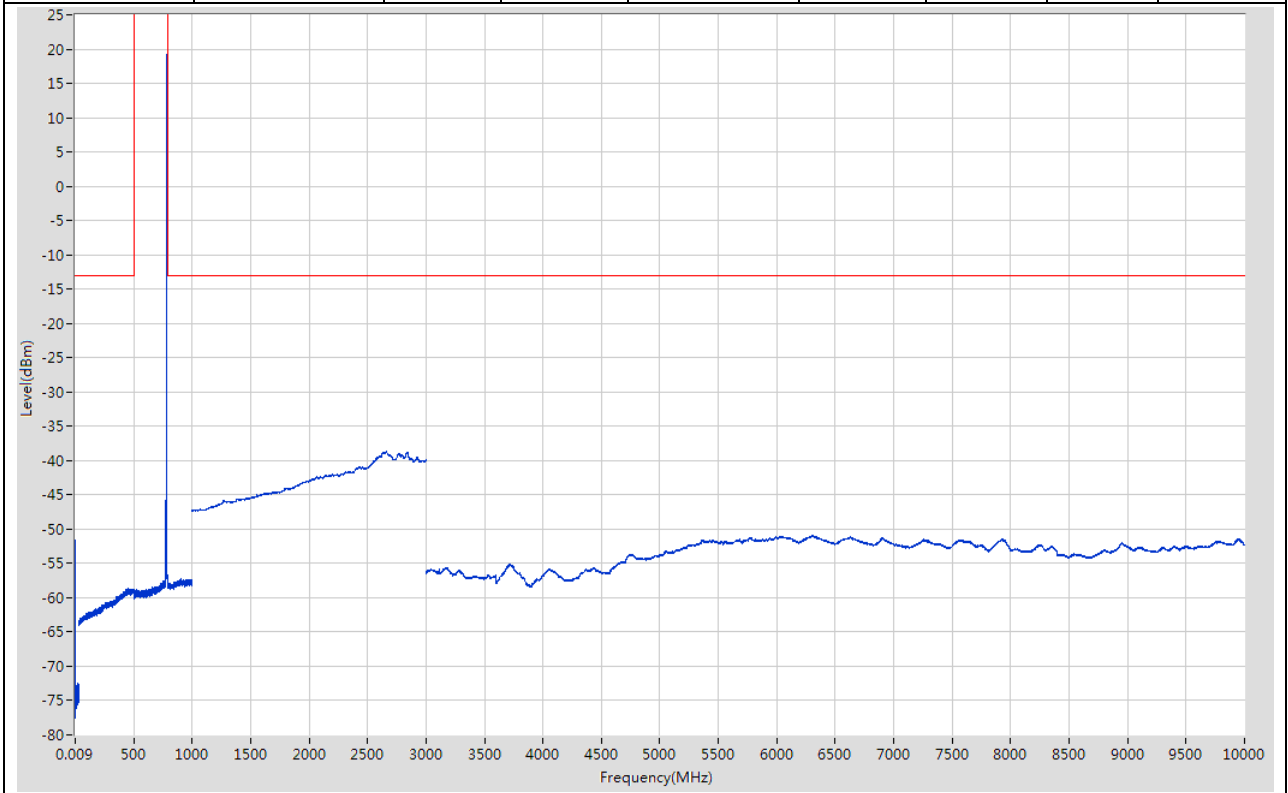


# Annex C. LTE Transmitter Spurious Emissions

# 1. LTE\_Band13

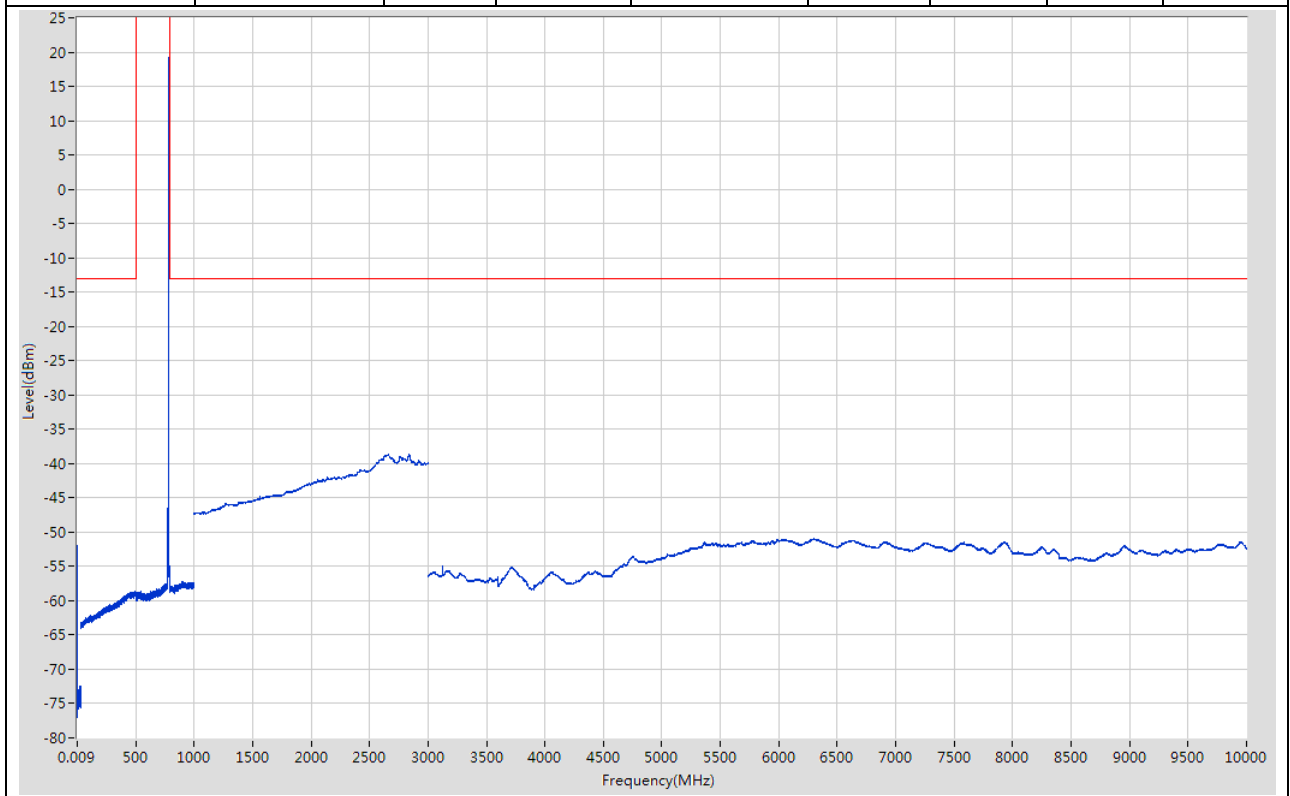
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-54.02	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.54	-13	Pass	2985
30	500	0.1	RMS	449.089	-58.67	-13	Pass	4700
500	795	0.1	RMS	777.294	19.23	60	Pass	2950
795	1000	0.1	RMS	902.352	-57.26	-13	Pass	2050
1000	3000	1	RMS	2661.831	-38.66	-13	Pass	2000
3000	10000	1	RMS	6297.471	-50.98	-13	Pass	7000



