

Appendix R

Test Information:

Sample No.:	2UIA-7	Test Date:	2024/12/23
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Lin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.7	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101
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Transmitter Conducted Output Power And ERP/EIRP

Band	Channel	Freq (MHz)	Connection Type	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(Limit) (dBm)	Verdict
2	9538	1907.6	RMC	24.14	24.93	0.311	33.01	PASS
2	9538	1907.6	HSDPA Subtest-1	22.87	23.66	0.232	33.01	PASS
2	9538	1907.6	HSDPA Subtest-2	22.6	23.39	0.218	33.01	PASS
2	9538	1907.6	HSDPA Subtest-3	22.22	23.01	0.200	33.01	PASS
2	9538	1907.6	HSDPA Subtest-4	22.18	22.97	0.198	33.01	PASS
2	9538	1907.6	HSUPA Subtest-1	22.25	23.04	0.201	33.01	PASS
2	9538	1907.6	HSUPA Subtest-2	22.68	23.47	0.222	33.01	PASS
2	9538	1907.6	HSUPA Subtest-3	21.71	22.50	0.178	33.01	PASS
2	9538	1907.6	HSUPA Subtest-4	22.66	23.45	0.221	33.01	PASS
2	9538	1907.6	HSUPA Subtest-5	21.67	22.46	0.176	33.01	PASS
2	9538	1907.6	HSPA+	22.83	23.62	0.230	33.01	PASS
