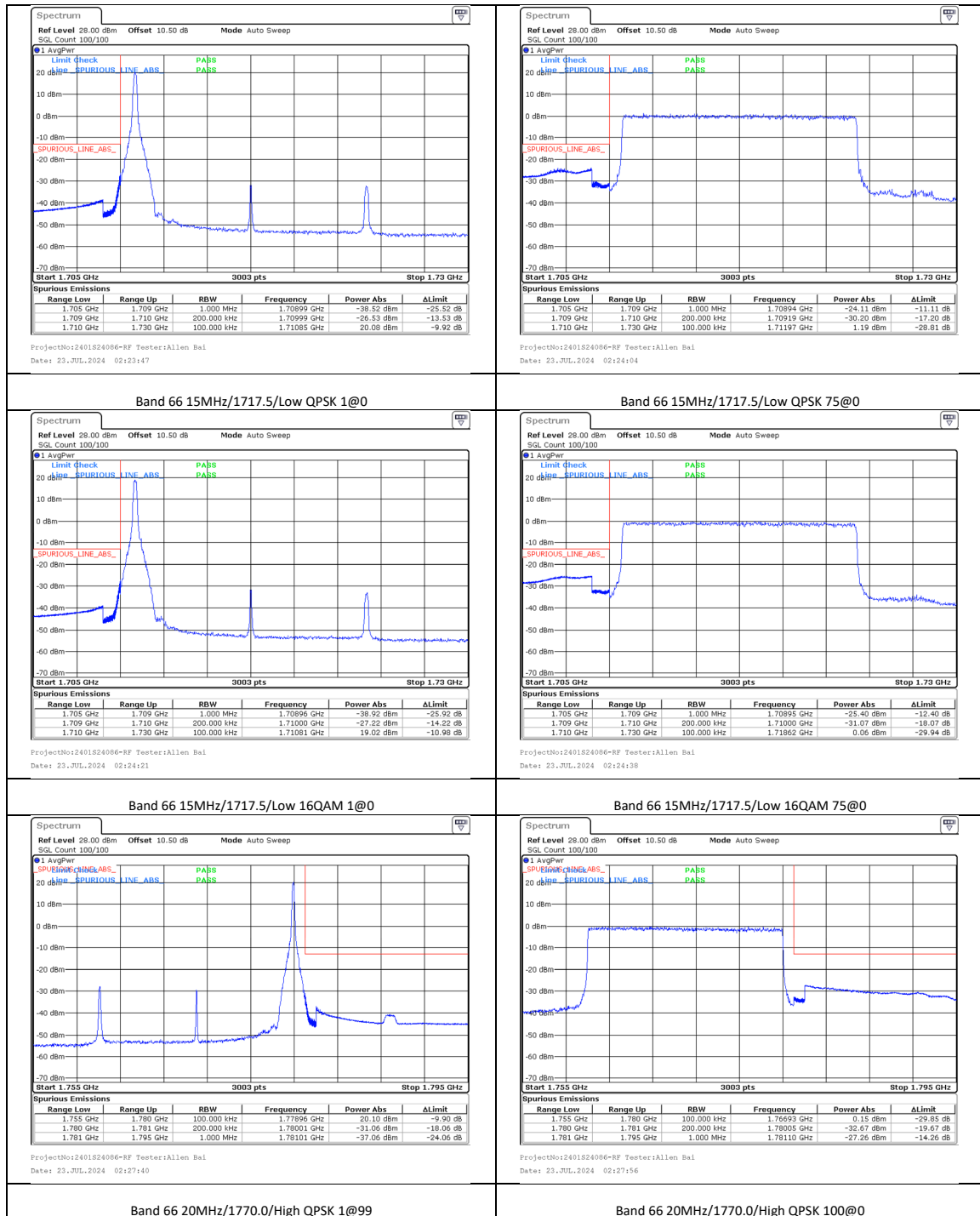
