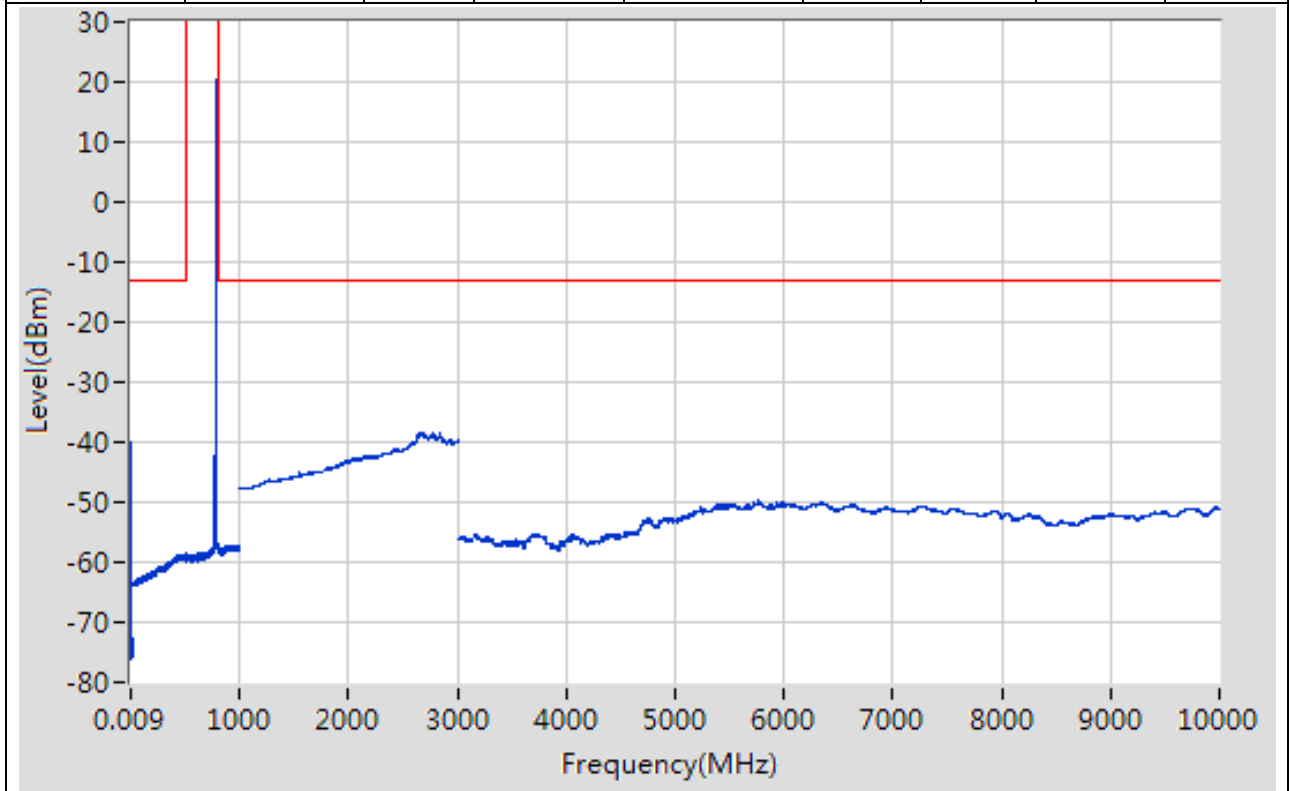


# Annex C. LTE Transmitter Spurious Emissions

## 1. LTE\_Band13

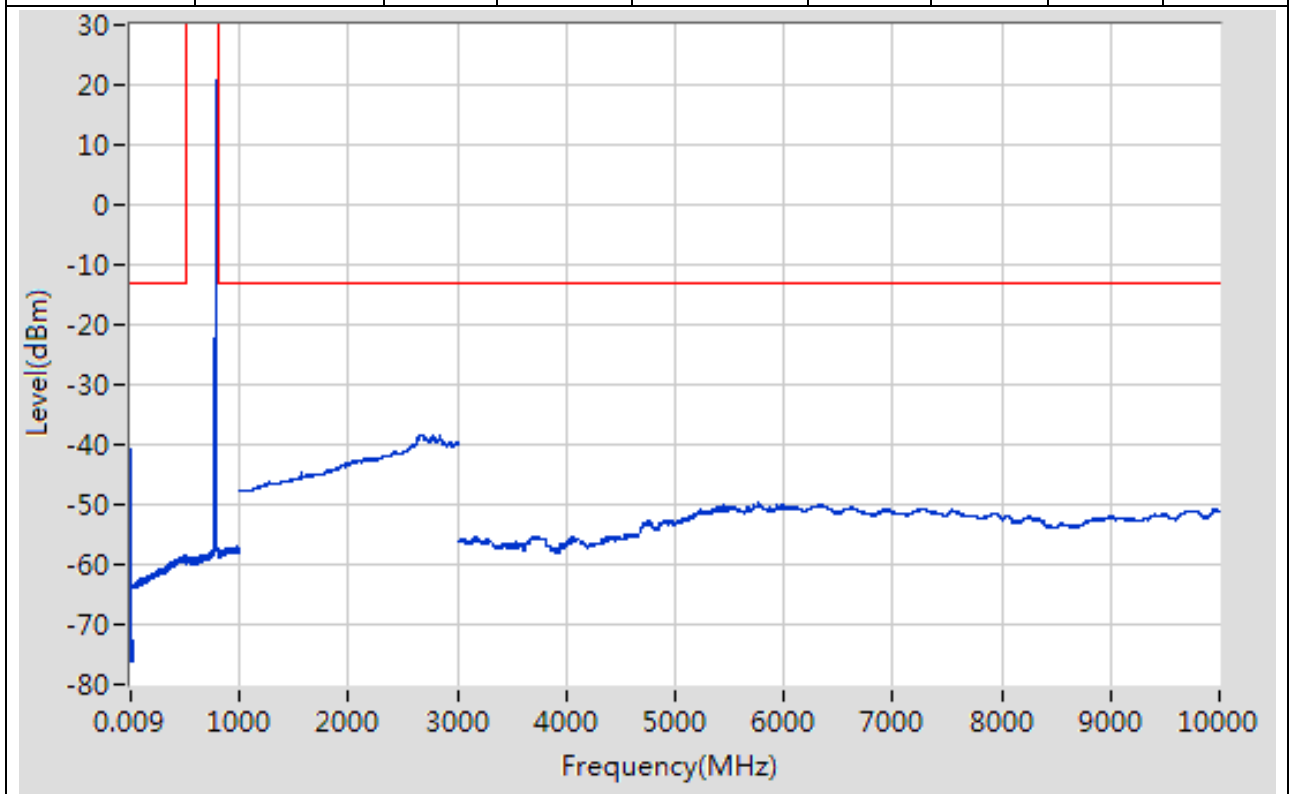
### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-46.31	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.94	-13	Pass	2985
30	500	0.1	RMS	498.5	-58.64	-13	Pass	4700
500	795	0.1	RMS	777.294	20.24	60	Pass	2950
795	1000	0.1	RMS	904.553	-57.12	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.38	-13	Pass	2000
3000	10000	1	RMS	5768.395	-49.76	-13	Pass	7000



