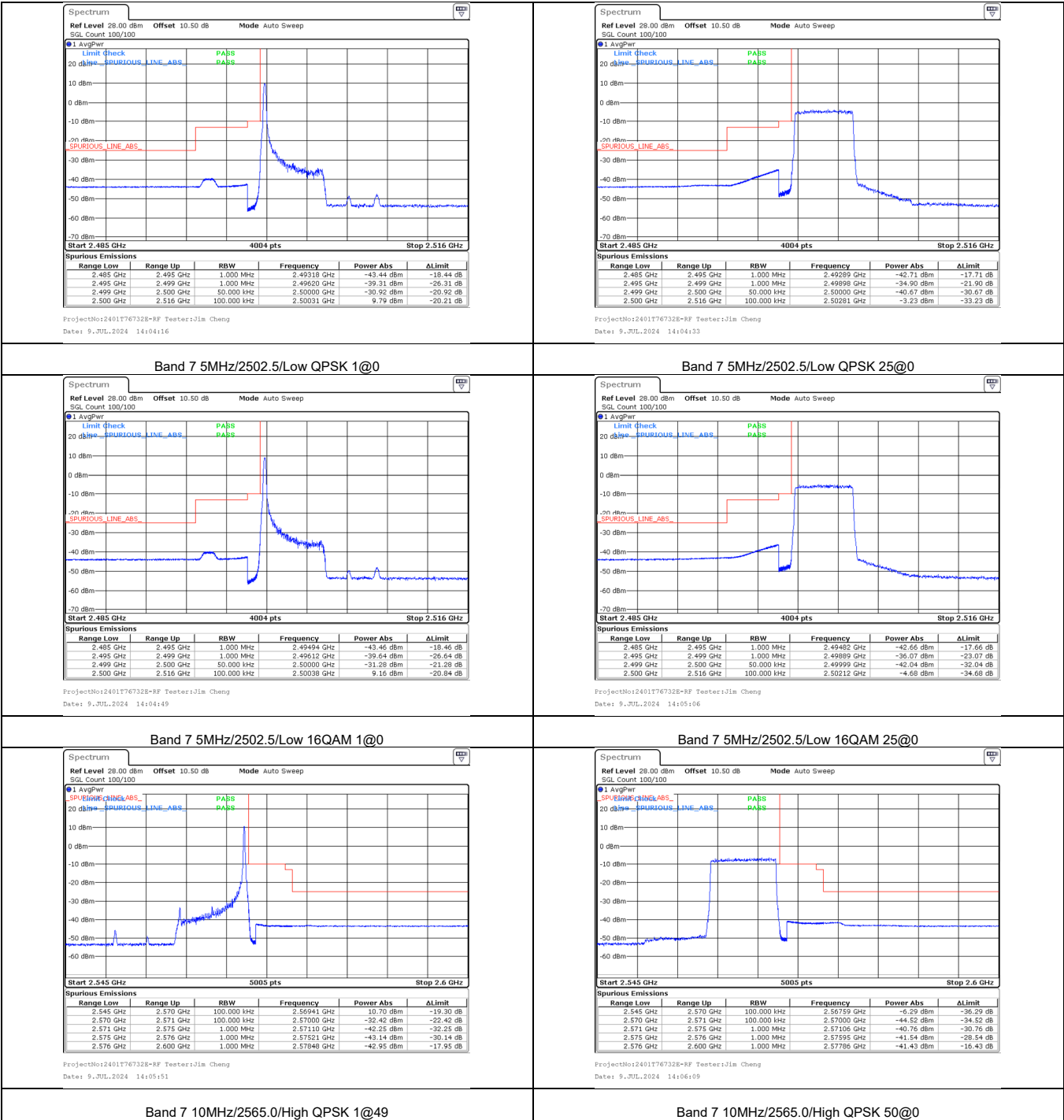
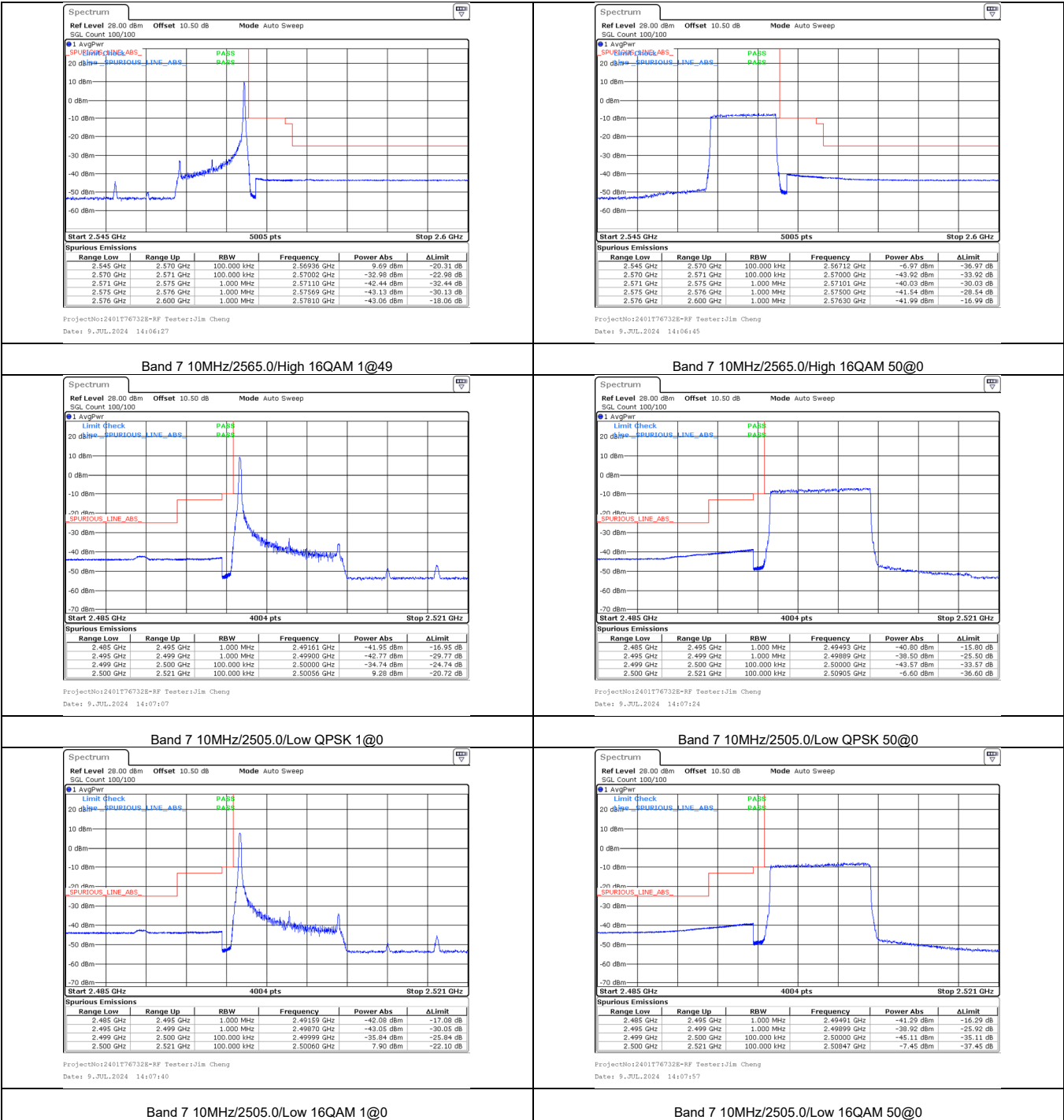
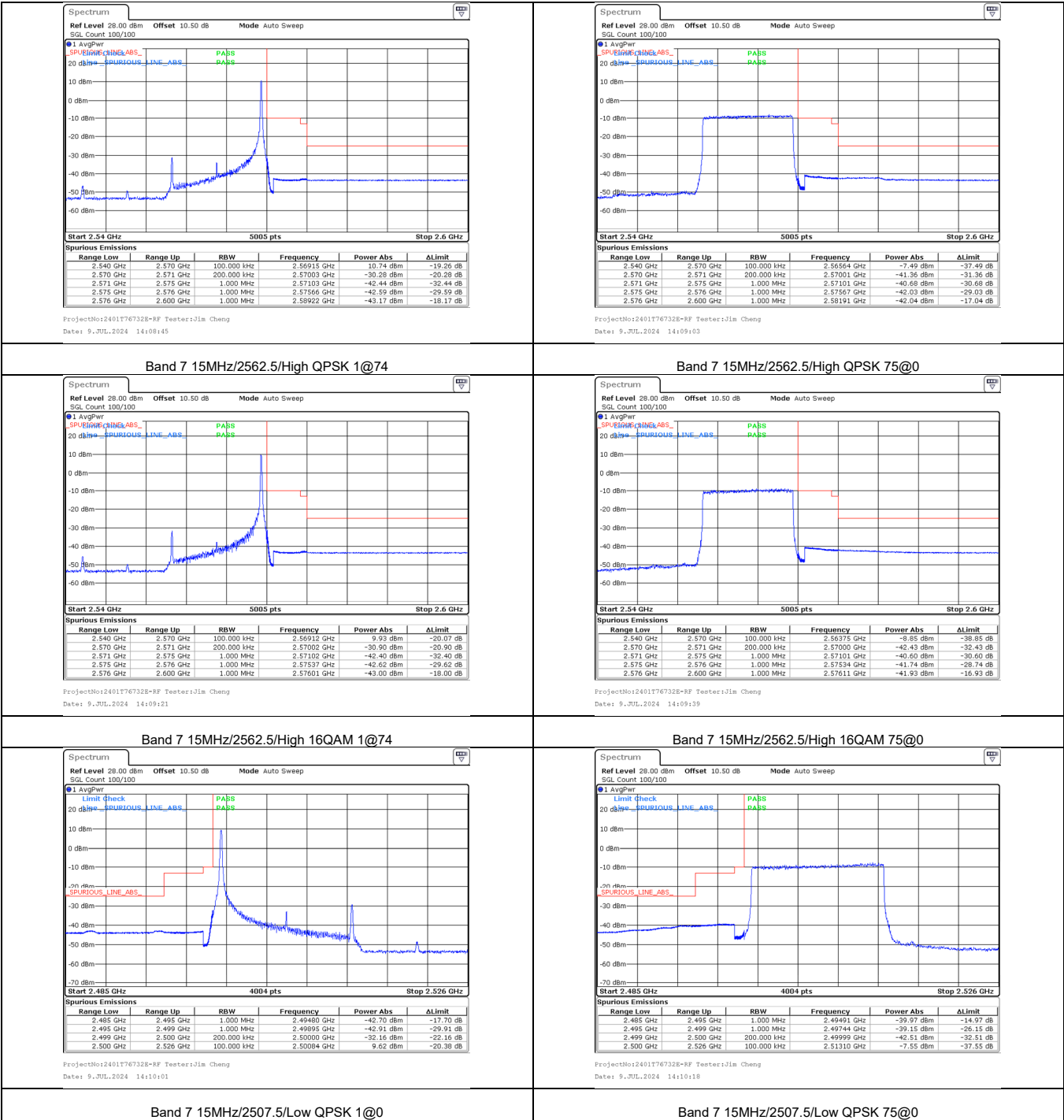
