

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	22.03	23.43	33.01	PASS
2	9538	1907.6	HSDPA Subtest-1	21.11	22.51	33.01	PASS
2	9538	1907.6	HSDPA Subtest-2	20.94	22.34	33.01	PASS
2	9538	1907.6	HSDPA Subtest-3	20.44	21.84	33.01	PASS
2	9538	1907.6	HSDPA Subtest-4	20.42	21.82	33.01	PASS
2	9538	1907.6	HSUPA Subtest-1	20.27	21.67	33.01	PASS
2	9538	1907.6	HSUPA Subtest-2	20.99	22.39	33.01	PASS
2	9538	1907.6	HSUPA Subtest-3	19.95	21.35	33.01	PASS
2	9538	1907.6	HSUPA Subtest-4	21.06	22.46	33.01	PASS
2	9538	1907.6	HSUPA Subtest-5	19.94	21.34	33.01	PASS
2	9538	1907.6	HSPA +	20.13	21.53	33.01	PASS
2	9400	1880.0	RMC	22.11	23.51	33.01	PASS
2	9400	1880.0	HSDPA Subtest-1	21.15	22.55	33.01	PASS
2	9400	1880.0	HSDPA Subtest-2	20.99	22.39	33.01	PASS
2	9400	1880.0	HSDPA Subtest-3	20.55	21.95	33.01	PASS
2	9400	1880.0	HSDPA Subtest-4	20.51	21.91	33.01	PASS
2	9400	1880.0	HSUPA Subtest-1	20.55	21.95	33.01	PASS
2	9400	1880.0	HSUPA Subtest-2	21.08	22.48	33.01	PASS
2	9400	1880.0	HSUPA Subtest-3	20.08	21.48	33.01	PASS
2	9400	1880.0	HSUPA Subtest-4	21.17	22.57	33.01	PASS
2	9400	1880.0	HSUPA Subtest-5	20.03	21.43	33.01	PASS
2	9400	1880.0	HSPA +	20.89	22.29	33.01	PASS
2	9262	1852.4	RMC	22.11	23.51	33.01	PASS
2	9262	1852.4	HSDPA Subtest-1	21.14	22.54	33.01	PASS
2	9262	1852.4	HSDPA Subtest-2	20.95	22.35	33.01	PASS
2	9262	1852.4	HSDPA Subtest-3	20.48	21.88	33.01	PASS
2	9262	1852.4	HSDPA Subtest-4	20.46	21.86	33.01	PASS
2	9262	1852.4	HSUPA Subtest-1	20.32	21.72	33.01	PASS
2	9262	1852.4	HSUPA Subtest-2	21.04	22.44	33.01	PASS
2	9262	1852.4	HSUPA Subtest-3	19.98	21.38	33.01	PASS
2	9262	1852.4	HSUPA Subtest-4	21.10	22.50	33.01	PASS
2	9262	1852.4	HSUPA Subtest-5	22.13	23.53	33.01	PASS
