

Transmitter Conducted Output Power And ERP/EIRP

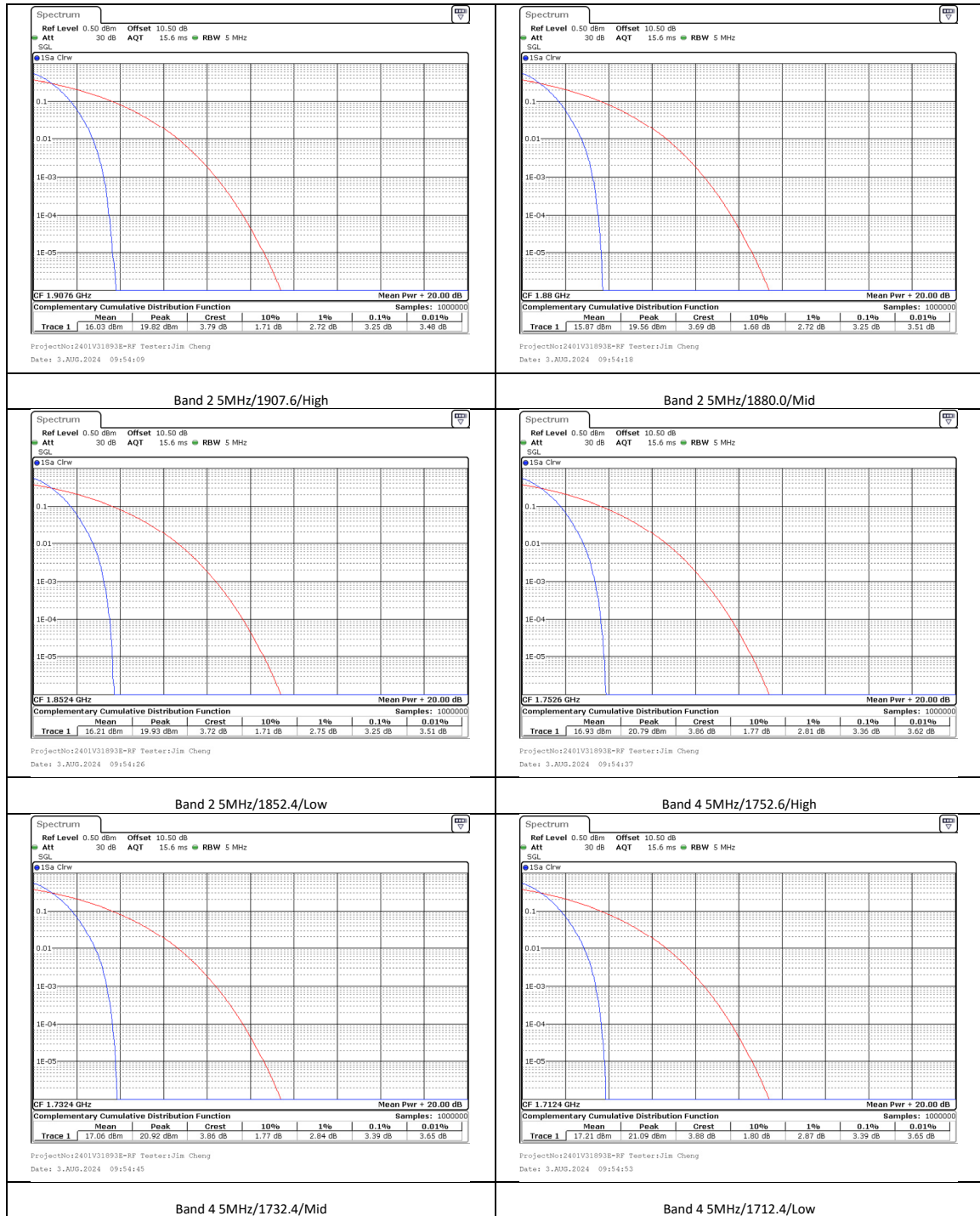
Band	Channel	Freq (MHz)	Connection Type	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (Limit) (dBm)	Verdict
2	9538	1907.6	Voice	18.80	17.64	33	PASS
2	9400	1880.0	Voice	18.64	17.48	33	PASS
2	9262	1852.4	Voice	18.70	17.54	33	PASS
2	9538	1907.6	RMC	18.73	17.57	33	PASS
2	9400	1880.0	RMC	18.62	17.46	33	PASS
2	9262	1852.4	RMC	18.71	17.55	33	PASS
2	9538	1907.6	HSDPA Subtest-1	17.88	16.72	33	PASS
2	9400	1880.0	HSDPA Subtest-1	17.66	16.50	33	PASS
2	9262	1852.4	HSDPA Subtest-1	17.79	16.63	33	PASS
2	9538	1907.6	HSDPA Subtest-2	17.65	16.49	33	PASS
2	9400	1880.0	HSDPA Subtest-2	17.48	16.32	33	PASS
2	9262	1852.4	HSDPA Subtest-2	17.68	16.52	33	PASS
2	9538	1907.6	HSDPA Subtest-3	17.23	16.07	33	PASS
2	9400	1880.0	HSDPA Subtest-3	17.04	15.88	33	PASS
2	9262	1852.4	HSDPA Subtest-3	17.16	16.00	33	PASS
2	9538	1907.6	HSDPA Subtest-4	17.20	16.04	33	PASS
2	9400	1880.0	HSDPA Subtest-4	17.03	15.87	33	PASS
2	9262	1852.4	HSDPA Subtest-4	17.13	15.97	33	PASS
2	9538	1907.6	HSUPA Subtest-1	17.06	15.90	33	PASS
2	9400	1880.0	HSUPA Subtest-1	17.54	16.38	33	PASS
2	9262	1852.4	HSUPA Subtest-1	17.64	16.48	33	PASS
2	9538	1907.6	HSUPA Subtest-2	17.78	16.62	33	PASS
2	9400	1880.0	HSUPA Subtest-2	17.62	16.46	33	PASS
2	9262	1852.4	HSUPA Subtest-2	17.75	16.59	33	PASS
2	9538	1907.6	HSUPA Subtest-3	17.26	16.10	33	PASS
2	9400	1880.0	HSUPA Subtest-3	17.03	15.87	33	PASS
2	9262	1852.4	HSUPA Subtest-3	17.22	16.06	33	PASS
2	9538	1907.6	HSUPA Subtest-4	17.85	16.69	33	PASS
2	9400	1880.0	HSUPA Subtest-4	17.65	16.49	33	PASS
2	9262	1852.4	HSUPA Subtest-4	17.77	16.61	33	PASS
2	9538	1907.6	HSUPA Subtest-5	17.22	16.06	33	PASS
2	9400	1880.0	HSUPA Subtest-5	17.06	15.90	33	PASS
2	9262	1852.4	HSUPA Subtest-5	17.20	16.04	33	PASS
4	1513	1752.6	Voice	19.10	18.15	30	PASS
4	1412	1732.4	Voice	19.22	18.27	30	PASS
4	1312	1712.4	Voice	19.10	18.15	30	PASS
4	1513	1752.6	RMC	19.07	18.12	30	PASS
4	1412	1732.4	RMC	19.21	18.26	30	PASS
4	1312	1712.4	RMC	19.31	18.36	30	PASS
4	1513	1752.6	HSDPA Subtest-1	18.15	17.20	30	PASS