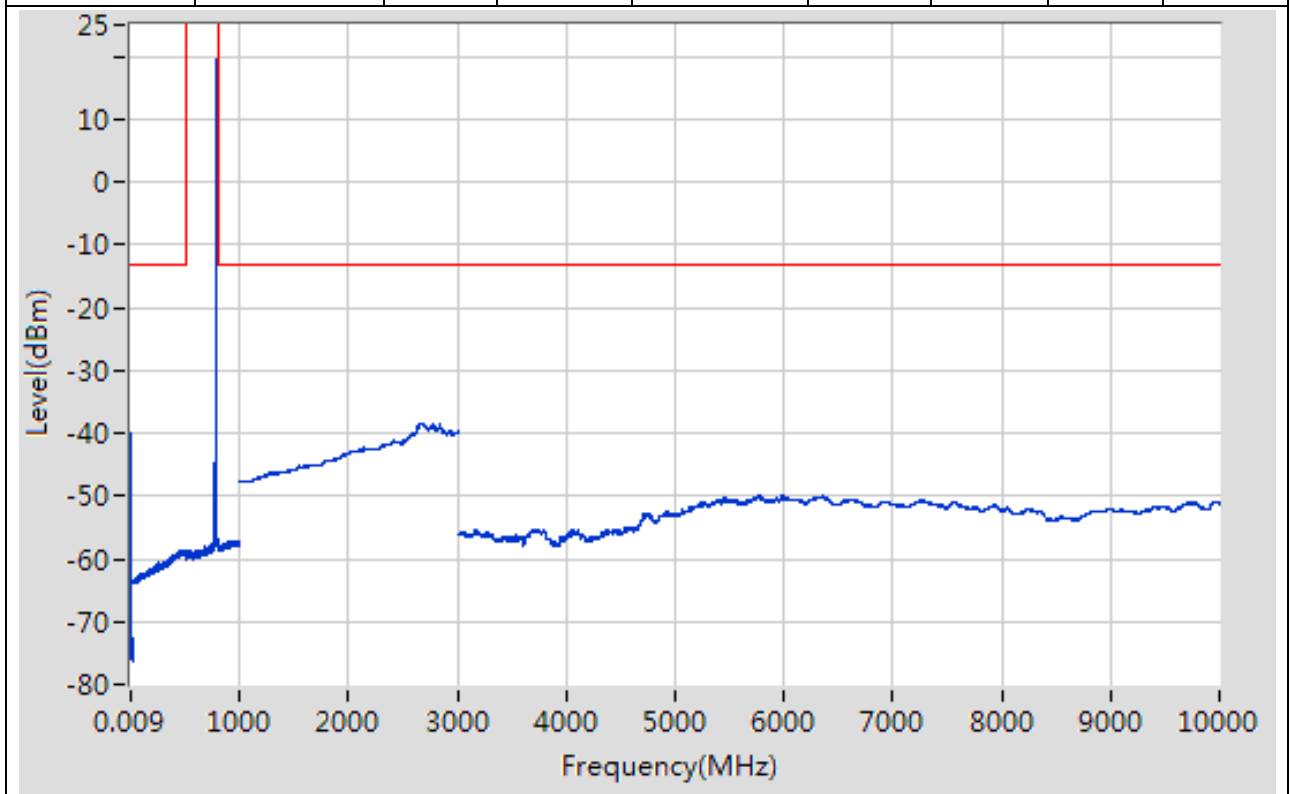
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-47.02	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.63	-13	Pass	2985
30	500	0.1	RMS	498.5	-58.59	-13	Pass	4700
500	795	0.1	RMS	781.695	20.58	60	Pass	2950
795	1000	0.1	RMS	970.886	-57.01	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.42	-13	Pass	2000
3000	10000	1	RMS	5762.395	-49.78	-13	Pass	7000



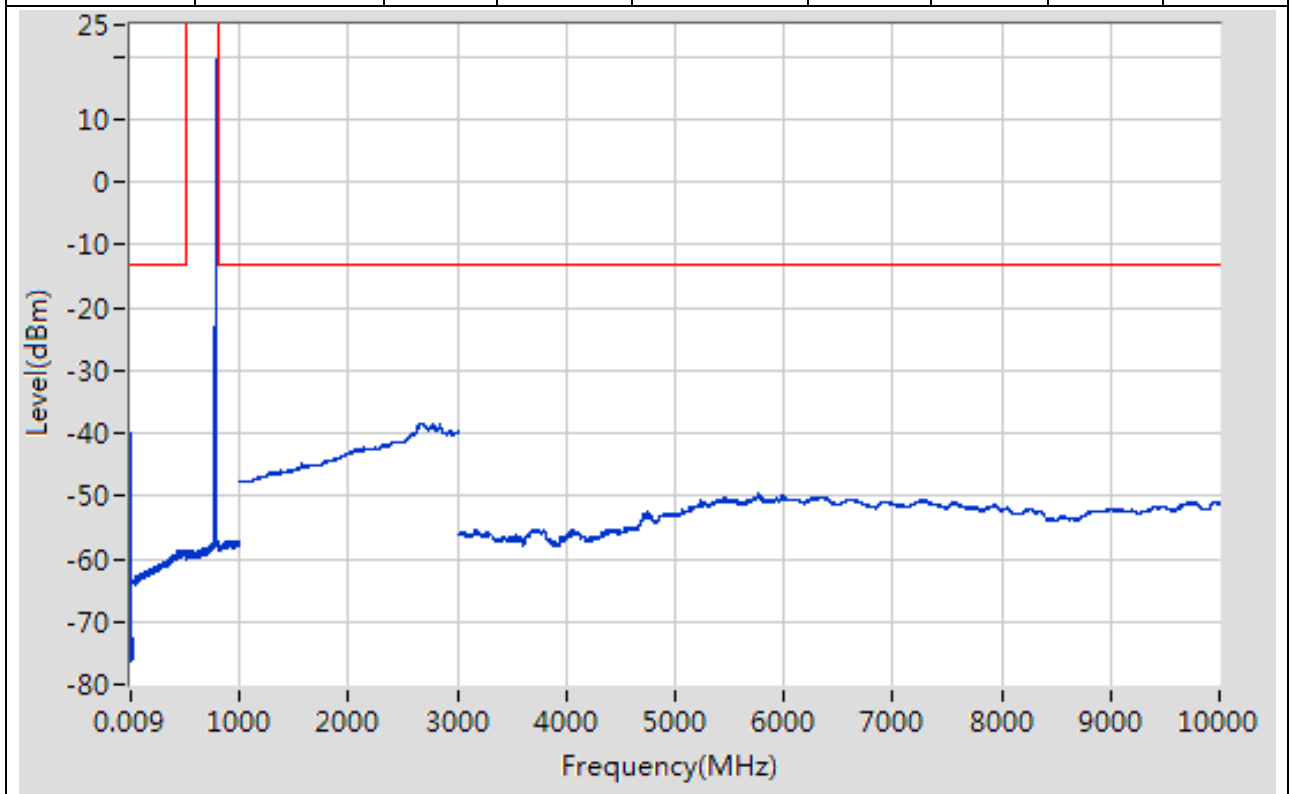
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-46.66	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.03	-13	Pass	2985
30	500	0.1	RMS	497.499	-58.69	-13	Pass	4700
500	795	0.1	RMS	777.294	19.46	60	Pass	2950
795	1000	0.1	RMS	996.598	-57.07	-13	Pass	2050
1000	3000	1	RMS	2670.835	-38.4	-13	Pass	2000
3000	10000	1	RMS	5762.395	-49.76	-13	Pass	7000



