

Appendix A

Test Information:

Sample No.:	2XM8-2	Test Date:	2025/02/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.2	Relative Humidity: (%)	53	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(Limit) (dBm)	Verdict
2	9538	1907.6	RMC	22.96	23.58	33.01	PASS
2	9538	1907.6	HSDPA Subtest-1	23.2	23.82	33.01	PASS
2	9538	1907.6	HSDPA Subtest-2	23.17	23.79	33.01	PASS
2	9538	1907.6	HSDPA Subtest-3	22.86	23.48	33.01	PASS
2	9538	1907.6	HSDPA Subtest-4	22.37	22.99	33.01	PASS
2	9538	1907.6	HSUPA Subtest-1	22.38	23	33.01	PASS
2	9538	1907.6	HSUPA Subtest-2	22.2	22.82	33.01	PASS
2	9538	1907.6	HSUPA Subtest-3	21.94	22.56	33.01	PASS
2	9538	1907.6	HSUPA Subtest-4	22.35	22.97	33.01	PASS
2	9538	1907.6	HSUPA Subtest-5	21.84	22.46	33.01	PASS
2	9538	1907.6	HSPA+	22.13	22.75	33.01	PASS
2	9400	1880.0	RMC	22.62	23.24	33.01	PASS
2	9400	1880.0	HSDPA Subtest-1	22.67	23.29	33.01	PASS
2	9400	1880.0	HSDPA Subtest-2	22.78	23.4	33.01	PASS
2	9400	1880.0	HSDPA Subtest-3	22.38	23	33.01	PASS
2	9400	1880.0	HSDPA Subtest-4	21.95	22.57	33.01	PASS
2	9400	1880.0	HSUPA Subtest-1	22.12	22.74	33.01	PASS
2	9400	1880.0	HSUPA Subtest-2	21.96	22.58	33.01	PASS
2	9400	1880.0	HSUPA Subtest-3	21.6	22.22	33.01	PASS
2	9400	1880.0	HSUPA Subtest-4	22.03	22.65	33.01	PASS
2	9400	1880.0	HSUPA Subtest-5	21.53	22.15	33.01	PASS
2	9400	1880.0	HSPA+	21.96	22.58	33.01	PASS
2	9262	1852.4	RMC	22.94	23.56	33.01	PASS
2	9262	1852.4	HSDPA Subtest-1	22.99	23.61	33.01	PASS
2	9262	1852.4	HSDPA Subtest-2	23.09	23.71	33.01	PASS
2	9262	1852.4	HSDPA Subtest-3	22.57	23.19	33.01	PASS
2	9262	1852.4	HSDPA Subtest-4	22.13	22.75	33.01	PASS
2	9262	1852.4	HSUPA Subtest-1	22.43	23.05	33.01	PASS
2	9262	1852.4	HSUPA Subtest-2	22.37	22.99	33.01	PASS
2	9262	1852.4	HSUPA Subtest-3	21.91	22.53	33.01	PASS
2	9262	1852.4	HSUPA Subtest-4	22.36	22.98	33.01	PASS
2	9262	1852.4	HSUPA Subtest-5	21.84	22.46	33.01	PASS
2	9262	1852.4	HSPA+	21.87	22.49	33.01	PASS
5	4233	846.6	RMC	22.5	22.01	38.45	PASS
5	4233	846.6	HSDPA Subtest-1	22.67	22.18	38.45	PASS
5	4233	846.6	HSDPA Subtest-2	22.38	21.89	38.45	PASS
5	4233	846.6	HSDPA Subtest-3	21.86	21.37	38.45	PASS
5	4233	846.6	HSDPA Subtest-4	21.45	20.96	38.45	PASS
5	4233	846.6	HSUPA Subtest-1	21.32	20.83	38.45	PASS
5	4233	846.6	HSUPA Subtest-2	21.18	20.69	38.45	PASS
5	4233	846.6	HSUPA Subtest-3	21.01	20.52	38.45	PASS
5	4233	846.6	HSUPA Subtest-4	21.52	21.03	38.45	PASS
5	4233	846.6	HSUPA Subtest-5	20.9	20.41	38.45	PASS
5	4233	846.6	HSPA+	21.43	20.94	38.45	PASS
5	4182	836.4	RMC	22.48	21.99	38.45	PASS
5	4182	836.4	HSDPA Subtest-1	22.64	22.15	38.45	PASS
5	4182	836.4	HSDPA Subtest-2	22.31	21.82	38.45	PASS
5	4182	836.4	HSDPA Subtest-3	21.77	21.28	38.45	PASS
5	4182	836.4	HSDPA Subtest-4	21.69	21.2	38.45	PASS
5	4182	836.4	HSUPA Subtest-1	21.31	20.82	38.45	PASS
5	4182	836.4	HSUPA Subtest-2	21.46	20.97	38.45	PASS
5	4182	836.4	HSUPA Subtest-3	20.93	20.44	38.45	PASS
5	4182	836.4	HSUPA Subtest-4	21.48	20.99	38.45	PASS
5	4182	836.4	HSUPA Subtest-5	20.86	20.37	38.45	PASS
5	4182	836.4	HSPA+	21.56	21.07	38.45	PASS
5	4132	826.4	RMC	22.28	21.79	38.45	PASS
5	4132	826.4	HSDPA Subtest-1	22.49	22	38.45	PASS
5	4132	826.4	HSDPA Subtest-2	22.17	21.68	38.45	PASS
5	4132	826.4	HSDPA Subtest-3	21.9	21.41	38.45	PASS
5	4132	826.4	HSDPA Subtest-4	21.47	20.98	38.45	PASS
5	4132	826.4	HSUPA Subtest-1	21.19	20.7	38.45	PASS
5	4132	826.4	HSUPA Subtest-2	21.05	20.56	38.45	PASS
5	4132	826.4	HSUPA Subtest-3	20.88	20.39	38.45	PASS
5	4132	826.4	HSUPA Subtest-4	21.37	20.88	38.45	PASS
5	4132	826.4	HSUPA Subtest-5	20.79	20.3	38.45	PASS
5	4132	826.4	HSPA+	21.32	20.83	38.45	PASS