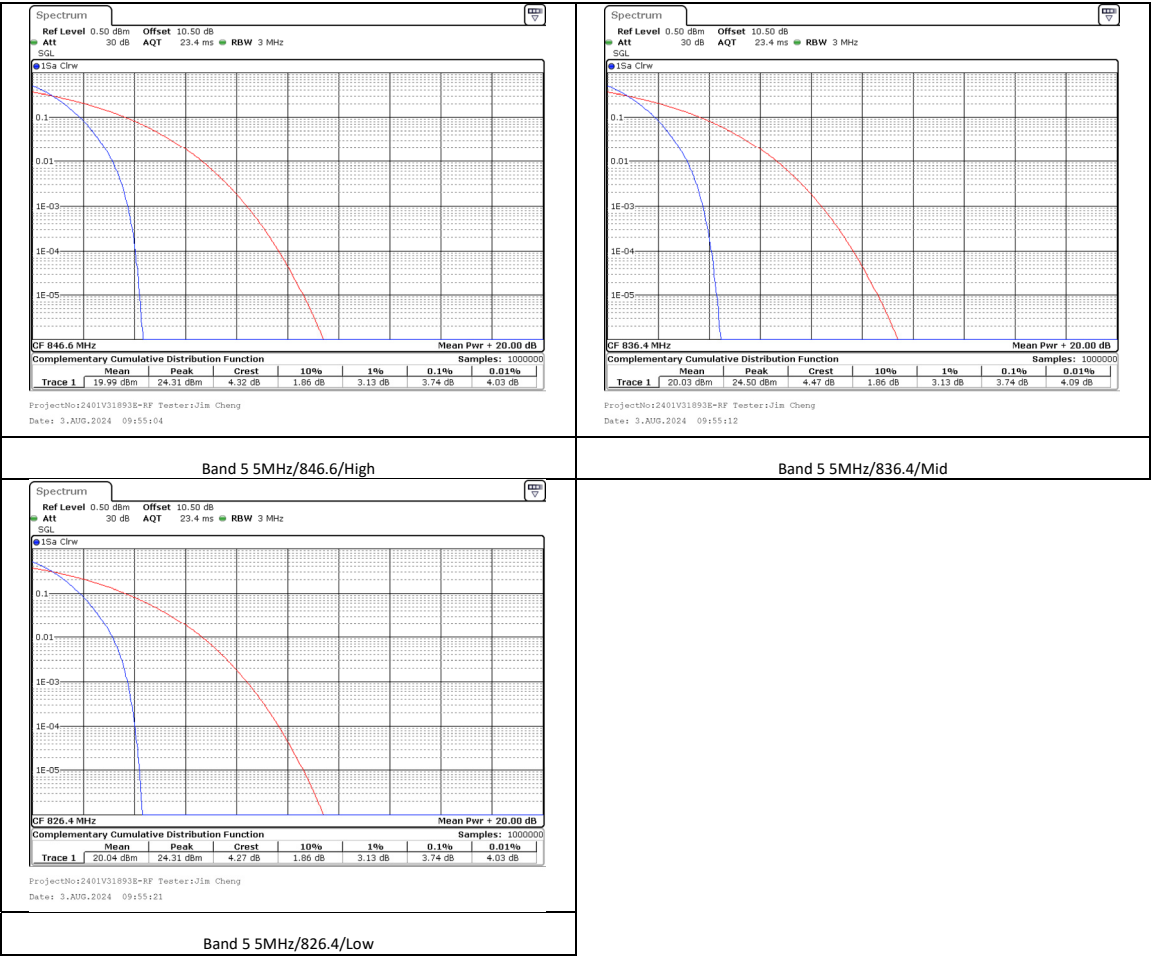
4	1412	1732.4	HSDPA Subtest-1	18.26	17.31	30	PASS
4	1312	1712.4	HSDPA Subtest-1	18.28	17.33	30	PASS
4	1513	1752.6	HSDPA Subtest-2	17.94	16.99	30	PASS
4	1412	1732.4	HSDPA Subtest-2	18.06	17.11	30	PASS
4	1312	1712.4	HSDPA Subtest-2	18.11	17.16	30	PASS
4	1513	1752.6	HSDPA Subtest-3	17.49	16.54	30	PASS
4	1412	1732.4	HSDPA Subtest-3	17.60	16.65	30	PASS
4	1312	1712.4	HSDPA Subtest-3	17.59	16.64	30	PASS
4	1513	1752.6	HSDPA Subtest-4	17.48	16.53	30	PASS
4	1412	1732.4	HSDPA Subtest-4	17.59	16.64	30	PASS
4	1312	1712.4	HSDPA Subtest-4	17.60	16.65	30	PASS
4	1513	1752.6	HSUPA Subtest-1	17.38	16.43	30	PASS
4	1412	1732.4	HSUPA Subtest-1	18.06	17.11	30	PASS
4	1312	1712.4	HSUPA Subtest-1	18.12	17.17	30	PASS
4	1513	1752.6	HSUPA Subtest-2	18.06	17.11	30	PASS
4	1412	1732.4	HSUPA Subtest-2	18.14	17.19	30	PASS
4	1312	1712.4	HSUPA Subtest-2	18.17	17.22	30	PASS
4	1513	1752.6	HSUPA Subtest-3	17.49	16.54	30	PASS
4	1412	1732.4	HSUPA Subtest-3	17.62	16.67	30	PASS
4	1312	1712.4	HSUPA Subtest-3	17.61	16.66	30	PASS
4	1513	1752.6	HSUPA Subtest-4	18.13	17.18	30	PASS
4	1412	1732.4	HSUPA Subtest-4	18.23	17.28	30	PASS
4	1312	1712.4	HSUPA Subtest-4	18.24	17.29	30	PASS
4	1513	1752.6	HSUPA Subtest-5	17.53	16.58	30	PASS
4	1412	1732.4	HSUPA Subtest-5	17.61	16.66	30	PASS
4	1312	1712.4	HSUPA Subtest-5	17.60	16.65	30	PASS
5	4233	846.6	Voice	22.82	15.24	38.45	PASS
5	4182	836.4	Voice	22.87	15.29	38.45	PASS
5	4132	826.4	Voice	22.95	15.37	38.45	PASS
5	4233	846.6	RMC	22.81	15.23	38.45	PASS
5	4182	836.4	RMC	22.87	15.29	38.45	PASS
5	4132	826.4	RMC	22.94	15.36	38.45	PASS
5	4233	846.6	HSDPA Subtest-1	21.76	14.18	38.45	PASS
5	4182	836.4	HSDPA Subtest-1	21.83	14.25	38.45	PASS
5	4132	826.4	HSDPA Subtest-1	21.95	14.37	38.45	PASS
5	4233	846.6	HSDPA Subtest-2	21.61	14.03	38.45	PASS
5	4182	836.4	HSDPA Subtest-2	21.68	14.10	38.45	PASS
5	4132	826.4	HSDPA Subtest-2	21.76	14.18	38.45	PASS
5	4233	846.6	HSDPA Subtest-3	21.10	13.52	38.45	PASS
5	4182	836.4	HSDPA Subtest-3	21.14	13.56	38.45	PASS
5	4132	826.4	HSDPA Subtest-3	21.31	13.73	38.45	PASS
5	4233	846.6	HSDPA Subtest-4	21.06	13.48	38.45	PASS
5	4182	836.4	HSDPA Subtest-4	21.16	13.58	38.45	PASS