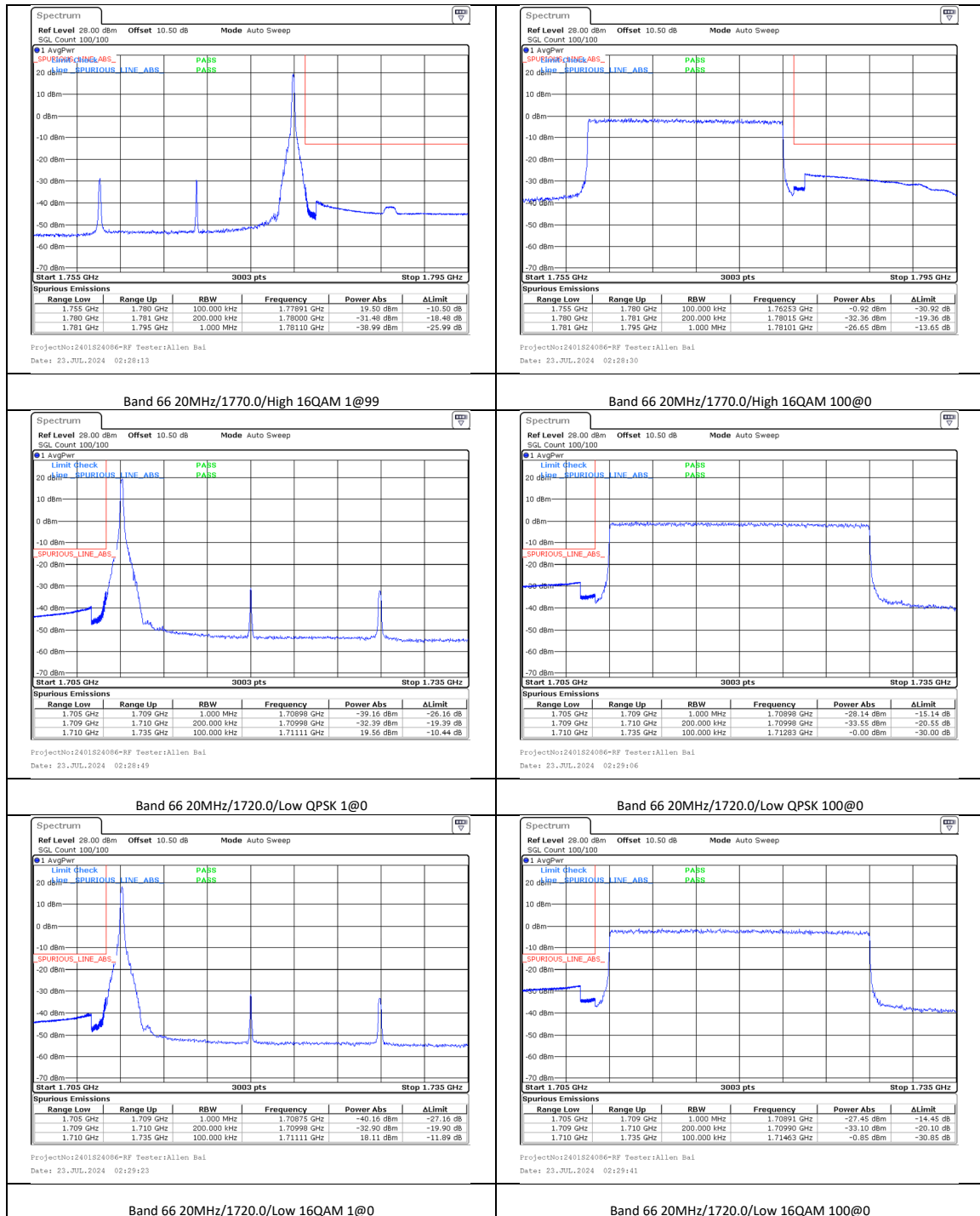
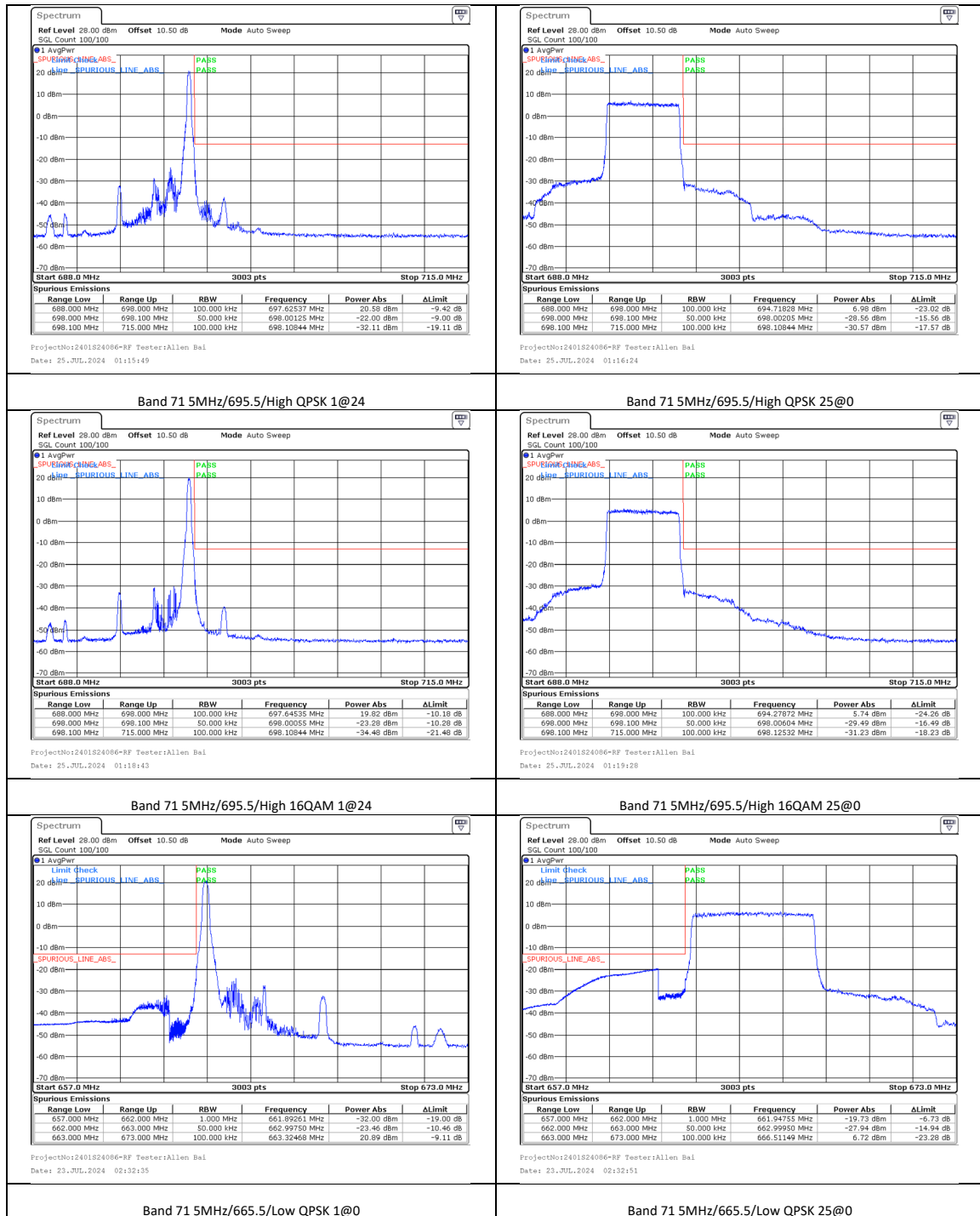