Note 1: ERP for the WCDMA Band 5, EIRP for the WCDMA Band 2.

Note 2: ERP = Conducted Power(dBm) + Antenna Gain(dBd) - Cable Loss(dB)

Antenna Gain(dBd) = Antenna Gain(dBi) - 2.15;

Note 3: EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

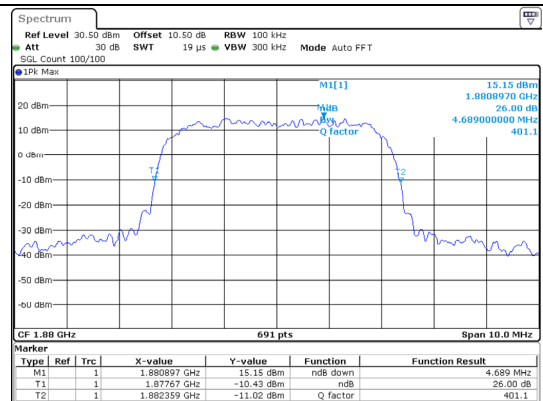
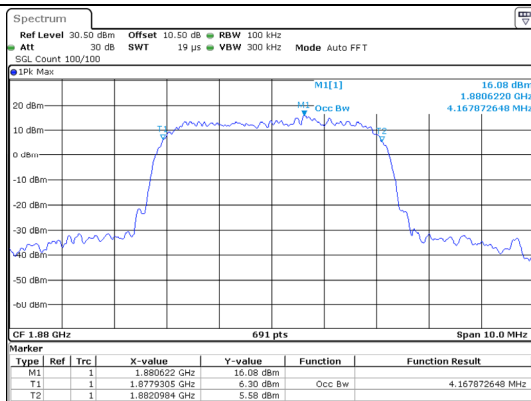
Note 4: Antenna gain is 1.66dBi(B5), 0.62dBi(B2); Cable loss=0dB.