5	4132	826.4	HSUPA Subtest-4	21.29	13.71	38.45	PASS
5	4233	846.6	HSUPA Subtest-1	21.00	13.42	38.45	PASS
5	4182	836.4	HSUPA Subtest-1	21.67	14.09	38.45	PASS
5	4132	826.4	HSUPA Subtest-1	21.82	14.24	38.45	PASS
5	4233	846.6	HSUPA Subtest-2	21.64	14.06	38.45	PASS
5	4182	836.4	HSUPA Subtest-2	21.71	14.13	38.45	PASS
5	4132	826.4	HSUPA Subtest-2	21.87	14.29	38.45	PASS
5	4233	846.6	HSUPA Subtest-3	21.10	13.52	38.45	PASS
5	4182	836.4	HSUPA Subtest-3	21.15	13.57	38.45	PASS
5	4132	826.4	HSUPA Subtest-3	21.32	13.74	38.45	PASS
5	4233	846.6	HSUPA Subtest-4	21.75	14.17	38.45	PASS
5	4182	836.4	HSUPA Subtest-4	21.78	14.20	38.45	PASS
5	4132	826.4	HSUPA Subtest-4	21.94	14.36	38.45	PASS
5	4233	846.6	HSUPA Subtest-5	21.09	13.51	38.45	PASS
5	4182	836.4	HSUPA Subtest-5	21.15	13.57	38.45	PASS
5	4132	826.4	HSUPA Subtest-5	21.33	13.75	38.45	PASS
Note: The ERP is for below 1GHz, EIRP is for above 1GHz $EIRP = \text{Conducted Power(dBm)} - L_c(\text{dB}) + G_r(\text{dBi})$ $ERP = \text{Conducted Power(dBm)} - L_c(\text{dB}) + G_r(\text{dBd})$ $G_r(\text{dBd}) = G_r(\text{dBi}) - 2.15$							

Peak to Average Ratio

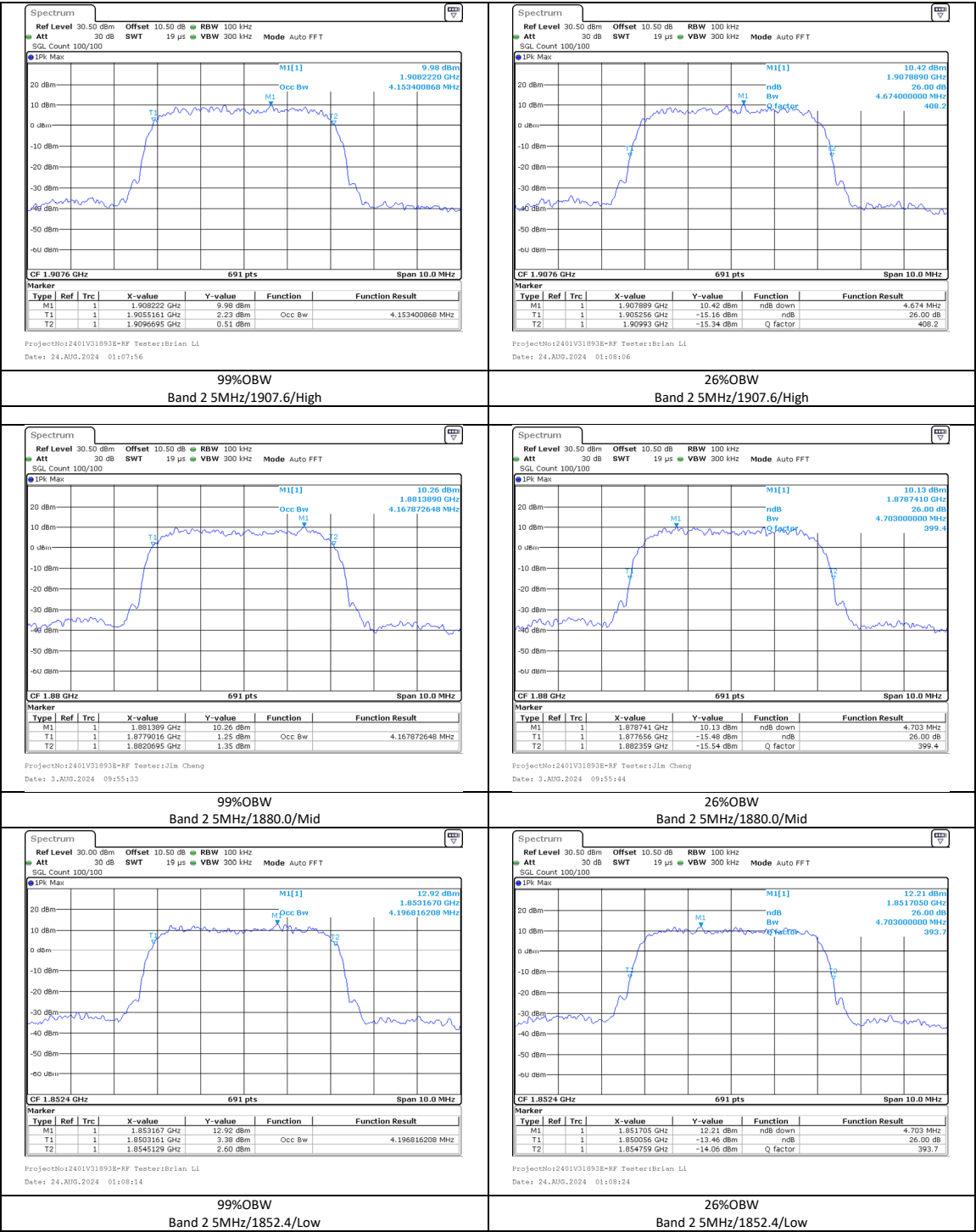
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	3.25	13	PASS
2	9400	1880.0	3.25	13	PASS
2	9262	1852.4	3.25	13	PASS
4	1513	1752.6	3.36	13	PASS
4	1412	1732.4	3.39	13	PASS
4	1312	1712.4	3.39	13	PASS
5	4233	846.6	3.74	13	PASS
5	4182	836.4	3.74	13	PASS
5	4132	826.4	3.74	13	PASS