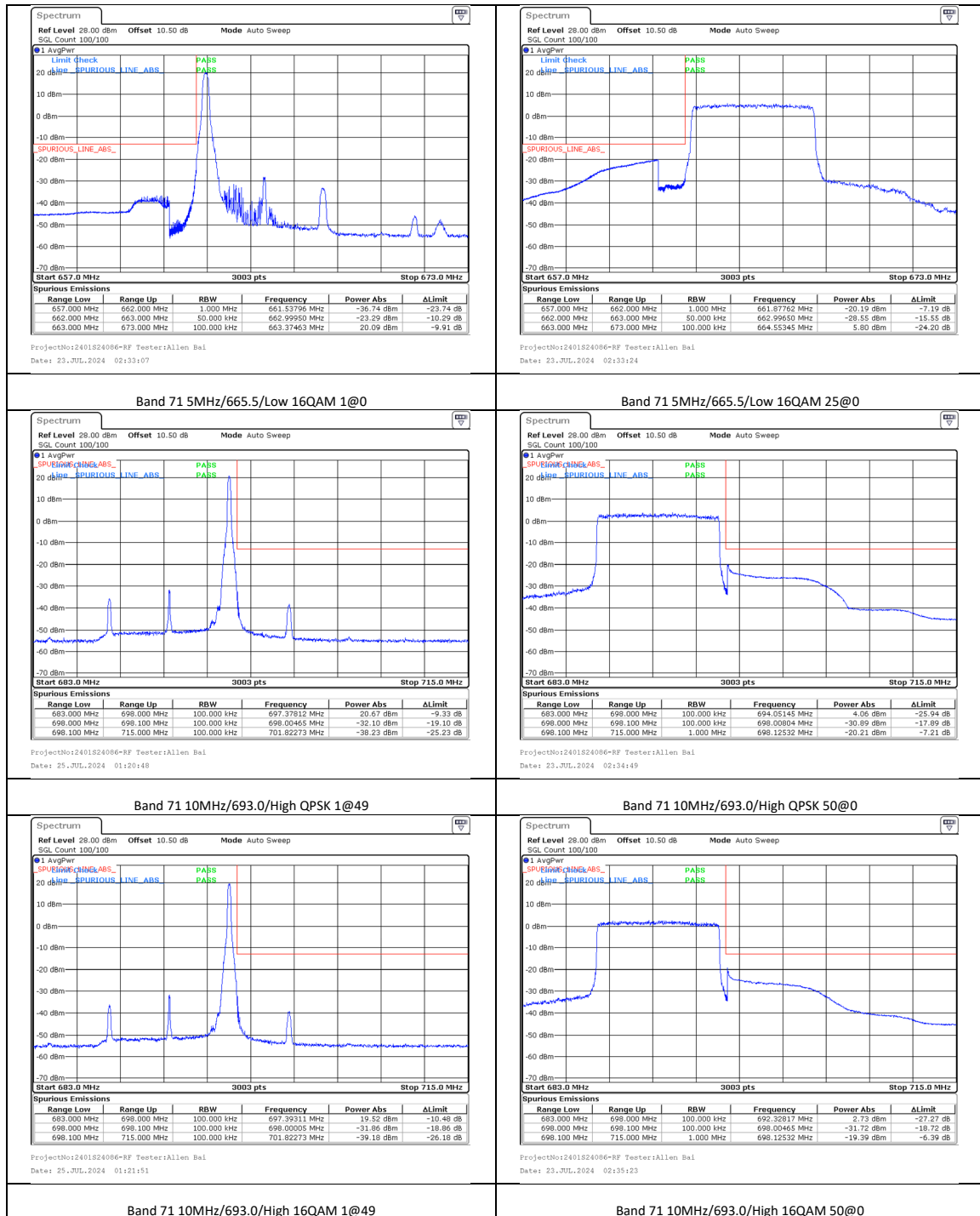


