

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	22.97	23.04	0.2014	33.01	PASS
2	9400	1880.0	RMC	23.20	23.27	0.2123	33.01	PASS
2	9262	1852.4	RMC	23.04	23.11	0.2046	33.01	PASS
2	9538	1907.6	HSDPA Subtest-1	22.24	22.31	0.1702	33.01	PASS
2	9400	1880.0	HSDPA Subtest-1	22.16	22.23	0.1671	33.01	PASS
2	9262	1852.4	HSDPA Subtest-1	22.56	22.63	0.1832	33.01	PASS
2	9538	1907.6	HSDPA Subtest-2	22.17	22.24	0.1675	33.01	PASS
2	9400	1880.0	HSDPA Subtest-2	22.23	22.30	0.1698	33.01	PASS
2	9262	1852.4	HSDPA Subtest-2	22.69	22.76	0.1888	33.01	PASS
2	9538	1907.6	HSDPA Subtest-3	21.25	21.32	0.1355	33.01	PASS
2	9400	1880.0	HSDPA Subtest-3	21.33	21.40	0.1380	33.01	PASS
2	9262	1852.4	HSDPA Subtest-3	21.84	21.91	0.1552	33.01	PASS
2	9538	1907.6	HSDPA Subtest-4	21.35	21.42	0.1387	33.01	PASS
2	9400	1880.0	HSDPA Subtest-4	21.36	21.43	0.1390	33.01	PASS
2	9262	1852.4	HSDPA Subtest-4	21.88	21.95	0.1567	33.01	PASS
2	9538	1907.6	HSUPA Subtest-1	21.85	21.92	0.1556	33.01	PASS
2	9400	1880.0	HSUPA Subtest-1	21.81	21.88	0.1542	33.01	PASS
2	9262	1852.4	HSUPA Subtest-1	22.31	22.38	0.1730	33.01	PASS
2	9538	1907.6	HSUPA Subtest-2	21.66	21.73	0.1489	33.01	PASS
2	9400	1880.0	HSUPA Subtest-2	21.72	21.79	0.1510	33.01	PASS
2	9262	1852.4	HSUPA Subtest-2	22.24	22.31	0.1702	33.01	PASS
2	9538	1907.6	HSUPA Subtest-3	21.68	21.75	0.1496	33.01	PASS
2	9400	1880.0	HSUPA Subtest-3	21.73	21.80	0.1514	33.01	PASS
2	9262	1852.4	HSUPA Subtest-3	22.27	22.34	0.1714	33.01	PASS
2	9538	1907.6	HSUPA Subtest-4	21.60	21.67	0.1469	33.01	PASS
2	9400	1880.0	HSUPA Subtest-4	21.68	21.75	0.1496	33.01	PASS
2	9262	1852.4	HSUPA Subtest-4	22.22	22.29	0.1694	33.01	PASS
2	9538	1907.6	HSUPA Subtest-5	21.71	21.78	0.1507	33.01	PASS
2	9400	1880.0	HSUPA Subtest-5	21.74	21.81	0.1517	33.01	PASS
