

Appendix for WCDMA B2

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1 Appendix A: Effective Radiated Result Output Data**1.1 Test Result**

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Band	Channel	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
WCDMA BAND 2	9262	23.43	22.03	33	PASS
WCDMA BAND 2	9400	23.60	22.20	33	PASS
WCDMA BAND 2	9538	23.63	22.23	33	PASS

Ant13

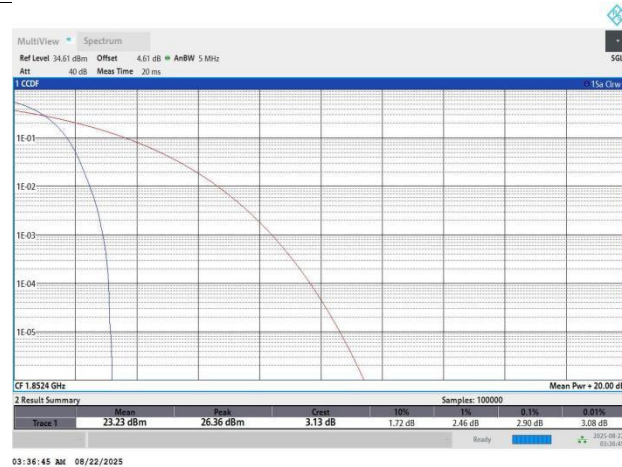
Band	Channel	Subset	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSDPA BAND 2	9262	SubTest1	22.65	21.25	33	PASS
HSDPA BAND 2	9262	SubTest2	22.65	21.25	33	PASS
HSDPA BAND 2	9262	SubTest3	22.12	20.72	33	PASS
HSDPA BAND 2	9262	SubTest4	22.12	20.72	33	PASS
HSDPA BAND 2	9400	SubTest1	22.69	21.29	33	PASS
HSDPA BAND 2	9400	SubTest2	22.67	21.27	33	PASS
HSDPA BAND 2	9400	SubTest3	22.17	20.77	33	PASS
HSDPA BAND 2	9400	SubTest4	22.15	20.75	33	PASS
HSDPA BAND 2	9538	SubTest1	22.6	21.2	33	PASS
HSDPA BAND 2	9538	SubTest2	22.56	21.16	33	PASS
HSDPA BAND 2	9538	SubTest3	22.04	20.64	33	PASS
HSDPA BAND 2	9538	SubTest4	22.02	20.62	33	PASS
HSUPA BAND 2	9262	SubTest1	22.52	21.12	33	PASS
HSUPA BAND 2	9262	SubTest2	20.52	19.12	33	PASS
HSUPA BAND 2	9262	SubTest3	21.52	20.12	33	PASS
HSUPA BAND 2	9262	SubTest4	20.56	19.16	33	PASS
HSUPA BAND 2	9262	SubTest5	22.52	21.12	33	PASS
HSUPA BAND 2	9400	SubTest1	22.64	21.24	33	PASS
HSUPA BAND 2	9400	SubTest2	20.68	19.28	33	PASS
HSUPA BAND 2	9400	SubTest3	21.67	20.27	33	PASS
HSUPA BAND 2	9400	SubTest4	20.67	19.27	33	PASS
HSUPA BAND 2	9400	SubTest5	22.65	21.25	33	PASS
HSUPA BAND 2	9538	SubTest1	22.57	21.17	33	PASS
HSUPA BAND 2	9538	SubTest2	20.54	19.14	33	PASS
HSUPA BAND 2	9538	SubTest3	21.54	20.14	33	PASS
HSUPA BAND 2	9538	SubTest4	20.57	19.17	33	PASS
HSUPA BAND 2	9538	SubTest5	22.55	21.15	33	PASS