2	9400	1880.0	RMC	23.81	24.60	0.288	33.01	PASS
2	9400	1880.0	HSDPA Subtest-1	22.65	23.44	0.221	33.01	PASS
2	9400	1880.0	HSDPA Subtest-2	22.49	23.28	0.213	33.01	PASS
2	9400	1880.0	HSDPA Subtest-3	22.08	22.87	0.194	33.01	PASS
2	9400	1880.0	HSDPA Subtest-4	21.97	22.76	0.189	33.01	PASS
2	9400	1880.0	HSUPA Subtest-1	21.99	22.78	0.190	33.01	PASS
2	9400	1880.0	HSUPA Subtest-2	22.57	23.36	0.217	33.01	PASS
2	9400	1880.0	HSUPA Subtest-3	21.51	22.30	0.170	33.01	PASS
2	9400	1880.0	HSUPA Subtest-4	22.87	23.66	0.232	33.01	PASS
2	9400	1880.0	HSUPA Subtest-5	19.98	20.77	0.119	33.01	PASS
2	9400	1880.0	HSPA+	22.61	23.40	0.219	33.01	PASS
2	9262	1852.4	RMC	23.96	24.75	0.299	33.01	PASS
2	9262	1852.4	HSDPA Subtest-1	22.61	23.40	0.219	33.01	PASS
2	9262	1852.4	HSDPA Subtest-2	22.51	23.30	0.214	33.01	PASS
2	9262	1852.4	HSDPA Subtest-3	21.96	22.75	0.188	33.01	PASS
2	9262	1852.4	HSDPA Subtest-4	22.0	22.79	0.190	33.01	PASS
2	9262	1852.4	HSUPA Subtest-1	22.0	22.79	0.190	33.01	PASS
2	9262	1852.4	HSUPA Subtest-2	22.47	23.26	0.212	33.01	PASS
2	9262	1852.4	HSUPA Subtest-3	21.5	22.29	0.169	33.01	PASS