Peak to Average Ratio

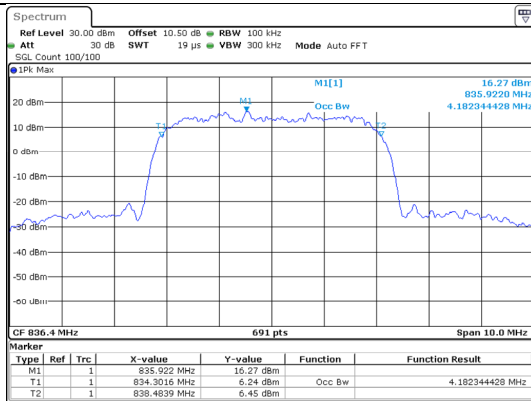
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	3.22	13	PASS
2	9400	1880.0	3.28	13	PASS
2	9262	1852.4	3.25	13	PASS
5	4233	846.6	3.01	13	PASS
5	4182	836.4	2.87	13	PASS
5	4132	826.4	3.10	13	PASS

Occupied Bandwidth

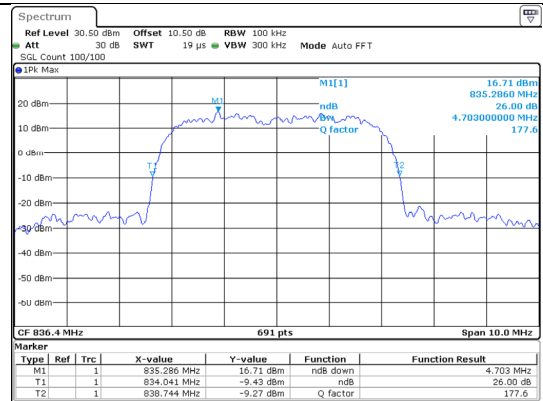
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9400	1880.0	4.1679	4.689	PASS
5	4182	836.4	4.1823	4.703	PASS



