

Test Information:

Sample No.:	2TGQ-2	Test Date:	2024/11/12~2024/11/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.5-26.5	Relative Humidity: (%)	46-52	ATM Pressure: (kPa)	101
-----------------------	-----------	------------------------------	-------	---------------------------	-----

Tester: Usain Ou

Reviewer: Jim Cheng

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	RMC	16.00	12.1	33.01	PASS
2	9538	1907.6	HSDPA Subtest-1	15.64	11.74	33.01	PASS
2	9538	1907.6	HSDPA Subtest-2	16.12	12.22	33.01	PASS
2	9538	1907.6	HSDPA Subtest-3	15.64	11.74	33.01	PASS
2	9538	1907.6	HSDPA Subtest-4	15.45	11.55	33.01	PASS
2	9538	1907.6	HSUPA Subtest-1	15.51	11.61	33.01	PASS
2	9538	1907.6	HSUPA Subtest-2	15.85	11.95	33.01	PASS
2	9538	1907.6	HSUPA Subtest-3	15.16	11.26	33.01	PASS
2	9538	1907.6	HSUPA Subtest-4	15.98	12.08	33.01	PASS
2	9538	1907.6	HSUPA Subtest-5	15.24	11.34	33.01	PASS
2	9538	1907.6	HSPA +	15.32	11.42	33.01	PASS
2	9400	1880.0	RMC	16.15	12.25	33.01	PASS
2	9400	1880.0	HSDPA Subtest-1	15.46	11.56	33.01	PASS
2	9400	1880.0	HSDPA Subtest-2	15.92	12.02	33.01	PASS
2	9400	1880.0	HSDPA Subtest-3	15.54	11.64	33.01	PASS
2	9400	1880.0	HSDPA Subtest-4	15.41	11.51	33.01	PASS
2	9400	1880.0	HSUPA Subtest-1	15.34	11.44	33.01	PASS
2	9400	1880.0	HSUPA Subtest-2	15.49	11.59	33.01	PASS
2	9400	1880.0	HSUPA Subtest-3	15.01	11.11	33.01	PASS
2	9400	1880.0	HSUPA Subtest-4	15.83	11.93	33.01	PASS
2	9400	1880.0	HSUPA Subtest-5	15.04	11.14	33.01	PASS
2	9400	1880.0	HSPA +	14.87	10.97	33.01	PASS
2	9262	1852.4	RMC	15.92	12.02	33.01	PASS
2	9262	1852.4	HSDPA Subtest-1	15.78	11.88	33.01	PASS
2	9262	1852.4	HSDPA Subtest-2	16.05	12.15	33.01	PASS
2	9262	1852.4	HSDPA Subtest-3	15.62	11.72	33.01	PASS
2	9262	1852.4	HSDPA Subtest-4	15.47	11.57	33.01	PASS
2	9262	1852.4	HSUPA Subtest-1	15.55	11.65	33.01	PASS
2	9262	1852.4	HSUPA Subtest-2	15.55	11.65	33.01	PASS
2	9262	1852.4	HSUPA Subtest-3	15.18	11.28	33.01	PASS
2	9262	1852.4	HSUPA Subtest-4	15.27	11.37	33.01	PASS
2	9262	1852.4	HSUPA Subtest-5	15.16	11.26	33.01	PASS
2	9262	1852.4	HSPA +	14.98	11.08	33.01	PASS
4	1513	1752.6	RMC	15.39	12.49	30	PASS
4	1513	1752.6	HSDPA Subtest-1	15.39	12.49	30	PASS
4	1513	1752.6	HSDPA Subtest-2	15.10	12.2	30	PASS
4	1513	1752.6	HSDPA Subtest-3	14.77	11.87	30	PASS
4	1513	1752.6	HSDPA Subtest-4	14.52	11.62	30	PASS
4	1513	1752.6	HSUPA Subtest-1	14.51	11.61	30	PASS
4	1513	1752.6	HSUPA Subtest-2	15.09	12.19	30	PASS
4	1513	1752.6	HSUPA Subtest-3	14.31	11.41	30	PASS