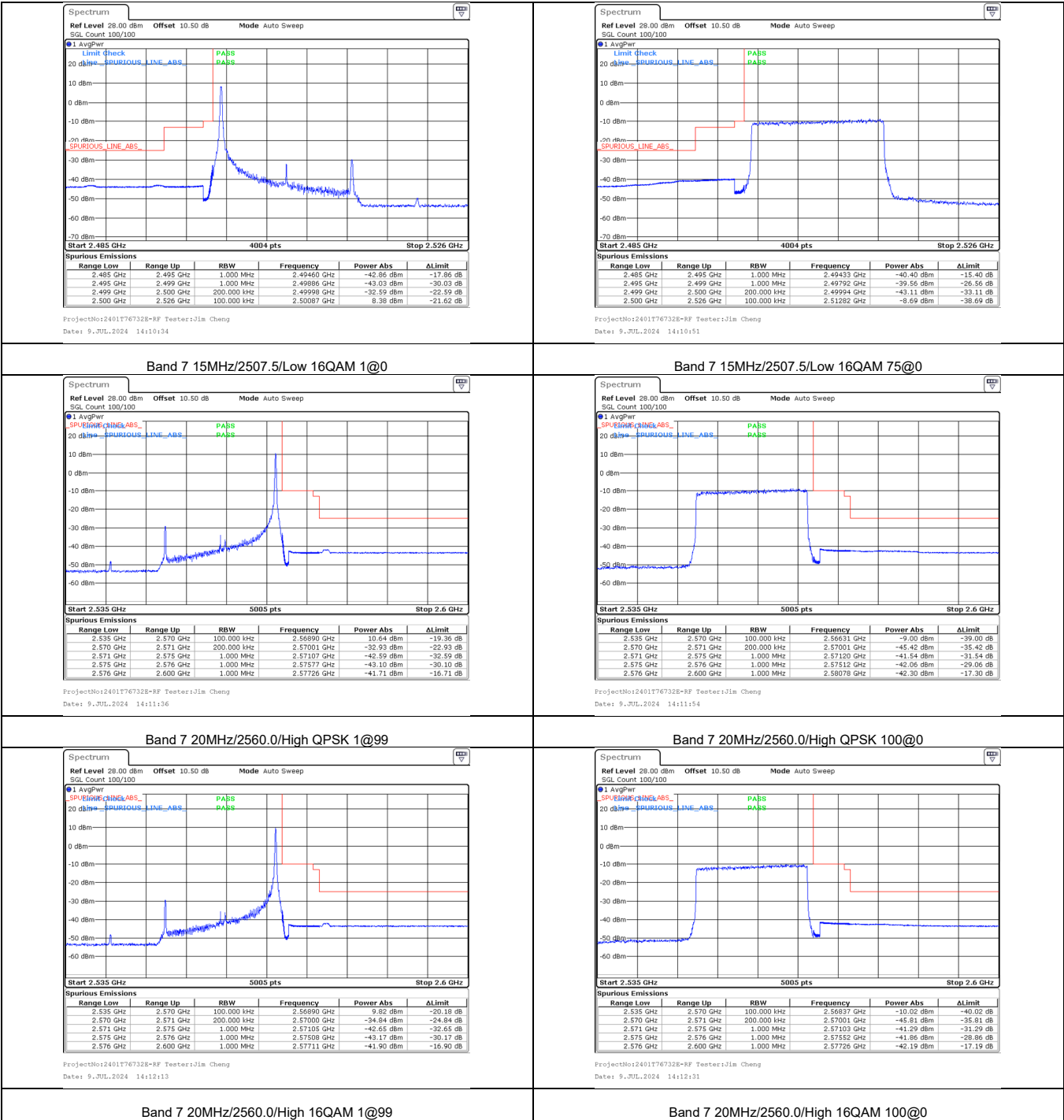
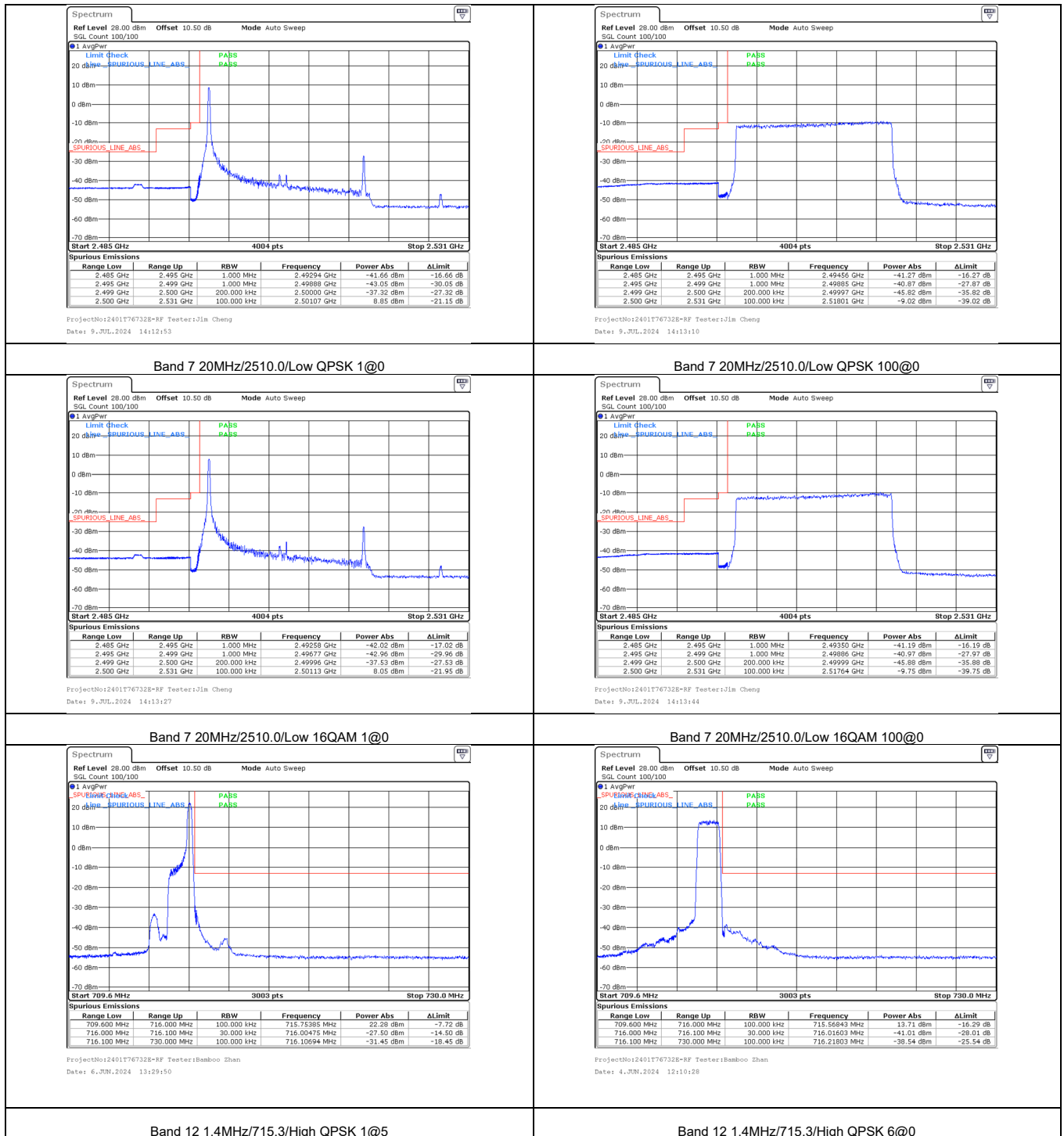