99%OBW
Band 2 5MHz/1880.0/Mid



26%OBW
Band 2 5MHz/1880.0/Mid



99%OBW
Band 5 5MHz/836.4/Mid

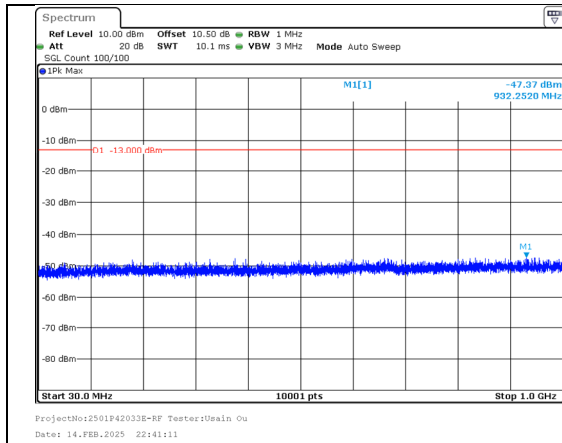


26%OBW
Band 5 5MHz/836.4/Mid

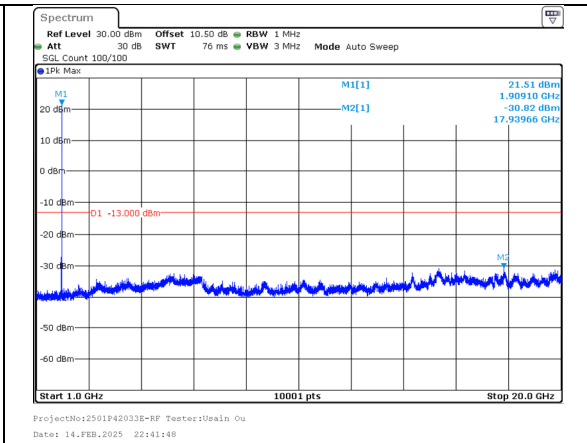


Conducted Spurious Emissions

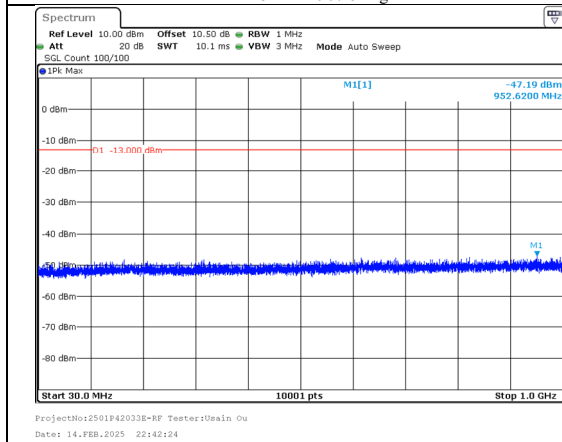
Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
2	9538	1907.6	30.0	1000.0	-47.37	-13	PASS
2	9538	1907.6	1000.0	20000.0	-30.82	-13	PASS
2	9400	1880.0	30.0	1000.0	-47.19	-13	PASS
2	9400	1880.0	1000.0	20000.0	-30.92	-13	PASS
2	9262	1852.4	30.0	1000.0	-46.5	-13	PASS
2	9262	1852.4	1000.0	20000.0	-30.91	-13	PASS
5	4233	846.6	30.0	1000.0	-47.51	-13	PASS
5	4233	846.6	1000.0	10000.0	-37.52	-13	PASS
5	4182	836.4	30.0	1000.0	-47.37	-13	PASS
5	4182	836.4	1000.0	10000.0	-36.16	-13	PASS
5	4132	826.4	30.0	1000.0	-47.07	-13	PASS
5	4132	826.4	1000.0	10000.0	-36.08	-13	PASS



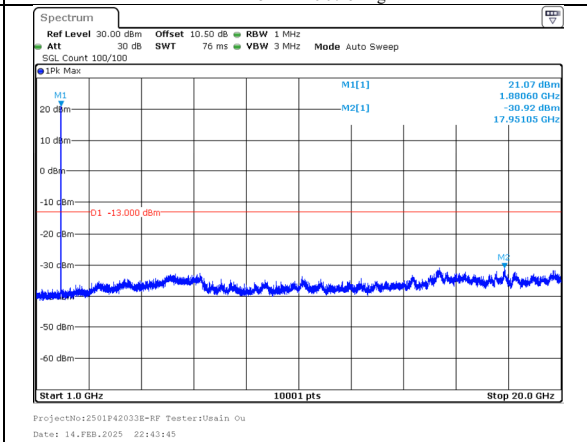
30.0MHz-1000.0MHz
Band 2 5MHz/1907.6/High



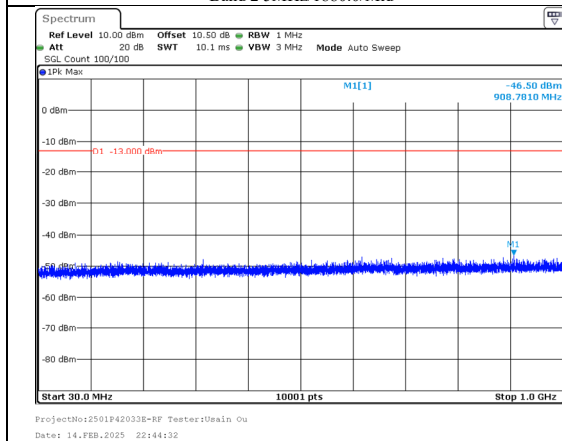
1000.0MHz-20000.0MHz
Band 2 5MHz/1907.6/High



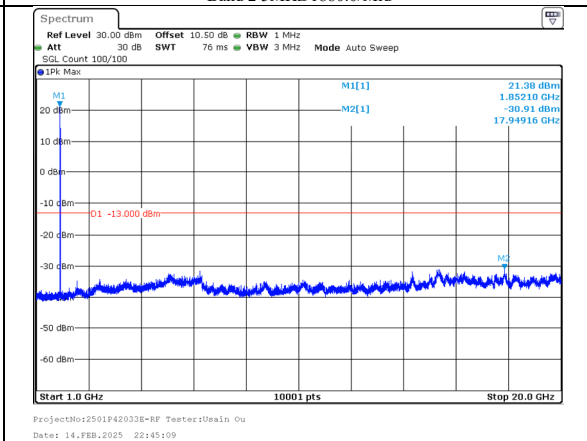
30.0MHz-1000.0MHz
Band 2 5MHz/1880.0/Mid