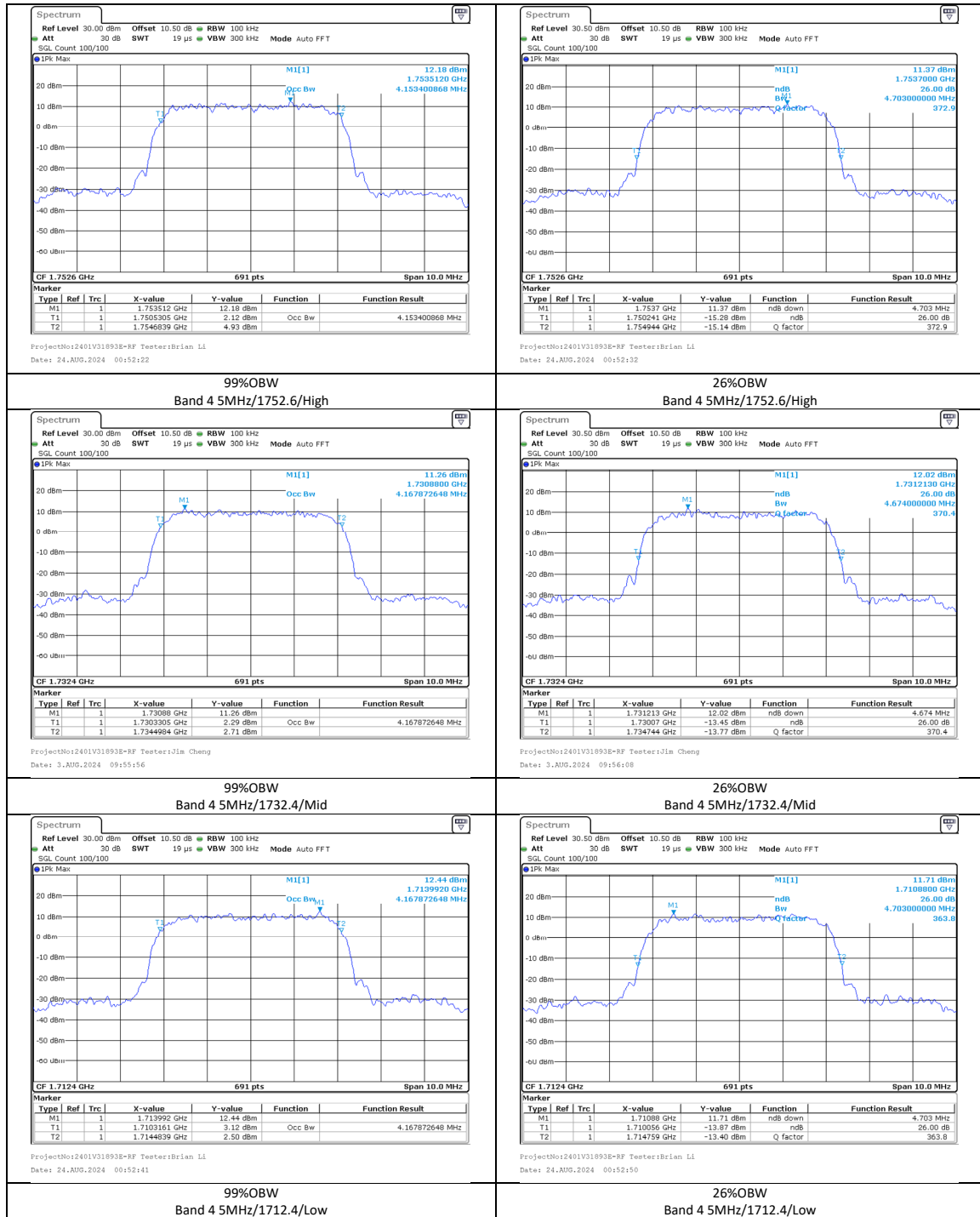


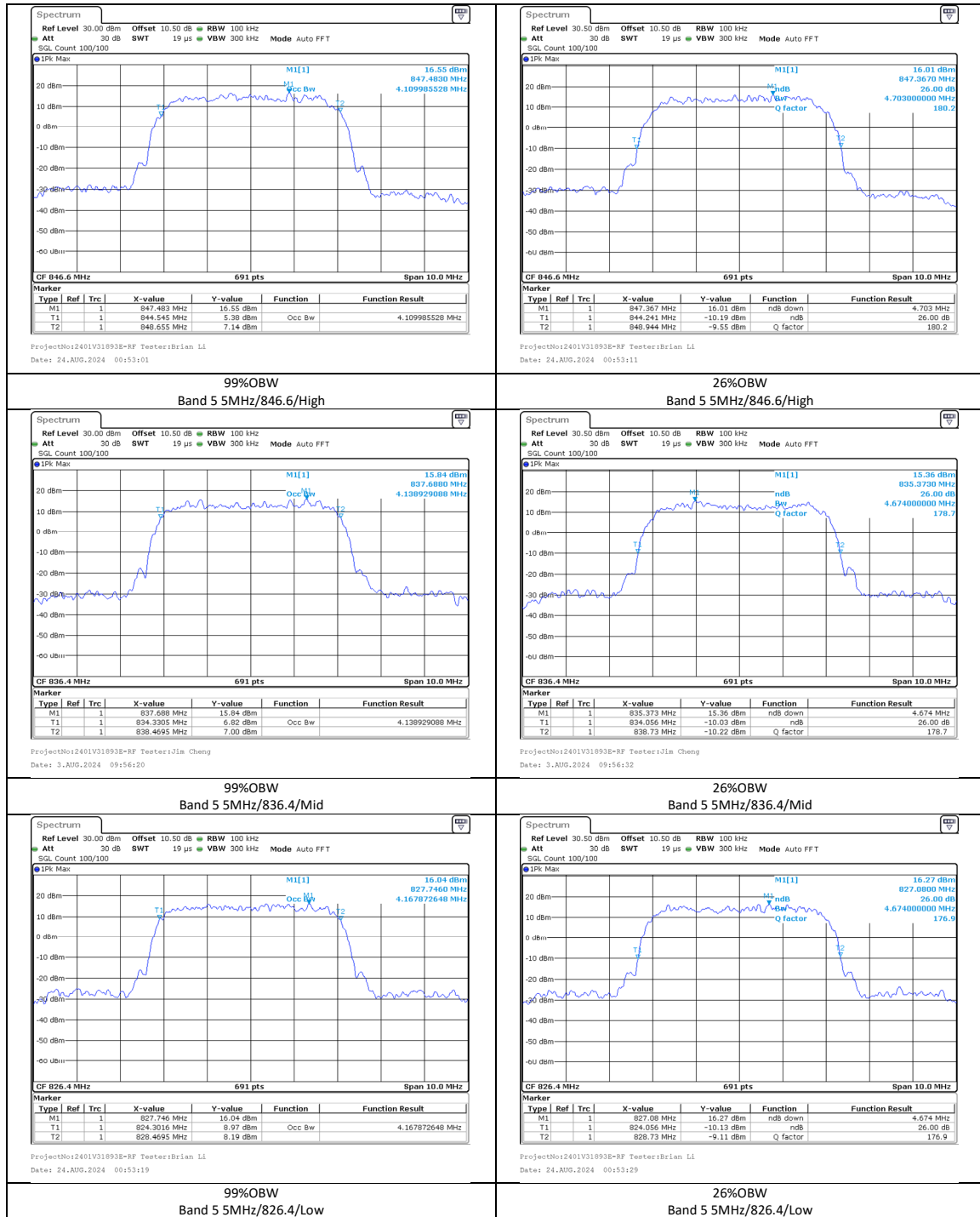


Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9538	1907.6	4.1534	4.674	PASS
2	9400	1880.0	4.1679	4.703	PASS
2	9262	1852.4	4.1968	4.703	PASS
4	1513	1752.6	4.1534	4.703	PASS
4	1412	1732.4	4.1679	4.674	PASS
4	1312	1712.4	4.1679	4.703	PASS
5	4233	846.6	4.1100	4.703	PASS
5	4182	836.4	4.1389	4.674	PASS
5	4132	826.4	4.1679	4.674	PASS