4	1513	1752.6	HSUPA Subtest-4	15.15	12.25	30	PASS
4	1513	1752.6	HSUPA Subtest-5	14.20	11.3	30	PASS
4	1513	1752.6	HSPA +	14.33	11.43	30	PASS
4	1412	1732.4	RMC	15.53	12.63	30	PASS
4	1412	1732.4	HSDPA Subtest-1	15.54	12.64	30	PASS
4	1412	1732.4	HSDPA Subtest-2	15.36	12.46	30	PASS
4	1412	1732.4	HSDPA Subtest-3	14.93	12.03	30	PASS
4	1412	1732.4	HSDPA Subtest-4	14.82	11.92	30	PASS
4	1412	1732.4	HSUPA Subtest-1	14.83	11.93	30	PASS
4	1412	1732.4	HSUPA Subtest-2	15.08	12.18	30	PASS
4	1412	1732.4	HSUPA Subtest-3	14.44	11.54	30	PASS
4	1412	1732.4	HSUPA Subtest-4	14.86	11.96	30	PASS
4	1412	1732.4	HSUPA Subtest-5	14.39	11.49	30	PASS
4	1412	1732.4	HSPA +	14.54	11.64	30	PASS
4	1312	1712.4	RMC	15.58	12.68	30	PASS
4	1312	1712.4	HSDPA Subtest-1	15.44	12.54	30	PASS
4	1312	1712.4	HSDPA Subtest-2	15.25	12.35	30	PASS
4	1312	1712.4	HSDPA Subtest-3	14.86	11.96	30	PASS
4	1312	1712.4	HSDPA Subtest-4	14.76	11.86	30	PASS
4	1312	1712.4	HSUPA Subtest-1	14.69	11.79	30	PASS
4	1312	1712.4	HSUPA Subtest-2	15.13	12.23	30	PASS
4	1312	1712.4	HSUPA Subtest-3	14.48	11.58	30	PASS
4	1312	1712.4	HSUPA Subtest-4	14.84	11.94	30	PASS
4	1312	1712.4	HSUPA Subtest-5	14.38	11.48	30	PASS
4	1312	1712.4	HSPA +	14.56	11.66	30	PASS
5	4233	846.6	RMC	18.67	14.32	38.45	PASS
5	4233	846.6	HSDPA Subtest-1	18.38	14.03	38.45	PASS
5	4233	846.6	HSDPA Subtest-2	18.81	14.46	38.45	PASS
5	4233	846.6	HSDPA Subtest-3	18.32	13.97	38.45	PASS
5	4233	846.6	HSDPA Subtest-4	18.17	13.82	38.45	PASS