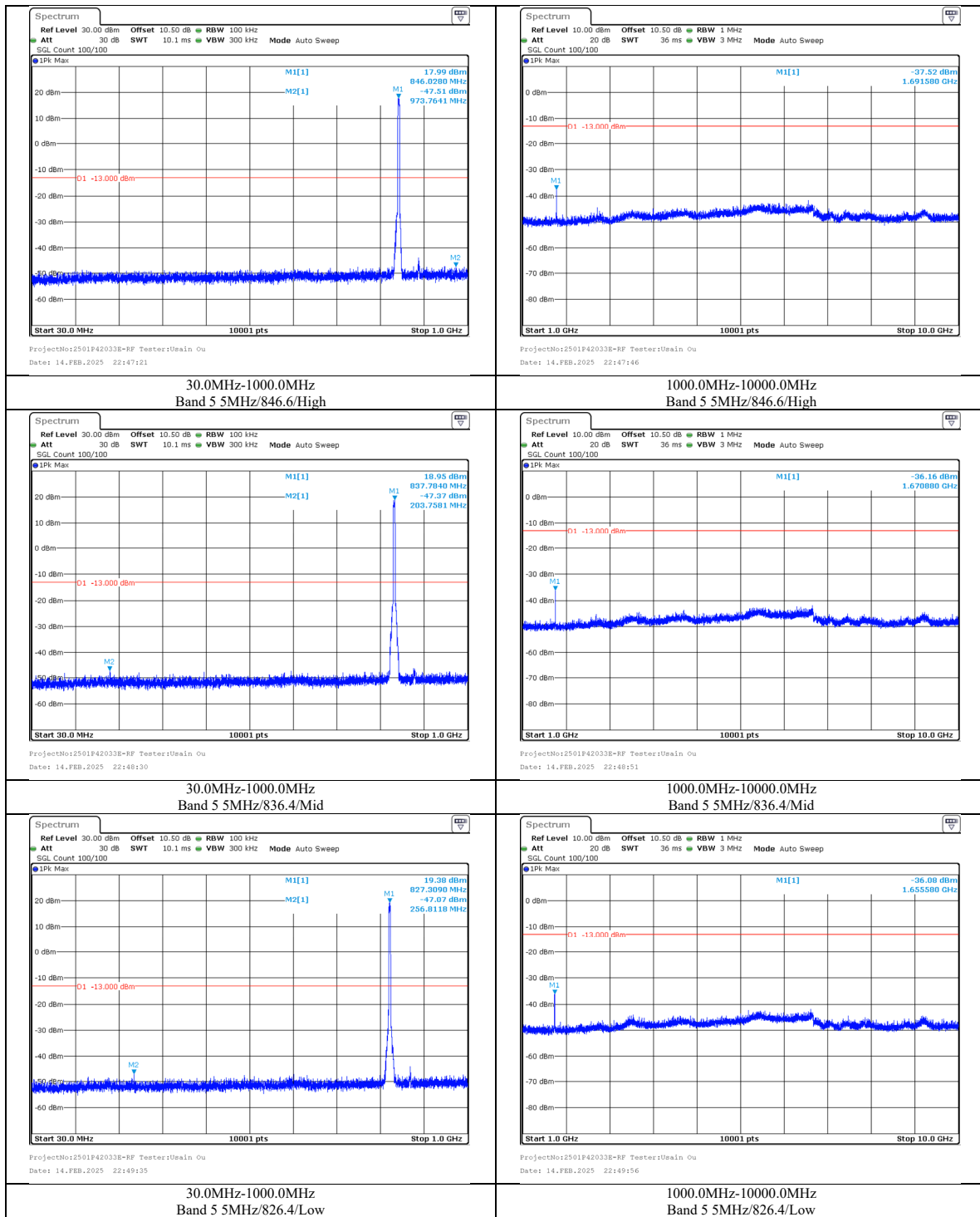
1000.0MHz-20000.0MHz
Band 2 5MHz/1880.0/Mid