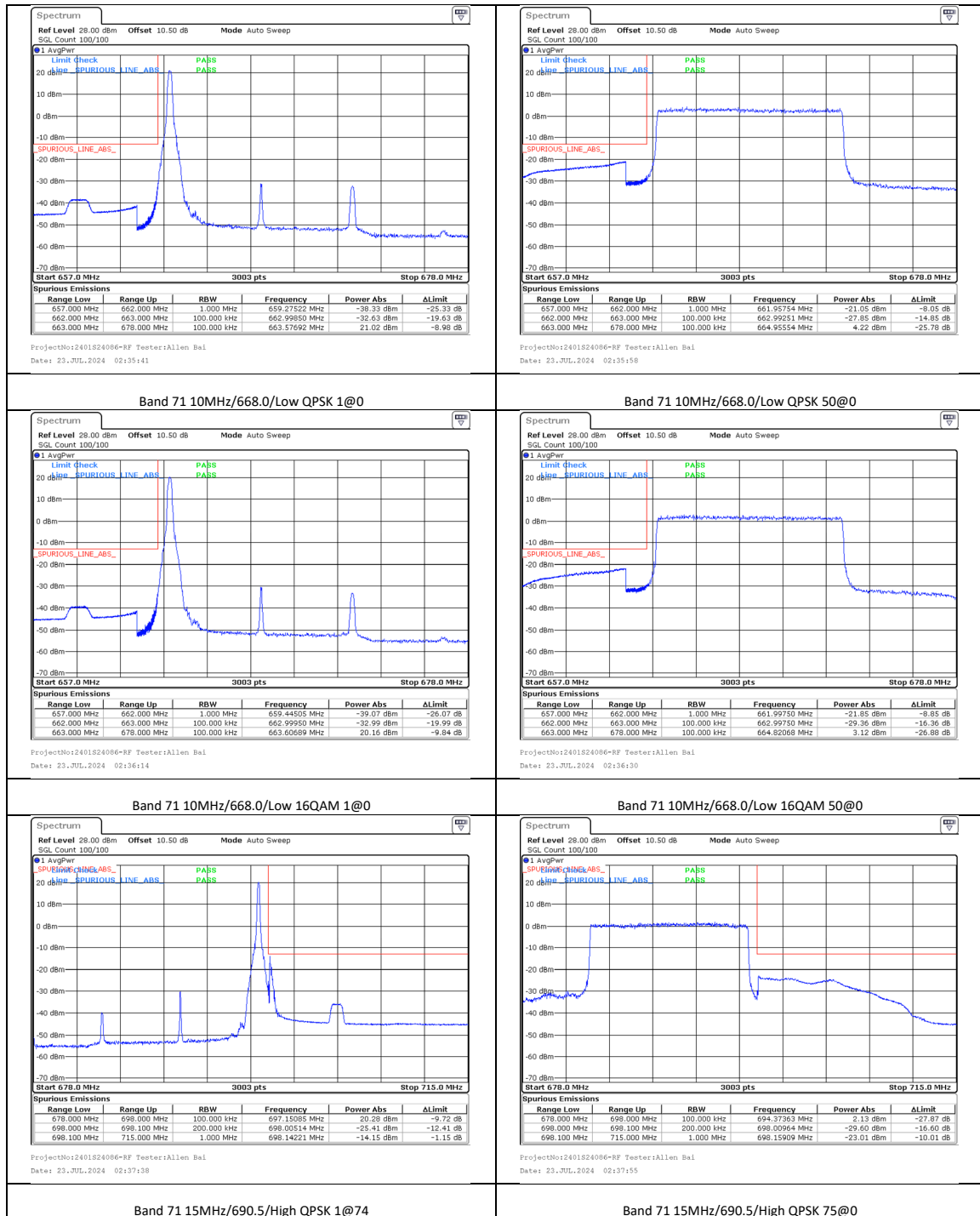


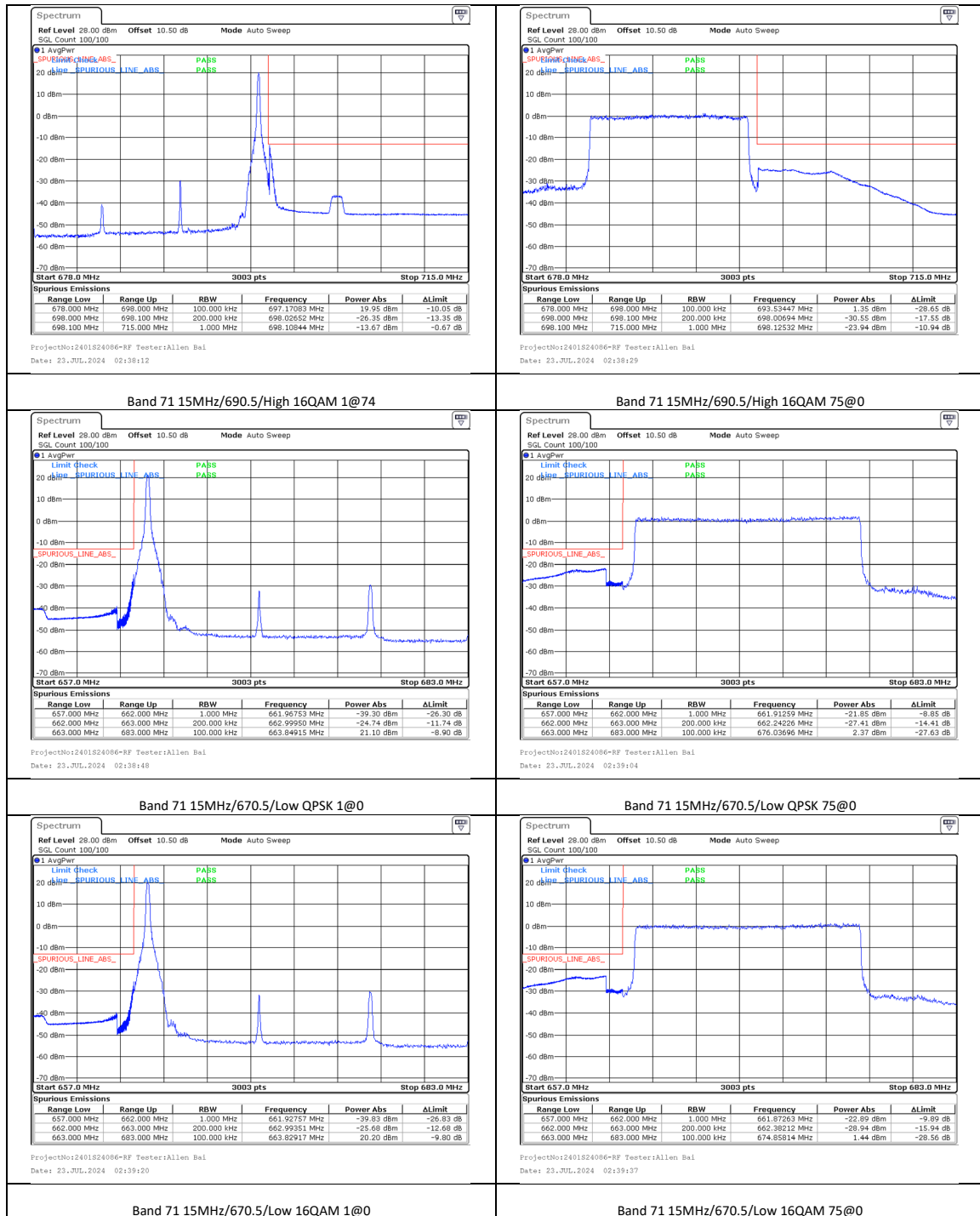


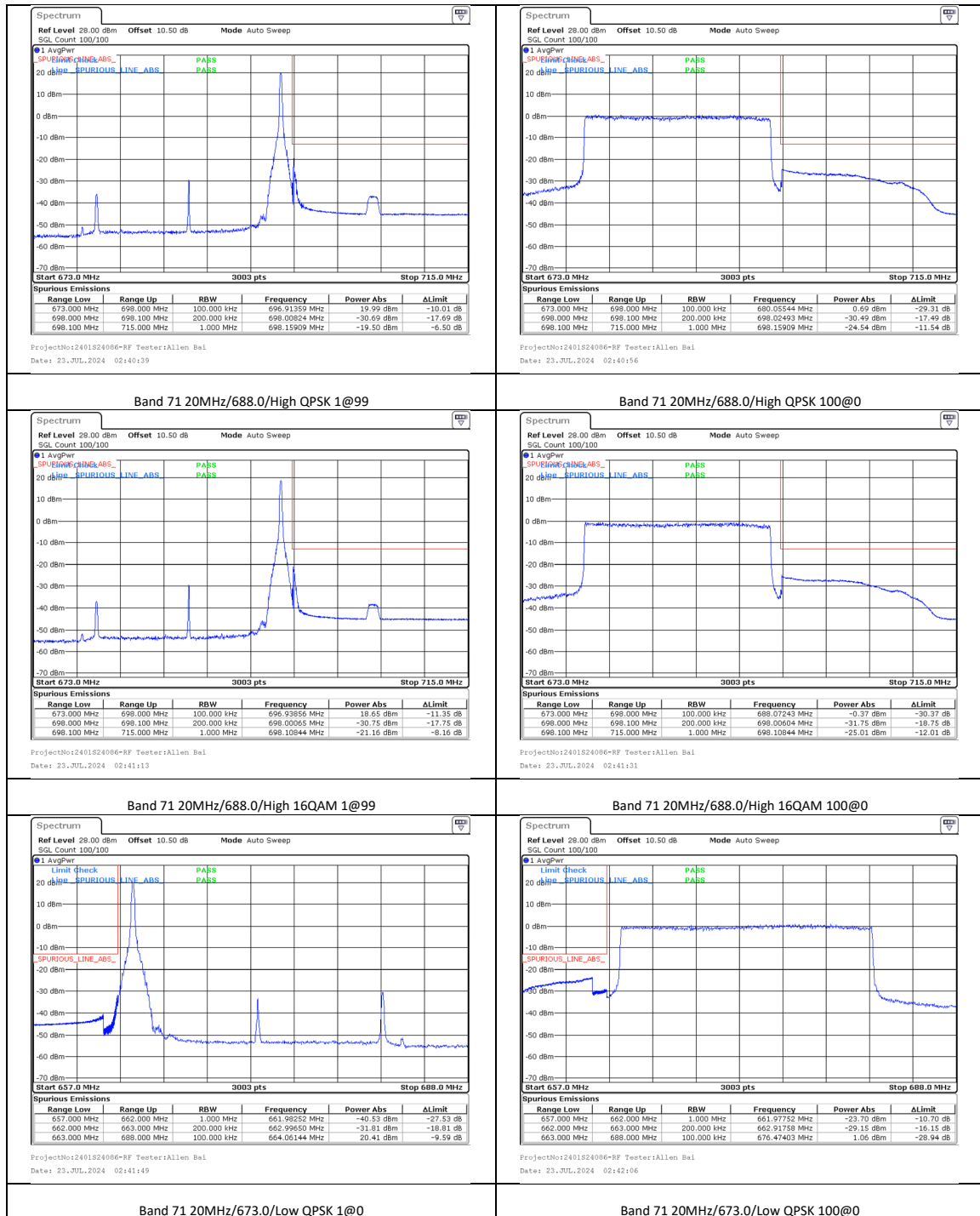


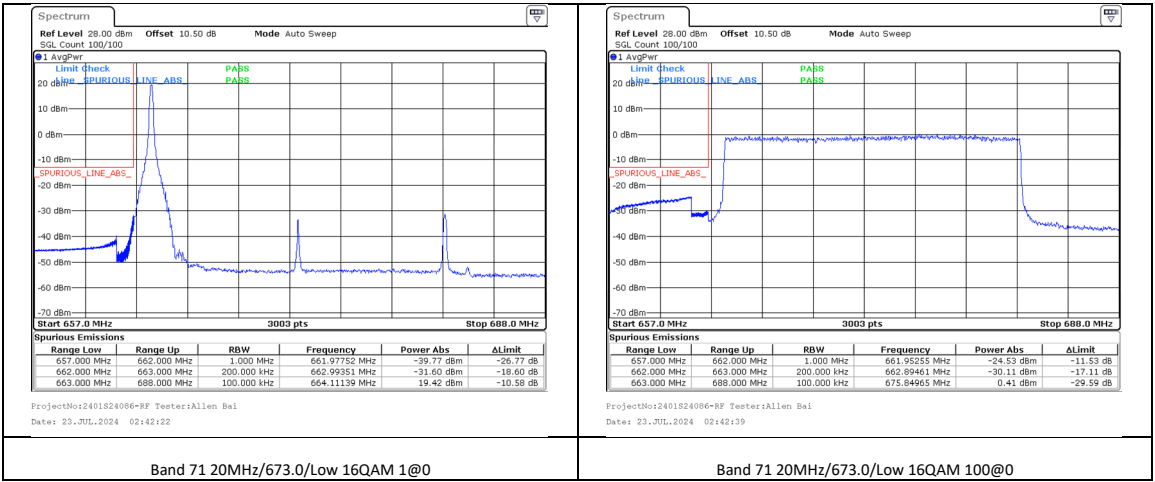












Frequency Stability

Band 2

Test Mode:	20M 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	3.8	1850.148	1850.000	1909.783	1910.000
	-20	3.8	1850.001	1850.000	1909.942	1910.000
	-10	3.8	1850.212	1850.000	1909.999	1910.000
	0	3.8	1850.149	1850.000	1909.842	1910.000
	10	3.8	1850.214	1850.000	1909.869	1910.000
	20	3.8	1850.131	1850.000	1909.777	1910.000
	30	3.8	1850.148	1850.000	1909.773	1910.000
	40	3.8	1850.163	1850.000	1909.905	1910.000
	50	3.8	1850.085	1850.000	1909.882	1910.000
Frequency Stability vs. Voltage	20	3.42	1850.138	1850.000	1909.798	1910.000
	20	4.4	1850.113	1850.000	1909.929	1910.000
Test Mode:	20M 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	3.8	1850.060	1850.000	1909.833	1910.000
	-20	3.8	1850.084	1850.000	1909.859	1910.000
	-10	3.8	1850.023	1850.000	1909.764	1910.000
	0	3.8	1850.033	1850.000	1909.958	1910.000
	10	3.8	1850.193	1850.000	1909.909	1910.000