2 Appendix B: Peak-to-Average Ratio

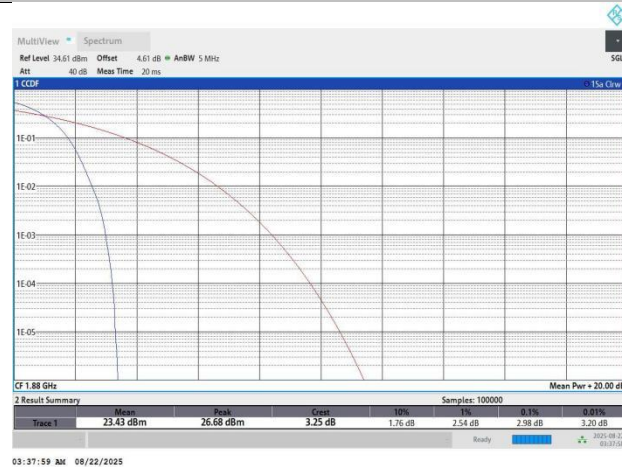
2.1 Test Result

Band	Channel	Result (dB)	Limit (dB)	Verdict
WCDMA BAND 2	9262	2.9	13	PASS
WCDMA BAND 2	9400	2.98	13	PASS
WCDMA BAND 2	9538	2.86	13	PASS

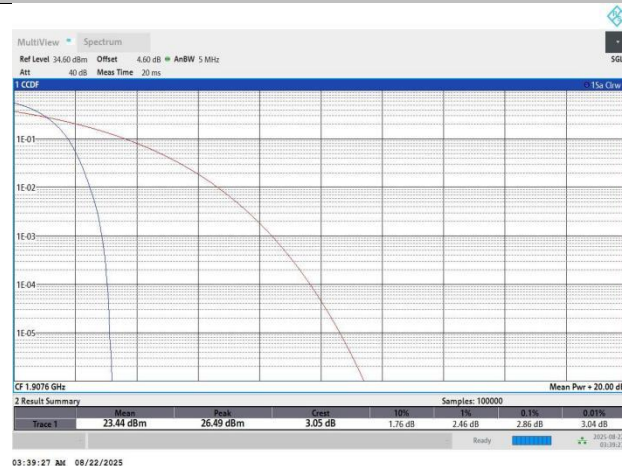
2.2 Test Plots



WCDMA BAND 2-9262-2.9-13-PASS



WCDMA BAND 2-9400-2.98-13-PASS



WCDMA BAND 2-9538-2.86-13-PASS

3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

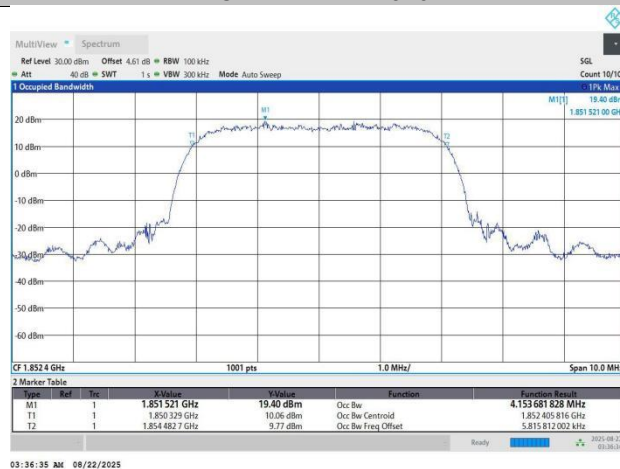
3.1 Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
WCDMA BAND 2	9262	4.15	4.72	---	See graph
WCDMA BAND 2	9400	4.15	4.72	---	See graph
WCDMA BAND 2	9538	4.15	4.72	---	See graph