5	4233	846.6	HSUPA Subtest-1	18.20	13.85	38.45	PASS
5	4233	846.6	HSUPA Subtest-2	18.70	14.35	38.45	PASS
5	4233	846.6	HSUPA Subtest-3	17.93	13.58	38.45	PASS
5	4233	846.6	HSUPA Subtest-4	18.26	13.91	38.45	PASS
5	4233	846.6	HSUPA Subtest-5	17.96	13.61	38.45	PASS
5	4233	846.6	HSPA +	18.21	13.86	38.45	PASS
5	4182	836.4	RMC	18.84	14.49	38.45	PASS
5	4182	836.4	HSDPA Subtest-1	18.31	13.96	38.45	PASS
5	4182	836.4	HSDPA Subtest-2	18.67	14.32	38.45	PASS
5	4182	836.4	HSDPA Subtest-3	18.30	13.95	38.45	PASS
5	4182	836.4	HSDPA Subtest-4	18.08	13.73	38.45	PASS
5	4182	836.4	HSUPA Subtest-1	18.19	13.84	38.45	PASS
5	4182	836.4	HSUPA Subtest-2	18.21	13.86	38.45	PASS
5	4182	836.4	HSUPA Subtest-3	17.80	13.45	38.45	PASS

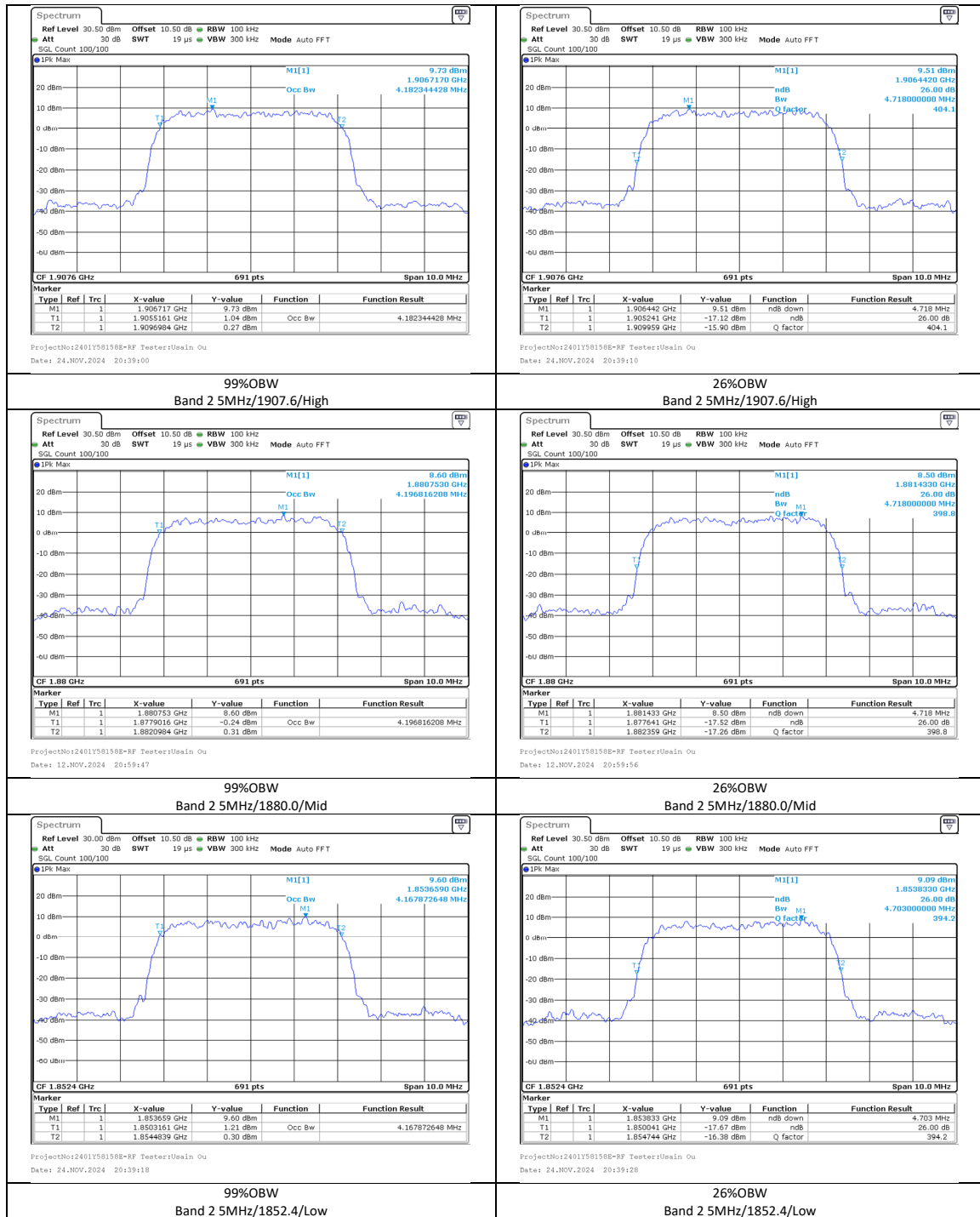
5	4182	836.4	HSUPA Subtest-4	18.41	14.06	38.45	PASS
5	4182	836.4	HSUPA Subtest-5	17.86	13.51	38.45	PASS
5	4182	836.4	HSPA +	18.11	13.76	38.45	PASS
5	4132	826.4	RMC	18.62	14.27	38.45	PASS
5	4132	826.4	HSDPA Subtest-1	18.85	14.5	38.45	PASS
5	4132	826.4	HSDPA Subtest-2	18.68	14.33	38.45	PASS
5	4132	826.4	HSDPA Subtest-3	18.37	14.02	38.45	PASS
5	4132	826.4	HSDPA Subtest-4	18.21	13.86	38.45	PASS
5	4132	826.4	HSUPA Subtest-1	18.24	13.89	38.45	PASS
5	4132	826.4	HSUPA Subtest-2	18.63	14.28	38.45	PASS
5	4132	826.4	HSUPA Subtest-3	17.85	13.5	38.45	PASS
5	4132	826.4	HSUPA Subtest-4	18.58	14.23	38.45	PASS
5	4132	826.4	HSUPA Subtest-5	17.85	13.5	38.45	PASS
5	4132	826.4	HSPA +	17.68	13.33	38.45	PASS