	20	3.8	1850.117	1850.000	1909.739	1910.000
	30	3.8	1850.262	1850.000	1909.808	1910.000
	40	3.8	1850.147	1850.000	1909.700	1910.000
	50	3.8	1850.029	1850.000	1909.704	1910.000
Frequency Stability vs. Voltage	20	3.42	1850.040	1850.000	1909.808	1910.000
	20	4.4	1850.134	1850.000	1909.757	1910.000
					Result:	Pass

Band 4

Test Mode:	20M 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	3.8	1710.046	1710.00	1754.664	1755.00
	-20	3.8	1710.385	1710.00	1754.974	1755.00
	-10	3.8	1710.162	1710.00	1754.598	1755.00
	0	3.8	1710.127	1710.00	1754.807	1755.00
	10	3.8	1710.355	1710.00	1754.945	1755.00
	20	3.8	1710.111	1710.00	1754.877	1755.00
	30	3.8	1710.112	1710.00	1754.628	1755.00
	40	3.8	1710.241	1710.00	1754.867	1755.00
	50	3.8	1710.145	1710.00	1754.962	1755.00
Frequency Stability vs. Voltage	20	3.42	1710.289	1710.00	1754.668	1755.00
	20	4.4	1710.232	1710.00	1754.544	1755.00
Test Mode:	20M 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	3.8	1710.158	1710.00	1754.800	1755.00
	-20	3.8	1710.060	1710.00	1754.997	1755.00
	-10	3.8	1710.247	1710.00	1754.587	1755.00
	0	3.8	1710.380	1710.00	1754.550	1755.00