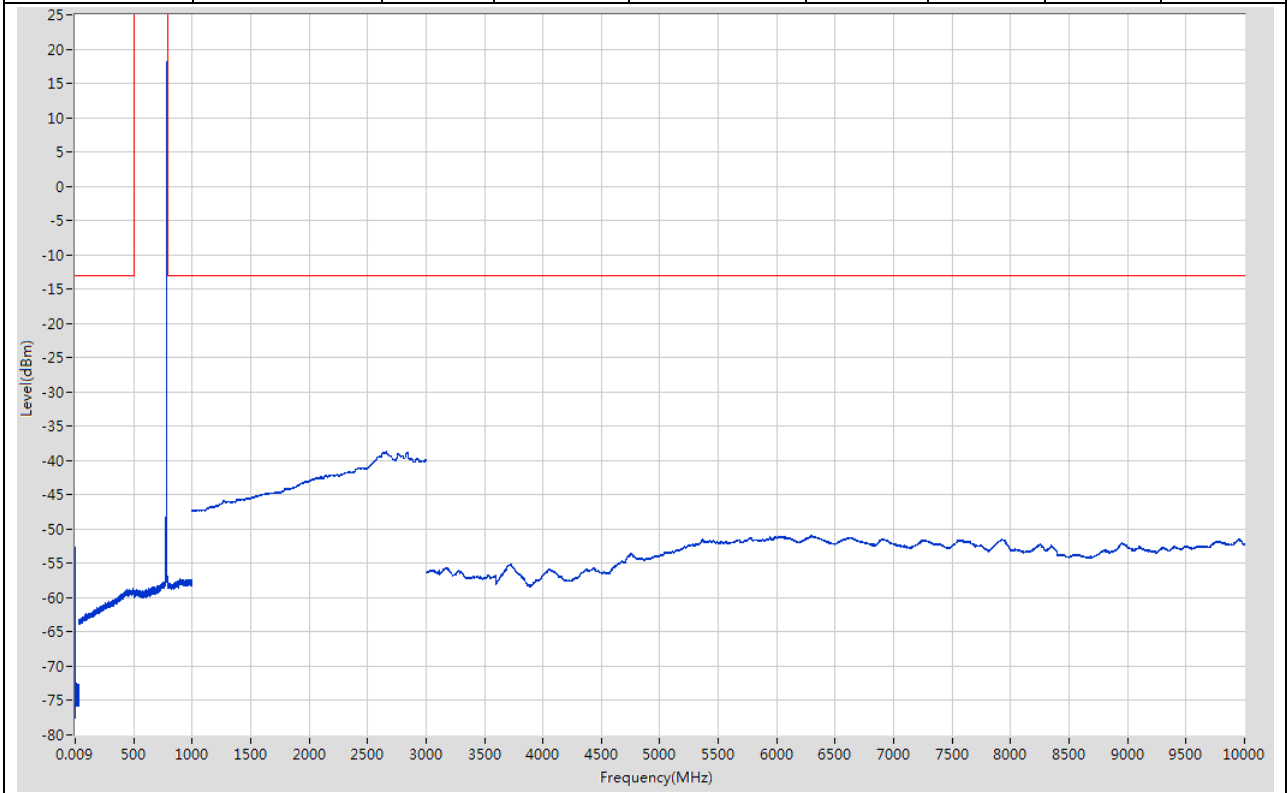
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.01	-53.5	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.01	-13	Pass	2985
30	500	0.1	RMS	494.499	-58.64	-13	Pass	4700
500	795	0.1	RMS	781.695	19.18	60	Pass	2950
795	1000	0.1	RMS	900.451	-57.27	-13	Pass	2050
1000	3000	1	RMS	2660.83	-38.61	-13	Pass	2000
3000	10000	1	RMS	6300.471	-50.97	-13	Pass	7000



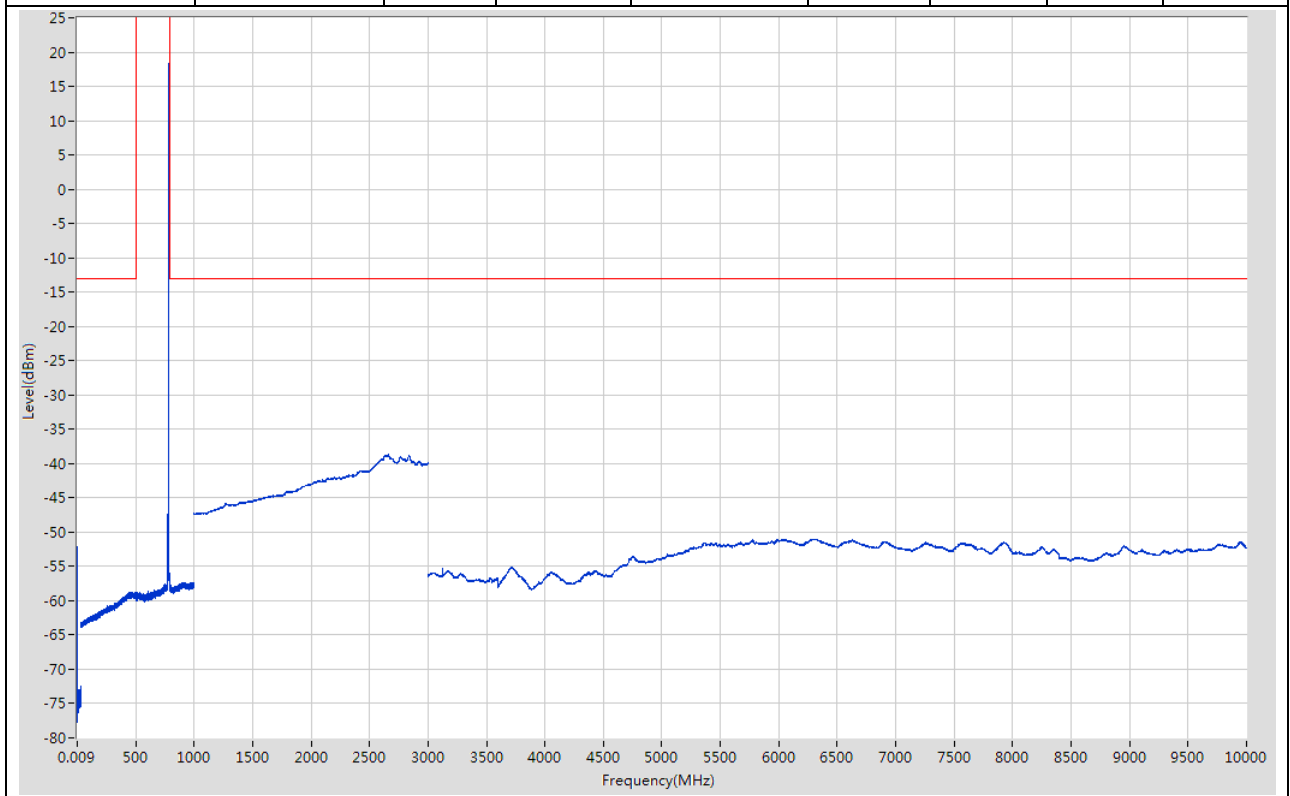
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	0.01	-53.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.7	-13	Pass	2985
30	500	0.1	RMS	496.599	-58.67	-13	Pass	4700
500	795	0.1	RMS	777.394	18.12	60	Pass	2950
795	1000	0.1	RMS	894.449	-57.23	-13	Pass	2050
1000	3000	1	RMS	2658.829	-38.68	-13	Pass	2000
3000	10000	1	RMS	6294.471	-50.96	-13	Pass	7000