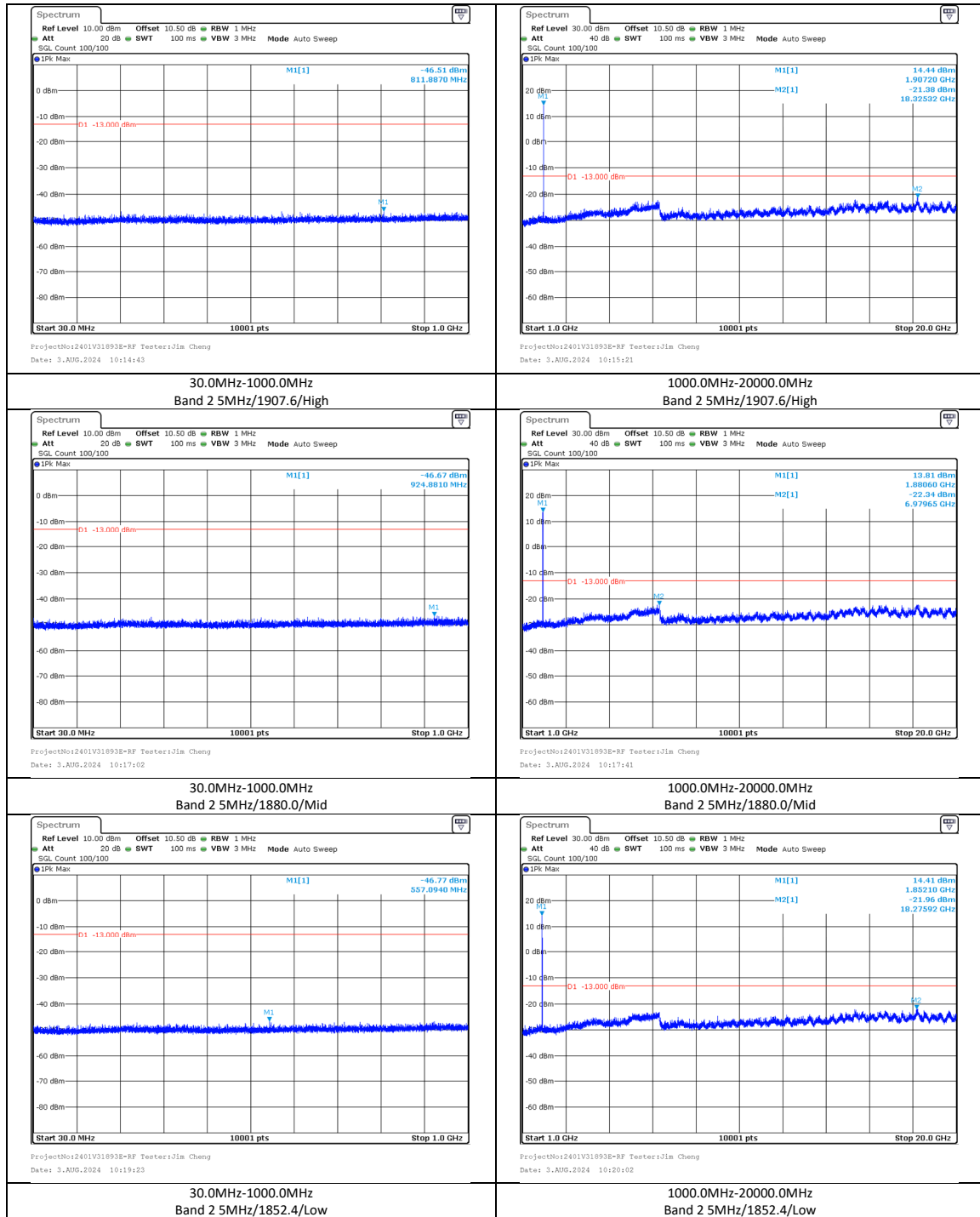


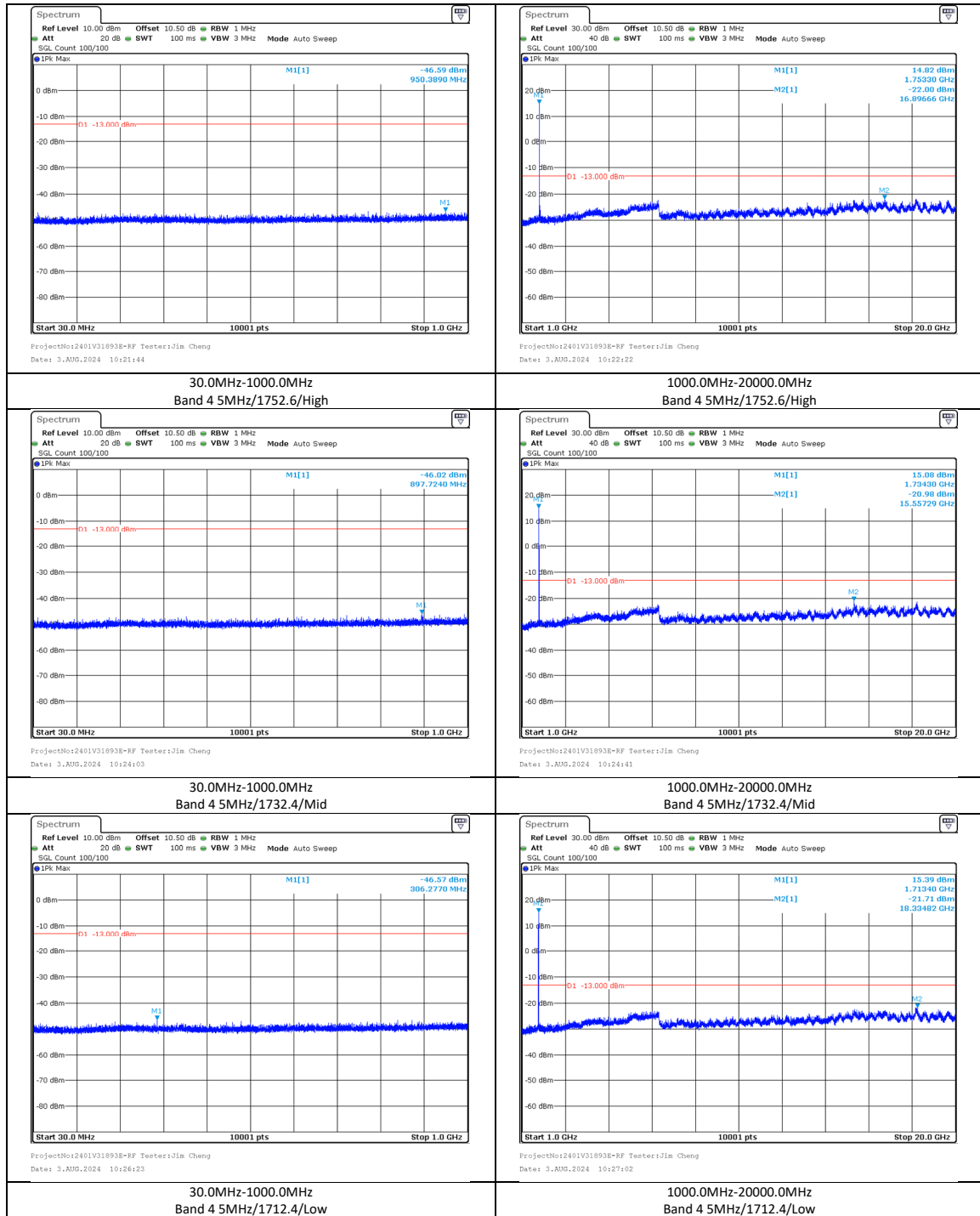


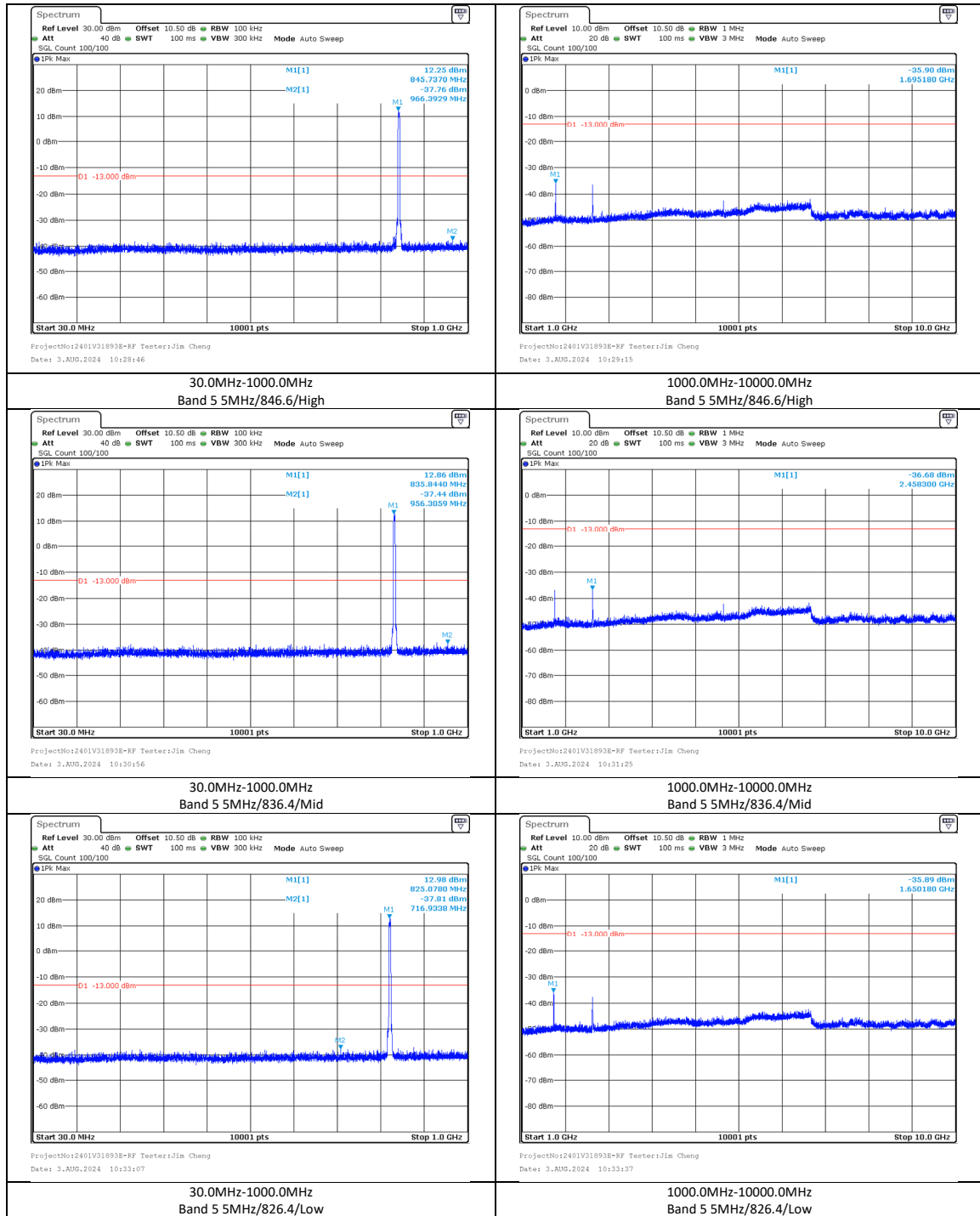


Conducted Spurious Emissions

Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
2	9538	1907.6	30.0	1000.0	-46.51	-13	PASS
2	9538	1907.6	1000.0	20000.0	-21.38	-13	PASS
2	9400	1880.0	30.0	1000.0	-46.67	-13	PASS
2	9400	1880.0	1000.0	20000.0	-22.34	-13	PASS
2	9262	1852.4	30.0	1000.0	-46.77	-13	PASS