2	9262	1852.4	HSUPA Subtest-4	22.5	23.29	0.213	33.01	PASS
2	9262	1852.4	HSUPA Subtest-5	21.49	22.28	0.169	33.01	PASS
2	9262	1852.4	HSPA+	22.58	23.37	0.217	33.01	PASS
5	4233	846.6	RMC	24.53	18.01	0.063	38.45	PASS
5	4233	846.6	HSDPA Subtest-1	23.66	17.14	0.052	38.45	PASS
5	4233	846.6	HSDPA Subtest-2	23.45	16.93	0.049	38.45	PASS
5	4233	846.6	HSDPA Subtest-3	23.02	16.50	0.045	38.45	PASS
5	4233	846.6	HSDPA Subtest-4	22.96	16.44	0.044	38.45	PASS
5	4233	846.6	HSUPA Subtest-1	22.94	16.42	0.044	38.45	PASS

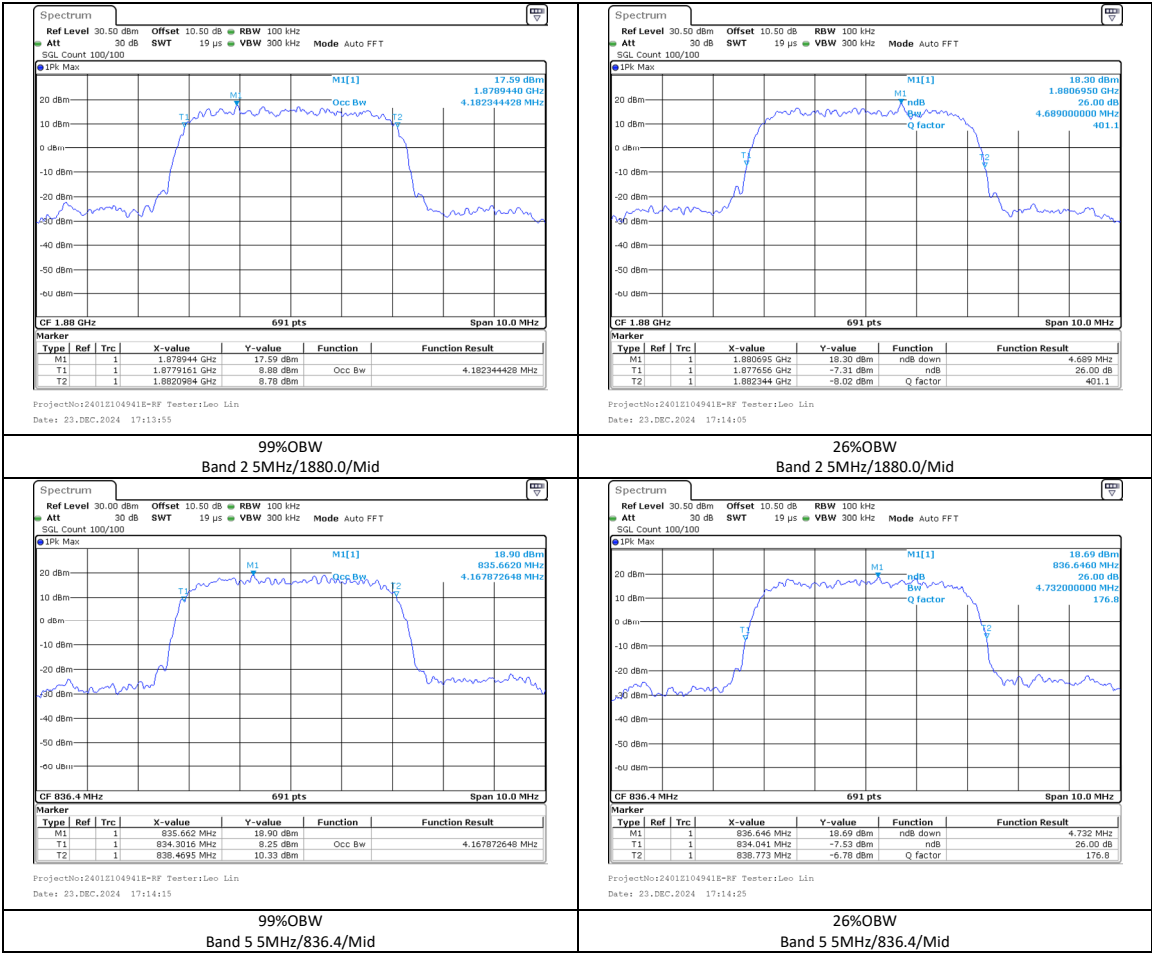
5	4233	846.6	HSUPA Subtest-2	23.6	17.08	0.051	38.45	PASS
5	4233	846.6	HSUPA Subtest-3	22.58	16.06	0.040	38.45	PASS
5	4233	846.6	HSUPA Subtest-4	23.62	17.10	0.051	38.45	PASS
5	4233	846.6	HSUPA Subtest-5	22.6	16.08	0.041	38.45	PASS
5	4233	846.6	HSPA+	23.62	17.10	0.051	38.45	PASS
5	4182	836.4	RMC	24.7	18.18	0.066	38.45	PASS
5	4182	836.4	HSDPA Subtest-1	23.67	17.15	0.052	38.45	PASS
5	4182	836.4	HSDPA Subtest-2	23.6	17.08	0.051	38.45	PASS
5	4182	836.4	HSDPA Subtest-3	23.18	16.66	0.046	38.45	PASS