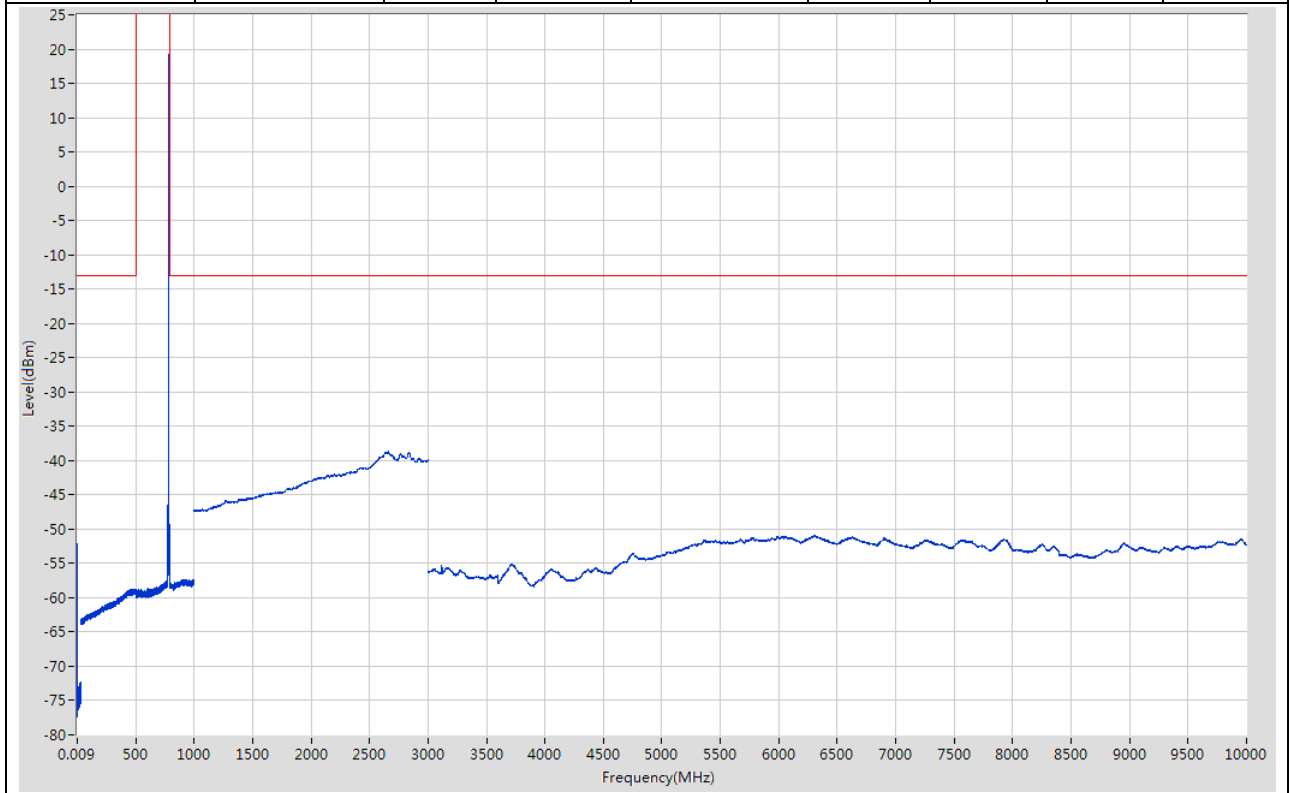
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-53.29	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.15	-13	Pass	2985
30	500	0.1	RMS	494.299	-58.8	-13	Pass	4700
500	795	0.1	RMS	781.695	18.27	60	Pass	2950
795	1000	0.1	RMS	899.251	-57.37	-13	Pass	2050
1000	3000	1	RMS	2658.829	-38.67	-13	Pass	2000
3000	10000	1	RMS	6312.473	-50.99	-13	Pass	7000



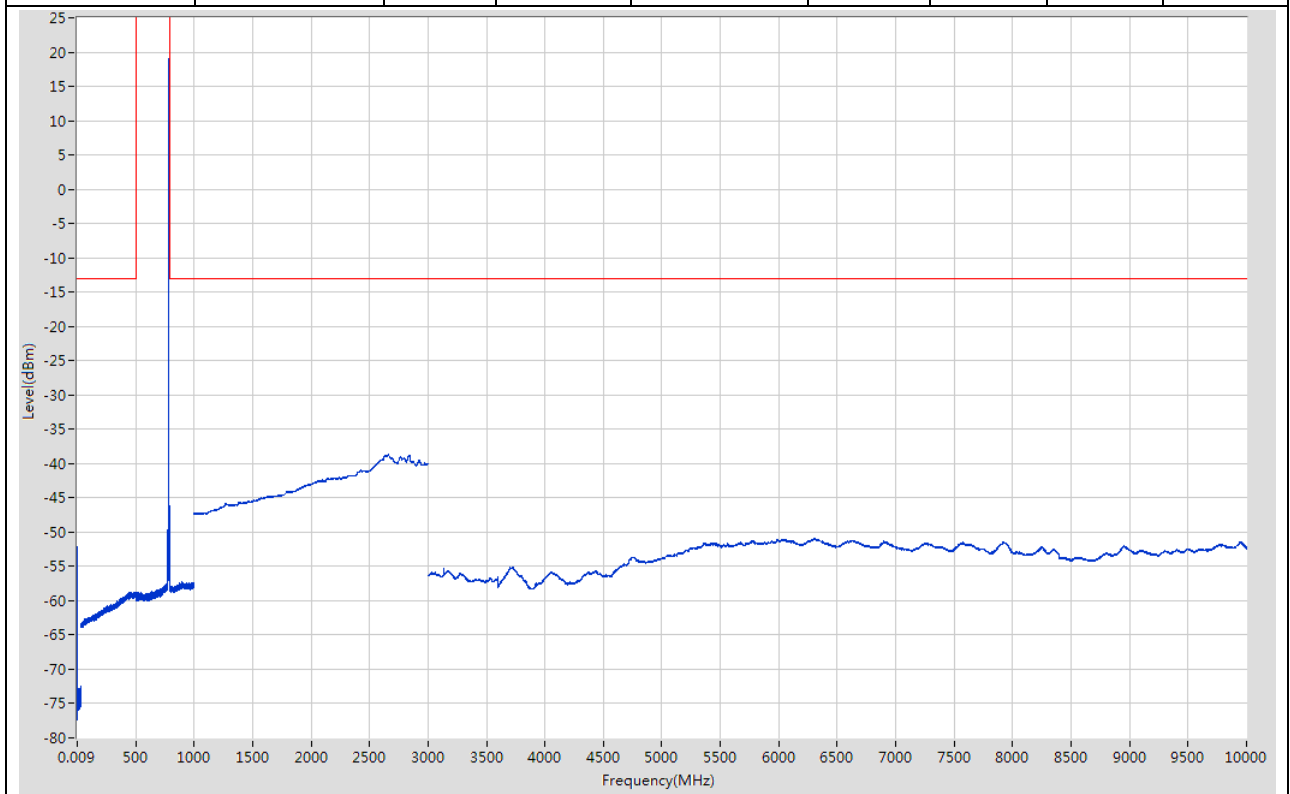
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.009	-53.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.06	-13	Pass	2985
30	500	0.1	RMS	463.292	-58.76	-13	Pass	4700
500	795	0.1	RMS	779.795	19.27	60	Pass	2950
795	1000	0.1	RMS	994.297	-57.36	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.7	-13	Pass	2000
3000	10000	1	RMS	6300.471	-50.93	-13	Pass	7000