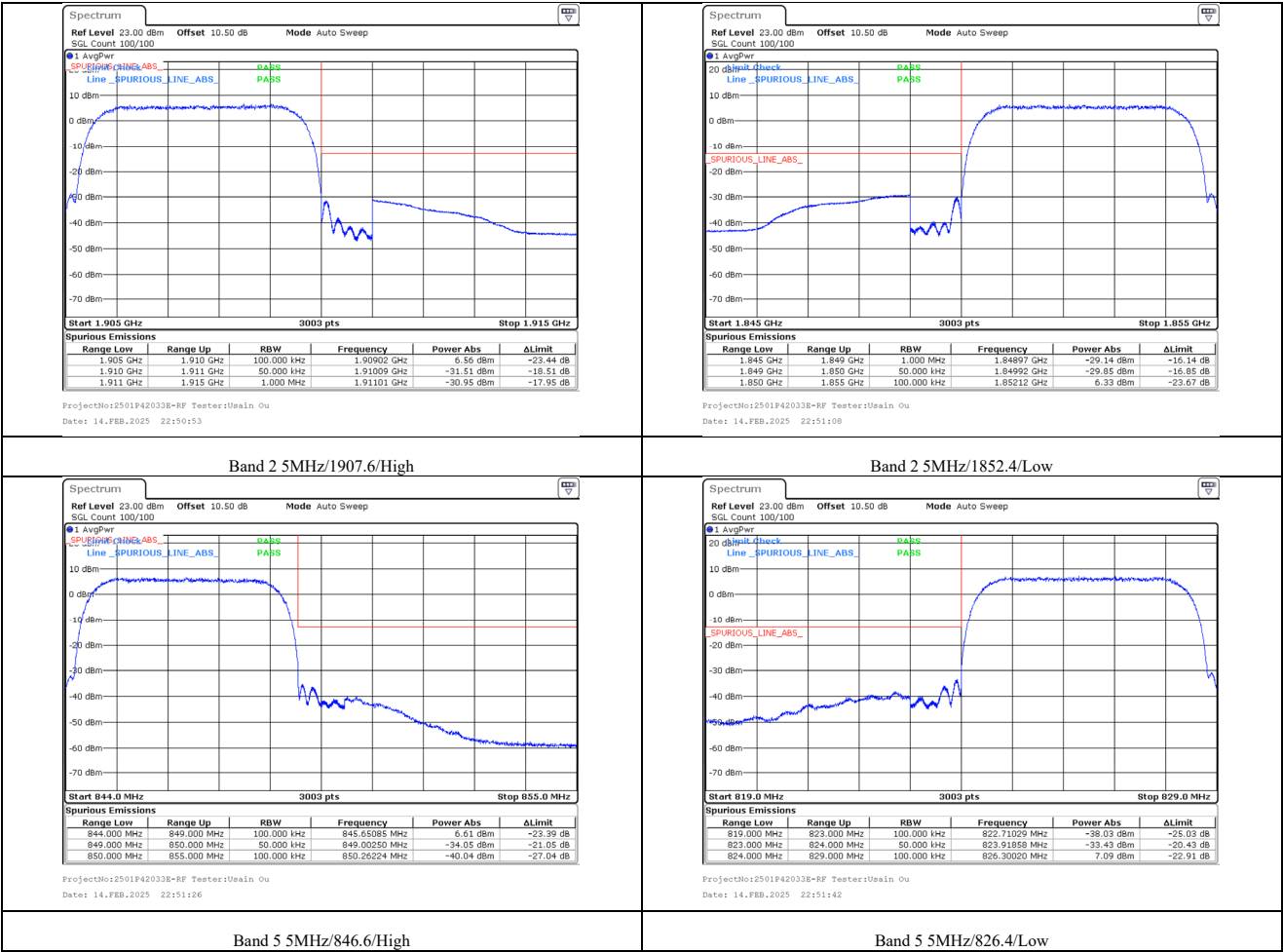
30.0MHz-1000.0MHz
Band 2 5MHz/1852.4/Low