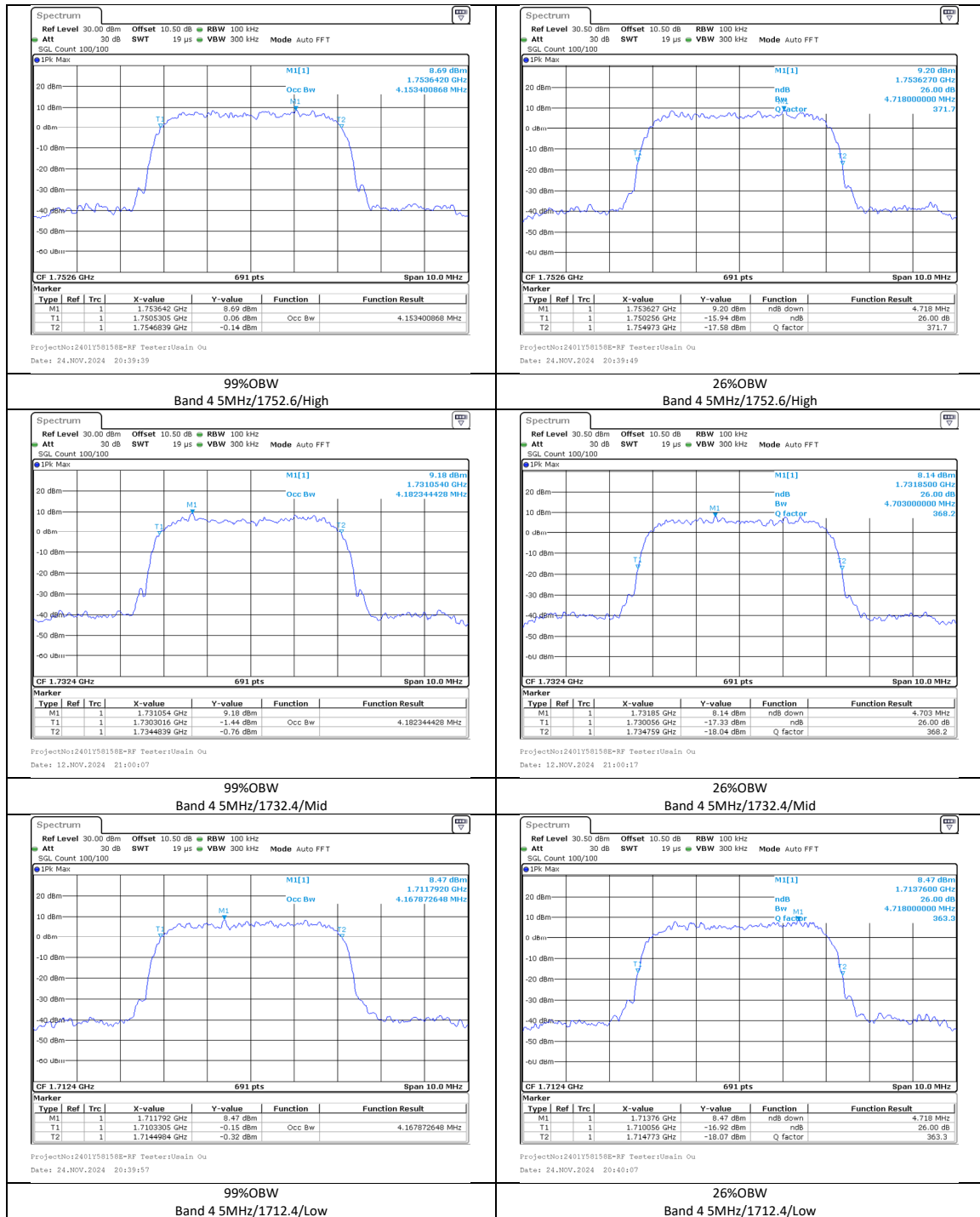
Peak to Average Ratio

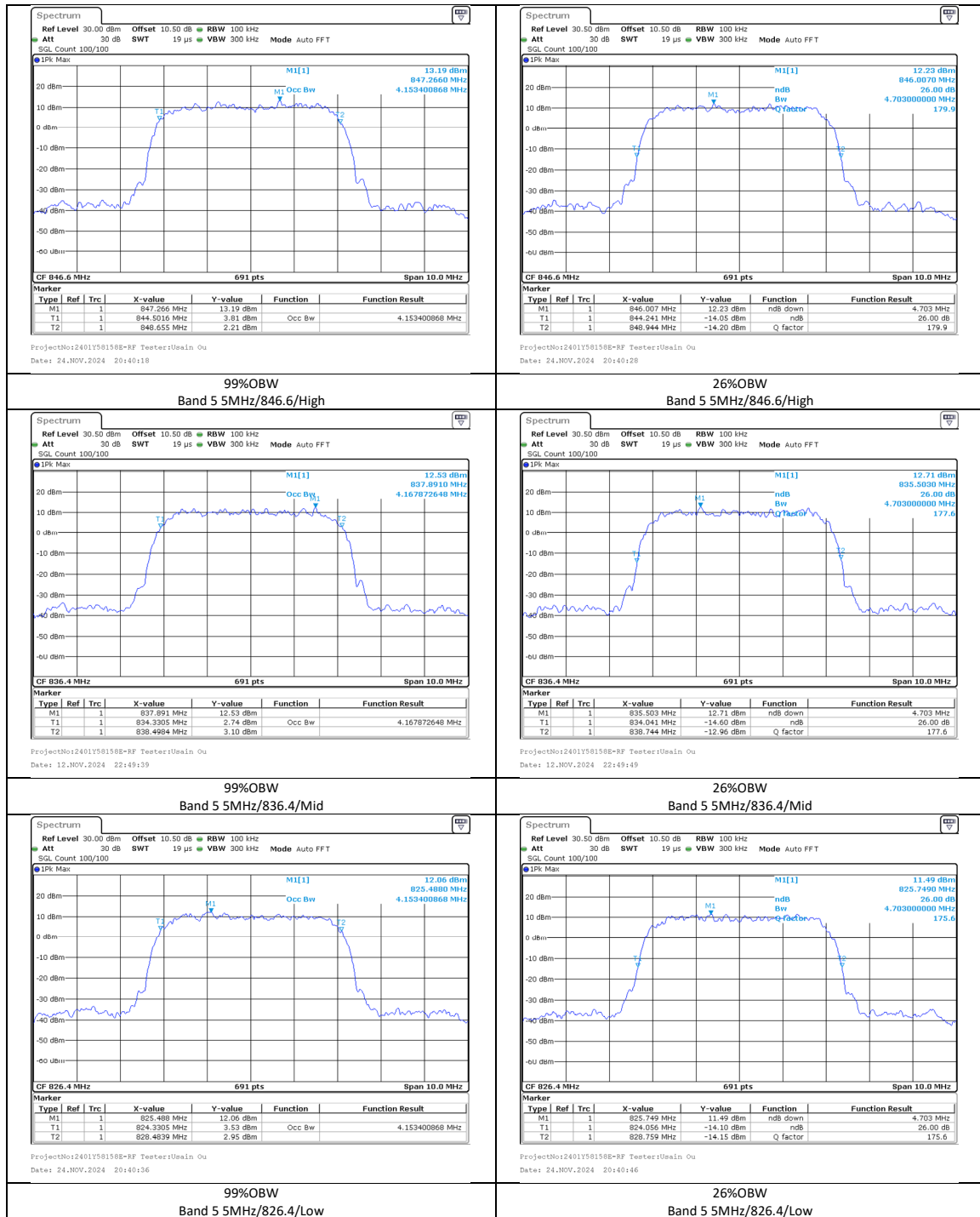
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	3.10	13	PASS
2	9400	1880.0	3.13	13	PASS
2	9262	1852.4	3.10	13	PASS
4	1513	1752.6	3.16	13	PASS
4	1412	1732.4	3.16	13	PASS
4	1312	1712.4	3.25	13	PASS
5	4233	846.6	3.19	13	PASS
5	4182	836.4	3.19	13	PASS
5	4132	826.4	3.16	13	PASS