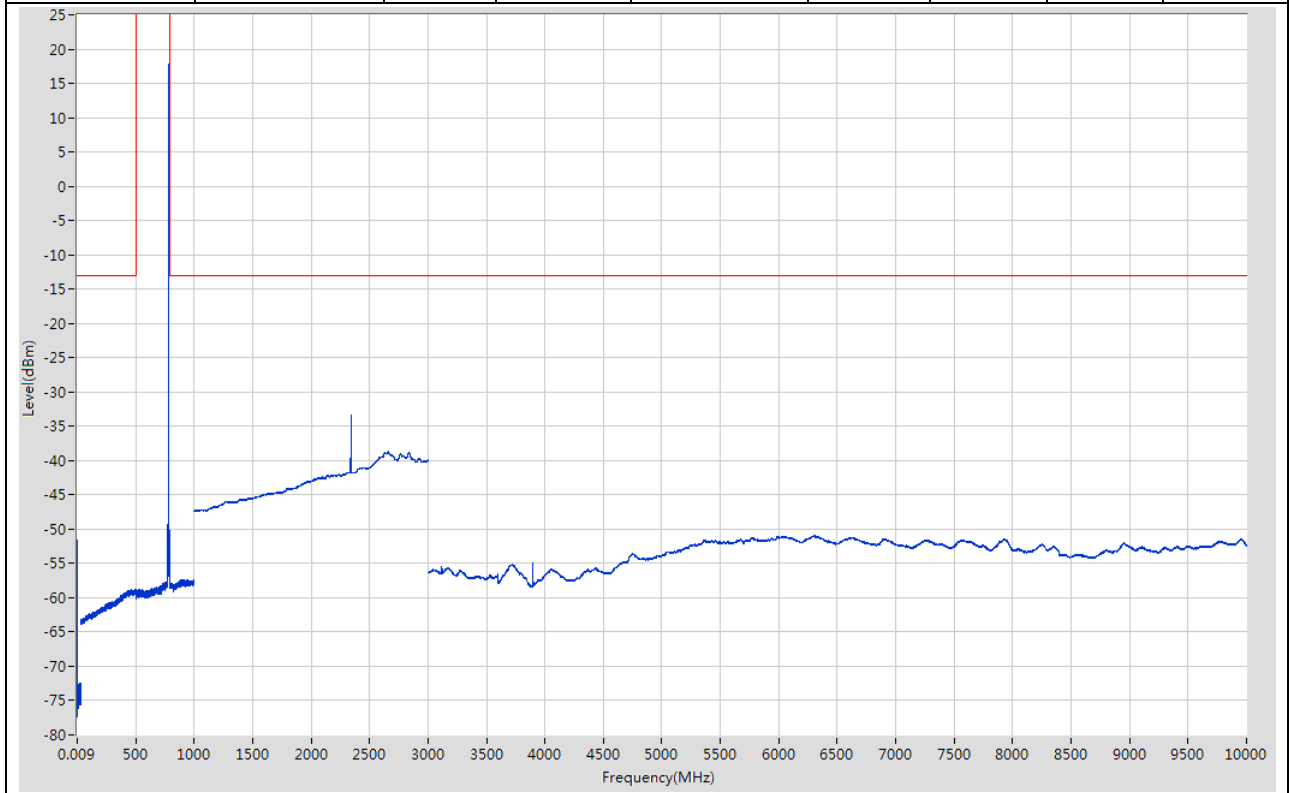
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.38	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.11	-13	Pass	2985
30	500	0.1	RMS	499.5	-58.73	-13	Pass	4700
500	795	0.1	RMS	784.196	19.04	60	Pass	2950
795	1000	0.1	RMS	895.749	-57.29	-13	Pass	2050
1000	3000	1	RMS	2660.83	-38.67	-13	Pass	2000
3000	10000	1	RMS	6311.473	-50.97	-13	Pass	7000



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

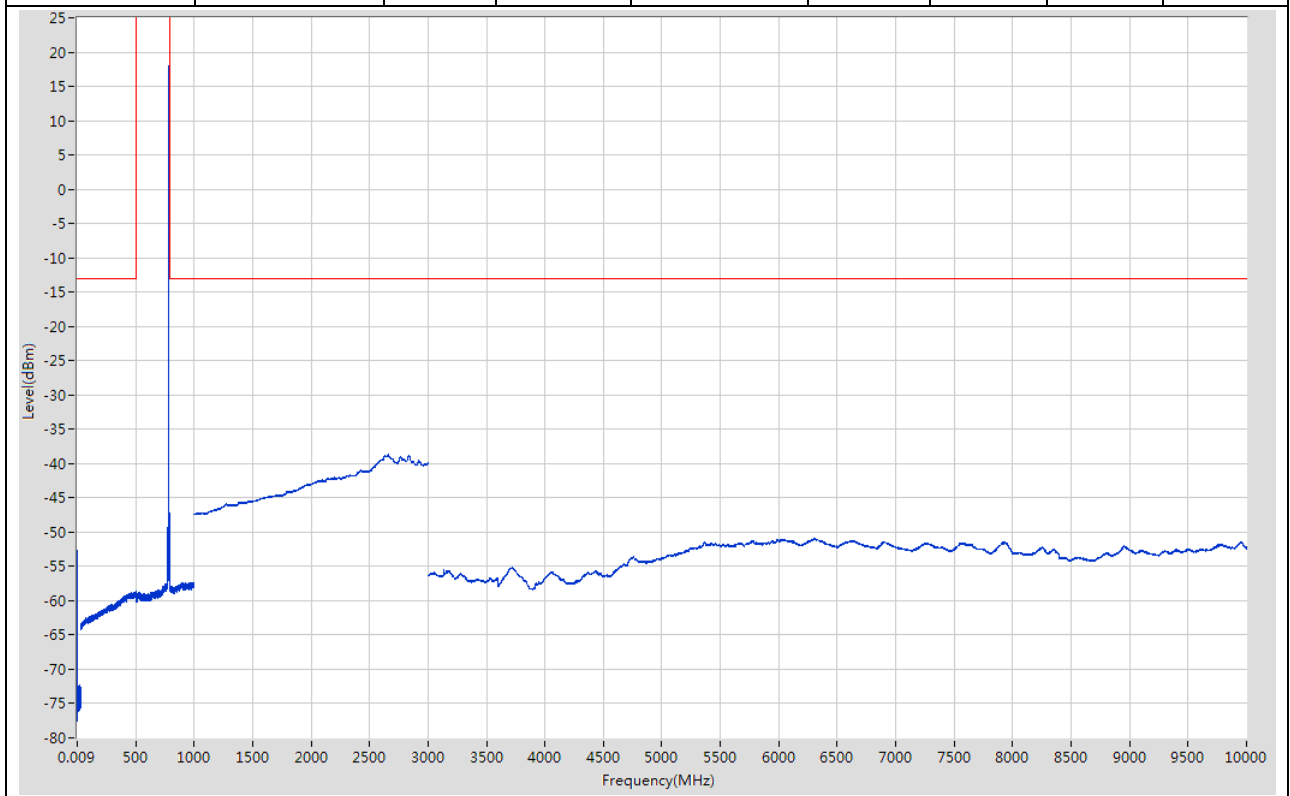
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.2	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.62	-13	Pass	2985
30	500	0.1	RMS	499.8	-58.77	-13	Pass	4700
500	795	0.1	RMS	779.795	17.78	60	Pass	2950
795	1000	0.1	RMS	912.257	-57.35	-13	Pass	2050
1000	3000	1	RMS	2339.67	-33.43	-13	Pass	2000
3000	10000	1	RMS	6310.473	-50.94	-13	Pass	7000