1000.0MHz-20000.0MHz
Band 2 5MHz/1852.4/Low



Conducted Band Edge



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
5	4233	846.6	1.32	0.00156	±2.5	PASS	20°C/4.35V
5	4233	846.6	-3.11	-0.00367	±2.5	PASS	20°C/3.4V
5	4233	846.6	0.16	0.00019	±2.5	PASS	50°C/3.8V
5	4233	846.6	-5.94	-0.00702	±2.5	PASS	40°C/3.8V
5	4233	846.6	2.56	0.00302	±2.5	PASS	30°C/3.8V
5	4233	846.6	-5.49	-0.00648	±2.5	PASS	20°C/3.8V
5	4233	846.6	1.25	0.00148	±2.5	PASS	10°C/3.8V
5	4233	846.6	0.46	0.00054	±2.5	PASS	0°C/3.8V
5	4233	846.6	2.03	0.00240	±2.5	PASS	-10°C/3.8V
5	4233	846.6	5.33	0.00630	±2.5	PASS	-20°C/3.8V
5	4233	846.6	-0.23	-0.00027	±2.5	PASS	-30°C/3.8V
5	4182	836.4	-3.90	-0.00466	±2.5	PASS	20°C/4.35V
5	4182	836.4	1.12	0.00134	±2.5	PASS	20°C/3.4V
5	4182	836.4	-1.57	-0.00188	±2.5	PASS	50°C/3.8V
5	4182	836.4	-5.49	-0.00656	±2.5	PASS	40°C/3.8V
5	4182	836.4	2.48	0.00297	±2.5	PASS	30°C/3.8V
5	4182	836.4	4.18	0.00500	±2.5	PASS	20°C/3.8V
5	4182	836.4	-5.66	-0.00677	±2.5	PASS	10°C/3.8V
5	4182	836.4	3.58	0.00428	±2.5	PASS	0°C/3.8V
5	4182	836.4	-3.46	-0.00414	±2.5	PASS	-10°C/3.8V
5	4182	836.4	-7.25	-0.00867	±2.5	PASS	-20°C/3.8V
5	4182	836.4	-1.16	-0.00139	±2.5	PASS	-30°C/3.8V
5	4132	826.4	2.34	0.00283	±2.5	PASS	20°C/4.35V
5	4132	826.4	-2.70	-0.00327	±2.5	PASS	20°C/3.4V
5	4132	826.4	-0.45	-0.00054	±2.5	PASS	50°C/3.8V
5	4132	826.4	-3.42	-0.00414	±2.5	PASS	40°C/3.8V
5	4132	826.4	-6.09	-0.00737	±2.5	PASS	30°C/3.8V
5	4132	826.4	4.09	0.00495	±2.5	PASS	20°C/3.8V
5	4132	826.4	2.21	0.00267	±2.5	PASS	10°C/3.8V
5	4132	826.4	0.13	0.00016	±2.5	PASS	0°C/3.8V
5	4132	826.4	-0.23	-0.00028	±2.5	PASS	-10°C/3.8V
5	4132	826.4	3.14	0.00380	±2.5	PASS	-20°C/3.8V
5	4132	826.4	2.43	0.00294	±2.5	PASS	-30°C/3.8V

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	1851.075	1850.000	1908.647	1910.000	20°C/4.35V
2	9262/9538	1852.4/1907.6	1851.179	1850.000	1908.715	1910.000	20°C/3.4V
2	9262/9538	1852.4/1907.6	1851.069	1850.000	1908.660	1910.000	50°C/3.8V
2	9262/9538	1852.4/1907.6	1851.127	1850.000	1908.708	1910.000	40°C/3.8V
2	9262/9538	1852.4/1907.6	1851.028	1850.000	1908.768	1910.000	30°C/3.8V
2	9262/9538	1852.4/1907.6	1851.024	1850.000	1908.890	1910.000	20°C/3.8V
2	9262/9538	1852.4/1907.6	1851.049	1850.000	1908.621	1910.000	10°C/3.8V
2	9262/9538	1852.4/1907.6	1851.015	1850.000	1908.534	1910.000	0°C/3.8V
2	9262/9538	1852.4/1907.6	1851.158	1850.000	1908.513	1910.000	-10°C/3.8V
2	9262/9538	1852.4/1907.6	1851.179	1850.000	1908.999	1910.000	-20°C/3.8V
2	9262/9538	1852.4/1907.6	1851.098	1850.000	1908.816	1910.000	-30°C/3.8V