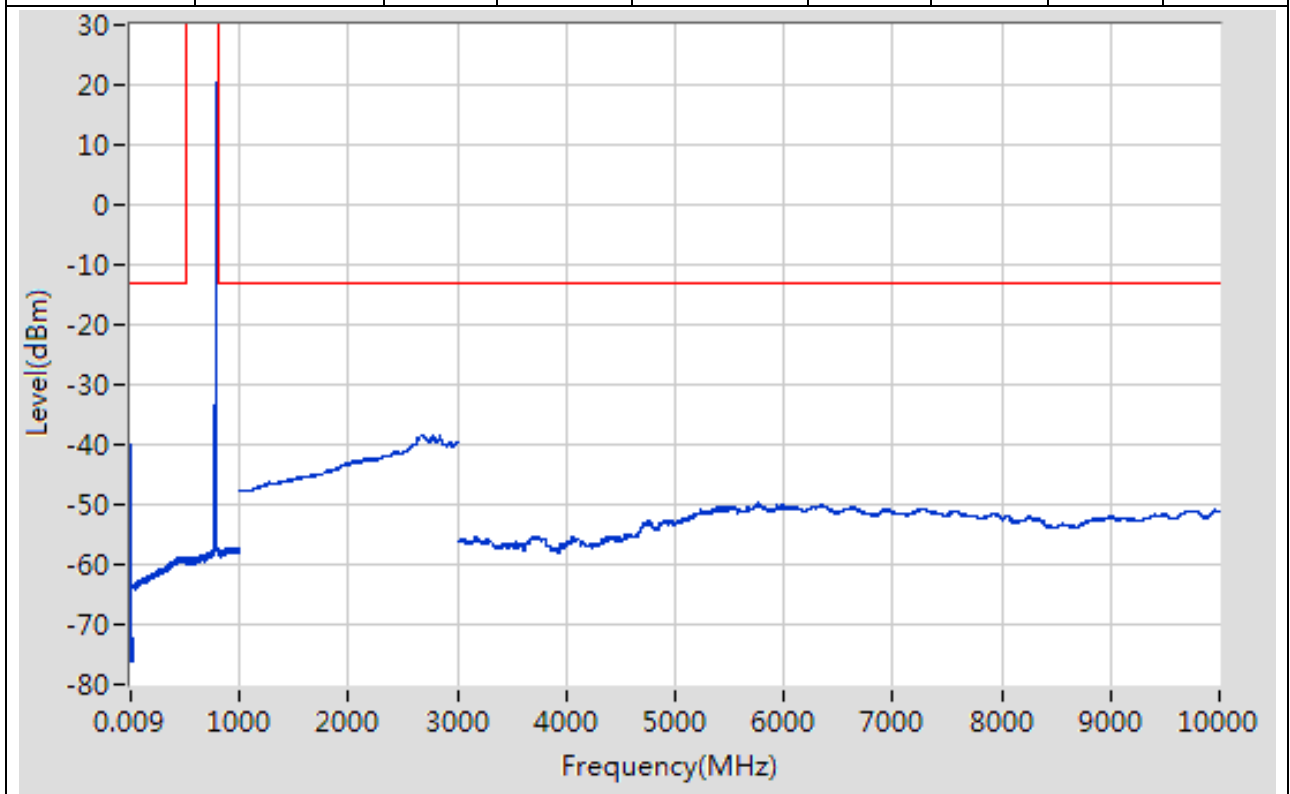
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-47.73	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40	-13	Pass	2985
30	500	0.1	RMS	496.999	-58.64	-13	Pass	4700
500	795	0.1	RMS	781.695	19.62	60	Pass	2950
795	1000	0.1	RMS	980.791	-57.16	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.39	-13	Pass	2000
3000	10000	1	RMS	5754.393	-49.57	-13	Pass	7000



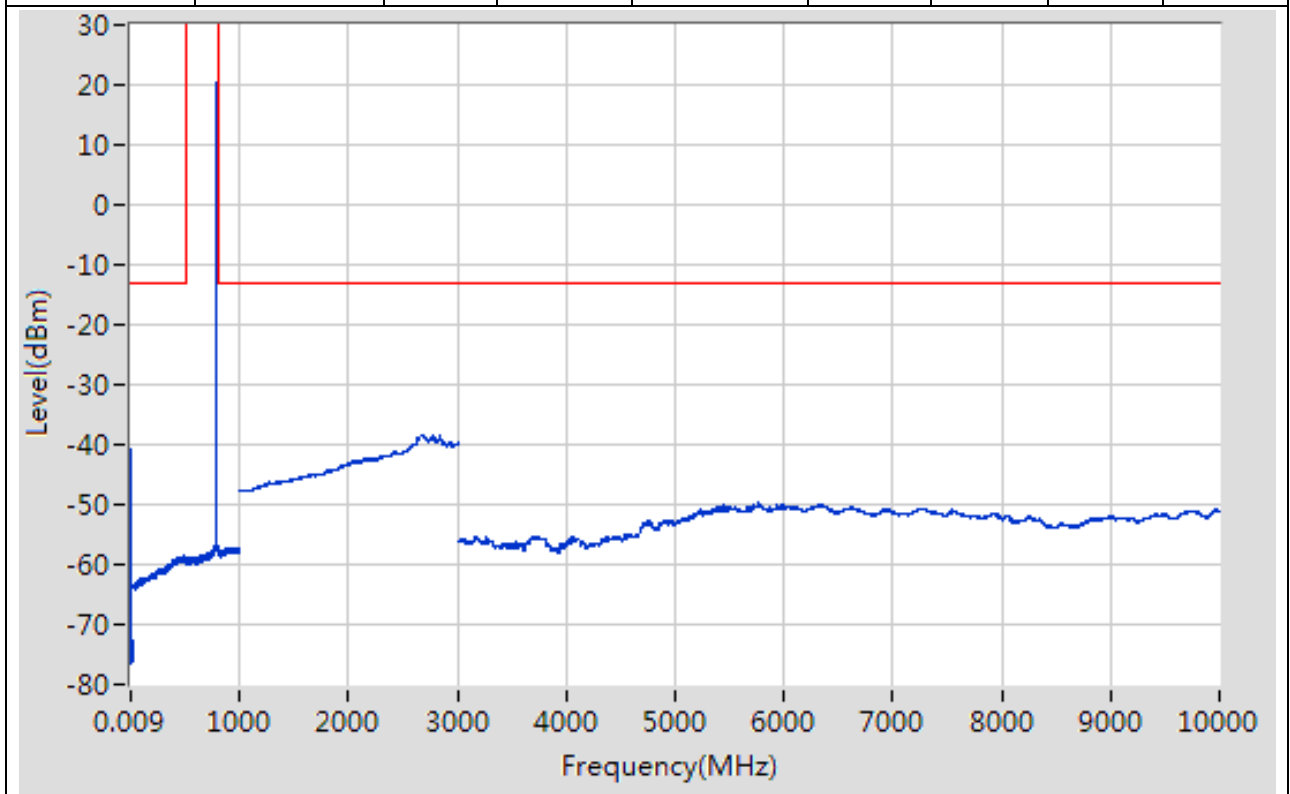
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.56	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40	-13	Pass	2985
30	500	0.1	RMS	464.292	-58.69	-13	Pass	4700
500	795	0.1	RMS	779.795	20.3	60	Pass	2950
795	1000	0.1	RMS	913.858	-57.17	-13	Pass	2050
1000	3000	1	RMS	2667.834	-38.39	-13	Pass	2000
3000	10000	1	RMS	5768.395	-49.72	-13	Pass	7000