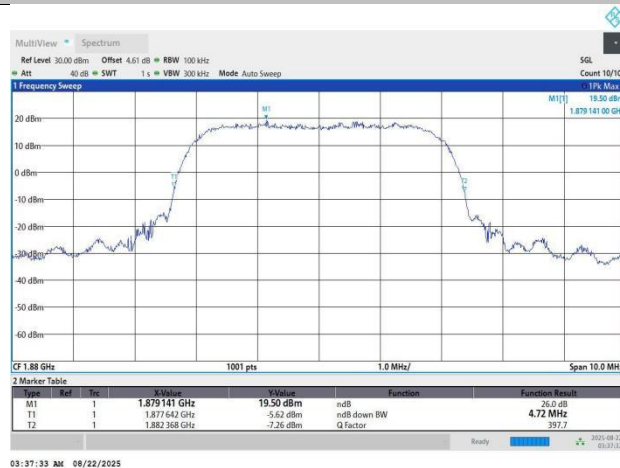
3.2 Test Plots



WCDMA BAND 2-9262



WCDMA BAND 2-9262



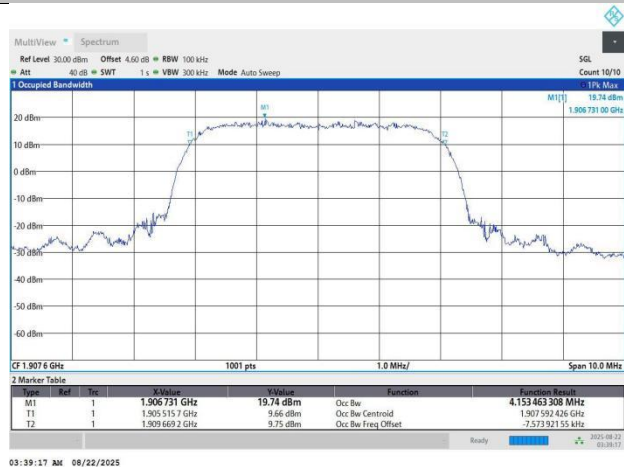
WCDMA BAND 2-9400



WCDMA BAND 2-9400



WCDMA BAND 2-9538-4.15-4.72----



WCDMA BAND 2-9538-4.15-4.72----

4 Appendix D: Band Edge

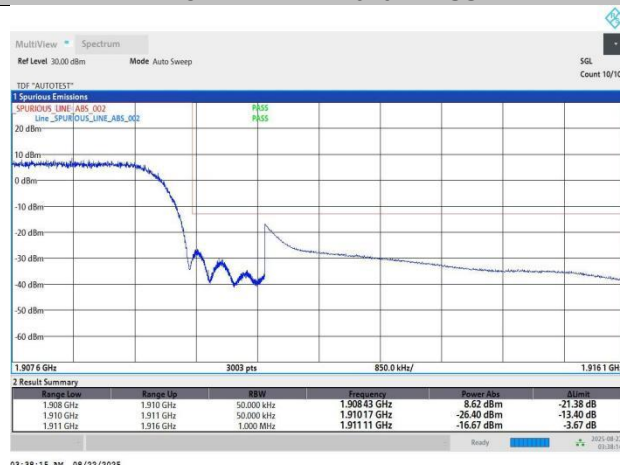
4.1 Test Result

Band	Channel	Result	Verdict
WCDMA BAND 2	9262	See graph	PASS
WCDMA BAND 2	9538	See graph	PASS

4.2 Test Plots



WCDMA BAND 2-9262-PASS



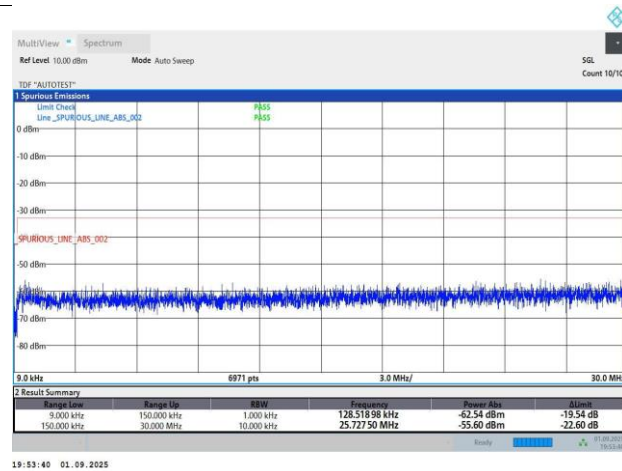
WCDMA BAND 2-9538-PASS

5 Appendix E: Conducted Spurious Emission

5.1 Test Result

Band	Channel	Result	Verdict
WCDMA BAND 2	9262	See graph	PASS
WCDMA BAND 2	9400	See graph	PASS
WCDMA BAND 2	9538	See graph	PASS