5	4182	836.4	HSDPA Subtest-4	23.13	16.61	0.046	38.45	PASS
5	4182	836.4	HSUPA Subtest-1	22.95	16.43	0.044	38.45	PASS
5	4182	836.4	HSUPA Subtest-2	23.56	17.04	0.051	38.45	PASS
5	4182	836.4	HSUPA Subtest-3	22.66	16.14	0.041	38.45	PASS
5	4182	836.4	HSUPA Subtest-4	23.61	17.09	0.051	38.45	PASS
5	4182	836.4	HSUPA Subtest-5	22.62	16.10	0.041	38.45	PASS
5	4182	836.4	HSPA+	23.63	17.11	0.051	38.45	PASS
5	4132	826.4	RMC	24.71	18.19	0.066	38.45	PASS
5	4132	826.4	HSDPA Subtest-1	23.56	17.04	0.051	38.45	PASS
5	4132	826.4	HSDPA Subtest-2	23.45	16.93	0.049	38.45	PASS
5	4132	826.4	HSDPA Subtest-3	23.08	16.56	0.045	38.45	PASS
5	4132	826.4	HSDPA Subtest-4	23.08	16.56	0.045	38.45	PASS
5	4132	826.4	HSUPA Subtest-1	23.02	16.50	0.045	38.45	PASS
5	4132	826.4	HSUPA Subtest-2	23.57	17.05	0.051	38.45	PASS
5	4132	826.4	HSUPA Subtest-3	22.51	15.99	0.040	38.45	PASS
5	4132	826.4	HSUPA Subtest-4	23.54	17.02	0.050	38.45	PASS
5	4132	826.4	HSUPA Subtest-5	22.51	15.99	0.040	38.45	PASS
5	4182	836.4	HSPA+	23.55	17.03	0.050	38.45	PASS