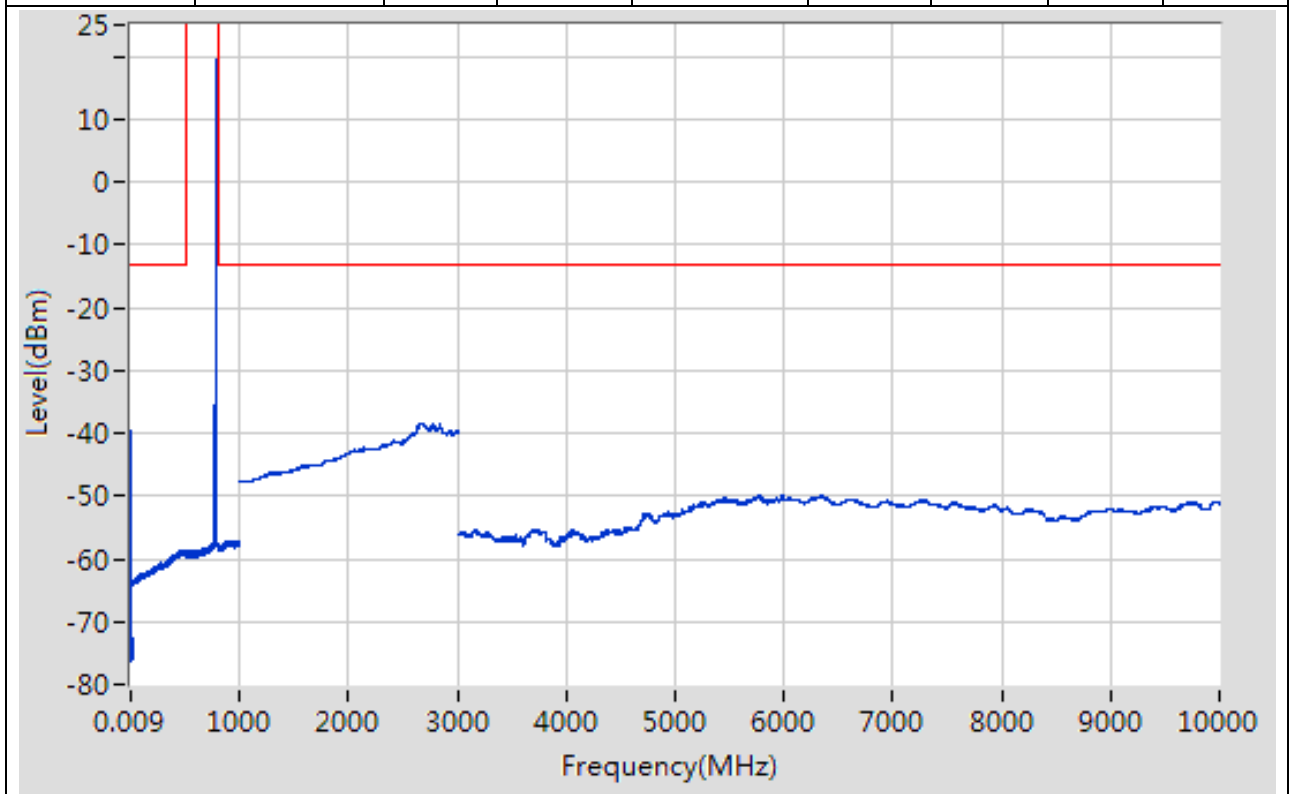
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.71	-13	Pass	2985
30	500	0.1	RMS	492.999	-58.64	-13	Pass	4700
500	795	0.1	RMS	784.196	20.41	60	Pass	2950
795	1000	0.1	RMS	957.379	-57.15	-13	Pass	2050
1000	3000	1	RMS	2671.836	-38.42	-13	Pass	2000
3000	10000	1	RMS	5770.396	-49.72	-13	Pass	7000



**1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

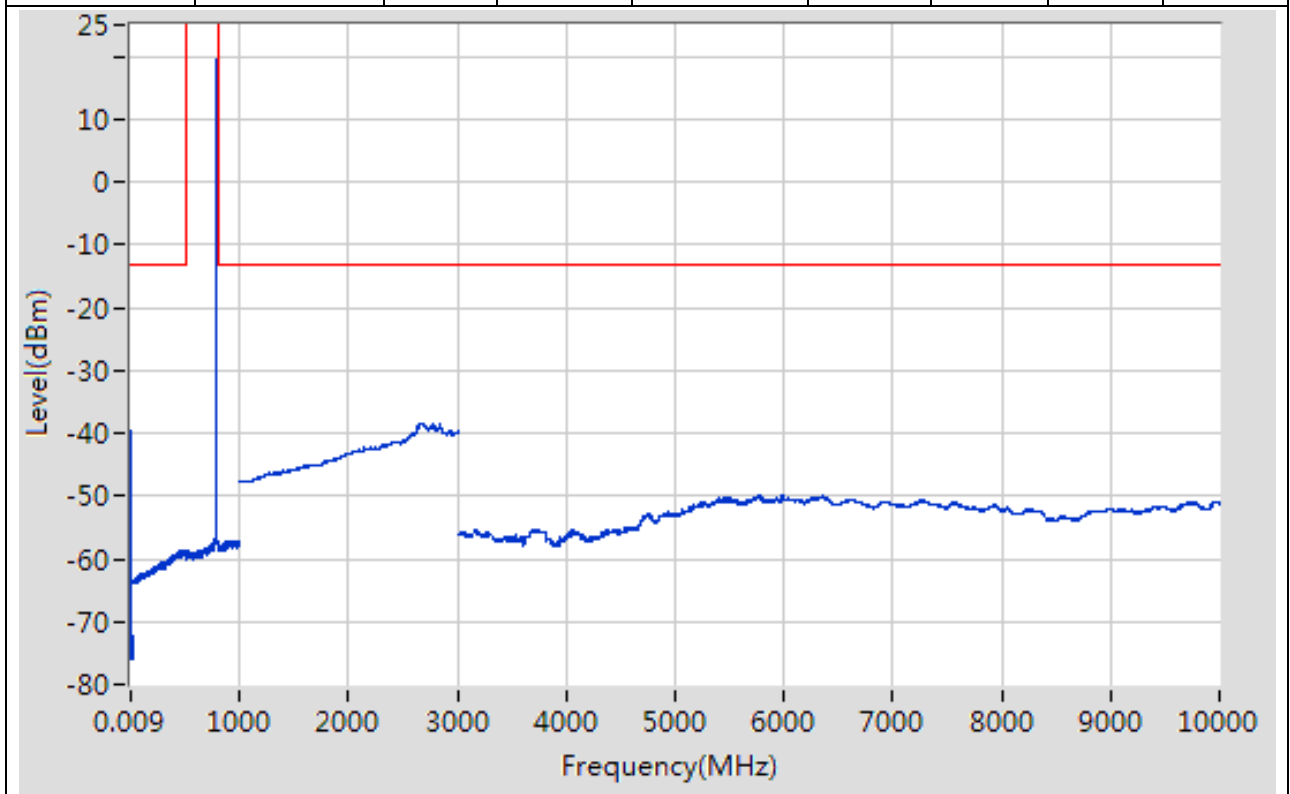
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-47.15	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.62	-13	Pass	2985
30	500	0.1	RMS	496.299	-58.65	-13	Pass	4700
500	795	0.1	RMS	779.795	19.53	60	Pass	2950
795	1000	0.1	RMS	900.551	-57.13	-13	Pass	2050
1000	3000	1	RMS	2673.837	-38.39	-13	Pass	2000
3000	10000	1	RMS	5769.396	-49.76	-13	Pass	7000