Occupied Bandwidth

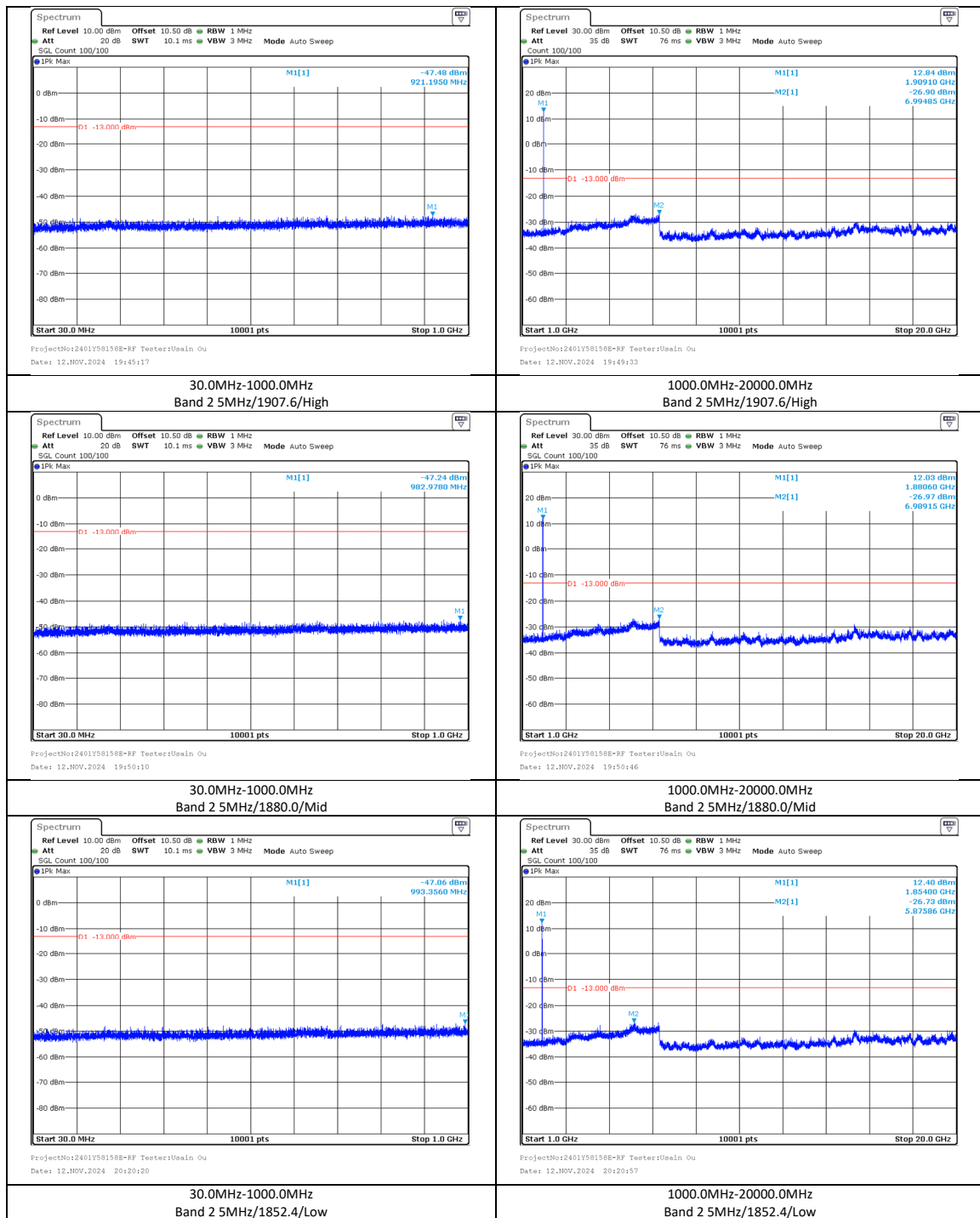
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9538	1907.6	4.1823	4.718	PASS
2	9400	1880.0	4.1968	4.718	PASS
2	9262	1852.4	4.1679	4.703	PASS
4	1513	1752.6	4.1534	4.718	PASS
4	1412	1732.4	4.1823	4.703	PASS
4	1312	1712.4	4.1679	4.718	PASS
5	4233	846.6	4.1534	4.703	PASS
5	4182	836.4	4.1679	4.703	PASS
5	4132	826.4	4.1534	4.703	PASS