	10	3.8	1710.172	1710.00	1754.946	1755.00
	20	3.8	1710.075	1710.00	1754.772	1755.00
	30	3.8	1710.316	1710.00	1754.895	1755.00
	40	3.8	1710.035	1710.00	1754.919	1755.00
	50	3.8	1710.212	1710.00	1754.635	1755.00
Frequency Stability vs. Voltage	20	3.42	1710.214	1710.00	1754.834	1755.00
	20	4.4	1710.079	1710.00	1754.578	1755.00
					Result:	Pass

Band 5

Test Modulation:	10 MHz QPSK		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	7.86	0.009	2.5
	-20	3.8	5.80	0.007	2.5
	-10	3.8	8.69	0.010	2.5
	0	3.8	4.58	0.005	2.5
	10	3.8	7.95	0.010	2.5
	20	3.8	5.68	0.007	2.5
	30	3.8	7.58	0.009	2.5
	40	3.8	6.88	0.008	2.5
	50	3.8	5.24	0.006	2.5
Frequency Stability vs. Voltage	20	3.42	3.48	0.004	2.5
	20	4.4	3.25	0.004	2.5
Test Modulation:	10 MHz 16QAM		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	7.58	0.009	2.5
	-20	3.8	4.95	0.006	2.5
	-10	3.8	5.85	0.007	2.5
	0	3.8	5.39	0.006	2.5
	10	3.8	5.47	0.007	2.5
	20	3.8	6.84	0.008	2.5
	30	3.8	3.58	0.004	2.5
	40	3.8	5.74	0.007	2.5
	50	3.8	4.91	0.006	2.5
Frequency Stability vs. Voltage	20	3.42	6.05	0.007	2.5
	20	4.4	4.28	0.005	2.5
Result:				Pass	