2	9262	1852.4	HSUPA Subtest-5	22.25	22.32	0.1706	33.01	PASS
5	4233	846.6	RMC	23.45	18.96	0.0787	38.45	PASS
5	4182	836.4	RMC	23.45	18.96	0.0787	38.45	PASS
5	4132	826.4	RMC	23.34	18.85	0.0767	38.45	PASS
5	4233	846.6	HSDPA Subtest-1	23.21	18.72	0.0745	38.45	PASS
5	4182	836.4	HSDPA Subtest-1	23.07	18.58	0.0721	38.45	PASS
5	4132	826.4	HSDPA Subtest-1	23.23	18.74	0.0748	38.45	PASS
5	4233	846.6	HSDPA Subtest-2	23.43	18.94	0.0783	38.45	PASS
5	4182	836.4	HSDPA Subtest-2	23.25	18.76	0.0752	38.45	PASS
5	4132	826.4	HSDPA Subtest-2	23.49	19.00	0.0794	38.45	PASS
5	4233	846.6	HSDPA Subtest-3	21.30	16.81	0.0480	38.45	PASS
5	4182	836.4	HSDPA Subtest-3	21.04	16.55	0.0452	38.45	PASS
5	4132	826.4	HSDPA Subtest-3	21.32	16.83	0.0482	38.45	PASS
5	4233	846.6	HSDPA Subtest-4	21.47	16.98	0.0499	38.45	PASS
5	4182	836.4	HSDPA Subtest-4	21.23	16.74	0.0472	38.45	PASS
5	4132	826.4	HSDPA Subtest-4	21.34	16.85	0.0484	38.45	PASS
5	4233	846.6	HSUPA Subtest-1	22.99	18.50	0.0708	38.45	PASS
5	4182	836.4	HSUPA Subtest-1	22.64	18.15	0.0653	38.45	PASS
5	4132	826.4	HSUPA Subtest-1	22.74	18.25	0.0668	38.45	PASS
5	4233	846.6	HSUPA Subtest-2	22.77	18.28	0.0673	38.45	PASS
5	4182	836.4	HSUPA Subtest-2	22.57	18.08	0.0643	38.45	PASS
5	4132	826.4	HSUPA Subtest-2	22.64	18.15	0.0653	38.45	PASS
5	4233	846.6	HSUPA Subtest-3	22.94	18.45	0.0700	38.45	PASS
5	4182	836.4	HSUPA Subtest-3	22.60	18.11	0.0647	38.45	PASS
5	4132	826.4	HSUPA Subtest-3	22.79	18.30	0.0676	38.45	PASS
5	4233	846.6	HSUPA Subtest-4	22.65	18.16	0.0655	38.45	PASS
5	4182	836.4	HSUPA Subtest-4	22.43	17.94	0.0622	38.45	PASS
5	4132	826.4	HSUPA Subtest-4	22.50	18.01	0.0632	38.45	PASS
5	4233	846.6	HSUPA Subtest-5	22.91	18.42	0.0695	38.45	PASS
5	4182	836.4	HSUPA Subtest-5	22.53	18.04	0.0637	38.45	PASS
5	4132	826.4	HSUPA Subtest-5	22.71	18.22	0.0664	38.45	PASS