2	9262	1852.4	HSPA +	21.38	22.78	33.01	PASS
5	4233	846.6	RMC	22.05	20.06	38.45	PASS
5	4233	846.6	HSDPA Subtest-1	21.47	19.48	38.45	PASS
5	4233	846.6	HSDPA Subtest-2	21.31	19.32	38.45	PASS
5	4233	846.6	HSDPA Subtest-3	20.86	18.87	38.45	PASS
5	4233	846.6	HSDPA Subtest-4	20.85	18.86	38.45	PASS
5	4233	846.6	HSUPA Subtest-1	20.76	18.77	38.45	PASS
5	4233	846.6	HSUPA Subtest-2	21.40	19.41	38.45	PASS
5	4233	846.6	HSUPA Subtest-3	20.39	18.40	38.45	PASS
5	4233	846.6	HSUPA Subtest-4	21.45	19.46	38.45	PASS
5	4233	846.6	HSUPA Subtest-5	20.33	18.34	38.45	PASS
5	4233	846.6	HSPA+	20.79	18.80	38.45	PASS
5	4182	836.4	RMC	22.03	20.04	38.45	PASS
5	4182	836.4	HSDPA Subtest-1	21.39	19.40	38.45	PASS
5	4182	836.4	HSDPA Subtest-2	21.27	19.28	38.45	PASS
5	4182	836.4	HSDPA Subtest-3	20.83	18.84	38.45	PASS
5	4182	836.4	HSDPA Subtest-4	20.78	18.79	38.45	PASS
5	4182	836.4	HSUPA Subtest-1	20.81	18.82	38.45	PASS
5	4182	836.4	HSUPA Subtest-2	21.33	19.34	38.45	PASS
5	4182	836.4	HSUPA Subtest-3	20.43	18.44	38.45	PASS
5	4182	836.4	HSUPA Subtest-4	21.40	19.41	38.45	PASS
5	4182	836.4	HSUPA Subtest-5	20.36	18.37	38.45	PASS
5	4182	836.4	HSPA+	20.88	18.89	38.45	PASS
5	4132	826.4	RMC	22.03	20.04	38.45	PASS
5	4132	826.4	HSDPA Subtest-1	21.42	19.43	38.45	PASS
5	4132	826.4	HSDPA Subtest-2	21.28	19.29	38.45	PASS
5	4132	826.4	HSDPA Subtest-3	20.80	18.81	38.45	PASS
5	4132	826.4	HSDPA Subtest-4	20.84	18.85	38.45	PASS
5	4132	826.4	HSUPA Subtest-1	20.78	18.79	38.45	PASS
5	4132	826.4	HSUPA Subtest-2	21.39	19.40	38.45	PASS
5	4132	826.4	HSUPA Subtest-3	20.36	18.37	38.45	PASS
5	4132	826.4	HSUPA Subtest-4	21.40	19.41	38.45	PASS
5	4132	826.4	HSUPA Subtest-5	20.40	18.41	38.45	PASS
5	4132	826.4	HSPA+	21.23	19.24	38.45	PASS