Band 7

Test Mode:	20M 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	3.8	2500.118	2500.00	2569.580	2570.00
	-20	3.8	2500.052	2500.00	2569.720	2570.00
	-10	3.8	2500.011	2500.00	2569.808	2570.00
	0	3.8	2500.083	2500.00	2569.952	2570.00
	10	3.8	2500.227	2500.00	2569.509	2570.00
	20	3.8	2500.250	2500.00	2569.824	2570.00
	30	3.8	2500.278	2500.00	2569.563	2570.00
	40	3.8	2500.108	2500.00	2569.810	2570.00
	50	3.8	2500.071	2500.00	2569.533	2570.00
Frequency Stability vs. Voltage	20	3.42	2500.090	2500.00	2569.688	2570.00
	20	4.4	2500.257	2500.00	2569.993	2570.00
Test Mode:	20M 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	3.8	2500.117	2500.00	2569.712	2570.00
	-20	3.8	2500.396	2500.00	2569.909	2570.00
	-10	3.8	2500.214	2500.00	2569.727	2570.00
	0	3.8	2500.151	2500.00	2569.897	2570.00
	10	3.8	2500.395	2500.00	2569.949	2570.00
	20	3.8	2500.154	2500.00	2569.872	2570.00
	30	3.8	2500.358	2500.00	2569.696	2570.00
	40	3.8	2500.276	2500.00	2569.684	2570.00
	50	3.8	2500.096	2500.00	2569.923	2570.00
Frequency Stability vs. Voltage	20	3.42	2500.210	2500.00	2569.506	2570.00
	20	4.4	2500.142	2500.00	2569.662	2570.00
					Result:	Pass

Band 12

Test Mode:	10M 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	3.8	699.022	699.00	715.906	716.00
	-20	3.8	699.345	699.00	715.859	716.00
	-10	3.8	699.170	699.00	715.863	716.00
	0	3.8	699.376	699.00	715.912	716.00
	10	3.8	699.147	699.00	715.962	716.00
	20	3.8	699.096	699.00	715.943	716.00
	30	3.8	699.181	699.00	715.806	716.00
	40	3.8	699.311	699.00	715.941	716.00
	50	3.8	699.369	699.00	715.894	716.00
Frequency Stability vs. Voltage	20	3.42	699.141	699.00	715.847	716.00
	20	4.4	699.264	699.00	715.909	716.00
Test Mode:	10M 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	3.8	699.142	699.00	715.873	716.00
	-20	3.8	699.152	699.00	715.951	716.00
	-10	3.8	699.290	699.00	715.972	716.00
	0	3.8	699.293	699.00	715.883	716.00
	10	3.8	699.166	699.00	715.880	716.00
	20	3.8	699.200	699.00	715.896	716.00
	30	3.8	699.332	699.00	715.862	716.00
	40	3.8	699.142	699.00	715.927	716.00
	50	3.8	699.126	699.00	715.941	716.00
Frequency Stability vs. Voltage	20	3.42	699.423	699.00	715.943	716.00
	20	4.4	699.456	699.00	715.983	716.00
					Result:	Pass

Band 13

Test Mode:	10M 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	3.8	777.451	777.00	786.857	787.00
	-20	3.8	777.194	777.00	786.966	787.00
	-10	3.8	777.047	777.00	786.800	787.00
	0	3.8	777.036	777.00	786.927	787.00
	10	3.8	777.247	777.00	786.997	787.00
	20	3.8	777.074	777.00	786.881	787.00
	30	3.8	777.345	777.00	786.855	787.00
	40	3.8	777.207	777.00	786.961	787.00
	50	3.8	777.312	777.00	786.963	787.00
Frequency Stability vs. Voltage	20	3.42	777.398	777.00	786.962	787.00
	20	4.4	777.075	777.00	786.979	787.00
Test Mode:	10M 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	3.8	777.429	777.00	786.859	787.00
	-20	3.8	777.096	777.00	786.848	787.00
	-10	3.8	777.109	777.00	786.909	787.00
	0	3.8	777.230	777.00	786.852	787.00
	10	3.8	777.373	777.00	786.916	787.00
	20	3.8	777.323	777.00	786.978	787.00
	30	3.8	777.121	777.00	786.862	787.00
	40	3.8	777.034	777.00	786.886	787.00
	50	3.8	777.104	777.00	786.956	787.00
Frequency Stability vs. Voltage	20	3.42	777.043	777.00	786.895	787.00
	20	4.4	777.203	777.00	786.950	787.00
					Result:	Pass

Band 14

Test Modulation:	10 MHz QPSK		Test Channel:	793	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	6.27	0.008	2.5
	-20	3.8	7.25	0.009	2.5
	-10	3.8	7.36	0.009	2.5
	0	3.8	5.28	0.007	2.5
	10	3.8	4.22	0.005	2.5
	20	3.8	5.37	0.007	2.5
	30	3.8	5.69	0.007	2.5
	40	3.8	1.58	0.002	2.5
	50	3.8	2.78	0.004	2.5
Frequency Stability vs. Voltage	20	3.42	6.45	0.008	2.5
	20	4.4	3.48	0.004	2.5
Test Modulation:	10 MHz 16QAM		Test Channel:	793	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	3.68	0.005	2.5
	-20	3.8	2.77	0.003	2.5
	-10	3.8	4.95	0.006	2.5
	0	3.8	7.56	0.010	2.5
	10	3.8	4.88	0.006	2.5
	20	3.8	5.42	0.007	2.5
	30	3.8	4.25	0.005	2.5
	40	3.8	1.22	0.002	2.5
	50	3.8	3.56	0.004	2.5
Frequency Stability vs. Voltage	20	3.42	3.67	0.005	2.5
	20	4.4	7.22	0.009	2.5
				Result:	Pass