Note:

The ERP is for below 1GHz, EIRP is for above 1GHz

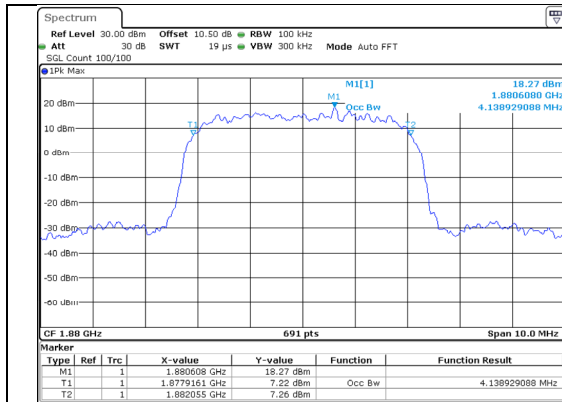
EIRP=Conducted Power(dBm) - L_c(dB) + G_T(dBi)ERP= Conducted Power(dBm) - L_c(dB) + G_T(dBd)G_T(dBd)=G_T(dBi)-2.15

Peak to Average Ratio

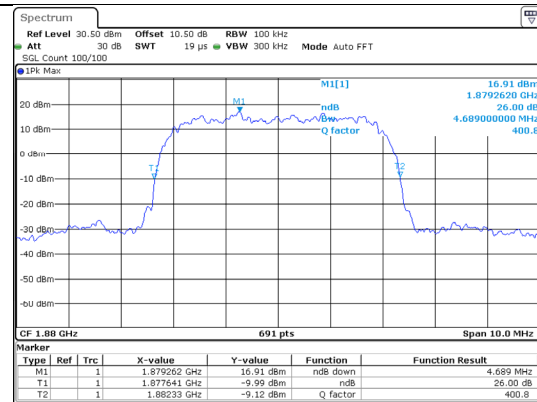
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	2.90	13	PASS
2	9400	1880.0	2.84	13	PASS
2	9262	1852.4	2.78	13	PASS
5	4233	846.6	3.28	13	PASS
5	4182	836.4	3.28	13	PASS
5	4132	826.4	3.39	13	PASS

Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9400	1880.0	4.1389	4.689	PASS
5	4182	836.4	4.1245	4.674	PASS



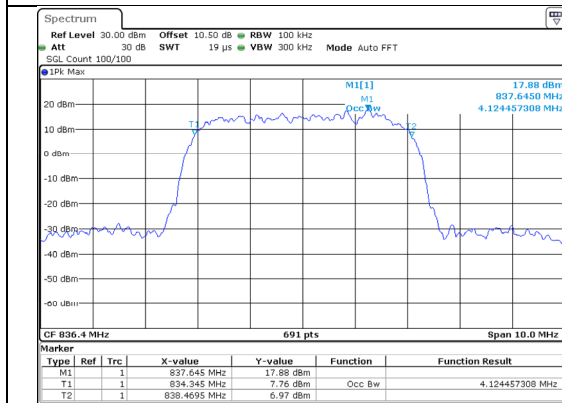
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Date: 21.AUG.2024 18:55:27



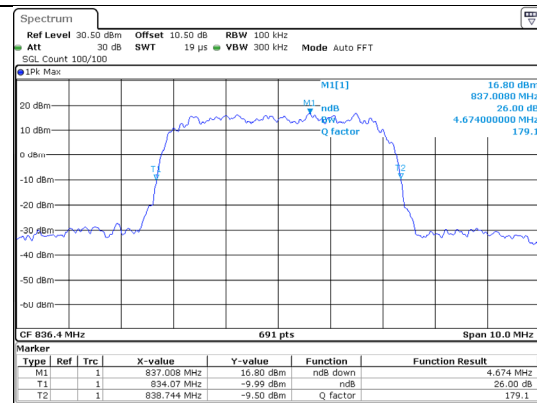
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Date: 21.AUG.2024 18:55:38