Note: The ERP is for below 1GHz, EIRP is for above 1GHz $EIRP = \text{Conducted Power(dBm)} - L_c(\text{dB}) + G_T(\text{dBi})$ $ERP = \text{Conducted Power(dBm)} - L_c(\text{dB}) + G_T(\text{dBd})$ $G_T(\text{dBd}) = G_T(\text{dBi}) - 2.15$								

Peak to Average Ratio

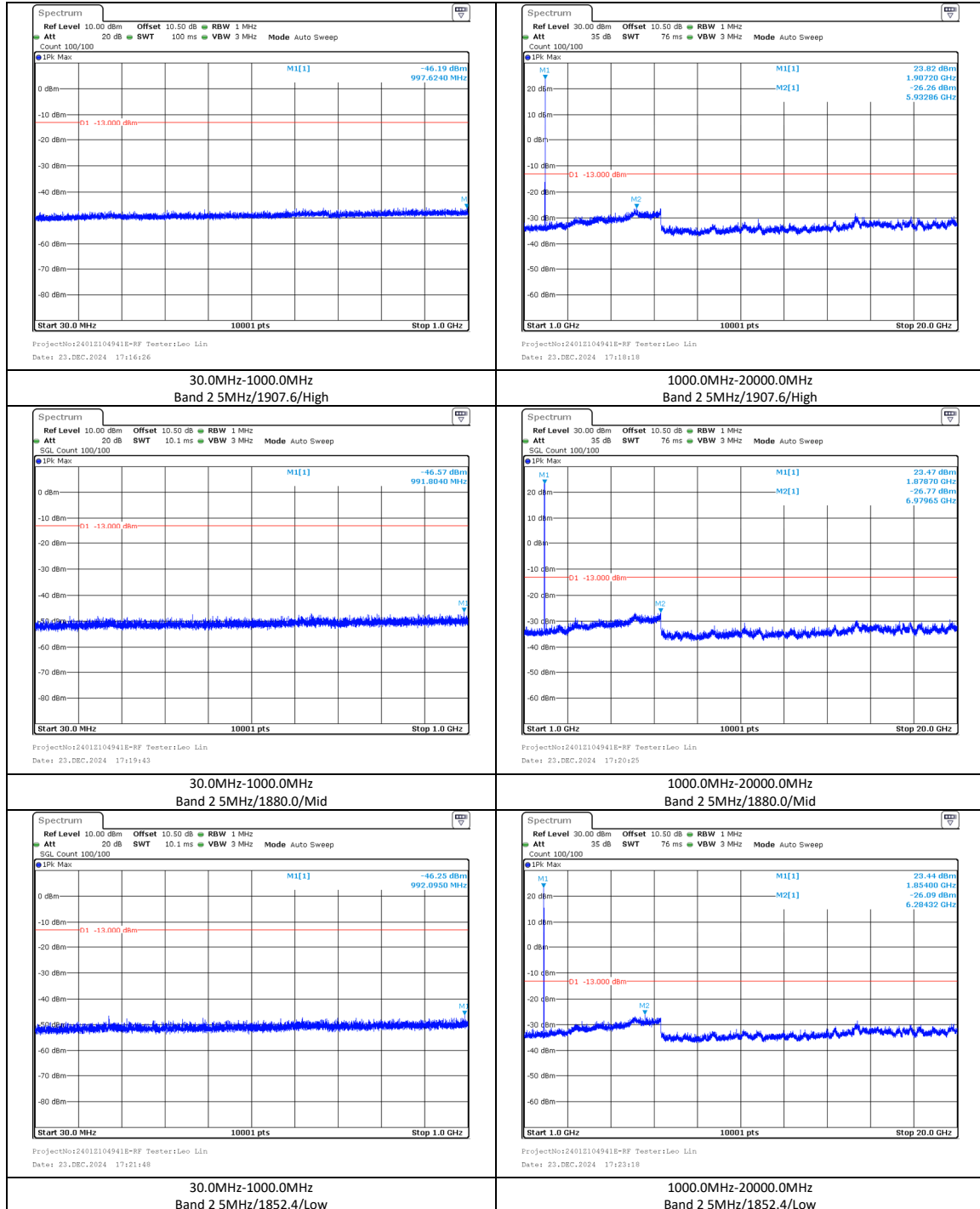
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	3.16	13	PASS
2	9400	1880.0	3.13	13	PASS
2	9262	1852.4	3.10	13	PASS
5	4233	846.6	3.10	13	PASS
5	4182	836.4	2.96	13	PASS
5	4132	826.4	3.07	13	PASS

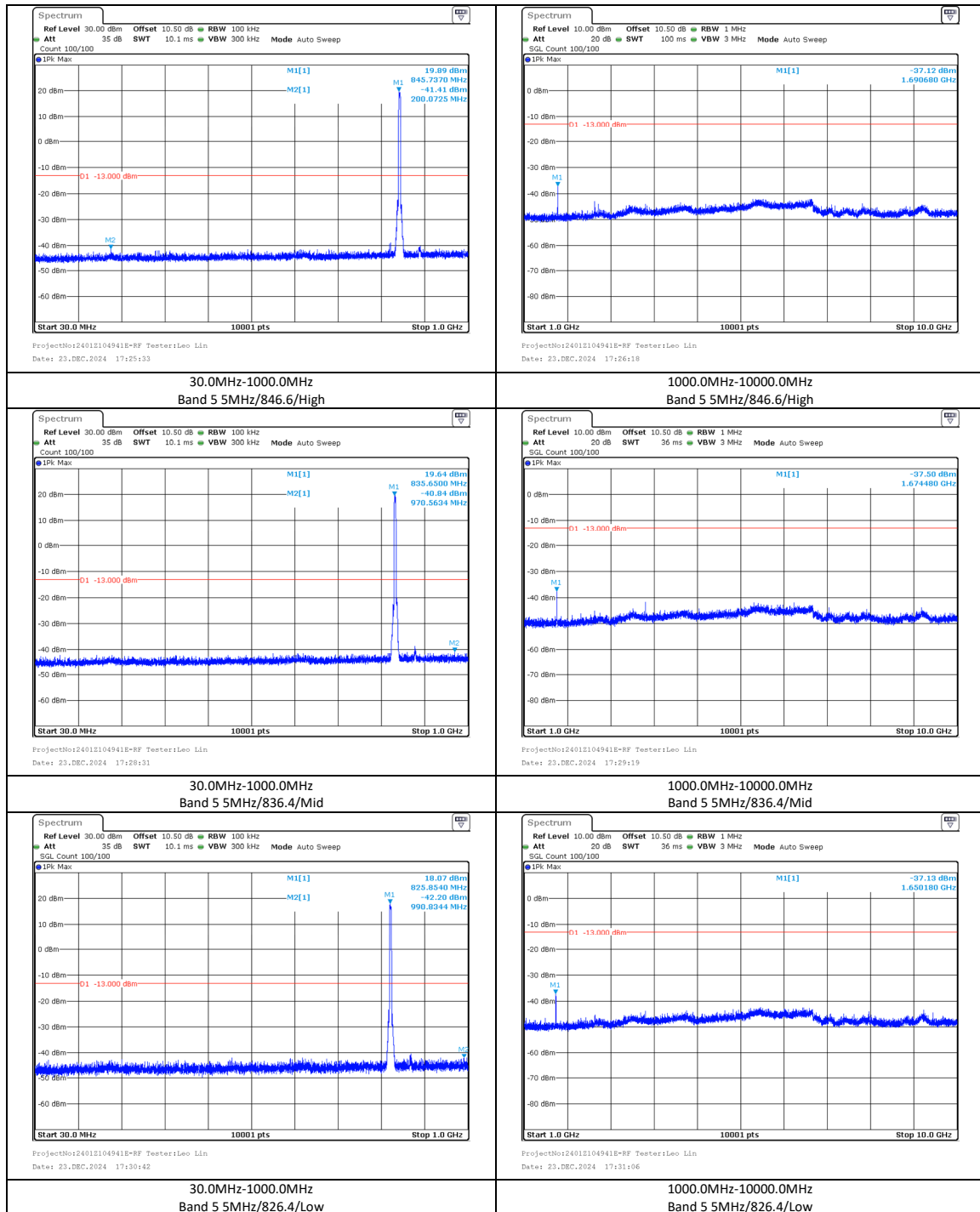
Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9400	1880.0	4.1823	4.689	PASS
5	4182	836.4	4.1679	4.732	PASS



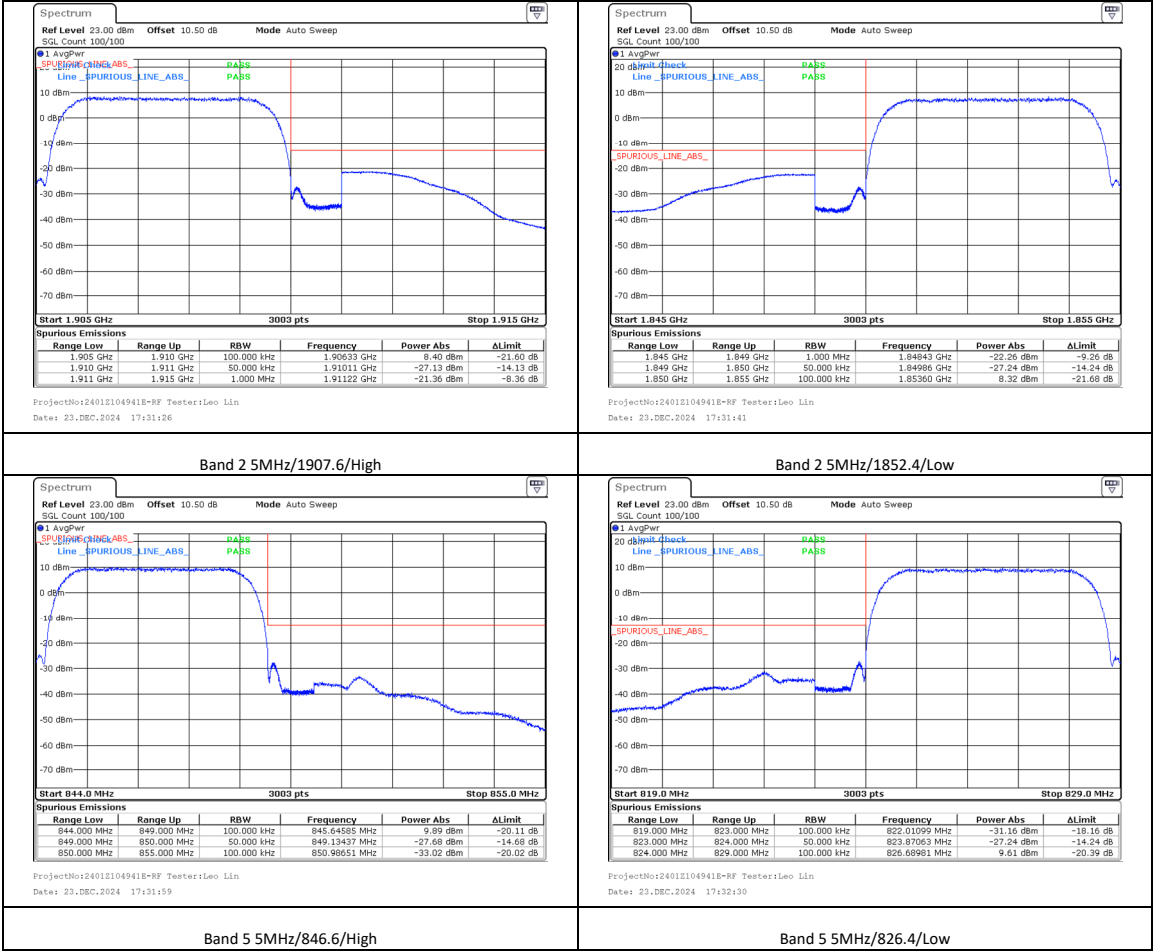
Conducted Spurious Emissions





Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
2	9538	1907.6	see graph	PASS
2	9262	1852.4	see graph	PASS
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	2.56	0.00302	±2.5	PASS	20℃/3.4V
5	4233	846.6	-1.34	-0.00158	±2.5	PASS	20℃/4.4V
5	4233	846.6	2.81	0.00332	±2.5	PASS	50℃/3.85V
5	4233	846.6	5.16	0.00609	±2.5	PASS	40℃/3.85V
5	4233	846.6	-5.80	-0.00685	±2.5	PASS	30℃/3.85V