Band 17

Test Mode:	10M 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	3.8	704.272	704.00	715.884	716.00
	-20	3.8	704.393	704.00	715.940	716.00
	-10	3.8	704.363	704.00	715.883	716.00
	0	3.8	704.059	704.00	715.884	716.00
	10	3.8	704.394	704.00	715.891	716.00
	20	3.8	704.350	704.00	715.912	716.00
	30	3.8	704.402	704.00	715.881	716.00
	40	3.8	704.357	704.00	715.874	716.00
	50	3.8	704.355	704.00	715.811	716.00
Frequency Stability vs. Voltage	20	3.42	704.388	704.00	715.906	716.00
	20	4.4	704.414	704.00	715.889	716.00
Test Mode:	10M 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	3.8	704.013	704.00	715.987	716.00
	-20	3.8	704.472	704.00	715.906	716.00
	-10	3.8	704.421	704.00	715.833	716.00
	0	3.8	704.237	704.00	715.915	716.00
	10	3.8	704.500	704.00	715.886	716.00
	20	3.8	704.063	704.00	715.969	716.00
	30	3.8	704.358	704.00	715.998	716.00
	40	3.8	704.396	704.00	715.821	716.00
	50	3.8	704.411	704.00	715.881	716.00
Frequency Stability vs. Voltage	20	3.42	704.355	704.00	715.836	716.00
	20	4.4	704.293	704.00	715.808	716.00
					Result:	Pass

Band 25

Test Mode:	20M 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	3.8	1850.090	1850.000	1914.925	1915.000
	-20	3.8	1850.295	1850.000	1914.886	1915.000
	-10	3.8	1850.399	1850.000	1914.992	1915.000
	0	3.8	1850.127	1850.000	1914.873	1915.000
	10	3.8	1850.428	1850.000	1914.865	1915.000
	20	3.8	1850.392	1850.000	1914.849	1915.000
	30	3.8	1850.142	1850.000	1914.900	1915.000
	40	3.8	1850.011	1850.000	1914.830	1915.000
	50	3.8	1850.406	1850.000	1914.966	1915.000
Frequency Stability vs. Voltage	20	3.42	1850.314	1850.000	1914.830	1915.000
	20	4.4	1850.076	1850.000	1914.985	1915.000
Test Mode:	20M 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	3.8	1850.191	1850.000	1914.896	1915.000
	-20	3.8	1850.225	1850.000	1914.957	1915.000
	-10	3.8	1850.261	1850.000	1914.953	1915.000
	0	3.8	1850.486	1850.000	1914.820	1915.000
	10	3.8	1850.278	1850.000	1914.970	1915.000
	20	3.8	1850.077	1850.000	1914.897	1915.000
	30	3.8	1850.483	1850.000	1914.900	1915.000
	40	3.8	1850.386	1850.000	1914.902	1915.000
	50	3.8	1850.286	1850.000	1914.912	1915.000
Frequency Stability vs. Voltage	20	3.42	1850.051	1850.000	1914.909	1915.000
	20	4.4	1850.383	1850.000	1914.801	1915.000
					Result:	Pass

Band 66

Test Mode:	20M 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	3.8	1710.267	1710.00	1779.982	1780.00
	-20	3.8	1710.220	1710.00	1779.857	1780.00
	-10	3.8	1710.028	1710.00	1779.837	1780.00
	0	3.8	1710.193	1710.00	1779.962	1780.00
	10	3.8	1710.310	1710.00	1779.836	1780.00
	20	3.8	1710.241	1710.00	1779.925	1780.00
	30	3.8	1710.185	1710.00	1779.908	1780.00
	40	3.8	1710.495	1710.00	1779.802	1780.00
	50	3.8	1710.224	1710.00	1779.815	1780.00
Frequency Stability vs. Voltage	20	3.42	1710.398	1710.00	1779.968	1780.00
	20	4.4	1710.257	1710.00	1779.976	1780.00
Test Mode:	20M 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	3.8	1710.117	1710.00	1779.854	1780.00
	-20	3.8	1710.112	1710.00	1779.978	1780.00
	-10	3.8	1710.429	1710.00	1779.958	1780.00
	0	3.8	1710.196	1710.00	1779.932	1780.00
	10	3.8	1710.272	1710.00	1779.822	1780.00
	20	3.8	1710.144	1710.00	1779.936	1780.00
	30	3.8	1710.424	1710.00	1779.881	1780.00
	40	3.8	1710.413	1710.00	1779.829	1780.00
	50	3.8	1710.208	1710.00	1779.977	1780.00
Frequency Stability vs. Voltage	20	3.42	1710.087	1710.00	1779.855	1780.00
	20	4.4	1710.008	1710.00	1779.978	1780.00
					Result:	Pass

Band 71

Test Mode:	20M 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	3.8	663.396	663.00	697.984	698.00
	-20	3.8	663.486	663.00	697.920	698.00
	-10	3.8	663.413	663.00	697.857	698.00
	0	3.8	663.020	663.00	697.992	698.00
	10	3.8	663.119	663.00	697.844	698.00
	20	3.8	663.163	663.00	697.864	698.00
	30	3.8	663.360	663.00	697.929	698.00
	40	3.8	663.314	663.00	697.808	698.00
	50	3.8	663.151	663.00	697.871	698.00
Frequency Stability vs. Voltage	20	3.42	663.004	663.00	697.935	698.00
	20	4.4	663.011	663.00	697.831	698.00
Test Mode:	20M 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	3.8	663.237	663.00	697.811	698.00
	-20	3.8	663.014	663.00	697.864	698.00
	-10	3.8	663.211	663.00	697.840	698.00
	0	3.8	663.428	663.00	697.927	698.00
	10	3.8	663.263	663.00	697.899	698.00
	20	3.8	663.463	663.00	697.985	698.00
	30	3.8	663.280	663.00	697.836	698.00
	40	3.8	663.087	663.00	697.913	698.00
	50	3.8	663.244	663.00	697.949	698.00
Frequency Stability vs. Voltage	20	3.42	663.249	663.00	697.946	698.00
	20	4.4	663.102	663.00	697.914	698.00
					Result:	Pass