2	9262	1852.4	1000.0	20000.0	-21.96	-13	PASS
4	1513	1752.6	30.0	1000.0	-46.59	-13	PASS
4	1513	1752.6	1000.0	20000.0	-22.0	-13	PASS
4	1412	1732.4	30.0	1000.0	-46.02	-13	PASS
4	1412	1732.4	1000.0	20000.0	-20.98	-13	PASS
4	1312	1712.4	30.0	1000.0	-46.57	-13	PASS
4	1312	1712.4	1000.0	20000.0	-21.71	-13	PASS
5	4233	846.6	30.0	1000.0	-37.76	-13	PASS
5	4233	846.6	1000.0	10000.0	-35.9	-13	PASS
5	4182	836.4	30.0	1000.0	-37.44	-13	PASS
5	4182	836.4	1000.0	10000.0	-36.68	-13	PASS
5	4132	826.4	30.0	1000.0	-37.81	-13	PASS
5	4132	826.4	1000.0	10000.0	-35.89	-13	PASS

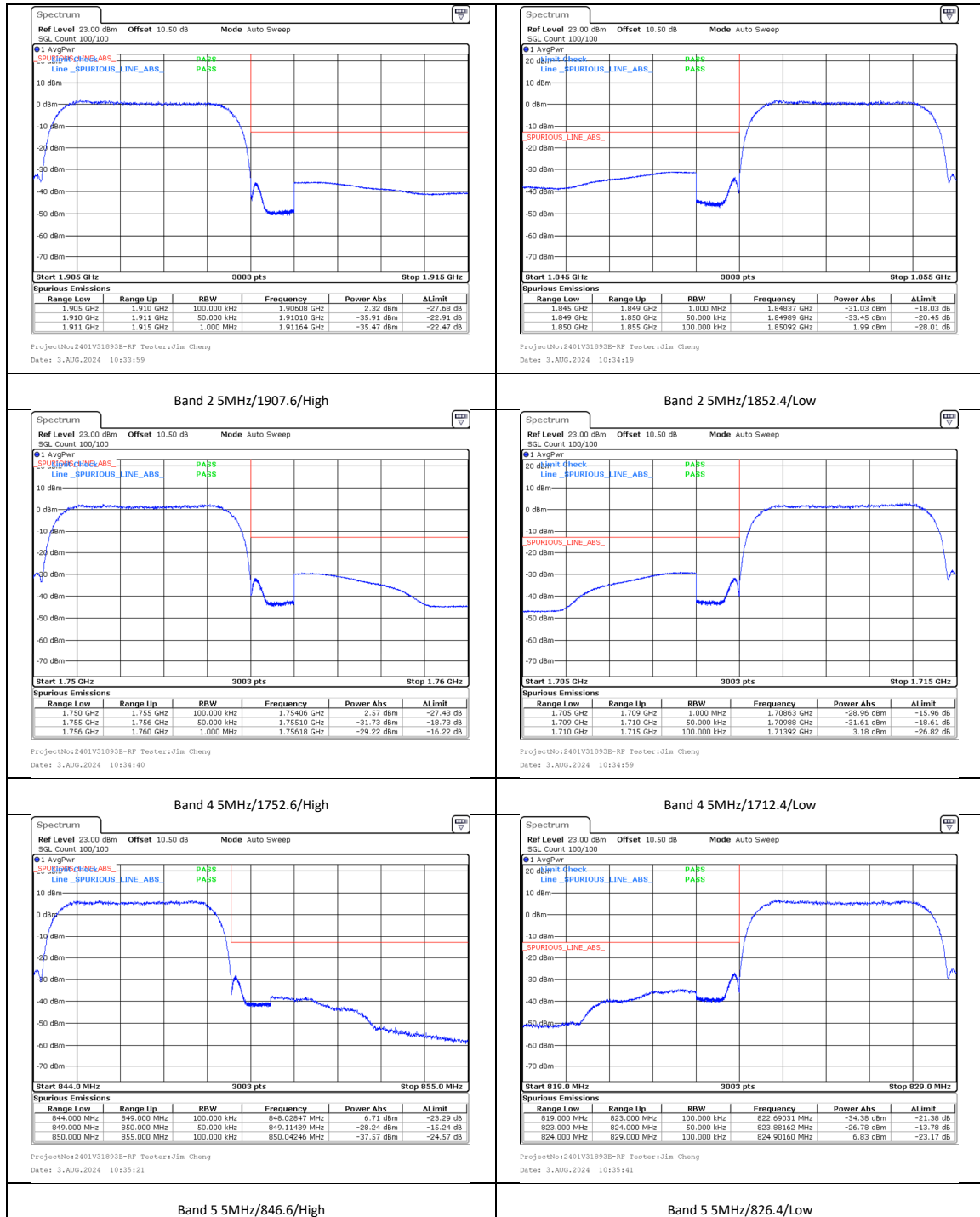






Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
2	9538	1907.6	see graph	PASS
2	9262	1852.4	see graph	PASS
4	1513	1752.6	see graph	PASS
4	1312	1712.4	see graph	PASS
5	4233	846.6	see graph	PASS
5	4132	826.4	see graph	PASS