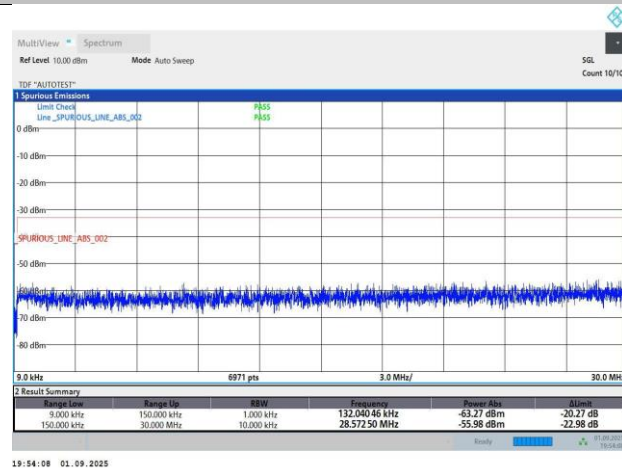
5.2 Test Plots



WCDMA BAND 2-9262-PASS



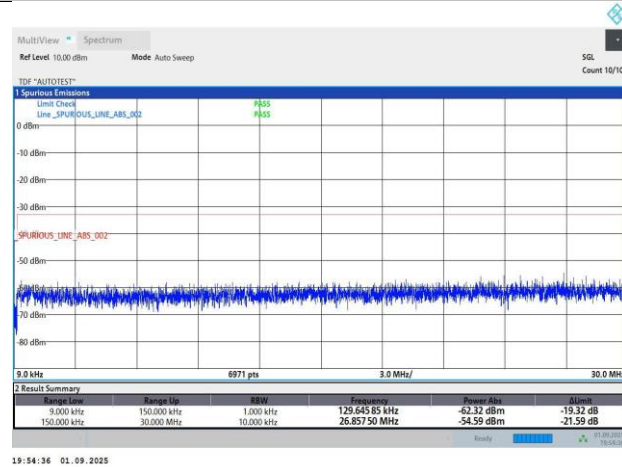
WCDMA BAND 2-9262-PASS



WCDMA BAND 2-9400-PASS



WCDMA BAND 2-9400-PASS



WCDMA BAND 2-9538-PASS



WCDMA BAND 2-9538-PASS

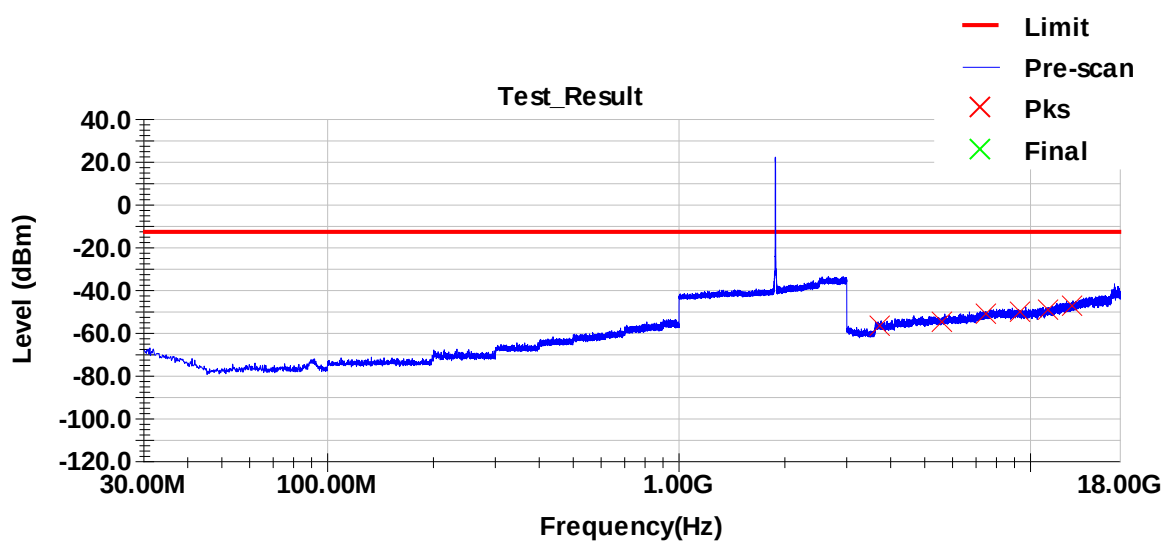
6 Appendix F: Radiated spurious emissions