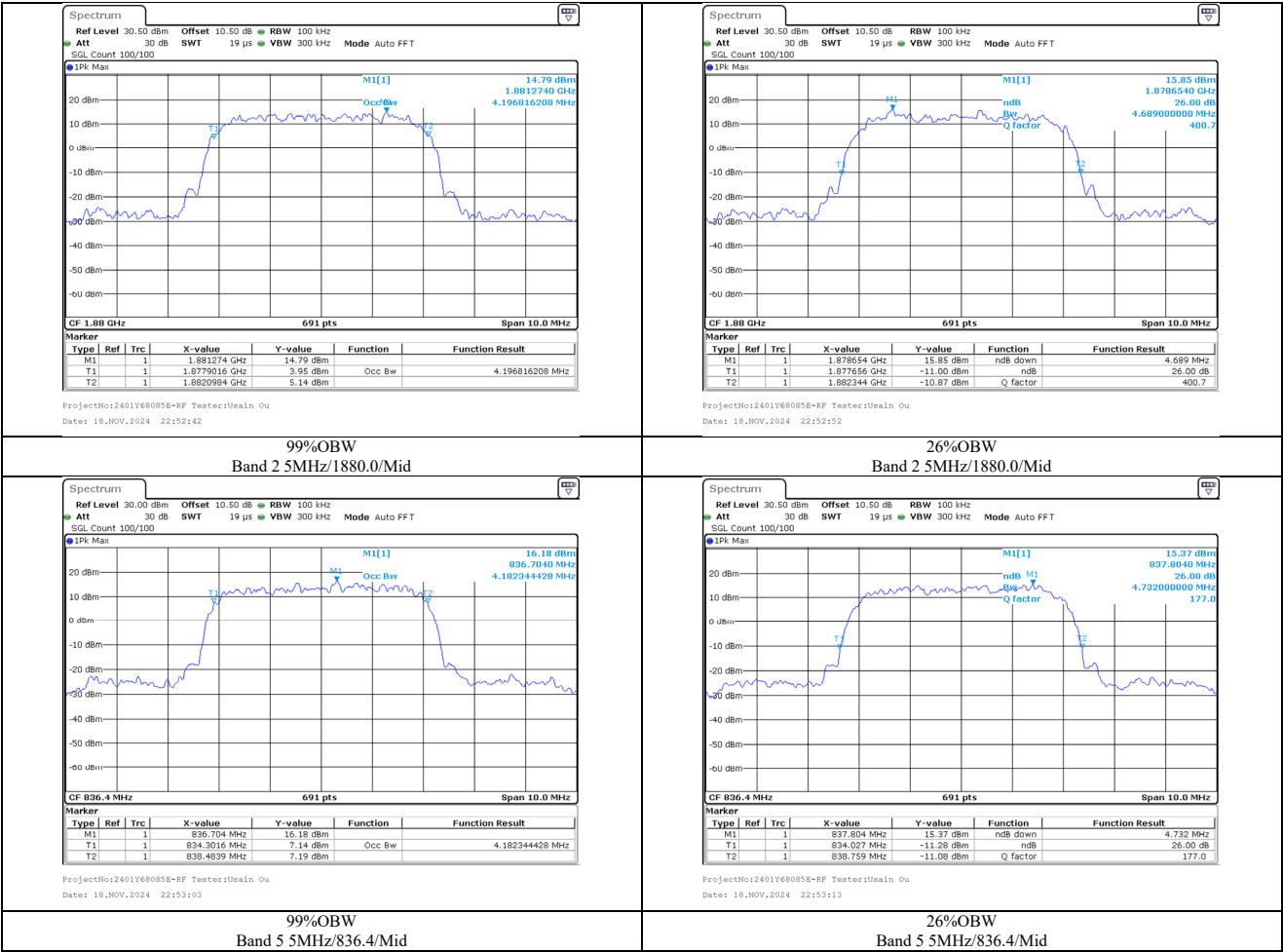
Note:
The ERP is for below 1GHz, EIRP is for above 1GHz
 $EIRP = \text{Conducted Power (dBm)} - L_c(\text{dB}) + G_T(\text{dBi})$
 $ERP = \text{Conducted Power (dBm)} - L_c(\text{dB}) + G_T(\text{dBd})$
 $G_T(\text{dBd}) = G_T(\text{dBi}) - 2.15$