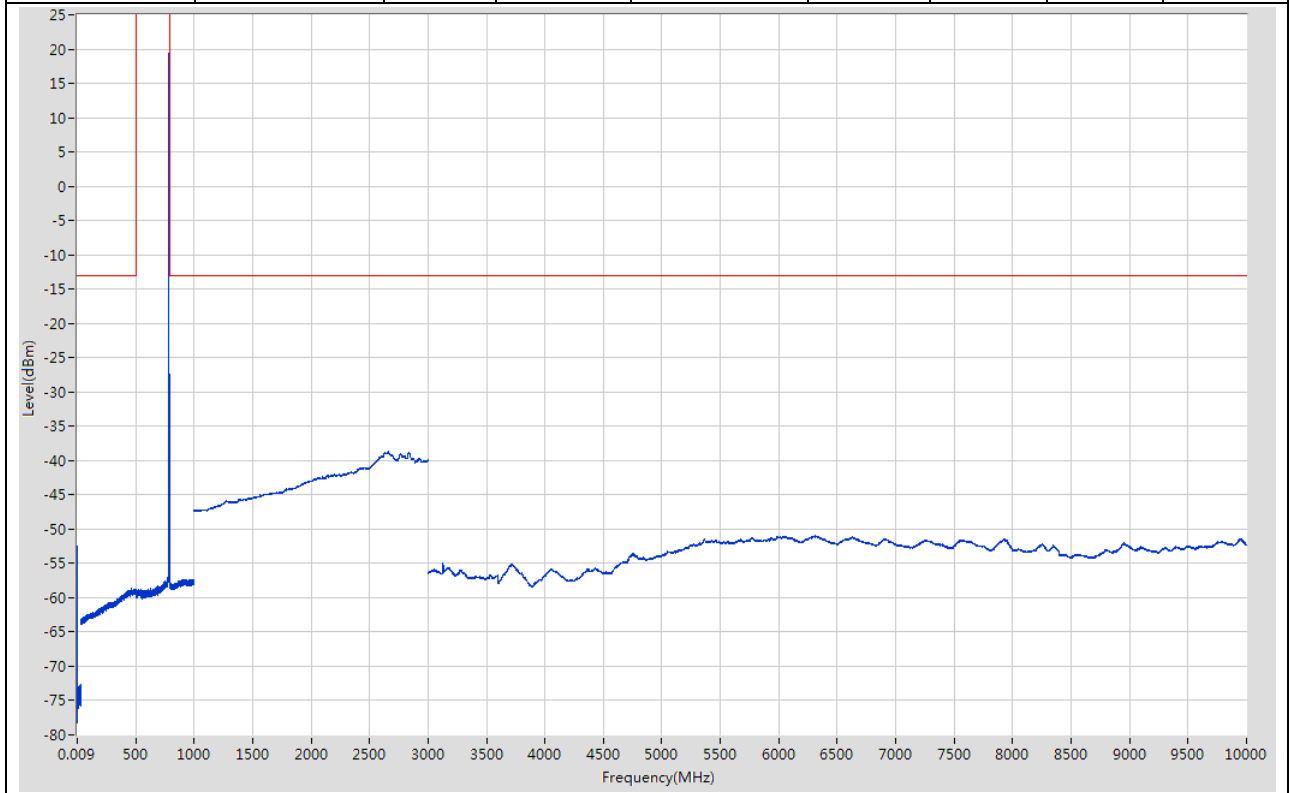
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-53.54	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.68	-13	Pass	2985
30	500	0.1	RMS	499.9	-58.67	-13	Pass	4700
500	795	0.1	RMS	784.196	17.94	60	Pass	2950
795	1000	0.1	RMS	900.351	-57.34	-13	Pass	2050
1000	3000	1	RMS	2660.83	-38.7	-13	Pass	2000
3000	10000	1	RMS	6301.472	-50.95	-13	Pass	7000