5	4233	846.6	3.05	0.00360	±2.5	PASS	20℃/3.85V
5	4233	846.6	-2.28	-0.00269	±2.5	PASS	10℃/3.85V
5	4233	846.6	-5.42	-0.00640	±2.5	PASS	0℃/3.85V
5	4233	846.6	5.19	0.00613	±2.5	PASS	-10℃/3.85V
5	4233	846.6	0.78	0.00092	±2.5	PASS	-20℃/3.85V
5	4233	846.6	-3.44	-0.00406	±2.5	PASS	-30℃/3.85V
5	4182	836.4	-1.13	-0.00135	±2.5	PASS	20℃/3.4V
5	4182	836.4	-0.04	-0.00005	±2.5	PASS	20℃/4.4V
5	4182	836.4	-6.72	-0.00803	±2.5	PASS	50℃/3.85V
5	4182	836.4	-4.48	-0.00536	±2.5	PASS	40℃/3.85V
5	4182	836.4	2.13	0.00255	±2.5	PASS	30℃/3.85V
5	4182	836.4	0.25	0.00030	±2.5	PASS	20℃/3.85V
5	4182	836.4	2.20	0.00263	±2.5	PASS	10℃/3.85V
5	4182	836.4	-2.63	-0.00314	±2.5	PASS	0℃/3.85V
5	4182	836.4	-5.77	-0.00690	±2.5	PASS	-10℃/3.85V
5	4182	836.4	0.62	0.00074	±2.5	PASS	-20℃/3.85V
5	4182	836.4	-7.11	-0.00850	±2.5	PASS	-30℃/3.85V
5	4132	826.4	-1.65	-0.00200	±2.5	PASS	20℃/3.4V
5	4132	826.4	5.44	0.00658	±2.5	PASS	20℃/4.4V
5	4132	826.4	2.15	0.00260	±2.5	PASS	50℃/3.85V
5	4132	826.4	-1.24	-0.00150	±2.5	PASS	40℃/3.85V
5	4132	826.4	4.71	0.00570	±2.5	PASS	30℃/3.85V
5	4132	826.4	-3.28	-0.00397	±2.5	PASS	20℃/3.85V