Peak to Average Ratio

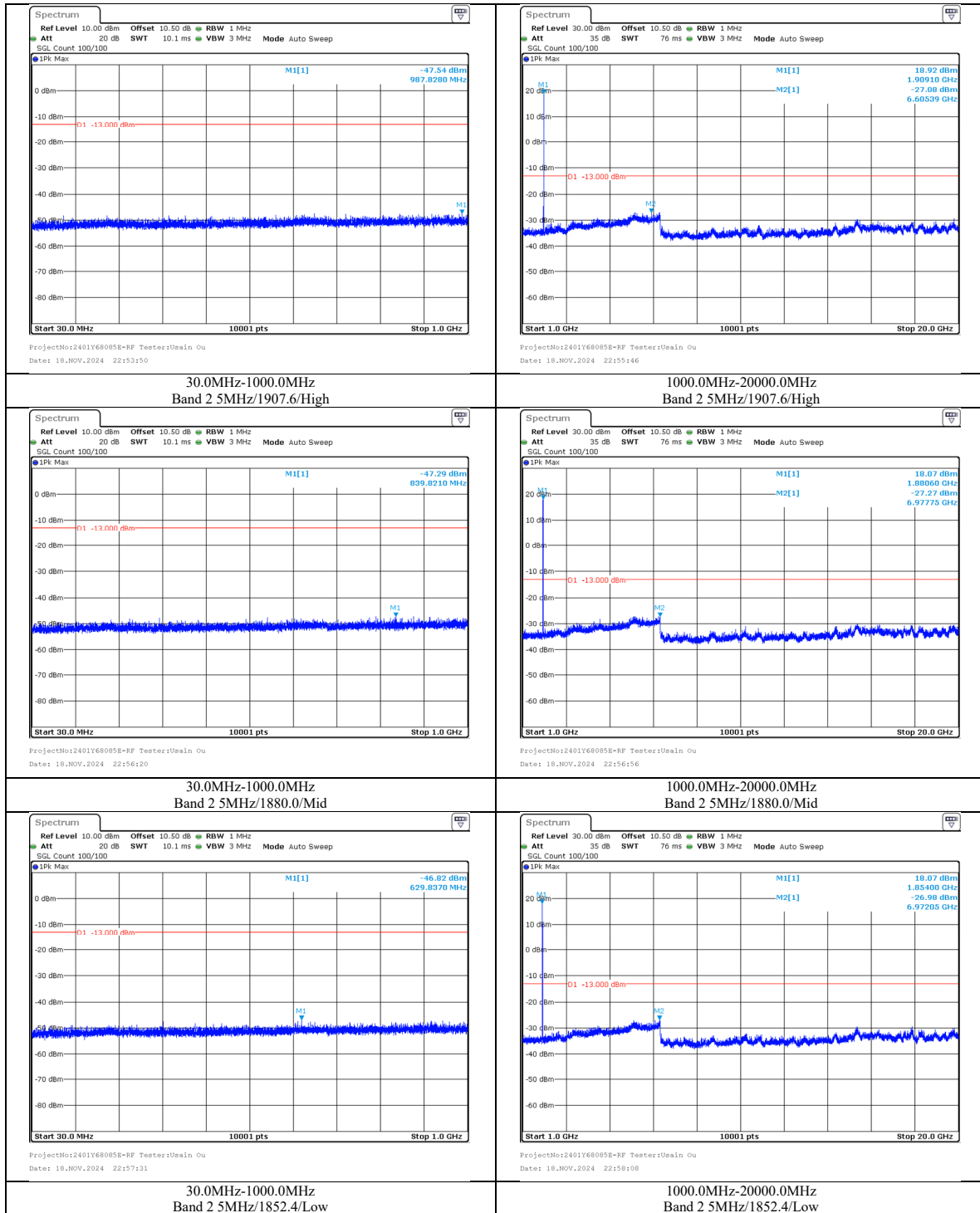
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	3.25	13	PASS
2	9400	1880.0	3.30	13	PASS
2	9262	1852.4	3.22	13	PASS
5	4233	846.6	3.39	13	PASS
5	4182	836.4	3.36	13	PASS
5	4132	826.4	3.30	13	PASS