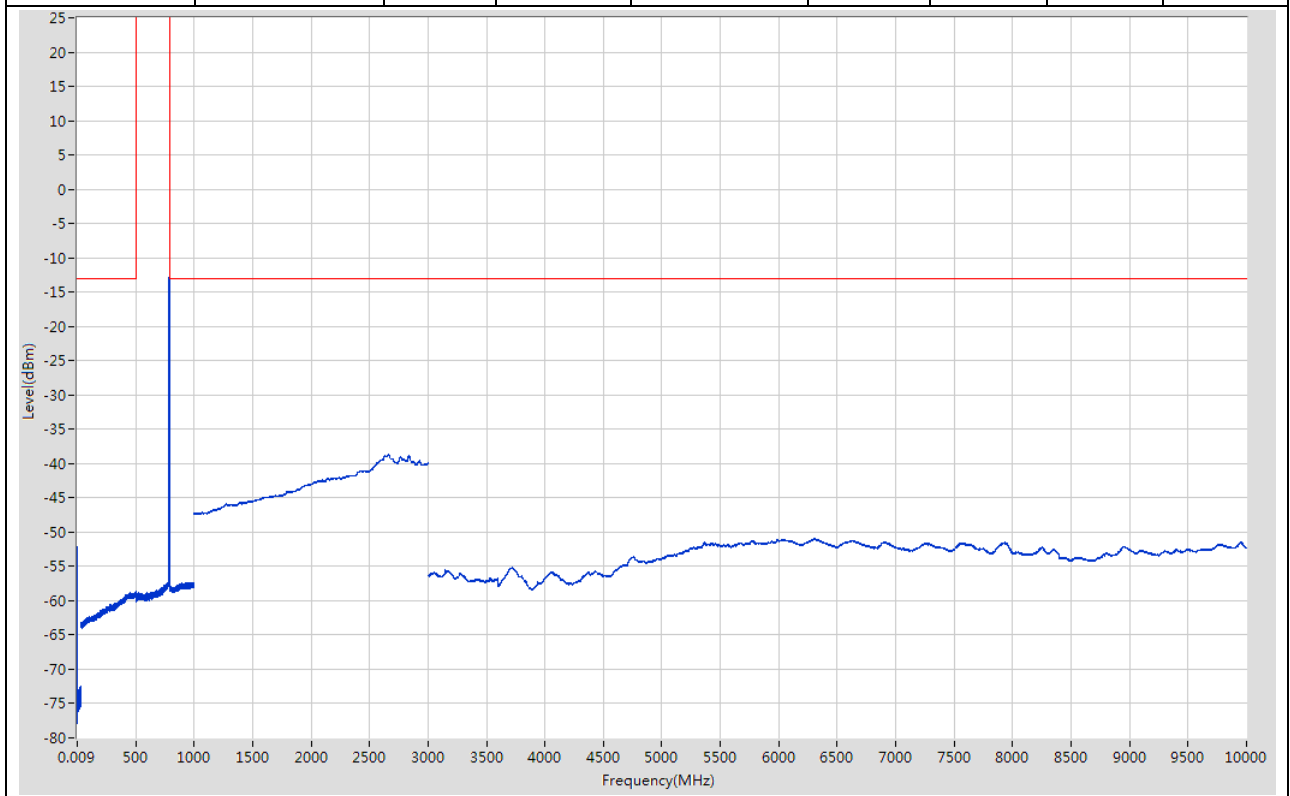
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.011	-53.44	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.55	-13	Pass	2985
30	500	0.1	RMS	467.293	-58.55	-13	Pass	4700
500	795	0.1	RMS	782.296	19.35	60	Pass	2950
795	1000	0.1	RMS	990.896	-57.31	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.71	-13	Pass	2000
3000	10000	1	RMS	6311.473	-50.97	-13	Pass	7000



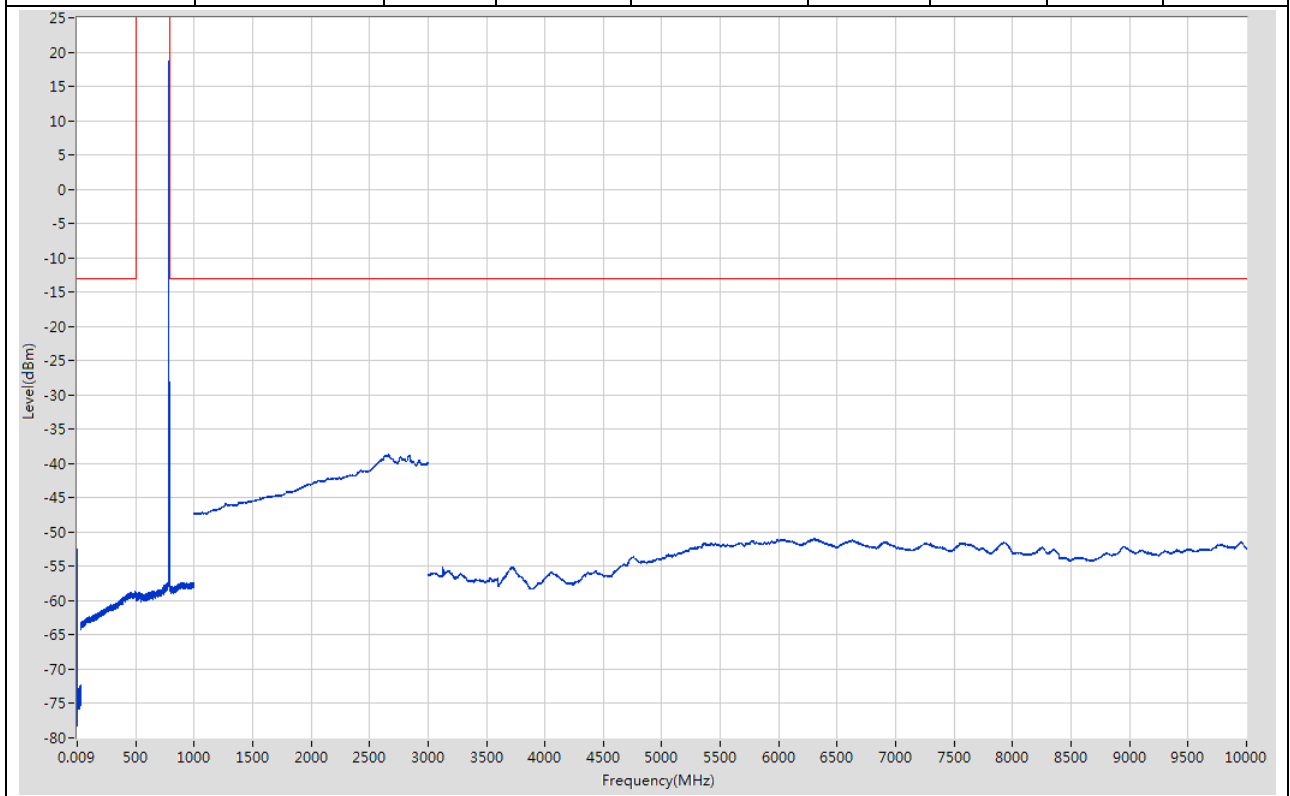
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.009	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.04	-13	Pass	2985
30	500	0.1	RMS	500	-58.66	-13	Pass	4700
500	795	0.1	RMS	786.697	18.5	60	Pass	2950
795	1000	0.1	RMS	980.29	-57.35	-13	Pass	2050
1000	3000	1	RMS	2661.831	-38.71	-13	Pass	2000
3000	10000	1	RMS	6300.471	-50.96	-13	Pass	7000