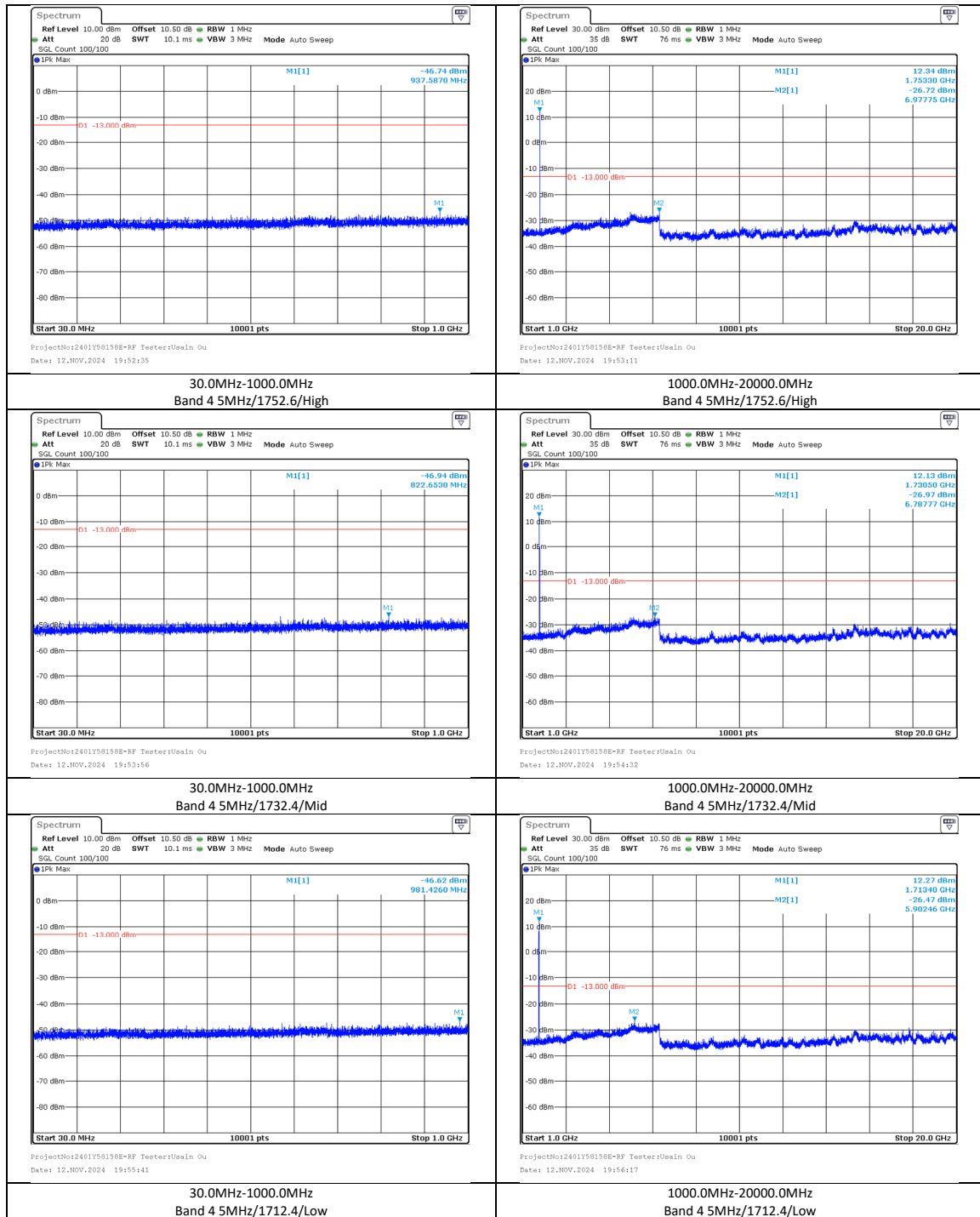


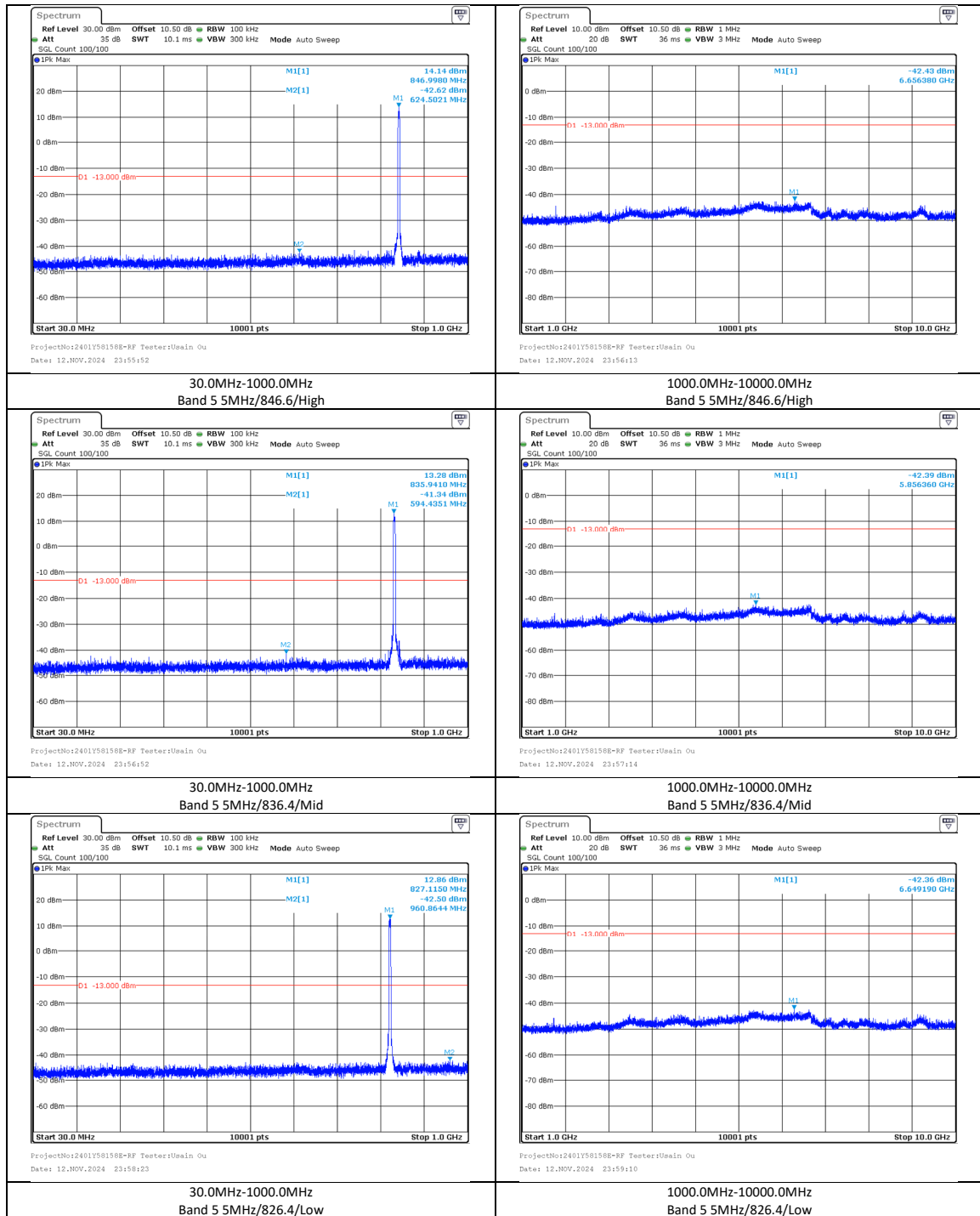




Conducted Spurious Emissions

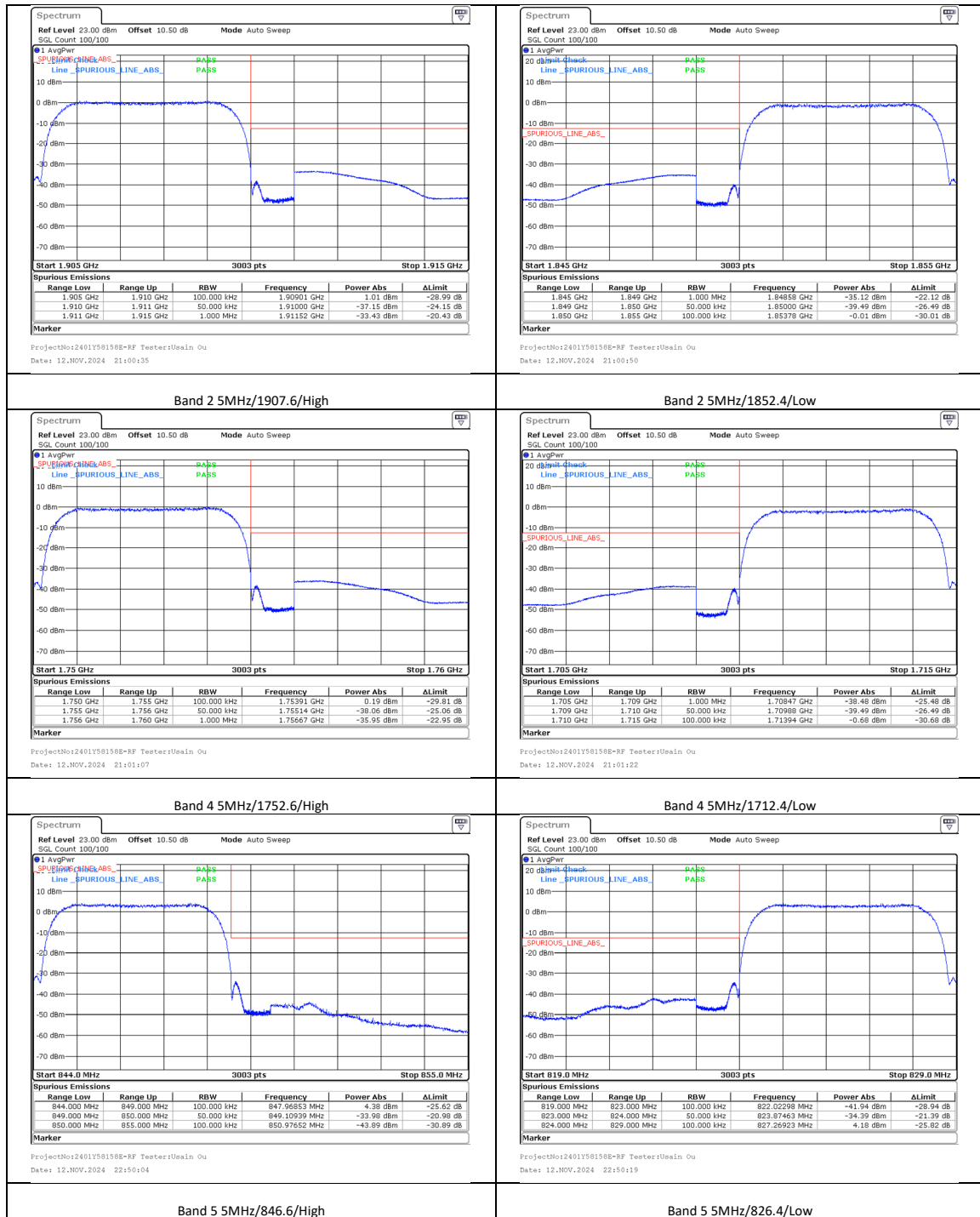






Conducted Band Edge

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	7.28	0.009	±2.5	PASS	20°C/4.5V
5	4233	846.6	-3.60	-0.004	±2.5	PASS	20°C/3.45V
5	4233	846.6	-10.00	-0.012	±2.5	PASS	50°C/3.91V
5	4233	846.6	-7.98	-0.009	±2.5	PASS	40°C/3.91V
5	4233	846.6	-2.38	-0.003	±2.5	PASS	30°C/3.91V
5	4233	846.6	-2.34	-0.003	±2.5	PASS	20°C/3.91V
5	4233	846.6	-9.30	-0.011	±2.5	PASS	10°C/3.91V
5	4233	846.6	-9.90	-0.012	±2.5	PASS	0°C/3.91V
5	4233	846.6	-6.55	-0.008	±2.5	PASS	-10°C/3.91V
5	4233	846.6	-8.09	-0.010	±2.5	PASS	-20°C/3.91V
5	4233	846.6	8.21	0.010	±2.5	PASS	-30°C/3.91V
5	4182	836.4	1.89	0.002	±2.5	PASS	20°C/4.5V
5	4182	836.4	1.75	0.002	±2.5	PASS	20°C/3.45V
5	4182	836.4	1.46	0.002	±2.5	PASS	50°C/3.91V
5	4182	836.4	-8.37	-0.010	±2.5	PASS	40°C/3.91V
5	4182	836.4	-4.58	-0.005	±2.5	PASS	30°C/3.91V
5	4182	836.4	-5.93	-0.007	±2.5	PASS	20°C/3.91V
5	4182	836.4	-8.06	-0.010	±2.5	PASS	10°C/3.91V
5	4182	836.4	9.58	0.011	±2.5	PASS	0°C/3.91V
5	4182	836.4	-6.81	-0.008	±2.5	PASS	-10°C/3.91V