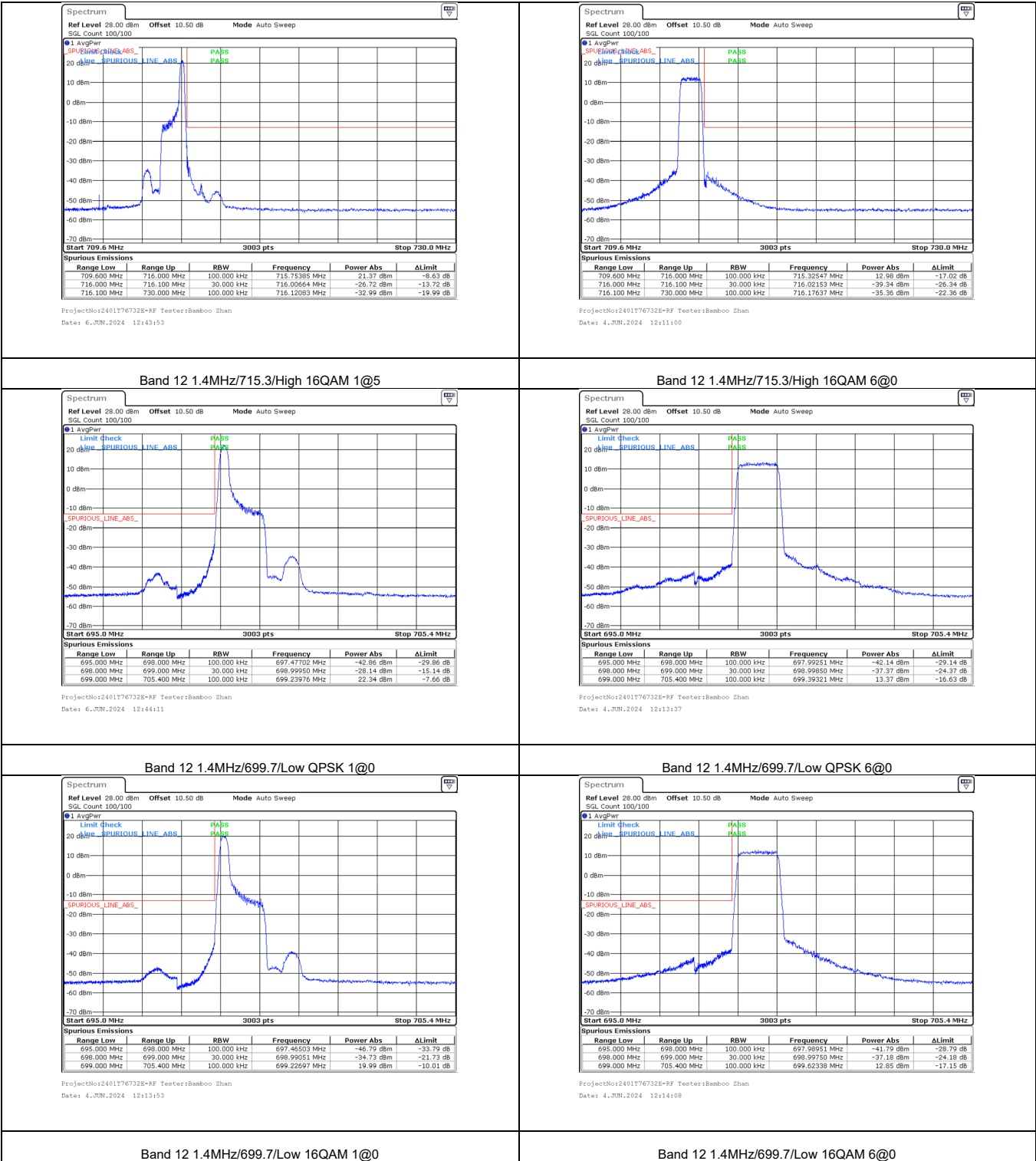


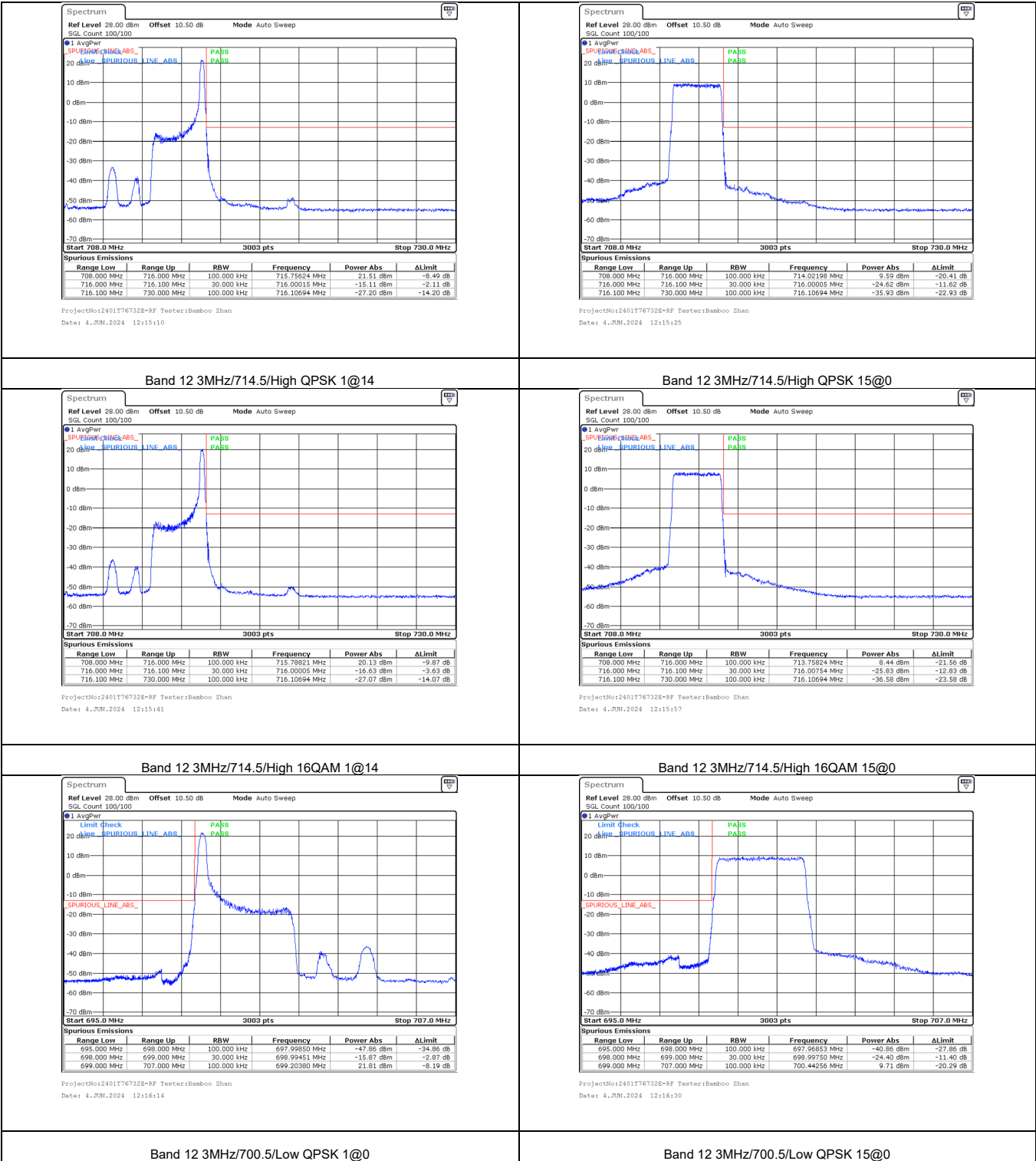


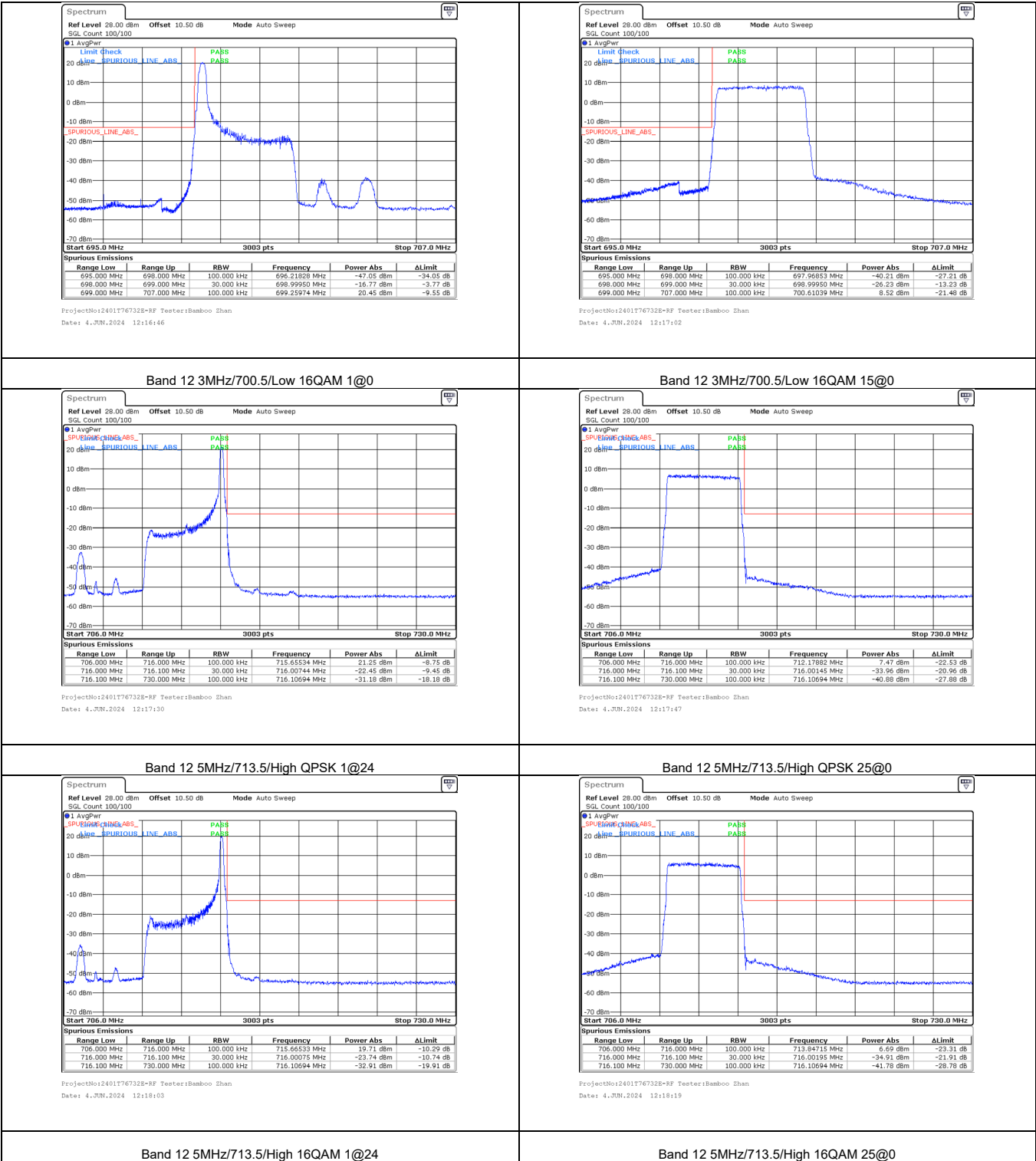


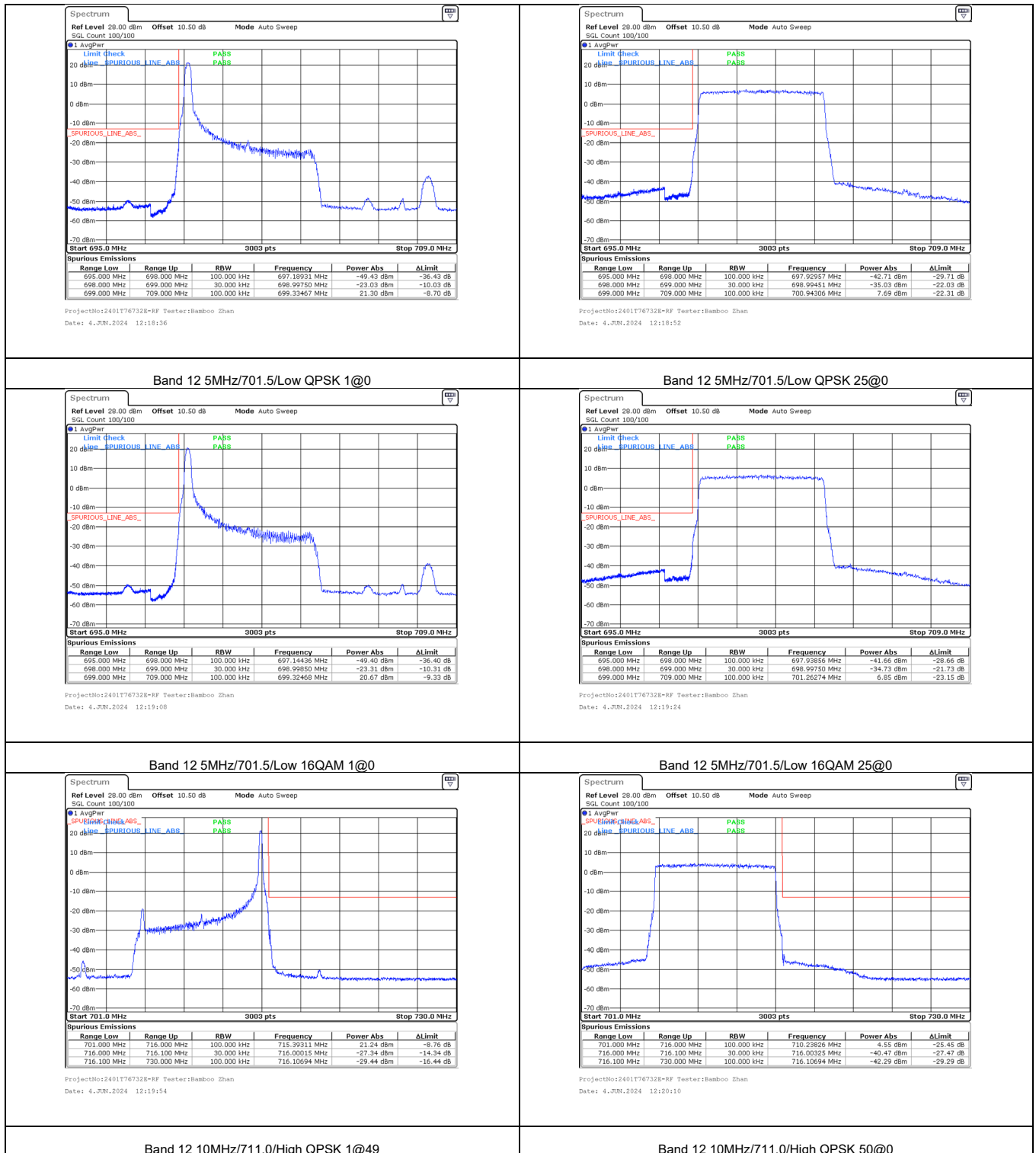


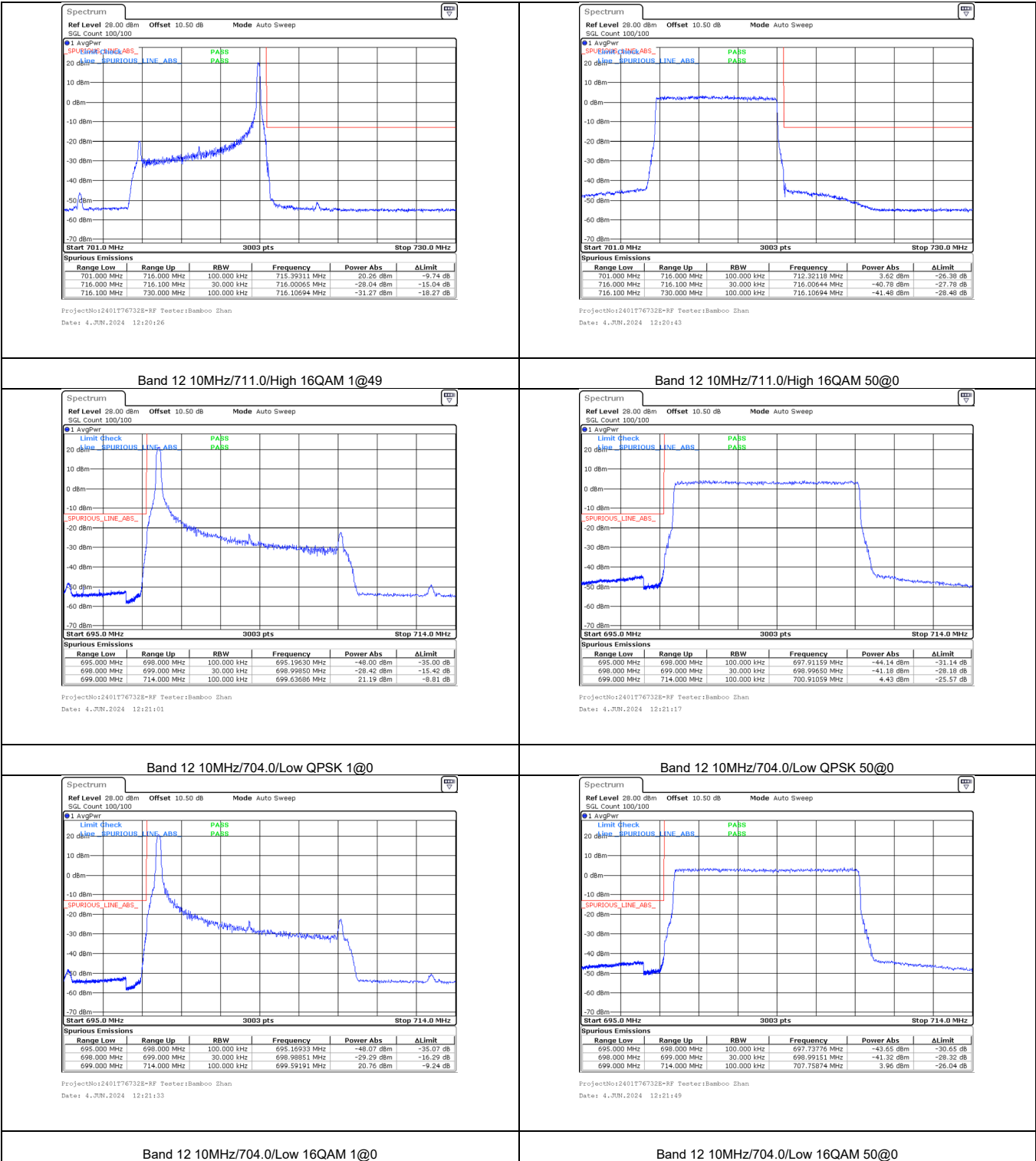


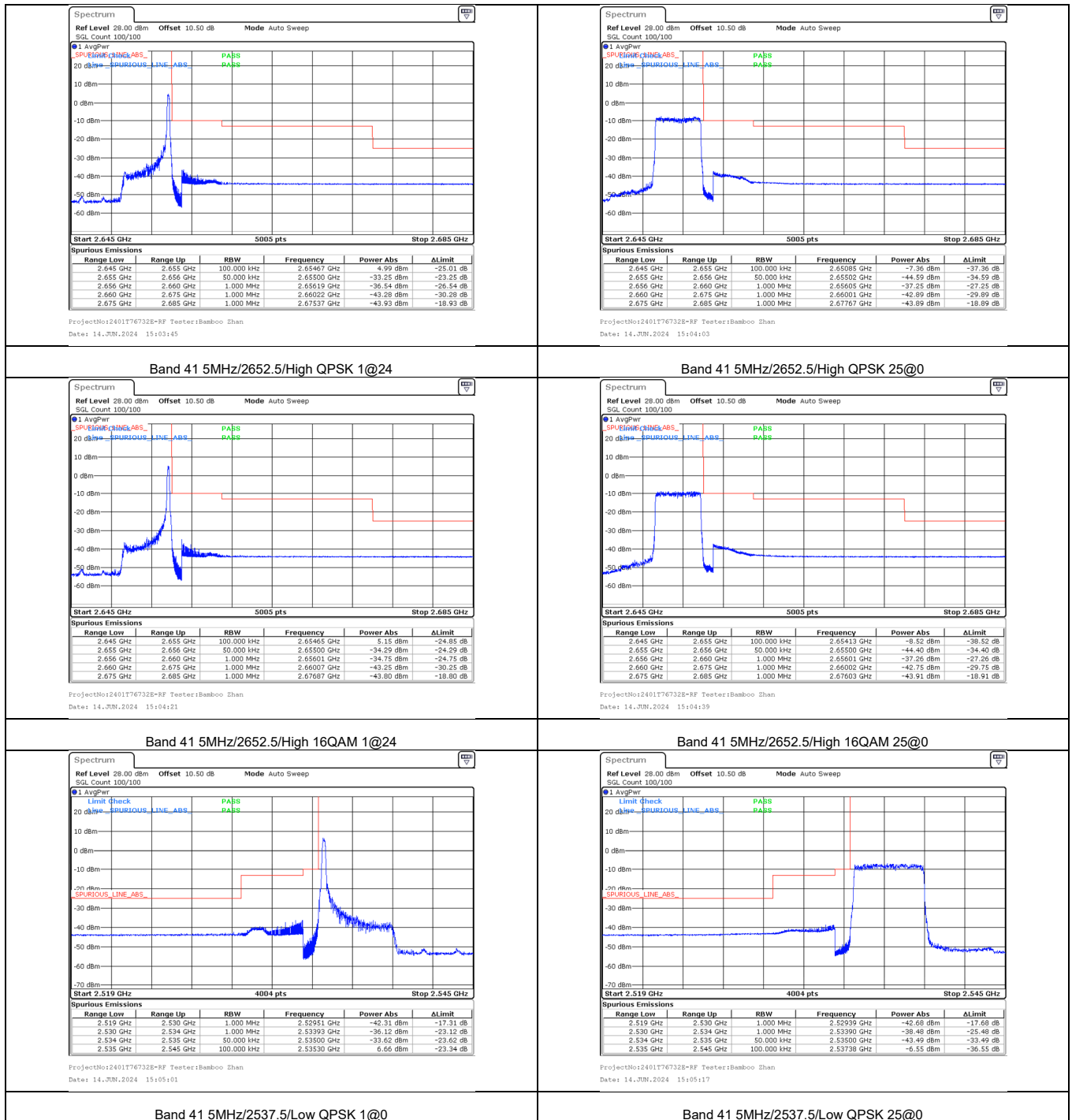


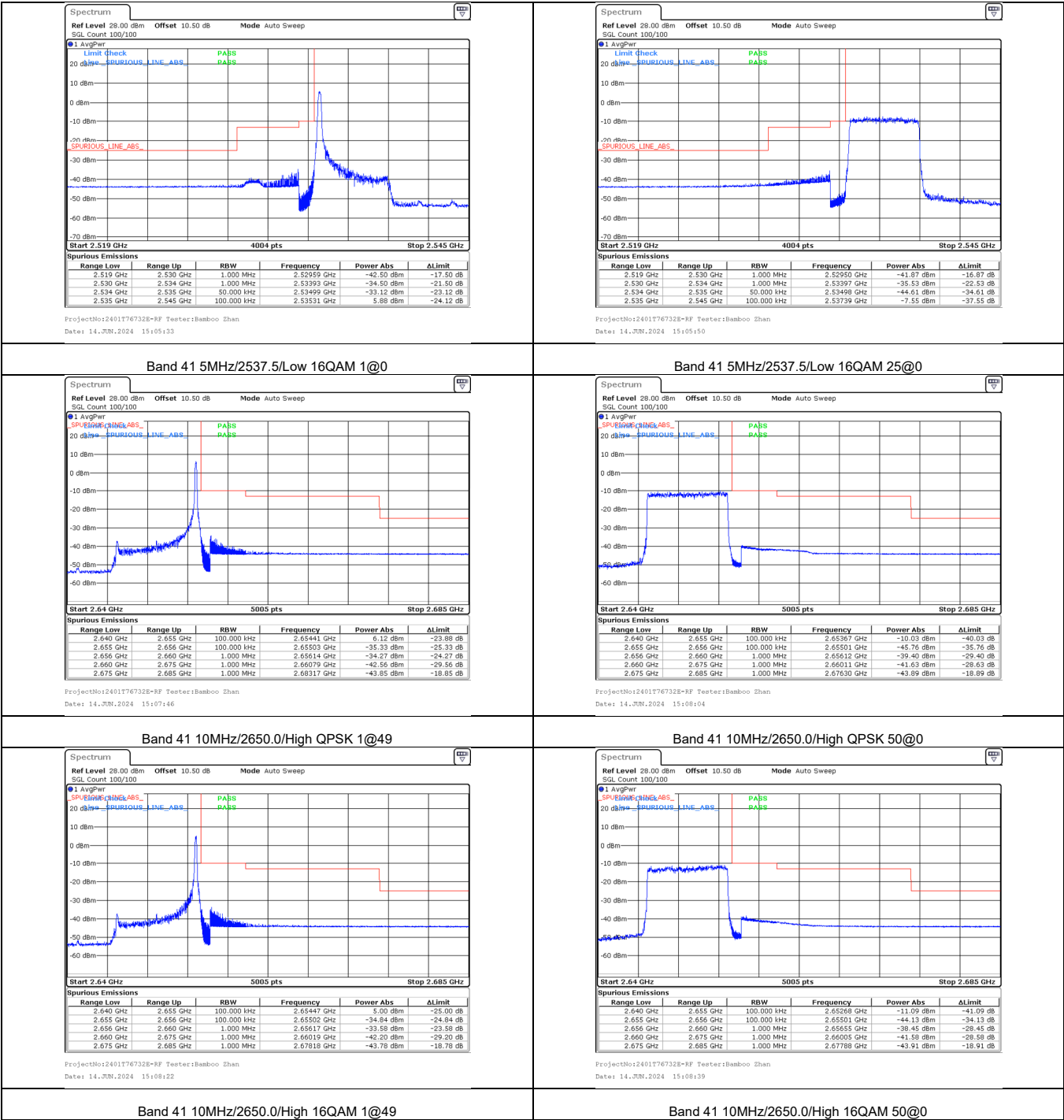


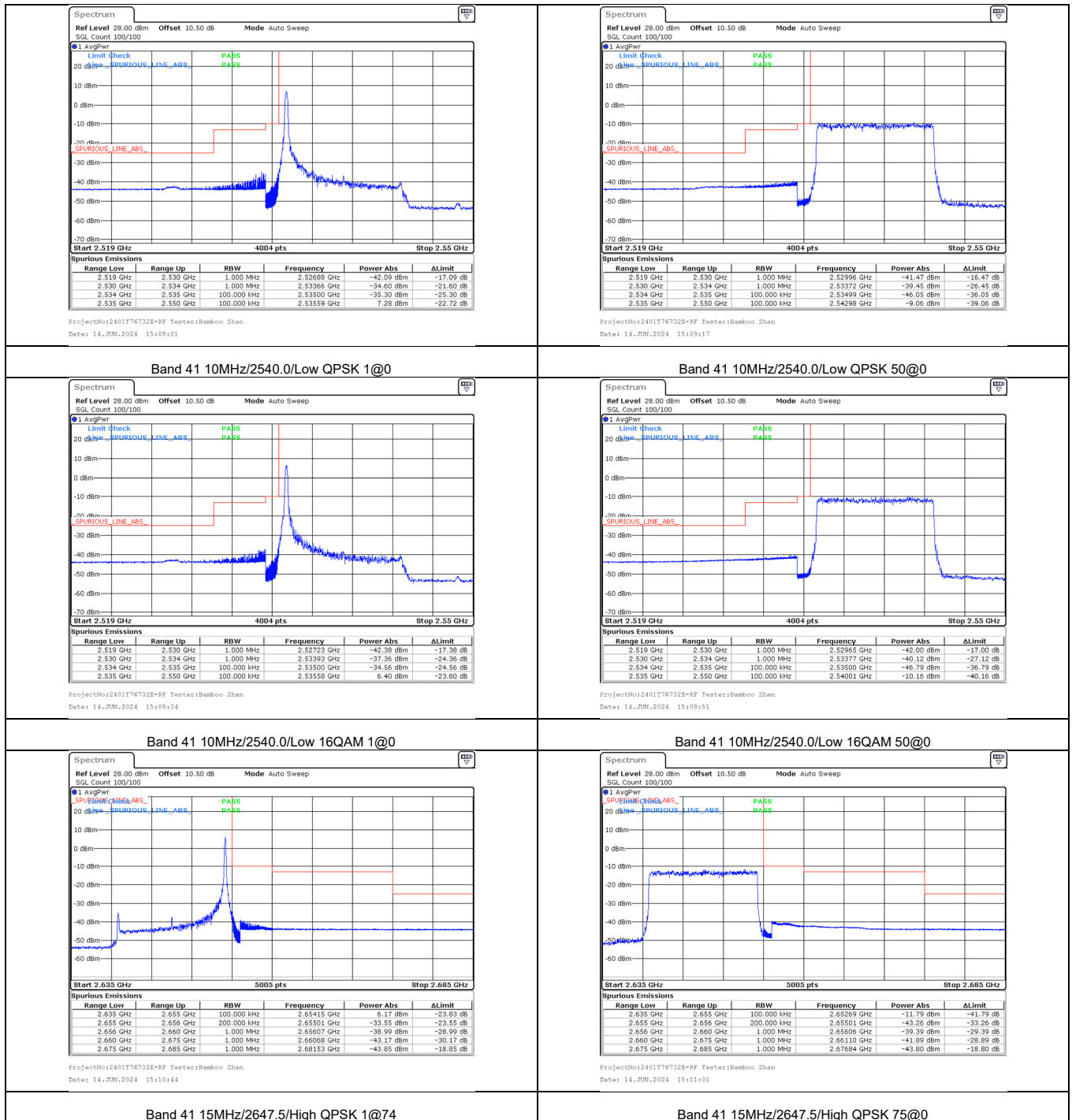


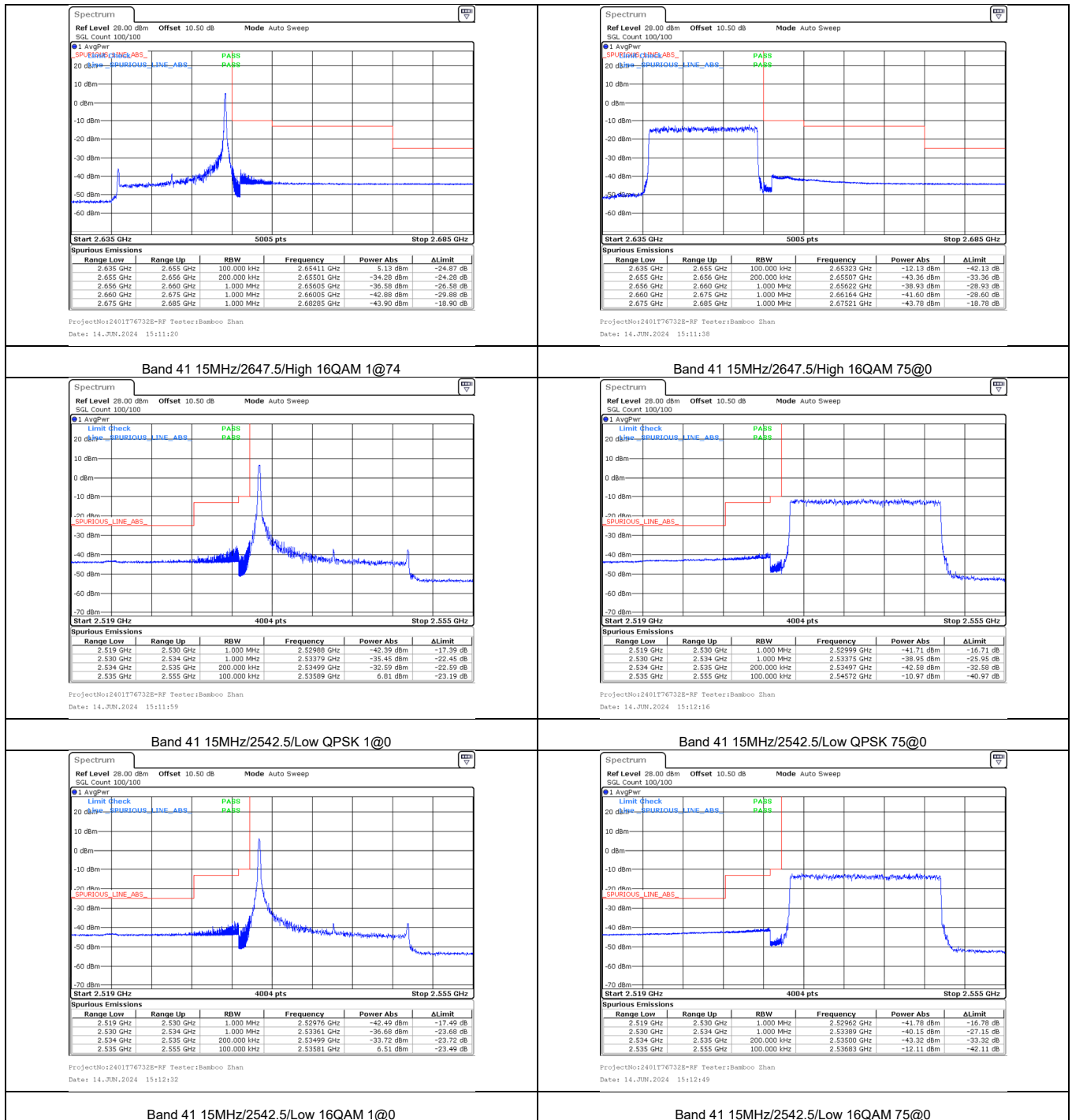