99%OBW
Band 2 5MHz/1880.0/Mid

26%OBW
Band 2 5MHz/1880.0/Mid



ProjectNo:2401V45749E-RF Tester:Cheeb Huang
Date: 21.AUG.2024 18:05:16



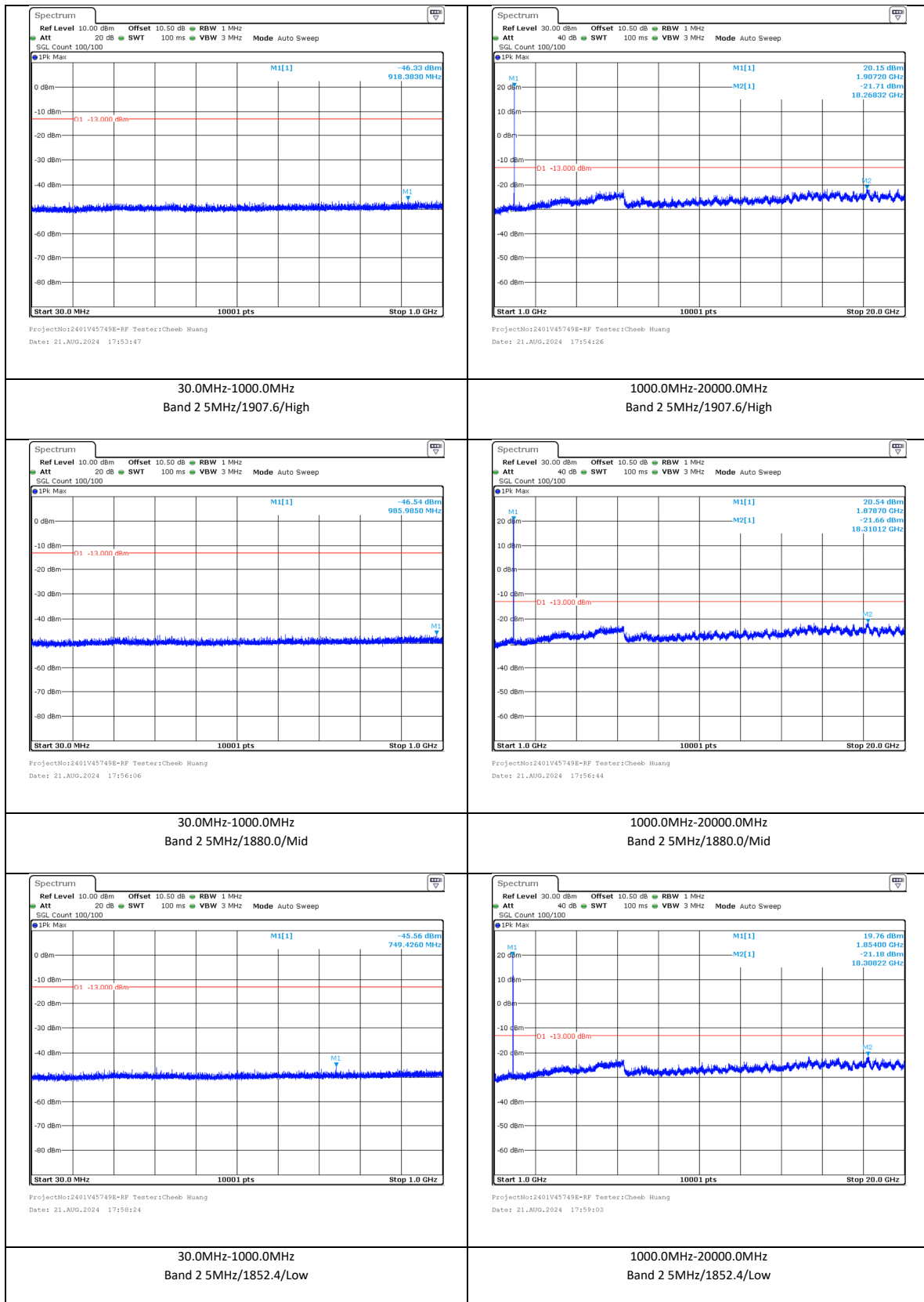
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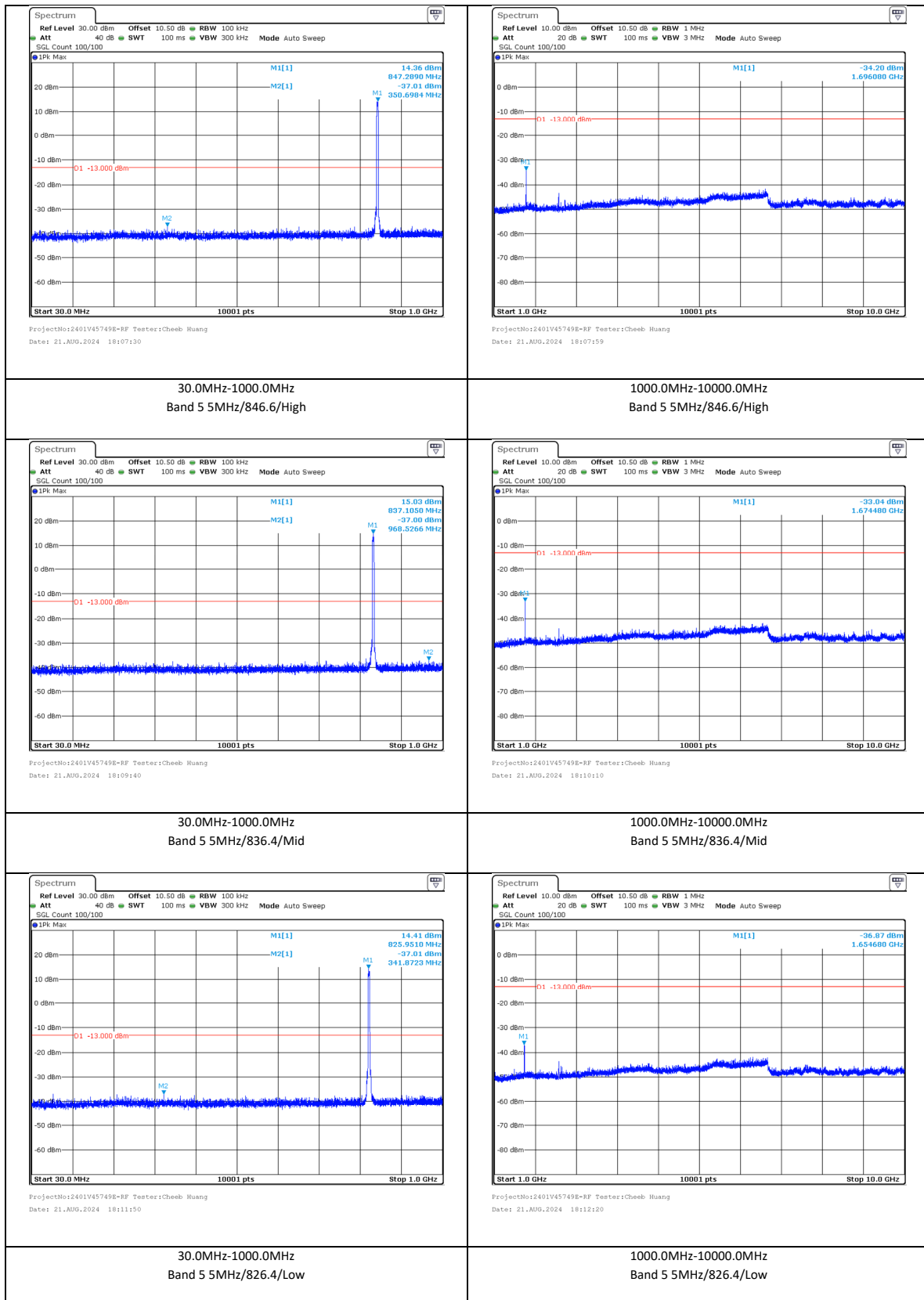
99%OBW
Band 5 5MHz/836.4/Mid