Remark:

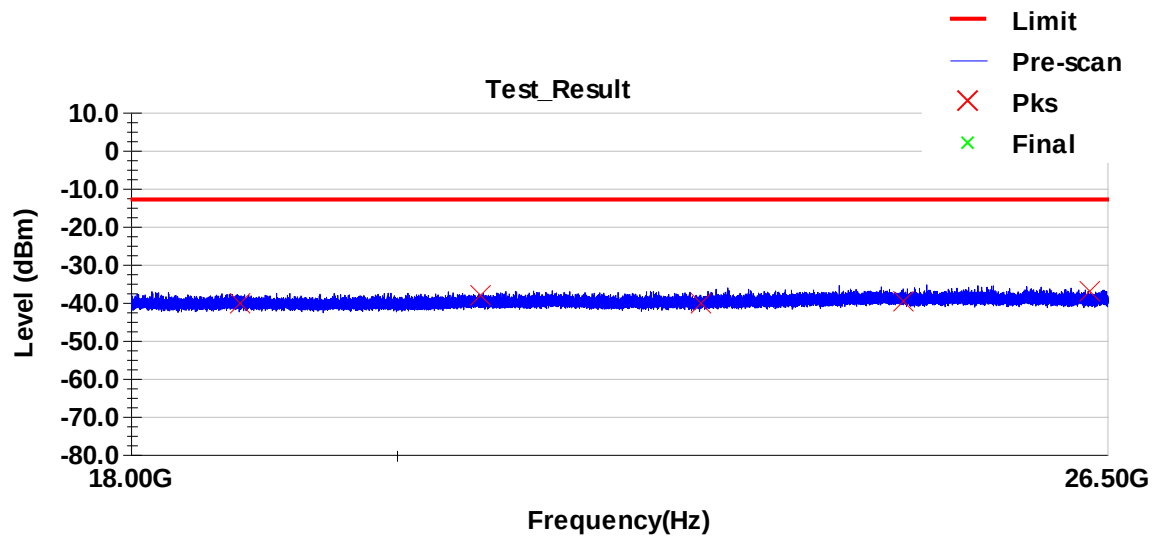
- The pre-tests cover all operation mode of EUT and the test reports show only the worst.
- If the margin is greater than 10dB, it is considered to meet the standard and no further test is conducted.
- The part of the graph that exceeds the limit is RF fundamental frequency and it should be excluded against the limits.

6.1 Test Result

The worst mode: WCDMA BAND 2_LINK/ANT 13-Mid



Frequency (MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
3760.000	47.61	-9.53	-95.200	-57.12	-13.00	44.12	V
5640.000	46.07	-5.72	-95.200	-54.85	-13.00	41.85	V
7520.000	46.78	-2.97	-95.200	-51.39	-13.00	38.39	V
9400.000	46.37	-1.17	-95.200	-50.00	-13.00	37.00	V
11280.000	44.38	1.00	-95.200	-49.85	-13.00	36.85	V
13160.000	44.94	2.90	-95.200	-47.53	-13.00	34.53	V