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
5	4233	846.6	2.47	0.00292	±2.5	PASS	20℃/4.45V
5	4233	846.6	5.39	0.00637	±2.5	PASS	20℃/3.42V
5	4233	846.6	-2.24	-0.00265	±2.5	PASS	50℃/3.87V
5	4233	846.6	-4.44	-0.00525	±2.5	PASS	40℃/3.87V
5	4233	846.6	-8.57	-0.01013	±2.5	PASS	30℃/3.87V
5	4233	846.6	6.91	0.00816	±2.5	PASS	20℃/3.87V
5	4233	846.6	-4.25	-0.00502	±2.5	PASS	10℃/3.87V
5	4233	846.6	4.87	0.00575	±2.5	PASS	0℃/3.87V
5	4233	846.6	6.07	0.00717	±2.5	PASS	-10℃/3.87V
5	4233	846.6	-9.26	-0.01093	±2.5	PASS	-20℃/3.87V
5	4233	846.6	3.71	0.00438	±2.5	PASS	-30℃/3.87V
5	4182	836.4	8.56	0.01023	±2.5	PASS	20℃/4.45V
5	4182	836.4	6.57	0.00785	±2.5	PASS	20℃/3.42V
5	4182	836.4	-5.42	-0.00648	±2.5	PASS	50℃/3.87V
5	4182	836.4	-7.70	-0.00921	±2.5	PASS	40℃/3.87V
5	4182	836.4	-8.70	-0.01040	±2.5	PASS	30℃/3.87V
5	4182	836.4	8.48	0.01014	±2.5	PASS	20℃/3.87V
5	4182	836.4	-1.73	-0.00207	±2.5	PASS	10℃/3.87V
5	4182	836.4	-6.33	-0.00757	±2.5	PASS	0℃/3.87V
5	4182	836.4	-6.13	-0.00733	±2.5	PASS	-10℃/3.87V
5	4182	836.4	8.78	0.01049	±2.5	PASS	-20℃/3.87V
5	4182	836.4	-6.26	-0.00749	±2.5	PASS	-30℃/3.87V
5	4132	826.4	-4.43	-0.00536	±2.5	PASS	20℃/4.45V
5	4132	826.4	-3.14	-0.00380	±2.5	PASS	20℃/3.42V
5	4132	826.4	4.90	0.00593	±2.5	PASS	50℃/3.87V
5	4132	826.4	2.24	0.00271	±2.5	PASS	40℃/3.87V
5	4132	826.4	-2.90	-0.00351	±2.5	PASS	30℃/3.87V
5	4132	826.4	-9.57	-0.01158	±2.5	PASS	20℃/3.87V
5	4132	826.4	6.46	0.00782	±2.5	PASS	10℃/3.87V
5	4132	826.4	6.77	0.00819	±2.5	PASS	0℃/3.87V
5	4132	826.4	5.71	0.00691	±2.5	PASS	-10℃/3.87V
5	4132	826.4	9.50	0.01149	±2.5	PASS	-20℃/3.87V
5	4132	826.4	-4.63	-0.00560	±2.5	PASS	-30℃/3.87V

Frequency Stability Range

Band	Channel (Low/High)	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1850MHz)	Upper Edge (MHz) (Result)	Limit (1910MHz)	Environment
2	9262/9538	1852.4/1907.6	1850.037	1850.000	1909.916	1910.000	20°C/4.45V
2	9262/9538	1852.4/1907.6	1850.090	1850.000	1909.935	1910.000	20°C/3.42V
2	9262/9538	1852.4/1907.6	1850.080	1850.000	1909.989	1910.000	50°C/3.87V
2	9262/9538	1852.4/1907.6	1850.065	1850.000	1909.925	1910.000	40°C/3.87V
2	9262/9538	1852.4/1907.6	1850.089	1850.000	1909.893	1910.000	30°C/3.87V
2	9262/9538	1852.4/1907.6	1850.157	1850.000	1909.981	1910.000	20°C/3.87V
2	9262/9538	1852.4/1907.6	1850.039	1850.000	1909.931	1910.000	10°C/3.87V
2	9262/9538	1852.4/1907.6	1850.188	1850.000	1909.928	1910.000	0°C/3.87V
2	9262/9538	1852.4/1907.6	1850.075	1850.000	1909.806	1910.000	-10°C/3.87V
2	9262/9538	1852.4/1907.6	1850.034	1850.000	1909.816	1910.000	-20°C/3.87V
2	9262/9538	1852.4/1907.6	1850.047	1850.000	1909.911	1910.000	-30°C/3.87V

Band	Channel (Low/High)	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1710MHz)	Upper Edge (MHz) (Result)	Limit (1755MHz)	Environment
4	1312/1513	1712.4/1752.6	1710.039	1710.000	1754.904	1755.000	20°C/4.45V
4	1312/1513	1712.4/1752.6	1710.178	1710.000	1754.820	1755.000	20°C/3.42V
4	1312/1513	1712.4/1752.6	1710.136	1710.000	1754.949	1755.000	50°C/3.87V
4	1312/1513	1712.4/1752.6	1710.185	1710.000	1754.945	1755.000	40°C/3.87V
4	1312/1513	1712.4/1752.6	1710.032	1710.000	1754.826	1755.000	30°C/3.87V
4	1312/1513	1712.4/1752.6	1710.190	1710.000	1754.836	1755.000	20°C/3.87V
4	1312/1513	1712.4/1752.6	1710.114	1710.000	1754.977	1755.000	10°C/3.87V
4	1312/1513	1712.4/1752.6	1710.089	1710.000	1754.814	1755.000	0°C/3.87V
4	1312/1513	1712.4/1752.6	1710.112	1710.000	1754.866	1755.000	-10°C/3.87V
4	1312/1513	1712.4/1752.6	1710.133	1710.000	1754.854	1755.000	-20°C/3.87V
4	1312/1513	1712.4/1752.6	1710.078	1710.000	1754.922	1755.000	-30°C/3.87V