5	4182	836.4	-1.10	-0.001	±2.5	PASS	-20°C/3.91V
5	4182	836.4	-7.49	-0.009	±2.5	PASS	-30°C/3.91V
5	4132	826.4	-5.95	-0.007	±2.5	PASS	20°C/4.5V
5	4132	826.4	8.35	0.010	±2.5	PASS	20°C/3.45V
5	4132	826.4	2.51	0.003	±2.5	PASS	50°C/3.91V
5	4132	826.4	-3.61	-0.004	±2.5	PASS	40°C/3.91V
5	4132	826.4	-8.53	-0.010	±2.5	PASS	30°C/3.91V
5	4132	826.4	-8.24	-0.010	±2.5	PASS	20°C/3.91V
5	4132	826.4	-5.70	-0.007	±2.5	PASS	10°C/3.91V
5	4132	826.4	-8.82	-0.011	±2.5	PASS	0°C/3.91V
5	4132	826.4	-7.34	-0.009	±2.5	PASS	-10°C/3.91V
5	4132	826.4	-7.16	-0.009	±2.5	PASS	-20°C/3.91V
5	4132	826.4	1.80	0.002	±2.5	PASS	-30°C/3.91V

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	1850.064	1850.000	1909.801	1910.000	20°C/4.5V
2	9262/9538	1852.4/1907.6	1850.088	1850.000	1909.884	1910.000	20°C/3.45V
2	9262/9538	1852.4/1907.6	1850.189	1850.000	1909.871	1910.000	50°C/3.91V
2	9262/9538	1852.4/1907.6	1850.078	1850.000	1909.857	1910.000	40°C/3.91V
2	9262/9538	1852.4/1907.6	1850.023	1850.000	1909.899	1910.000	30°C/3.91V
2	9262/9538	1852.4/1907.6	1850.026	1850.000	1909.970	1910.000	20°C/3.91V
2	9262/9538	1852.4/1907.6	1850.164	1850.000	1909.805	1910.000	10°C/3.91V