Frequency (MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit (dBm)	Margin (dB)	Pol
18800.000	36.96	18.07	-95.200	-40.17	-13.00	27.17	V
20680.000	38.60	18.34	-95.200	-38.26	-13.00	25.26	V
22560.000	36.65	18.01	-95.200	-40.54	-13.00	27.54	V
24440.000	36.82	18.70	-95.200	-39.68	-13.00	26.68	V
26320.000	40.02	17.84	-95.200	-37.34	-13.00	24.34	V

7 Appendix G: Frequency Stability

7.1 Test Result

Band	Channel	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Limit(ppm)	Verdict
WCDMA BAND 2	9262	NV	NT	-3.3	-0.001781	±2.5	PASS
WCDMA BAND 2	9262	LV	NT	-6.9	-0.003725	±2.5	PASS
WCDMA BAND 2	9262	HV	NT	-10.3	-0.005560	±2.5	PASS
WCDMA BAND 2	9400	NV	NT	-3.3	-0.001755	±2.5	PASS
WCDMA BAND 2	9400	LV	NT	-7.8	-0.004149	±2.5	PASS
WCDMA BAND 2	9400	HV	NT	-7.4	-0.003936	±2.5	PASS
WCDMA BAND 2	9538	NV	NT	8.8	0.004613	±2.5	PASS
WCDMA BAND 2	9538	LV	NT	-3.0	-0.001573	±2.5	PASS
WCDMA BAND 2	9538	HV	NT	-18.6	-0.009750	±2.5	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Limit(ppm)	Verdict
WCDMA BAND 2	9262	NV	-30	-3.5	-0.001889	±2.5	PASS
WCDMA BAND 2	9262	NV	-20	-6.4	-0.003455	±2.5	PASS
WCDMA BAND 2	9262	NV	-10	-10.7	-0.005776	±2.5	PASS
WCDMA BAND 2	9262	NV	0	8.8	0.004751	±2.5	PASS
WCDMA BAND 2	9262	NV	10	-2.7	-0.001458	±2.5	PASS
WCDMA BAND 2	9262	NV	20	-18.5	-0.009987	±2.5	PASS
WCDMA BAND 2	9262	NV	30	0.5	0.000270	±2.5	PASS
WCDMA BAND 2	9262	NV	40	-1.6	-0.000864	±2.5	PASS
WCDMA BAND 2	9262	NV	50	-2.9	-0.001566	±2.5	PASS
WCDMA BAND 2	9400	NV	-30	7.1	0.003777	±2.5	PASS
WCDMA BAND 2	9400	NV	-20	2.7	0.001436	±2.5	PASS
WCDMA BAND 2	9400	NV	-10	-0.4	-0.000213	±2.5	PASS
WCDMA BAND 2	9400	NV	0	-4.4	-0.002340	±2.5	PASS
WCDMA BAND 2	9400	NV	10	-6.0	-0.003191	±2.5	PASS
WCDMA BAND 2	9400	NV	20	-7.6	-0.004043	±2.5	PASS
WCDMA BAND 2	9400	NV	30	-7.9	-0.004202	±2.5	PASS
WCDMA BAND 2	9400	NV	40	-6.2	-0.003298	±2.5	PASS
WCDMA BAND 2	9400	NV	50	-2.2	-0.001170	±2.5	PASS
WCDMA BAND 2	9538	NV	-30	-2.2	-0.001153	±2.5	PASS
WCDMA BAND 2	9538	NV	-20	-5.2	-0.002726	±2.5	PASS

WCDMA BAND 2	9538	NV	-10	-9.7	-0.005085	±2.5	PASS
WCDMA BAND 2	9538	NV	0	9.5	0.004980	±2.5	PASS
WCDMA BAND 2	9538	NV	10	-2.4	-0.001258	±2.5	PASS
WCDMA BAND 2	9538	NV	20	-19.0	-0.009960	±2.5	PASS
WCDMA BAND 2	9538	NV	30	0.6	0.000315	±2.5	PASS
WCDMA BAND 2	9538	NV	40	-1.3	-0.000681	±2.5	PASS
WCDMA BAND 2	9538	NV	50	-3.1	-0.001625	±2.5	PASS

END