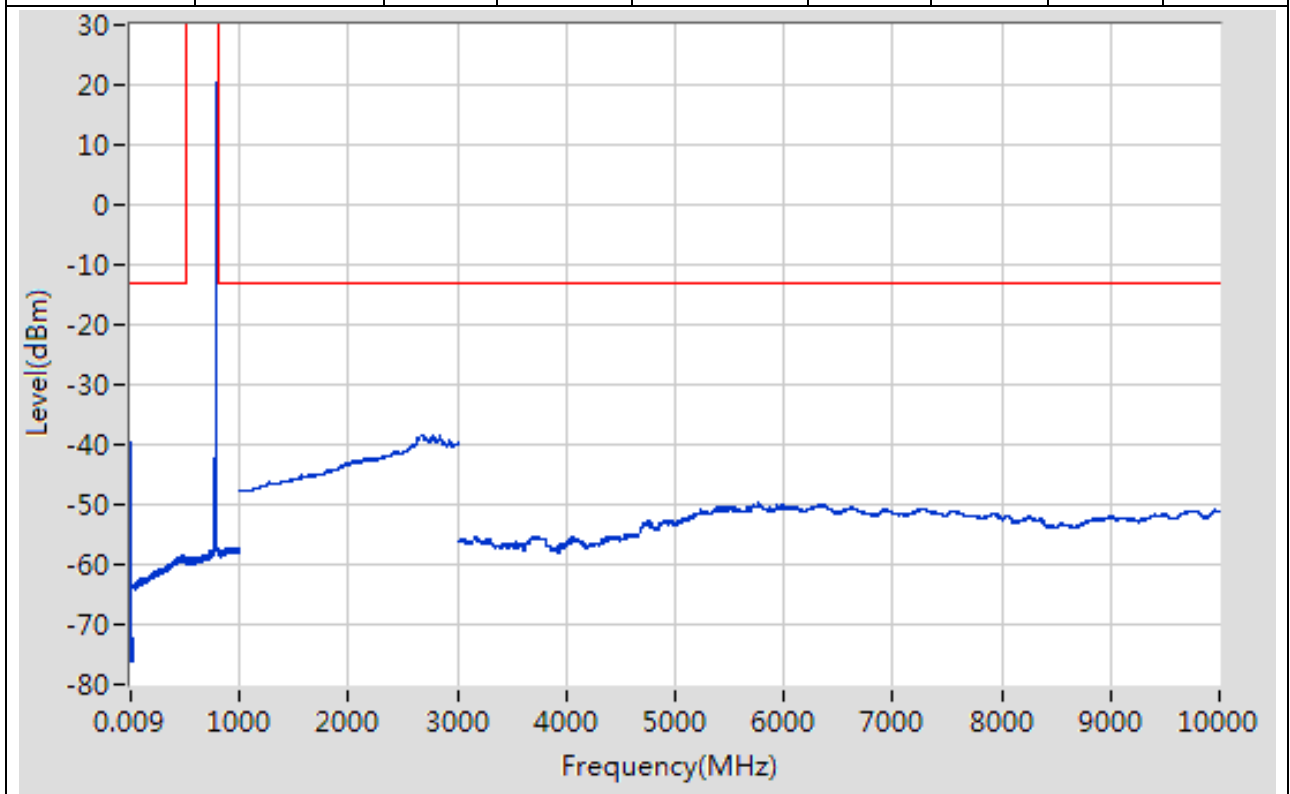
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-47.53	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.58	-13	Pass	2985
30	500	0.1	RMS	492.098	-58.57	-13	Pass	4700
500	795	0.1	RMS	784.196	19.62	60	Pass	2950
795	1000	0.1	RMS	917.46	-57.18	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.42	-13	Pass	2000
3000	10000	1	RMS	5769.396	-49.76	-13	Pass	7000



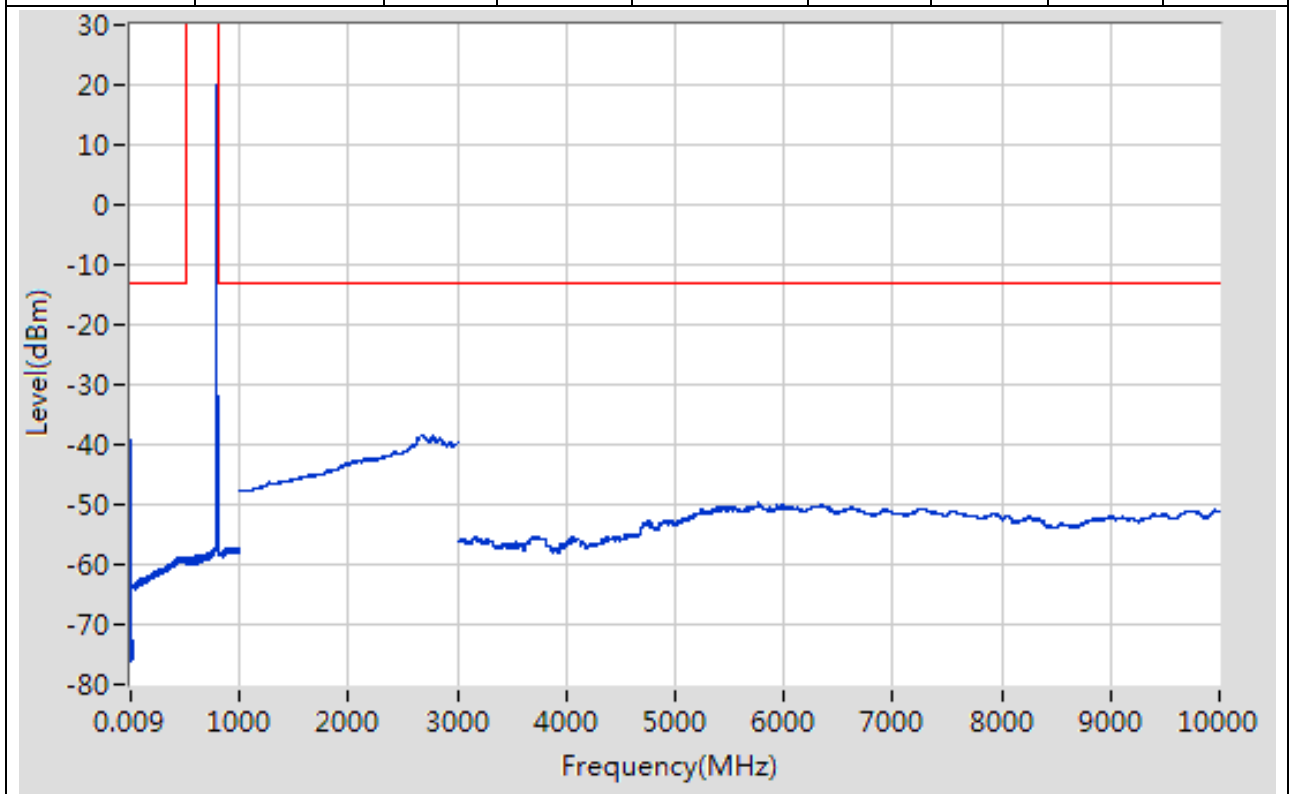
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.76	-13	Pass	2985
30	500	0.1	RMS	460.292	-58.55	-13	Pass	4700
500	795	0.1	RMS	782.296	20.3	60	Pass	2950
795	1000	0.1	RMS	992.796	-57.15	-13	Pass	2050
1000	3000	1	RMS	2666.833	-38.37	-13	Pass	2000
3000	10000	1	RMS	5765.395	-49.7	-13	Pass	7000