2	9262/9538	1852.4/1907.6	1850.153	1850.000	1909.816	1910.000	0°C/3.91V
2	9262/9538	1852.4/1907.6	1850.037	1850.000	1909.926	1910.000	-10°C/3.91V
2	9262/9538	1852.4/1907.6	1850.101	1850.000	1909.997	1910.000	-20°C/3.91V
2	9262/9538	1852.4/1907.6	1850.139	1850.000	1909.863	1910.000	-30°C/3.91V

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	1710.027	1710.000	1779.936	1755.000	20°C/4.5V
4	1312/1513	1712.4/1752.6	1710.138	1710.000	1779.960	1755.000	20°C/3.45V
4	1312/1513	1712.4/1752.6	1710.036	1710.000	1779.993	1755.000	50°C/3.91V
4	1312/1513	1712.4/1752.6	1710.002	1710.000	1779.854	1755.000	40°C/3.91V
4	1312/1513	1712.4/1752.6	1710.090	1710.000	1779.913	1755.000	30°C/3.91V
4	1312/1513	1712.4/1752.6	1710.141	1710.000	1779.886	1755.000	20°C/3.91V
4	1312/1513	1712.4/1752.6	1710.138	1710.000	1779.887	1755.000	10°C/3.91V
4	1312/1513	1712.4/1752.6	1710.123	1710.000	1779.800	1755.000	0°C/3.91V
4	1312/1513	1712.4/1752.6	1710.008	1710.000	1779.882	1755.000	-10°C/3.91V
4	1312/1513	1712.4/1752.6	1710.080	1710.000	1779.981	1755.000	-20°C/3.91V
4	1312/1513	1712.4/1752.6	1710.100	1710.000	1779.997	1755.000	-30°C/3.91V