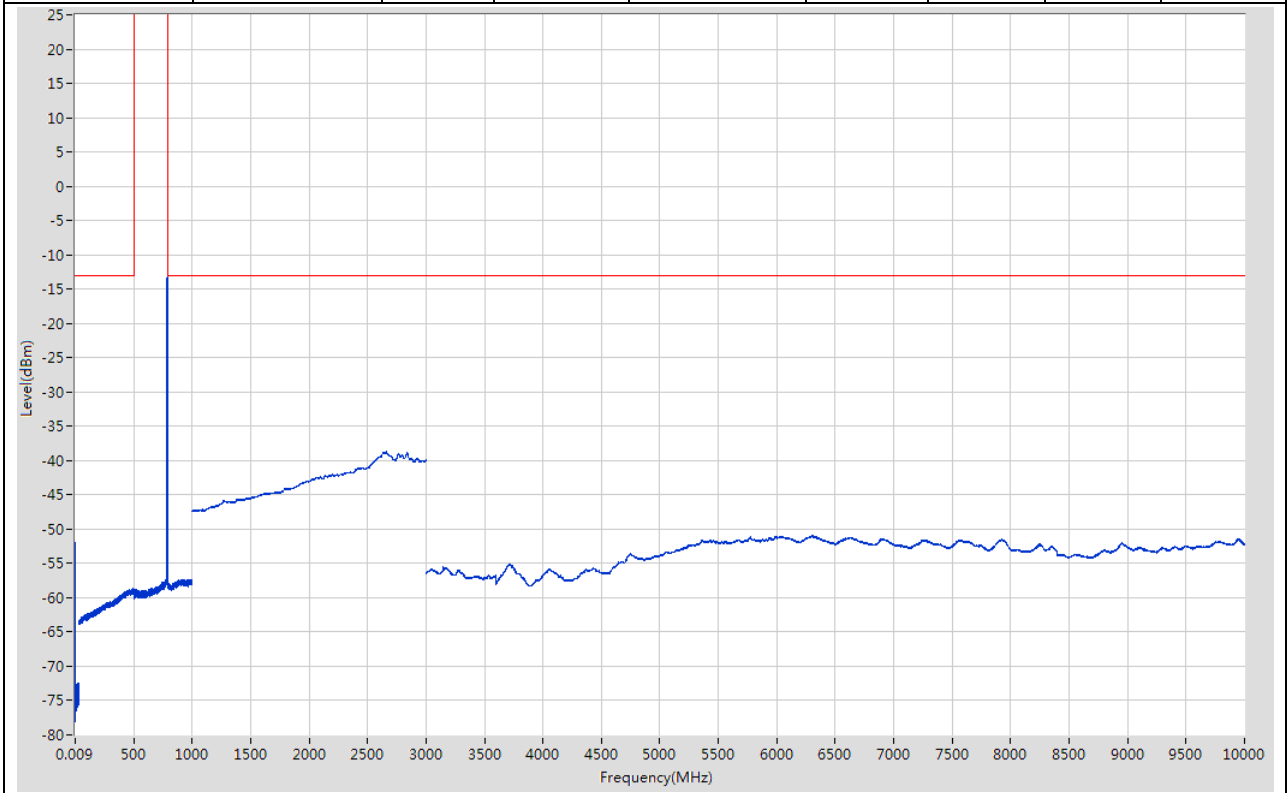
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	0.01	-53.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.52	-13	Pass	2985
30	500	0.1	RMS	492.898	-58.67	-13	Pass	4700
500	795	0.1	RMS	782.296	18.65	60	Pass	2950
795	1000	0.1	RMS	904.153	-57.35	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.67	-13	Pass	2000
3000	10000	1	RMS	6306.472	-50.91	-13	Pass	7000



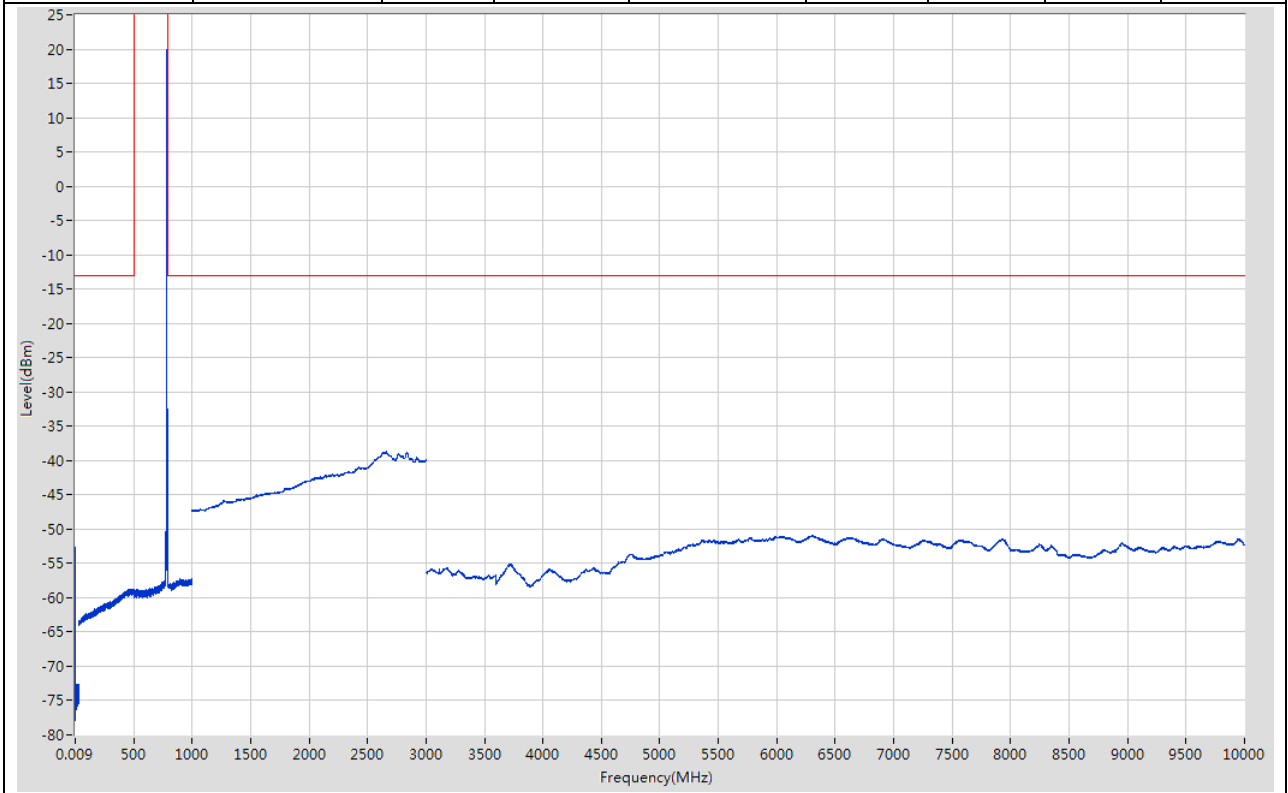
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-53.12	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.92	-13	Pass	2985
30	500	0.1	RMS	495.099	-58.63	-13	Pass	4700
500	795	0.1	RMS	786.697	18.03	60	Pass	2950
795	1000	0.1	RMS	990.495	-57.32	-13	Pass	2050
1000	3000	1	RMS	2657.829	-38.7	-13	Pass	2000
3000	10000	1	RMS	6296.471	-50.96	-13	Pass	7000