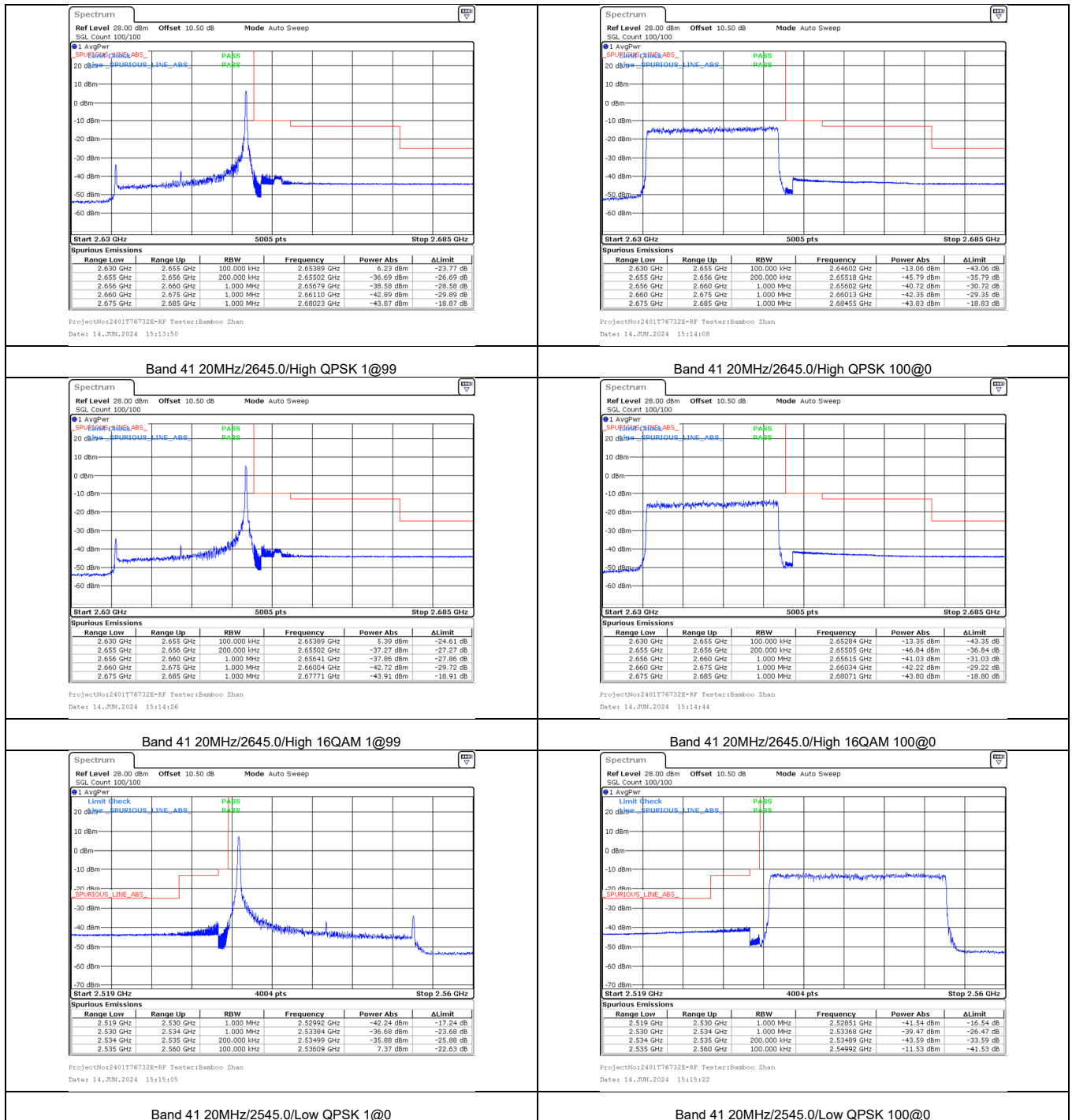


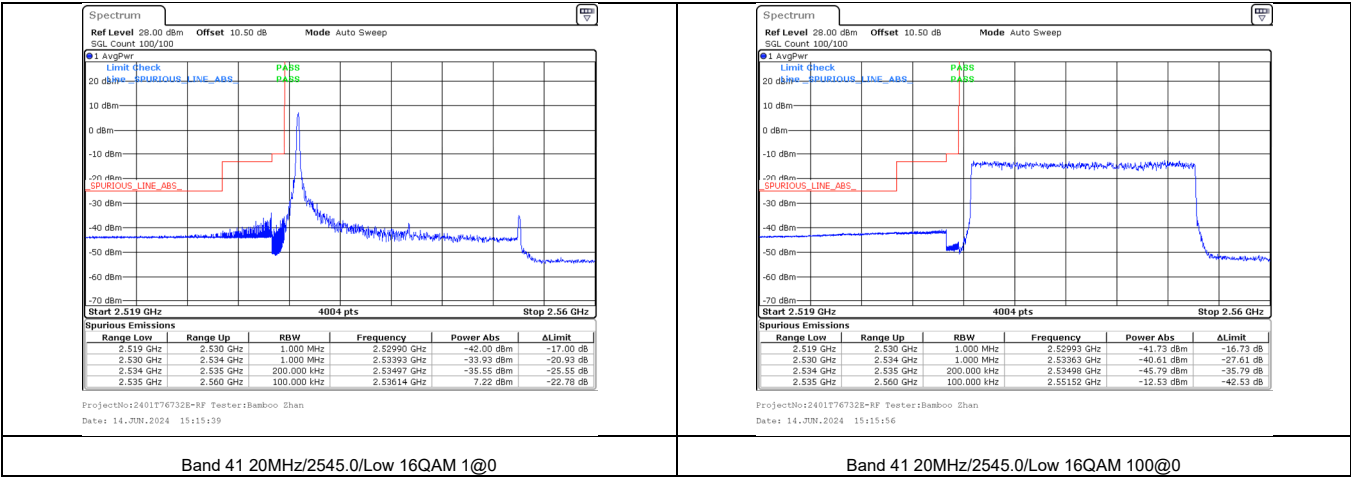












Frequency Stability

LTE Band 2						
Band	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1850MHz)	Upper Edge (MHz) (Result)	Limit (1910MHz)	Environment Temperature (°C)/ Voltage (V _{DC})
20MHz QPSK						
2	1860/1900	1850.039	1850.000	1909.894	1910.000	20°C/3.27V
2	1860/1900	1850.196	1850.000	1909.867	1910.000	20°C/4.4V