5	4132	826.4	-2.38	-0.00288	±2.5	PASS	10℃/3.85V
5	4132	826.4	5.09	0.00616	±2.5	PASS	0℃/3.85V
5	4132	826.4	1.03	0.00125	±2.5	PASS	-10℃/3.85V
5	4132	826.4	-3.09	-0.00374	±2.5	PASS	-20℃/3.85V
5	4132	826.4	3.58	0.00433	±2.5	PASS	-30℃/3.85V

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	1850.053	1850.000	1909.839	1910.000	20°C/3.4V
2	9262/9538	1852.4/1907.6	1850.028	1850.000	1909.858	1910.000	20°C/4.4V
2	9262/9538	1852.4/1907.6	1850.169	1850.000	1909.821	1910.000	50°C/3.85V
2	9262/9538	1852.4/1907.6	1850.147	1850.000	1909.915	1910.000	40°C/3.85V
2	9262/9538	1852.4/1907.6	1850.156	1850.000	1909.975	1910.000	30°C/3.85V
2	9262/9538	1852.4/1907.6	1850.074	1850.000	1909.981	1910.000	20°C/3.85V
2	9262/9538	1852.4/1907.6	1850.124	1850.000	1909.860	1910.000	10°C/3.85V
2	9262/9538	1852.4/1907.6	1850.151	1850.000	1909.932	1910.000	0°C/3.85V
2	9262/9538	1852.4/1907.6	1850.047	1850.000	1909.982	1910.000	-10°C/3.85V
2	9262/9538	1852.4/1907.6	1850.068	1850.000	1909.925	1910.000	-20°C/3.85V
2	9262/9538	1852.4/1907.6	1850.161	1850.000	1909.959	1910.000	-30°C/3.85V