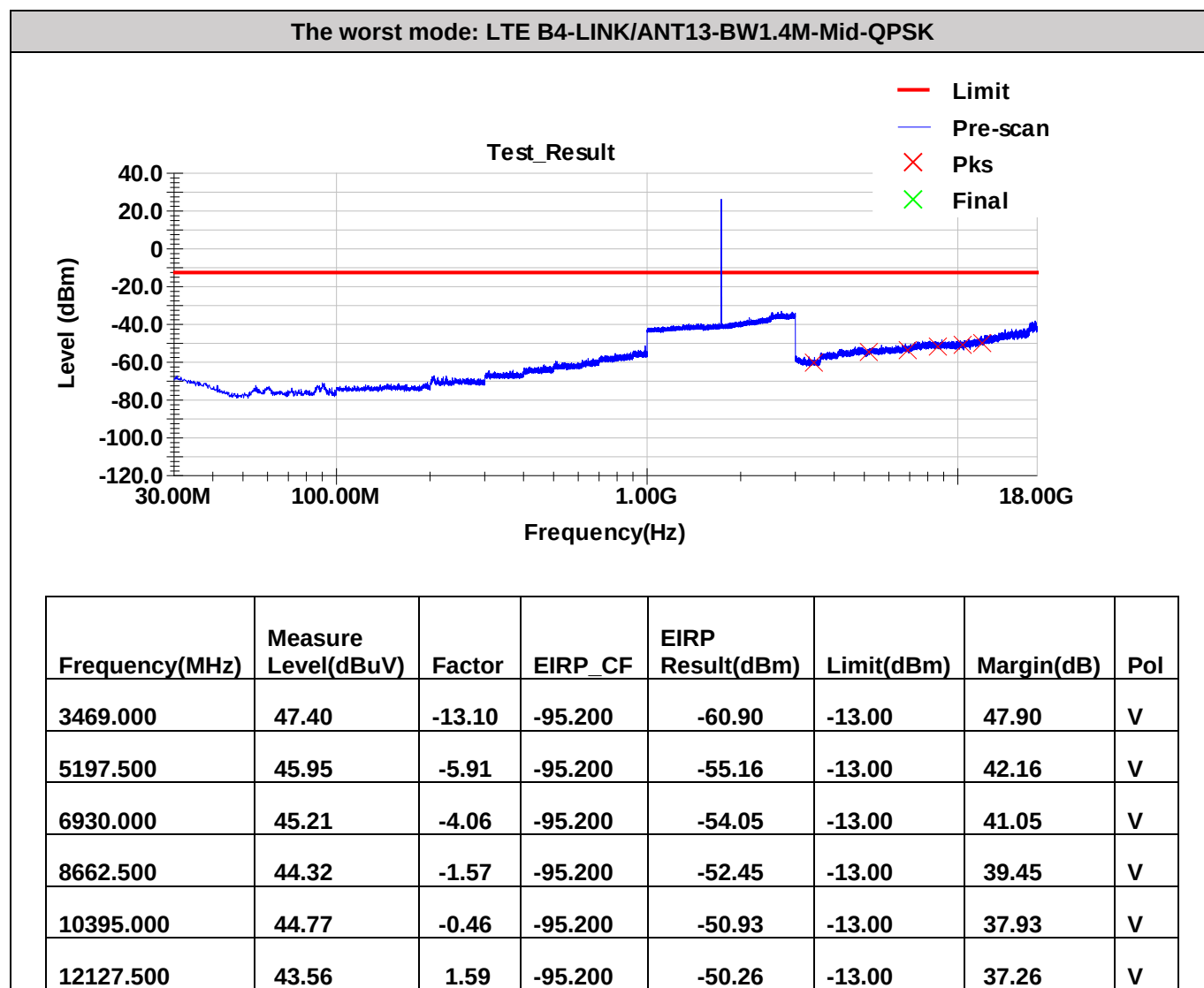


6 Appendix F: Radiated spurious emissions

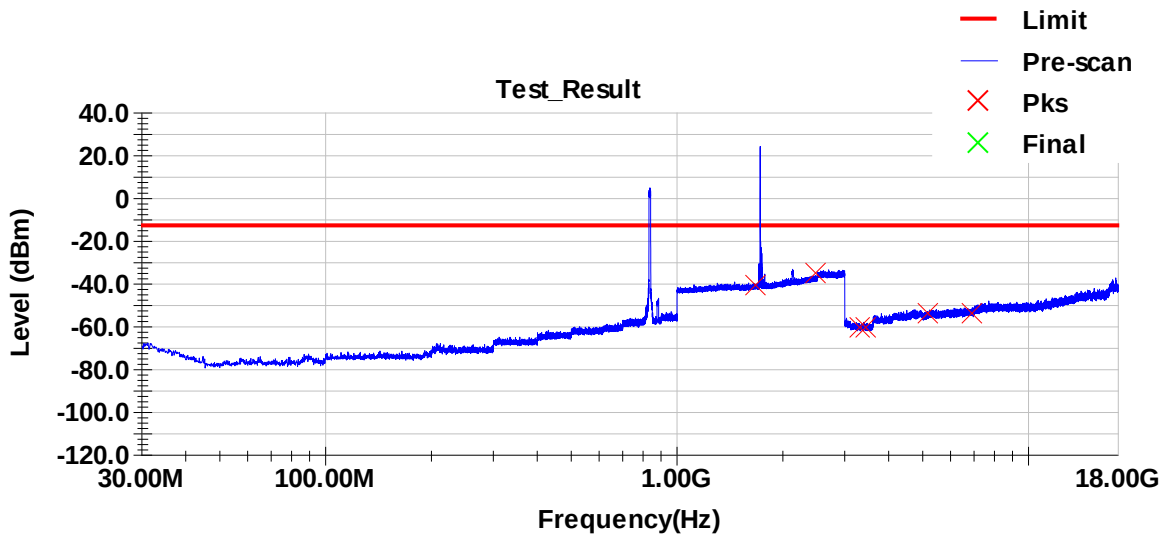
Remark:

- 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

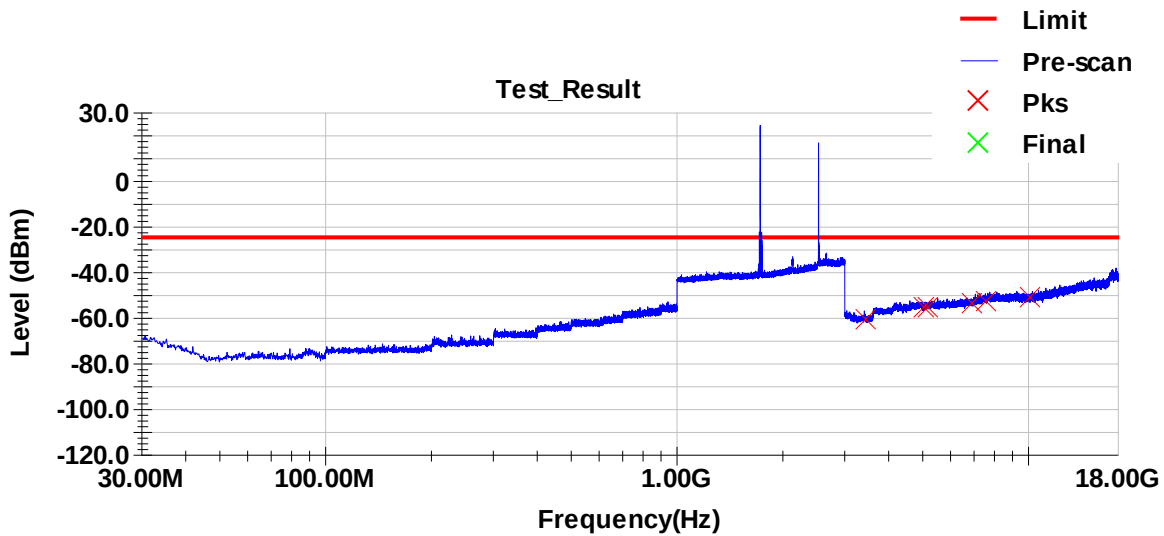


The worst mode: LTE CA_4A_5A-LINK/ANT13-BW20M+20M- Mid-QPSK

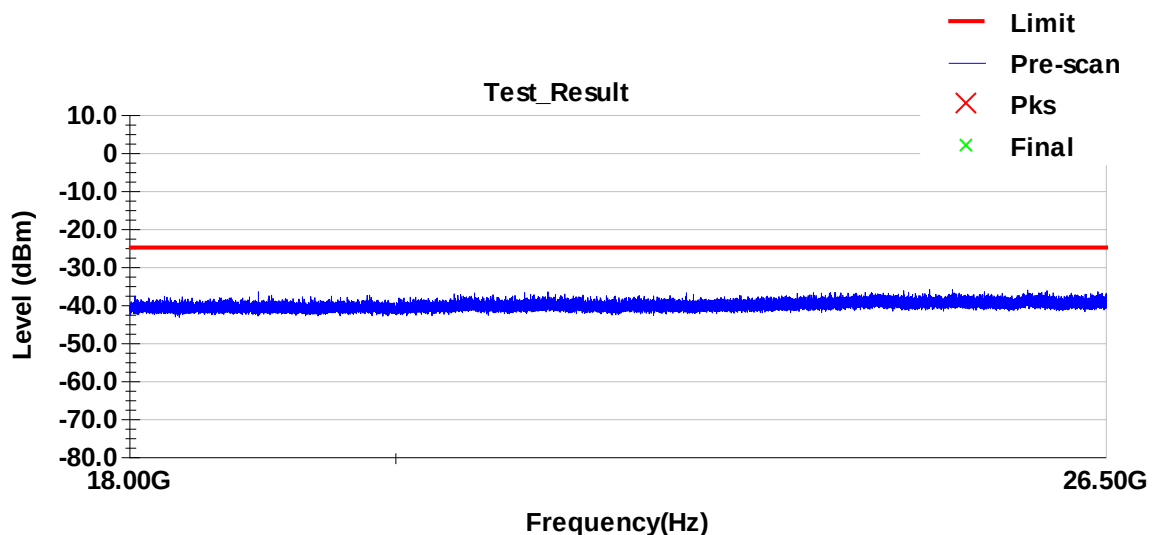


Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
1673.000	22.58	32.04	-95.200	-40.57	-13.00	27.57	V
2509.500	24.63	34.78	-95.200	-35.74	-13.00	22.74	V
3346.000	48.12	-13.17	-95.200	-60.25	-13.00	47.25	V
3465.000	47.25	-13.09	-95.200	-61.05	-13.00	48.05	V
5197.500	46.67	-5.91	-95.200	-54.44	-13.00	41.44	V
6930.000	45.62	-4.06	-95.200	-53.64	-13.00	40.64	V

The worst mode: LTE CA_4A_7A-LINK/ANT13-BW20M+20M-Mid-QPSK



Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
3465.000	47.14	-13.10	-95.200	-61.16	-25.00	36.16	V
5070.000	46.26	-6.33	-95.200	-55.27	-25.00	30.27	V
5197.500	45.78	-5.91	-95.200	-55.33	-25.00	30.33	V
6930.000	45.64	-4.06	-95.200	-53.62	-25.00	28.62	V
7605.000	45.16	-2.71	-95.200	-52.75	-25.00	27.75	V
10140.000	45.03	-0.63	-95.200	-51.10	-25.00	26.10	V



7 Appendix G: Frequency Stability

7.1 Test Result

Band	Channel bandwidth	Modulation	Channel	RB Configure	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	NT	0.1	0.000058	PASS
Band4	20MHz	QPSK	20050	100RB#0	LV	NT	-2.5	- 0.001453	PASS
Band4	20MHz	QPSK	20050	100RB#0	HV	NT	-1.1	- 0.000640	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	NT	-0.7	- 0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	LV	NT	-3.2	- 0.001847	PASS
Band4	20MHz	QPSK	20175	100RB#0	HV	NT	-1.4	- 0.000808	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	NT	-1.3	- 0.000745	PASS
Band4	20MHz	QPSK	20300	100RB#0	LV	NT	-1.5	- 0.000860	PASS
Band4	20MHz	QPSK	20300	100RB#0	HV	NT	-1.5	- 0.000860	PASS

Band	Channel bandwidth	Modulation	Channel	RB Configure	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Verdict