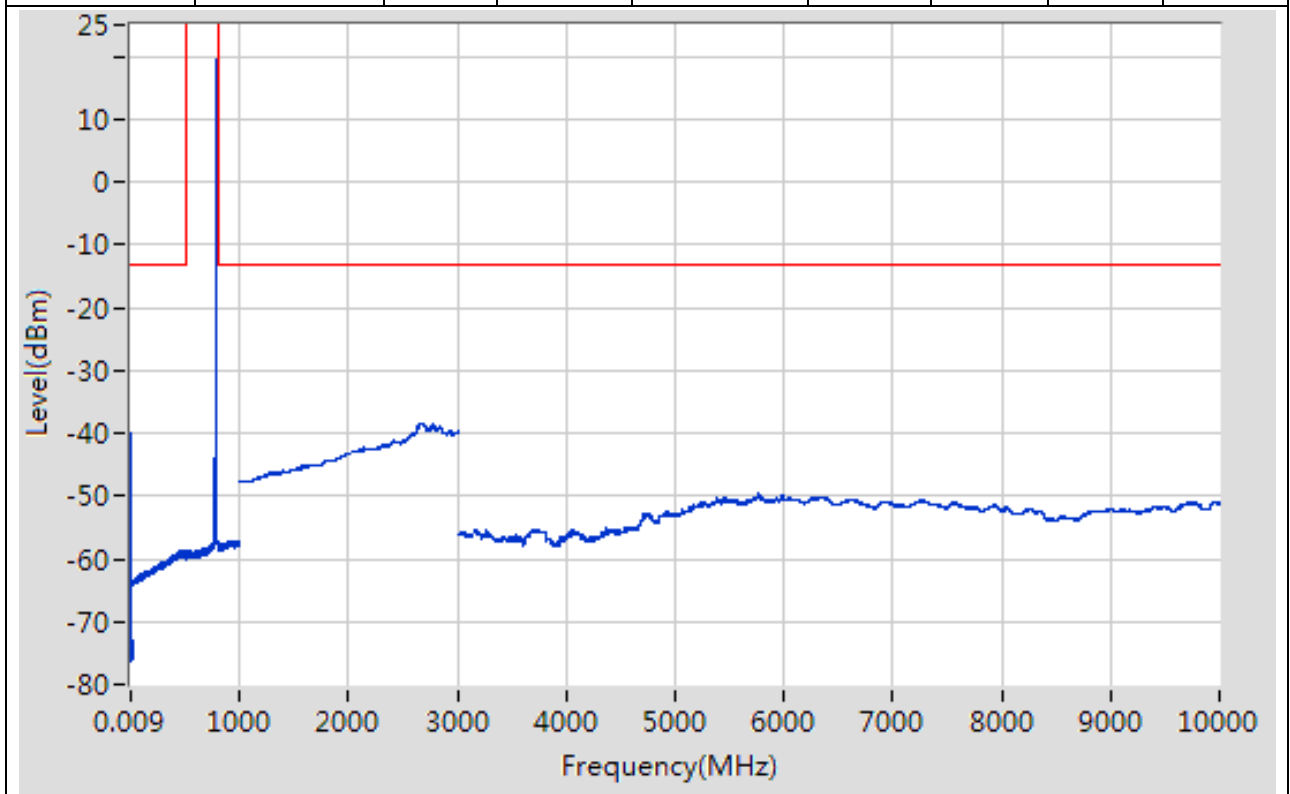
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.89	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.19	-13	Pass	2985
30	500	0.1	RMS	485.597	-58.66	-13	Pass	4700
500	795	0.1	RMS	786.697	20.03	60	Pass	2950
795	1000	0.1	RMS	795.3	-31.75	-13	Pass	2050
1000	3000	1	RMS	2667.834	-38.41	-13	Pass	2000
3000	10000	1	RMS	5770.396	-49.73	-13	Pass	7000



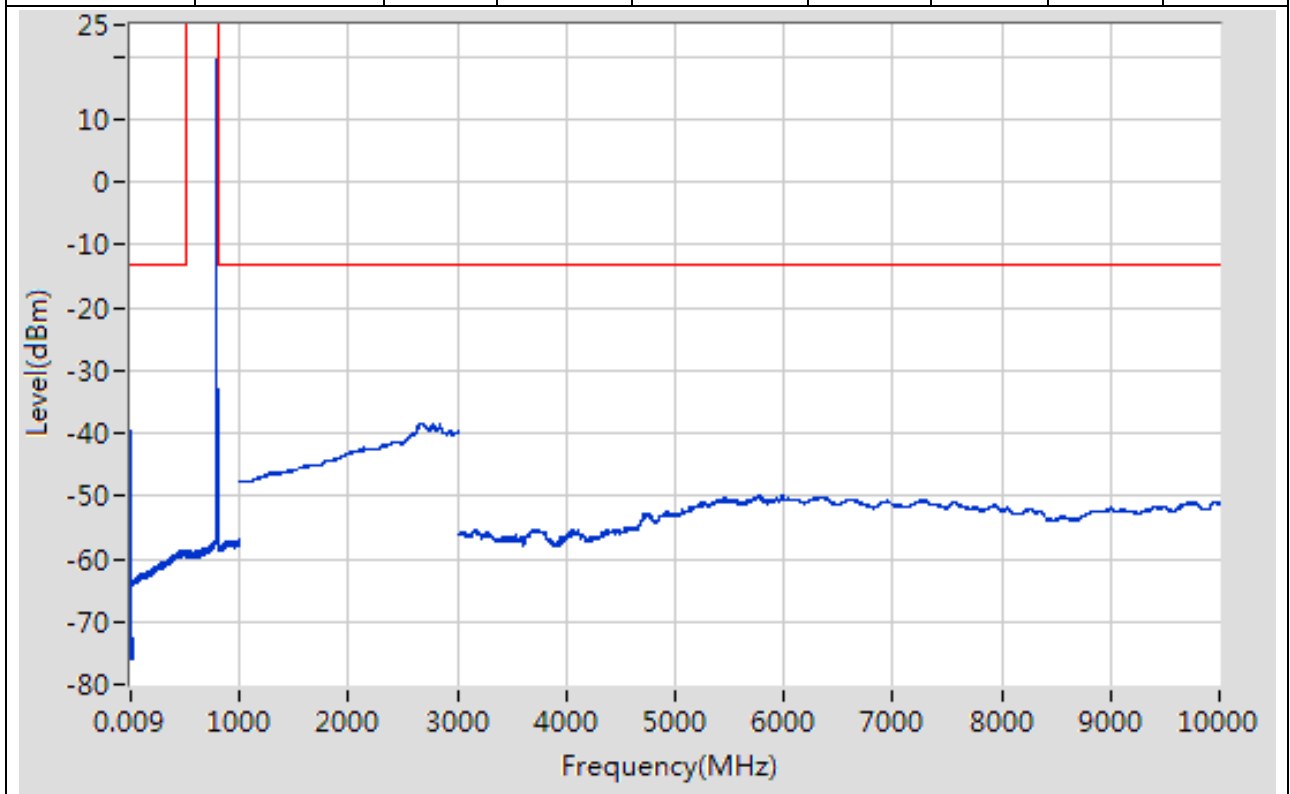
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-46.92	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.02	-13	Pass	2985
30	500	0.1	RMS	499.3	-58.7	-13	Pass	4700
500	795	0.1	RMS	782.296	19.38	60	Pass	2950
795	1000	0.1	RMS	933.968	-57.08	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.4	-13	Pass	2000
3000	10000	1	RMS	5768.395	-49.7	-13	Pass	7000