26%OBW
Band 5 5MHz/836.4/Mid

Conducted Spurious Emissions

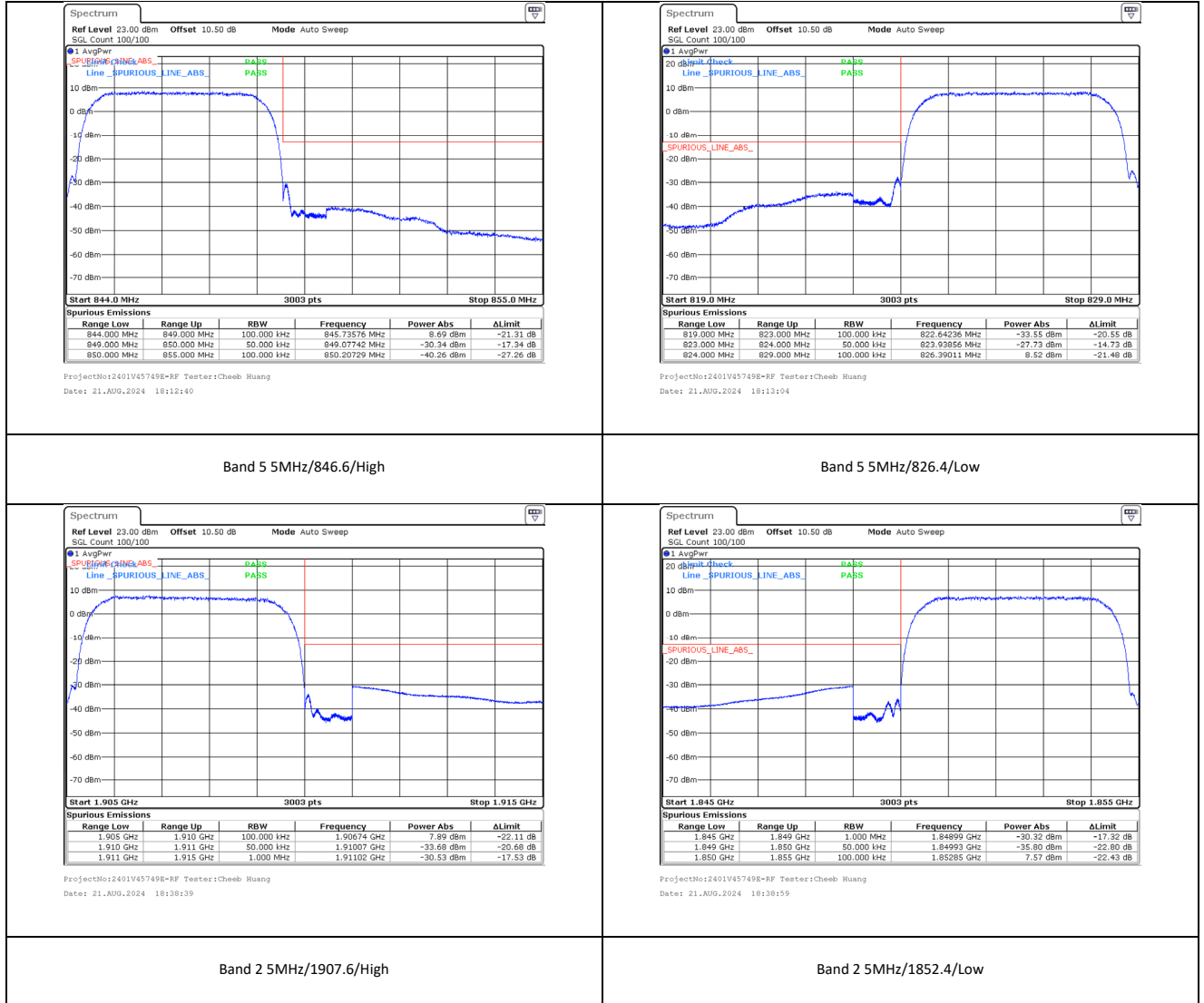
Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
2	9538	1907.6	30.0	1000.0	-46.33	-13	PASS
2	9538	1907.6	1000.0	20000.0	-21.71	-13	PASS
2	9400	1880.0	30.0	1000.0	-46.54	-13	PASS
2	9400	1880.0	1000.0	20000.0	-21.66	-13	PASS
2	9262	1852.4	30.0	1000.0	-45.56	-13	PASS
2	9262	1852.4	1000.0	20000.0	-21.18	-13	PASS
5	4233	846.6	30.0	1000.0	-37.01	-13	PASS
5	4233	846.6	1000.0	10000.0	-34.2	-13	PASS
5	4182	836.4	30.0	1000.0	-37.0	-13	PASS
5	4182	836.4	1000.0	10000.0	-33.04	-13	PASS
5	4132	826.4	30.0	1000.0	-37.01	-13	PASS
5	4132	826.4	1000.0	10000.0	-36.87	-13	PASS