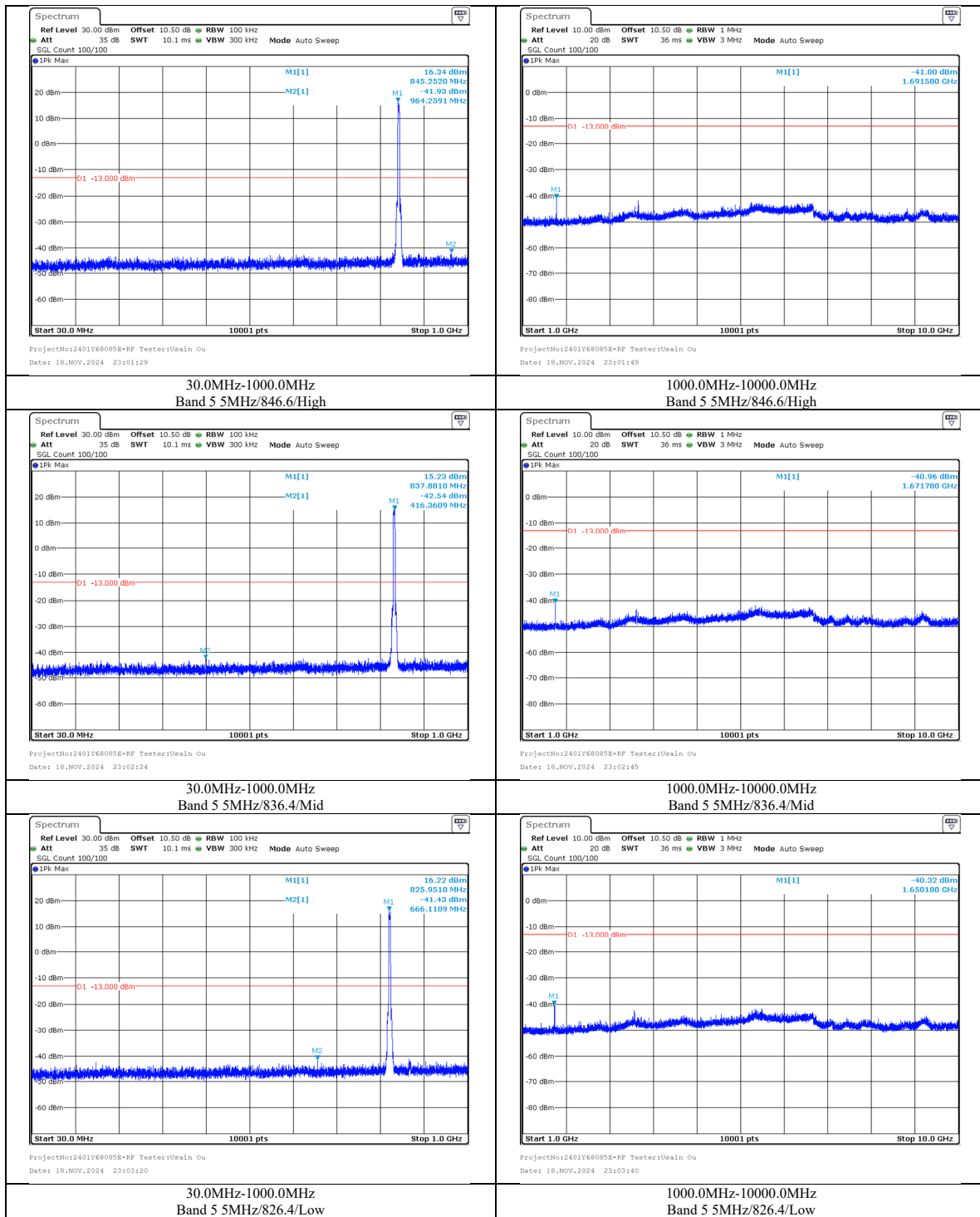
Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9400	1880.0	4.1968	4.689	PASS
5	4182	836.4	4.1823	4.732	PASS