2	1860/1900	1850.087	1850.000	1909.867	1910.000	-30°C/3.85V
2	1860/1900	1850.009	1850.000	1909.967	1910.000	-20°C/3.85V
2	1860/1900	1850.155	1850.000	1909.891	1910.000	-10°C/3.85V
2	1860/1900	1850.026	1850.000	1909.902	1910.000	0°C/3.85V
2	1860/1900	1850.128	1850.000	1909.911	1910.000	10°C/3.85V
2	1860/1900	1850.017	1850.000	1909.871	1910.000	20°C/3.85V
2	1860/1900	1850.191	1850.000	1909.835	1910.000	30°C/3.85V
2	1860/1900	1850.195	1850.000	1909.998	1910.000	40°C/3.85V
2	1860/1900	1850.173	1850.000	1909.834	1910.000	50°C/3.85V
20MHz 16QAM						
2	1860/1900	1850.009	1850.000	1909.994	1910.000	20°C/3.27V
2	1860/1900	1850.059	1850.000	1909.935	1910.000	20°C/4.4V
2	1860/1900	1850.059	1850.000	1909.939	1910.000	-30°C/3.85V
2	1860/1900	1850.198	1850.000	1909.956	1910.000	-20°C/3.85V
2	1860/1900	1850.070	1850.000	1909.912	1910.000	-10°C/3.85V
2	1860/1900	1850.127	1850.000	1909.948	1910.000	0°C/3.85V
2	1860/1900	1850.098	1850.000	1909.853	1910.000	10°C/3.85V
2	1860/1900	1850.005	1850.000	1909.953	1910.000	20°C/3.85V
2	1860/1900	1850.103	1850.000	1909.877	1910.000	30°C/3.85V
2	1860/1900	1850.053	1850.000	1909.845	1910.000	40°C/3.85V
2	1860/1900	1850.060	1850.000	1909.986	1910.000	50°C/3.85V