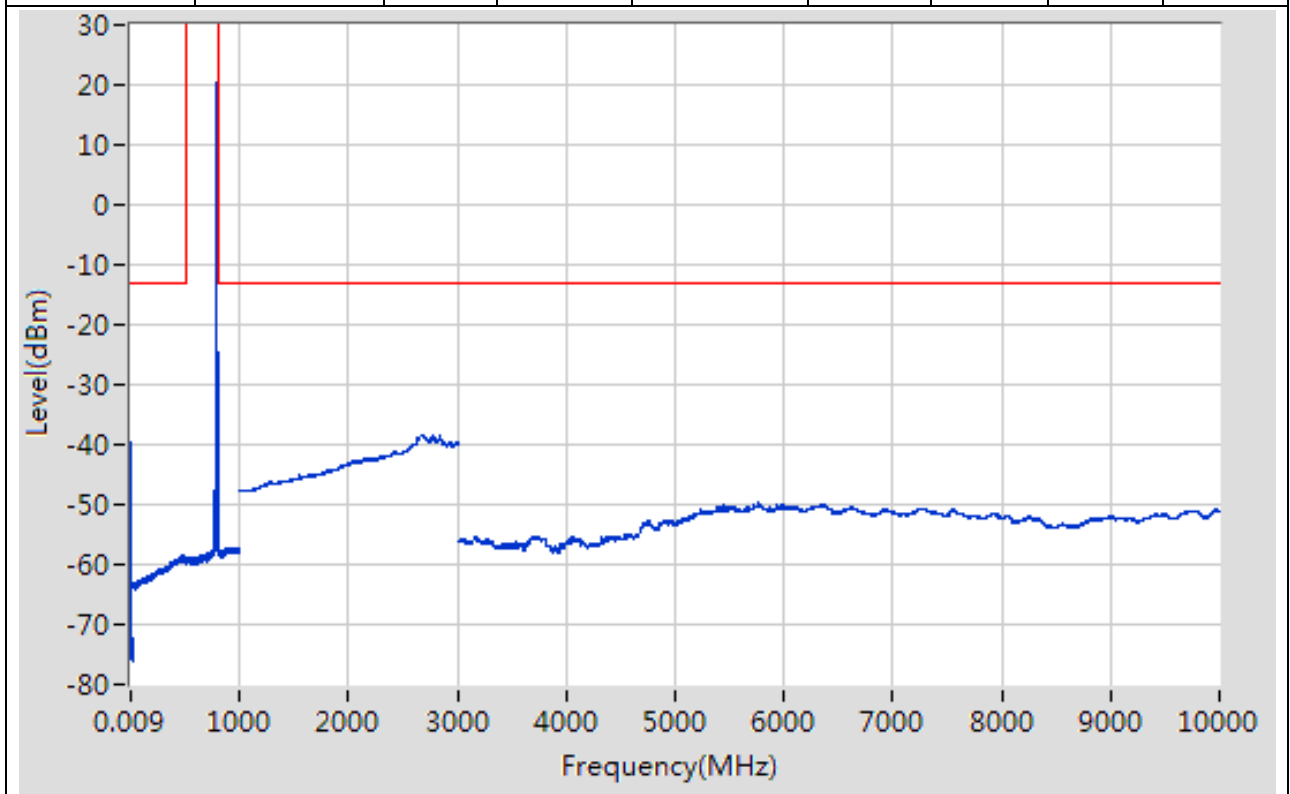
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-46.44	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.72	-13	Pass	2985
30	500	0.1	RMS	485.197	-58.69	-13	Pass	4700
500	795	0.1	RMS	786.697	19.61	60	Pass	2950
795	1000	0.1	RMS	795.3	-32.87	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.46	-13	Pass	2000
3000	10000	1	RMS	5763.395	-49.77	-13	Pass	7000



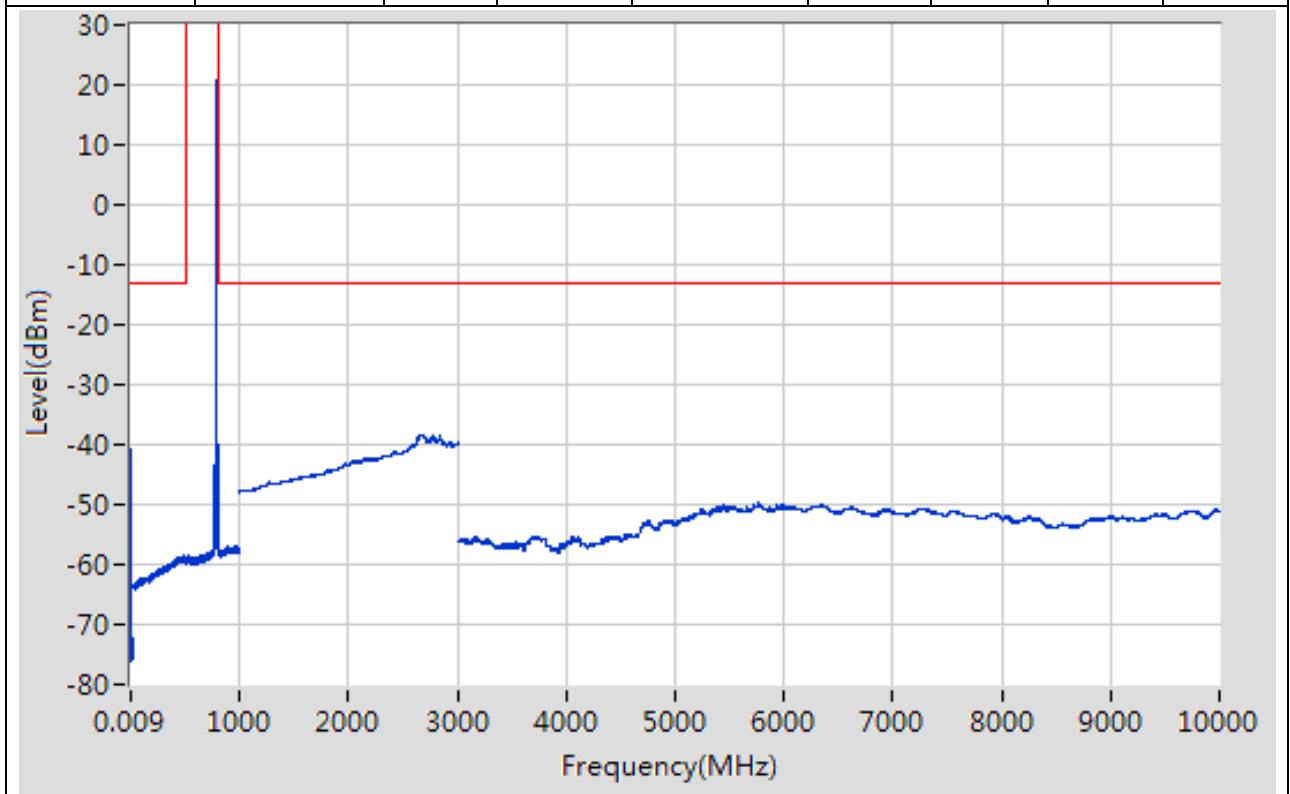
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.79	-13	Pass	601
0.15	30	0.01	RMS	0.16	-39.5	-13	Pass	2985
30	500	0.1	RMS	497.099	-58.63	-13	Pass	4700
500	795	0.1	RMS	777.594	20.57	60	Pass	2950
795	1000	0.1	RMS	795.2	-24.76	-13	Pass	2050
1000	3000	1	RMS	2671.836	-38.43	-13	Pass	2000
3000	10000	1	RMS	5769.396	-49.72	-13	Pass	7000