Band 4	20MHz	QPSK	20050	100RB#0	NV	-30	0.5	0.000291	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	-20	-2.9	- 0.001686	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	-10	0.4	0.000233	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	0	-1.5	- 0.000872	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	10	-1.3	- 0.000756	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	20	-0.6	- 0.000349	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	30	1.4	0.000814	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	40	-1.7	- 0.000988	PASS
Band 4	20MHz	QPSK	20050	100RB#0	NV	50	0.5	0.000291	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	-30	0.7	0.000404	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	-20	0.7	0.000404	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	-10	1.5	0.000866	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	0	-0.3	- 0.000173	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	10	-0.5	- 0.000289	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	20	-3.0	- 0.001732	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	30	0.2	0.000115	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	40	0.4	0.000231	PASS
Band 4	20MHz	QPSK	20175	100RB#0	NV	50	-2.6	- 0.001501	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	-30	-1.9	- 0.001089	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	-20	-3.8	- 0.002178	PASS

Band 4	20MHz	QPSK	20300	100RB#0	NV	-10	-1.0	- 0.000573	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	0	-1.1	- 0.000630	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	10	-0.4	- 0.000229	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	20	0.5	0.000287	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	30	0.7	0.000401	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	40	-1.8	- 0.001032	PASS
Band 4	20MHz	QPSK	20300	100RB#0	NV	50	-1.3	- 0.000745	PASS

END