Conducted Band Edge

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



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
5	4233	846.6	9.06	0.01070	±2.5	PASS	20°C/8.4V _{DC}
5	4233	846.6	7.93	0.00937	±2.5	PASS	20°C/6.8V _{DC}
5	4233	846.6	-3.10	-0.00366	±2.5	PASS	50°C/7.4V _{DC}
5	4233	846.6	-1.71	-0.00202	±2.5	PASS	40°C/7.4V _{DC}
5	4233	846.6	-7.55	-0.00892	±2.5	PASS	30°C/7.4V _{DC}
5	4233	846.6	11.15	0.01317	±2.5	PASS	20°C/7.4V _{DC}
5	4233	846.6	2.80	0.00331	±2.5	PASS	10°C/7.4V _{DC}
5	4233	846.6	5.22	0.00617	±2.5	PASS	0°C/7.4V _{DC}
5	4233	846.6	2.45	0.00289	±2.5	PASS	-10°C/7.4V _{DC}
5	4233	846.6	-3.72	-0.00439	±2.5	PASS	-20°C/7.4V _{DC}
5	4233	846.6	2.60	0.00307	±2.5	PASS	-30°C/7.4V _{DC}
5	4182	836.4	4.60	0.00550	±2.5	PASS	20°C/8.4V _{DC}
5	4182	836.4	9.03	0.01080	±2.5	PASS	20°C/6.8V _{DC}
5	4182	836.4	-10.41	-0.01245	±2.5	PASS	50°C/7.4V _{DC}
5	4182	836.4	-10.14	-0.01212	±2.5	PASS	40°C/7.4V _{DC}
5	4182	836.4	-7.80	-0.00933	±2.5	PASS	30°C/7.4V _{DC}
5	4182	836.4	10.46	0.01251	±2.5	PASS	20°C/7.4V _{DC}
5	4182	836.4	-3.98	-0.00476	±2.5	PASS	10°C/7.4V _{DC}
5	4182	836.4	-4.92	-0.00588	±2.5	PASS	0°C/7.4V _{DC}
5	4182	836.4	-1.75	-0.00209	±2.5	PASS	-10°C/7.4V _{DC}
5	4182	836.4	4.03	0.00482	±2.5	PASS	-20°C/7.4V _{DC}
5	4182	836.4	-11.10	-0.01327	±2.5	PASS	-30°C/7.4V _{DC}
5	4132	826.4	0.68	0.00082	±2.5	PASS	20°C/8.4V _{DC}
5	4132	826.4	-3.71	-0.00449	±2.5	PASS	20°C/6.8V _{DC}
5	4132	826.4	5.88	0.00712	±2.5	PASS	50°C/7.4V _{DC}
5	4132	826.4	-0.63	-0.00076	±2.5	PASS	40°C/7.4V _{DC}
5	4132	826.4	-3.29	-0.00398	±2.5	PASS	30°C/7.4V _{DC}
5	4132	826.4	-11.07	-0.01340	±2.5	PASS	20°C/7.4V _{DC}
5	4132	826.4	9.16	0.01108	±2.5	PASS	10°C/7.4V _{DC}
5	4132	826.4	5.65	0.00684	±2.5	PASS	0°C/7.4V _{DC}
5	4132	826.4	4.90	0.00593	±2.5	PASS	-10°C/7.4V _{DC}
5	4132	826.4	5.61	0.00679	±2.5	PASS	-20°C/7.4V _{DC}
5	4132	826.4	-10.11	-0.01223	±2.5	PASS	-30°C/7.4V _{DC}

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	1850.031	1850.000	1909.941	1910.000	20°C/8.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.125	1850.000	1909.894	1910.000	20°C/6.8V _{DC}
2	9262/9538	1852.4/1907.6	1850.107	1850.000	1909.955	1910.000	50°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.098	1850.000	1909.958	1910.000	40°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.082	1850.000	1909.899	1910.000	30°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.135	1850.000	1909.946	1910.000	20°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.074	1850.000	1909.949	1910.000	10°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.213	1850.000	1909.923	1910.000	0°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.096	1850.000	1909.782	1910.000	-10°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.052	1850.000	1909.854	1910.000	-20°C/7.4V _{DC}
2	9262/9538	1852.4/1907.6	1850.043	1850.000	1909.861	1910.000	-30°C/7.4V _{DC}