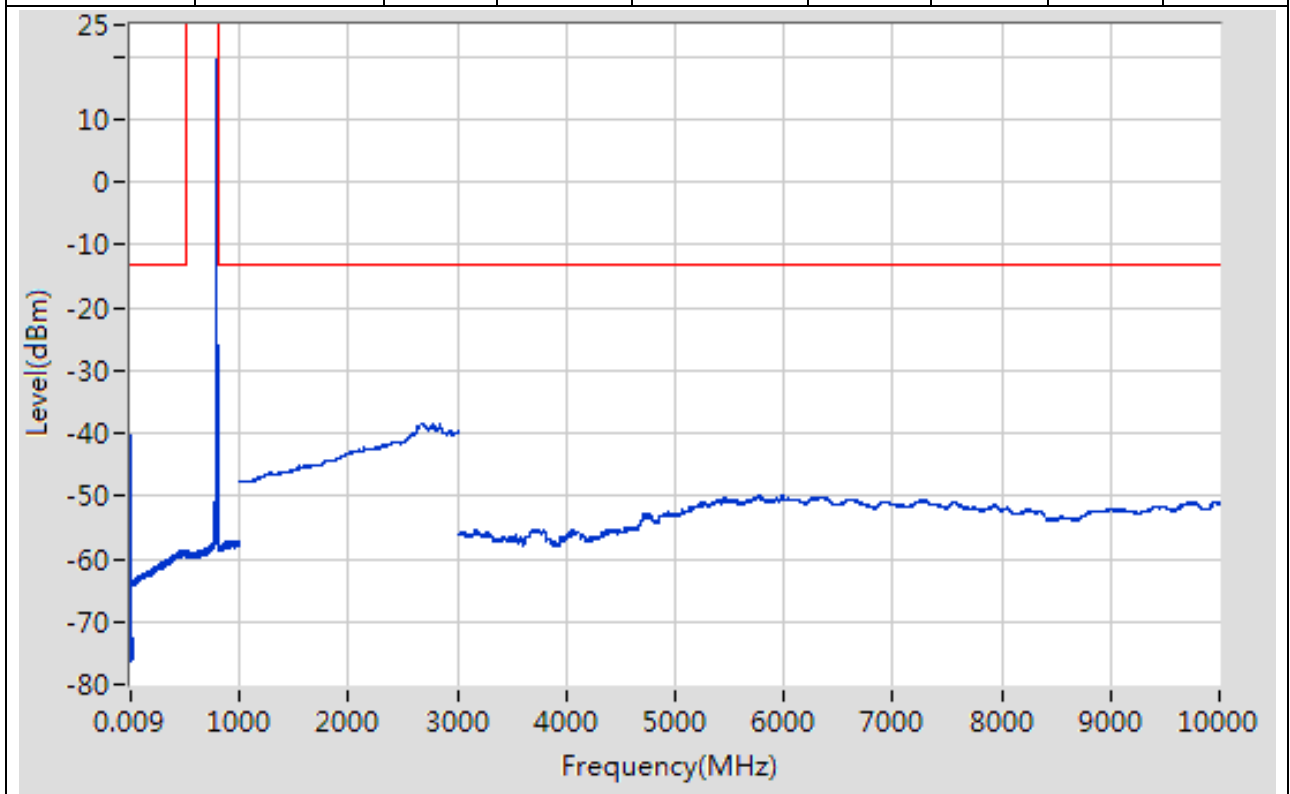
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-46.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.89	-13	Pass	2985
30	500	0.1	RMS	493.599	-58.6	-13	Pass	4700
500	795	0.1	RMS	786.397	20.59	60	Pass	2950
795	1000	0.1	RMS	795.2	-39.81	-13	Pass	2050
1000	3000	1	RMS	2671.836	-38.43	-13	Pass	2000
3000	10000	1	RMS	5770.396	-49.72	-13	Pass	7000



**1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

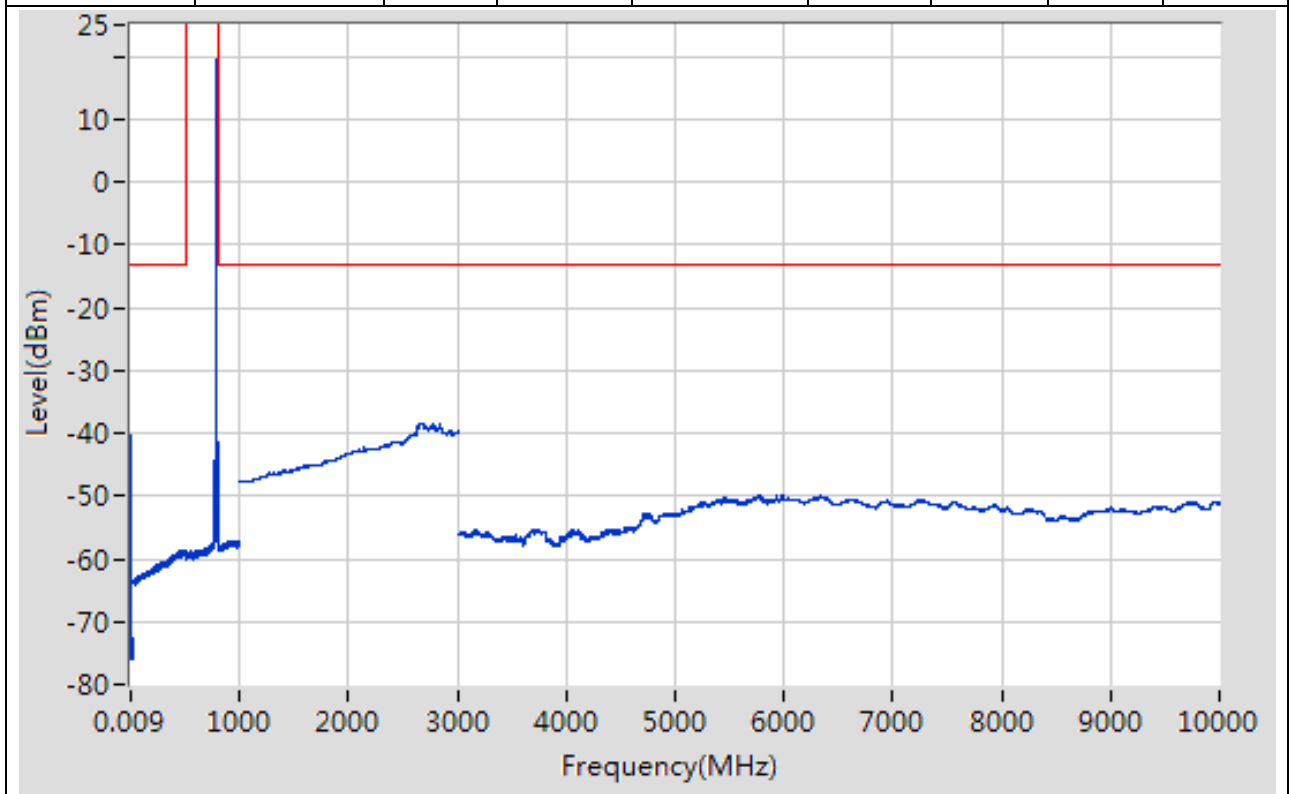
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-47.28	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.44	-13	Pass	2985
30	500	0.1	RMS	462.092	-58.74	-13	Pass	4700
500	795	0.1	RMS	777.594	19.64	60	Pass	2950
795	1000	0.1	RMS	795.3	-26.02	-13	Pass	2050
1000	3000	1	RMS	2667.834	-38.47	-13	Pass	2000
3000	10000	1	RMS	5768.395	-49.76	-13	Pass	7000





**1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:23230, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-46.97	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.26	-13	Pass	2985
30	500	0.1	RMS	496.599	-58.57	-13	Pass	4700
500	795	0.1	RMS	786.397	19.57	60	Pass	2950
795	1000	0.1	RMS	795.2	-41.62	-13	Pass	2050
1000	3000	1	RMS	2666.833	-38.48	-13	Pass	2000
3000	10000	1	RMS	5765.395	-49.77	-13	Pass	7000



END