LTE Band 5						
Band	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment Temperature (°C)/ Voltage (V _{DC})
10MHz QPSK						
5	836.5	1.26	0.00151	±2.5	Pass	20°C/3.27V
5	836.5	-0.33	-0.00039	±2.5	Pass	20°C/4.4V
5	836.5	-0.42	-0.00050	±2.5	Pass	-30°C/3.85V
5	836.5	-0.45	-0.00054	±2.5	Pass	-20°C/3.85V
5	836.5	-0.56	-0.00067	±2.5	Pass	-10°C/3.85V
5	836.5	-0.24	-0.00029	±2.5	Pass	0°C/3.85V
5	836.5	0.72	0.00086	±2.5	Pass	10°C/3.85V
5	836.5	0.88	0.00105	±2.5	Pass	20°C/3.85V
5	836.5	0.46	0.00055	±2.5	Pass	30°C/3.85V
5	836.5	1.16	0.00139	±2.5	Pass	40°C/3.85V
5	836.5	0.69	0.00082	±2.5	Pass	50°C/3.85V
10MHz 16QAM						
5	836.5	1.52	0.00182	±2.5	Pass	20°C/3.27V
5	836.5	0.46	0.00055	±2.5	Pass	20°C/4.4V
5	836.5	0.39	0.00047	±2.5	Pass	-30°C/3.85V
5	836.5	0.22	0.00026	±2.5	Pass	-20°C/3.85V
5	836.5	0.48	0.00057	±2.5	Pass	-10°C/3.85V
5	836.5	0.44	0.00053	±2.5	Pass	0°C/3.85V
5	836.5	0.75	0.00090	±2.5	Pass	10°C/3.85V
5	836.5	1.39	0.00166	±2.5	Pass	20°C/3.85V
5	836.5	0.48	0.00057	±2.5	Pass	30°C/3.85V
5	836.5	1.36	0.00163	±2.5	Pass	40°C/3.85V
5	836.5	-0.22	-0.00026	±2.5	Pass	50°C/3.85V

LTE Band 7						
Band	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (2500MHz)	Upper Edge (MHz) (Result)	Limit (2570MHz)	Environment Temperature (°C)/ Voltage (V _{DC})
20MHz QPSK						
7	2510/2560	2500.057	2500.000	2569.840	2570.000	20°C/3.27V
7	2510/2560	2500.084	2500.000	2569.845	2570.000	20°C/4.4V
7	2510/2560	2500.091	2500.000	2569.844	2570.000	-30°C/3.85V
7	2510/2560	2500.084	2500.000	2569.825	2570.000	-20°C/3.85V
7	2510/2560	2500.148	2500.000	2569.984	2570.000	-10°C/3.85V
7	2510/2560	2500.104	2500.000	2569.869	2570.000	0°C/3.85V
7	2510/2560	2500.139	2500.000	2569.816	2570.000	10°C/3.85V
7	2510/2560	2500.046	2500.000	2569.938	2570.000	20°C/3.85V
7	2510/2560	2500.006	2500.000	2569.867	2570.000	30°C/3.85V
7	2510/2560	2500.112	2500.000	2569.849	2570.000	40°C/3.85V
7	2510/2560	2500.011	2500.000	2569.981	2570.000	50°C/3.85V
20MHz 16QAM						
7	2510/2560	2500.140	2500.000	2569.911	2570.000	20°C/3.27V
7	2510/2560	2500.052	2500.000	2569.886	2570.000	20°C/4.4V
7	2510/2560	2500.009	2500.000	2569.943	2570.000	-30°C/3.85V
7	2510/2560	2500.006	2500.000	2569.983	2570.000	-20°C/3.85V
7	2510/2560	2500.107	2500.000	2569.835	2570.000	-10°C/3.85V
7	2510/2560	2500.030	2500.000	2569.982	2570.000	0°C/3.85V
7	2510/2560	2500.155	2500.000	2569.841	2570.000	10°C/3.85V
7	2510/2560	2500.092	2500.000	2569.813	2570.000	20°C/3.85V
7	2510/2560	2500.030	2500.000	2569.898	2570.000	30°C/3.85V
7	2510/2560	2500.022	2500.000	2569.808	2570.000	40°C/3.85V
7	2510/2560	2500.025	2500.000	2569.828	2570.000	50°C/3.85V

LTE Band 12						
Band	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (699MHz)	Upper Edge (MHz) (Result)	Limit (716MHz)	Environment Temperature (°C)/ Voltage (V _{DC})
10MHz QPSK						
12	704/711	699.059	699.000	715.914	716.000	20°C/3.27V
12	704/711	699.029	699.000	715.988	716.000	20°C/4.4V
12	704/711	699.057	699.000	715.852	716.000	-30°C/3.85V
12	704/711	699.095	699.000	715.817	716.000	-20°C/3.85V
12	704/711	699.038	699.000	715.987	716.000	-10°C/3.85V
12	704/711	699.043	699.000	715.839	716.000	0°C/3.85V
12	704/711	699.061	699.000	715.815	716.000	10°C/3.85V
12	704/711	699.100	699.000	715.906	716.000	20°C/3.85V
12	704/711	699.130	699.000	715.886	716.000	30°C/3.85V
12	704/711	699.005	699.000	715.913	716.000	40°C/3.85V
12	704/711	699.089	699.000	715.975	716.000	50°C/3.85V
10MHz 16QAM						
12	704/711	699.014	699.000	715.962	716.000	20°C/3.27V
12	704/711	699.190	699.000	715.975	716.000	20°C/4.4V
12	704/711	699.137	699.000	715.981	716.000	-30°C/3.85V
12	704/711	699.142	699.000	715.969	716.000	-20°C/3.85V
12	704/711	699.109	699.000	715.982	716.000	-10°C/3.85V
12	704/711	699.098	699.000	715.983	716.000	0°C/3.85V
12	704/711	699.030	699.000	715.895	716.000	10°C/3.85V
12	704/711	699.162	699.000	715.836	716.000	20°C/3.85V
12	704/711	699.026	699.000	715.811	716.000	30°C/3.85V
12	704/711	699.156	699.000	715.888	716.000	40°C/3.85V
12	704/711	699.084	699.000	715.967	716.000	50°C/3.85V

LTE Band 41						
Band	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (2535MHz)	Upper Edge (MHz) (Result)	Limit (2655MHz)	Environment Temperature (°C)/ Voltage (V _{DC})
20MHz QPSK						
41	2545/2645	2535.148	2535.000	2654.933	2655.000	20°C/3.27V
41	2545/2645	2535.178	2535.000	2654.943	2655.000	20°C/4.4V
41	2545/2645	2535.175	2535.000	2654.843	2655.000	-30°C/3.85V
41	2545/2645	2535.094	2535.000	2654.831	2655.000	-20°C/3.85V
41	2545/2645	2535.099	2535.000	2654.960	2655.000	-10°C/3.85V
41	2545/2645	2535.062	2535.000	2654.987	2655.000	0°C/3.85V
41	2545/2645	2535.144	2535.000	2654.974	2655.000	10°C/3.85V
41	2545/2645	2535.015	2535.000	2654.875	2655.000	20°C/3.85V
41	2545/2645	2535.075	2535.000	2654.909	2655.000	30°C/3.85V
41	2545/2645	2535.070	2535.000	2654.810	2655.000	40°C/3.85V
41	2545/2645	2535.008	2535.000	2654.950	2655.000	50°C/3.85V
20MHz 16QAM						
41	2545/2645	2535.132	2535.000	2654.976	2655.000	20°C/3.27V
41	2545/2645	2535.054	2535.000	2654.823	2655.000	20°C/4.4V
41	2545/2645	2535.005	2535.000	2654.789	2655.000	-30°C/3.85V
41	2545/2645	2535.003	2535.000	2654.859	2655.000	-20°C/3.85V
41	2545/2645	2535.067	2535.000	2654.949	2655.000	-10°C/3.85V
41	2545/2645	2535.141	2535.000	2654.967	2655.000	0°C/3.85V
41	2545/2645	2535.062	2535.000	2654.984	2655.000	10°C/3.85V
41	2545/2645	2535.184	2535.000	2654.834	2655.000	20°C/3.85V
41	2545/2645	2535.064	2535.000	2654.969	2655.000	30°C/3.85V
41	2545/2645	2535.040	2535.000	2654.881	2655.000	40°C/3.85V
41	2545/2645	2535.069	2535.000	2564.875	2655.000	50°C/3.85V