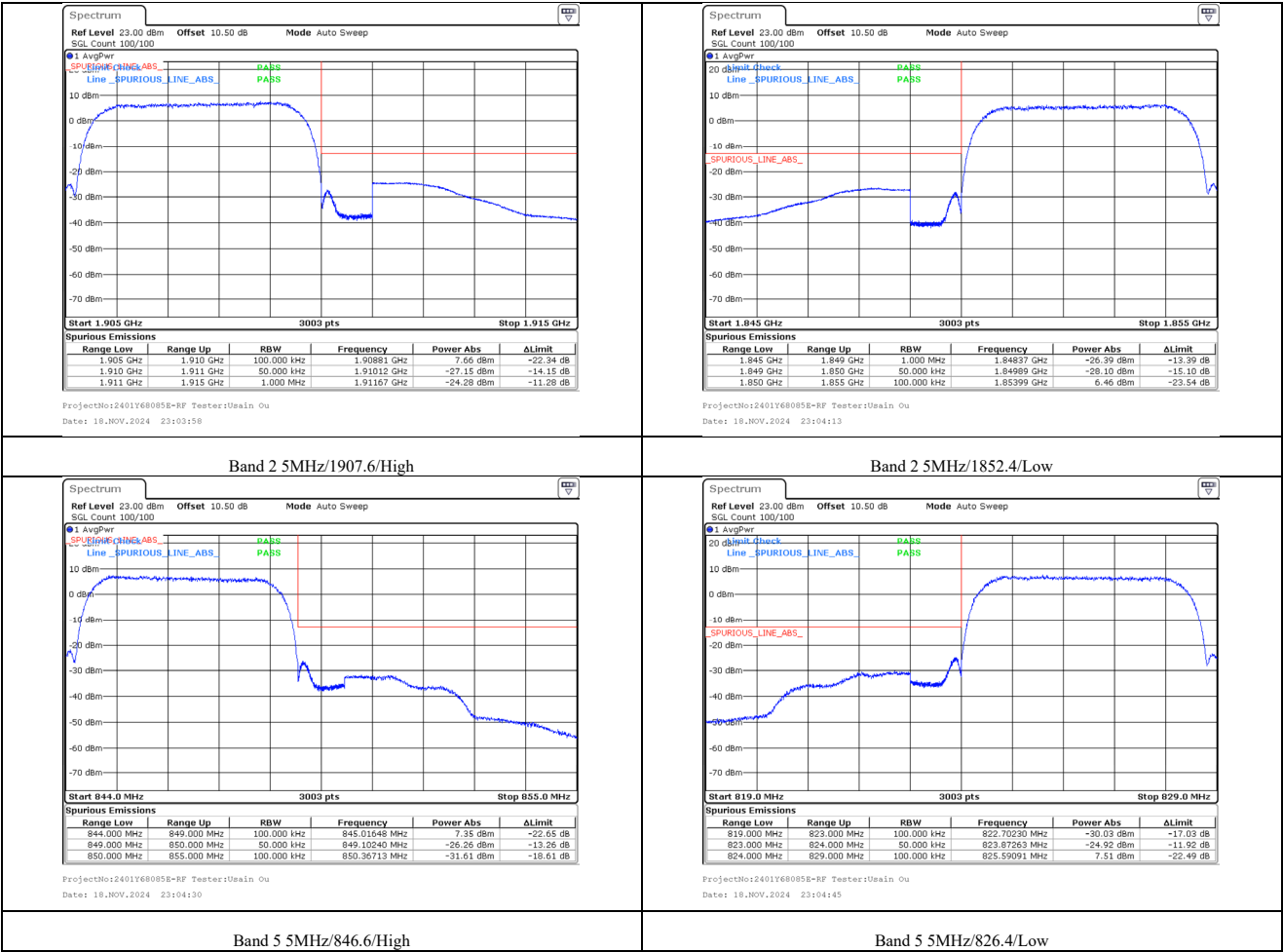


Conducted Spurious Emissions





Conducted Band Edge



Frequency Stability

Band 2

Test Mode:	WCDMA R99	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	NV	1850.031	1850.000	1909.941	1910.000
	-20	NV	1850.125	1850.000	1909.894	1910.000
	-10	NV	1850.107	1850.000	1909.955	1910.000
	0	NV	1850.098	1850.000	1909.958	1910.000
	10	NV	1850.082	1850.000	1909.899	1910.000
	20	NV	1850.135	1850.000	1909.946	1910.000
	30	NV	1850.074	1850.000	1909.949	1910.000
	40	NV	1850.213	1850.000	1909.923	1910.000
	50	NV	1850.096	1850.000	1909.782	1910.000
Frequency Stability vs. Voltage	20	LV	1850.052	1850.000	1909.854	1910.000
	20	HV	1850.043	1850.000	1909.861	1910.000
					Result:	Pass

Band 5

Test Modulation:	WCDMA R99		Test Channel:	836.4	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	NV	4.60	0.00550	2.5
	-20	NV	9.03	0.01080	2.5
	-10	NV	-10.41	-0.01245	2.5
	0	NV	-10.14	-0.01212	2.5
	10	NV	-7.80	-0.00933	2.5
	20	NV	10.46	0.01251	2.5
	30	NV	-3.98	-0.00476	2.5
	40	NV	-4.92	-0.00588	2.5
	50	NV	-1.75	-0.00209	2.5
Frequency Stability vs. Voltage	20	LV	4.03	0.00482	2.5
	20	HV	-11.10	-0.01327	2.5