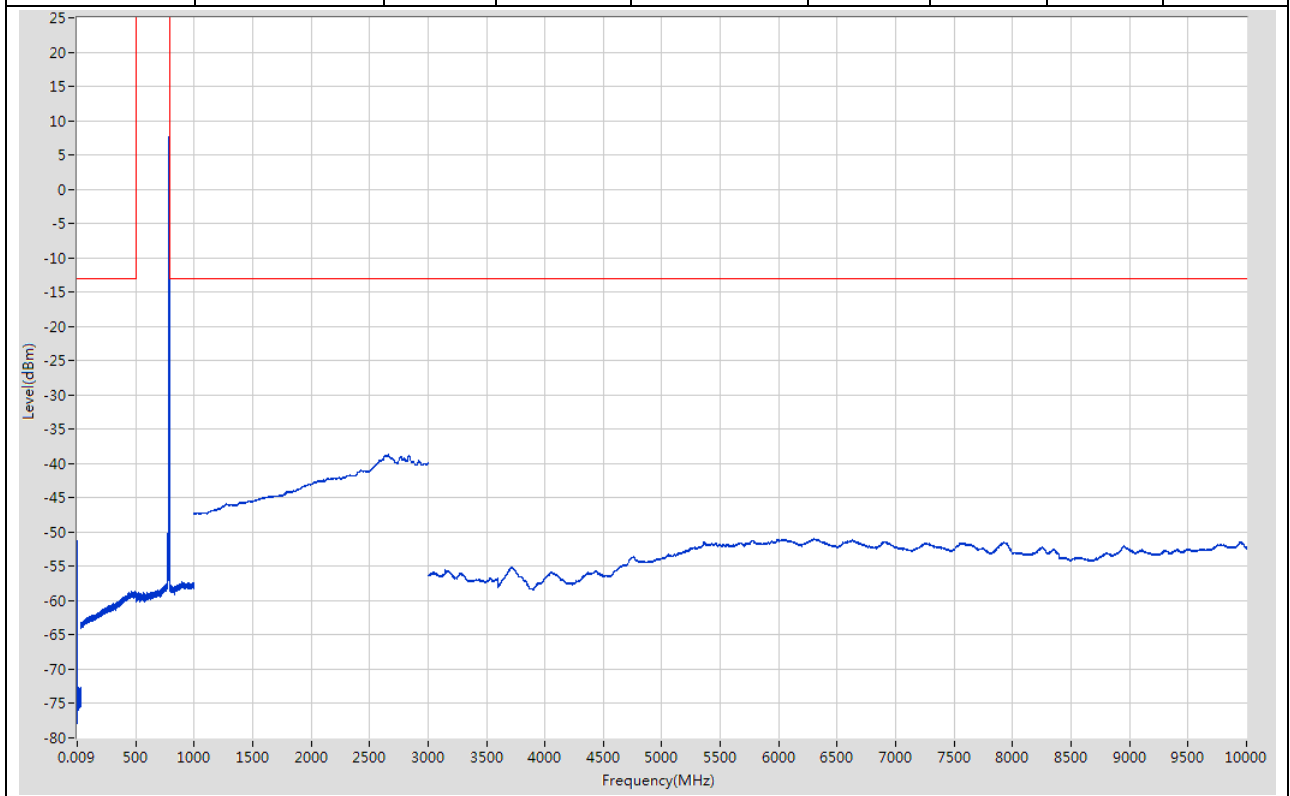
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.011	-54.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.62	-13	Pass	2985
30	500	0.1	RMS	458.991	-58.71	-13	Pass	4700
500	795	0.1	RMS	777.594	20	60	Pass	2950
795	1000	0.1	RMS	795.2	-54.59	-13	Pass	2050
1000	3000	1	RMS	2657.829	-38.69	-13	Pass	2000
3000	10000	1	RMS	6305.472	-50.97	-13	Pass	7000



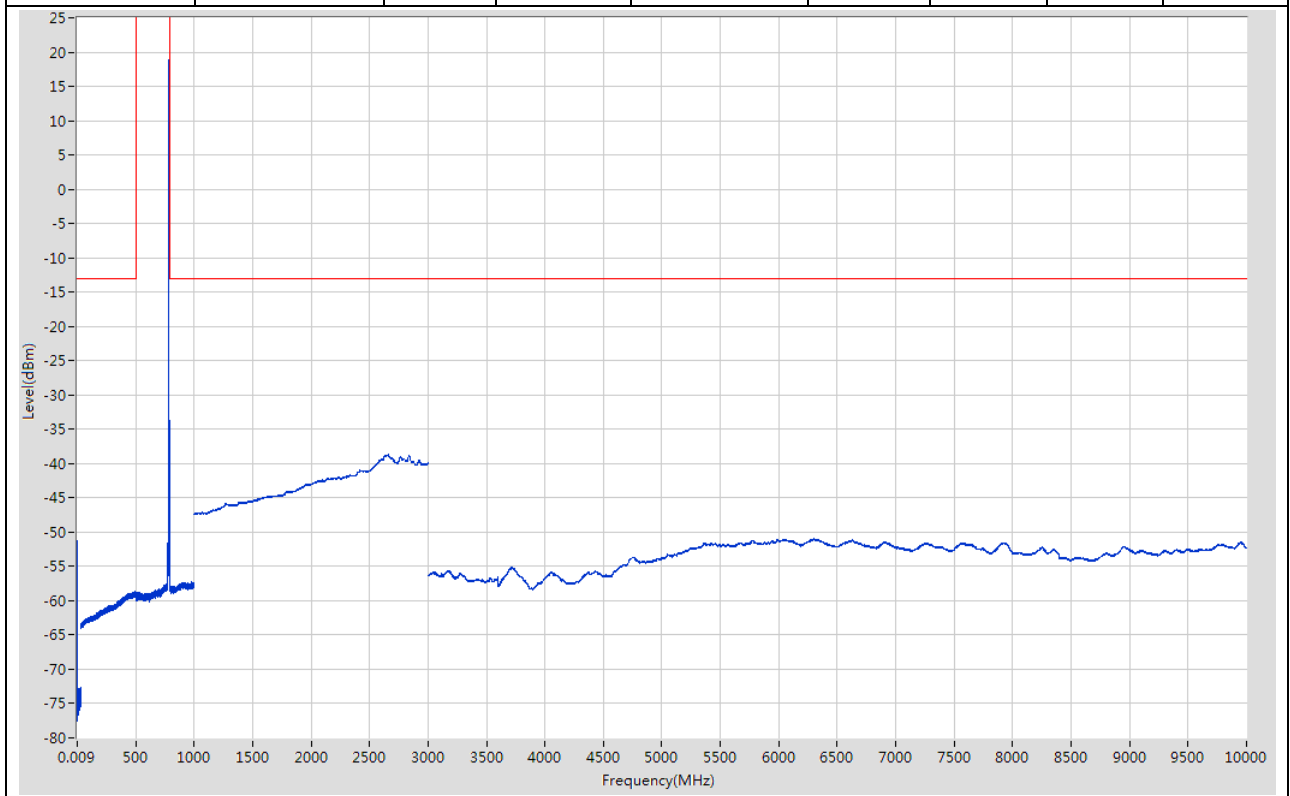
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.01	-52.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.22	-13	Pass	2985
30	500	0.1	RMS	489.098	-58.58	-13	Pass	4700
500	795	0.1	RMS	786.397	19.16	60	Pass	2950
795	1000	0.1	RMS	795.2	-47.39	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.67	-13	Pass	2000
3000	10000	1	RMS	6299.471	-50.89	-13	Pass	7000



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

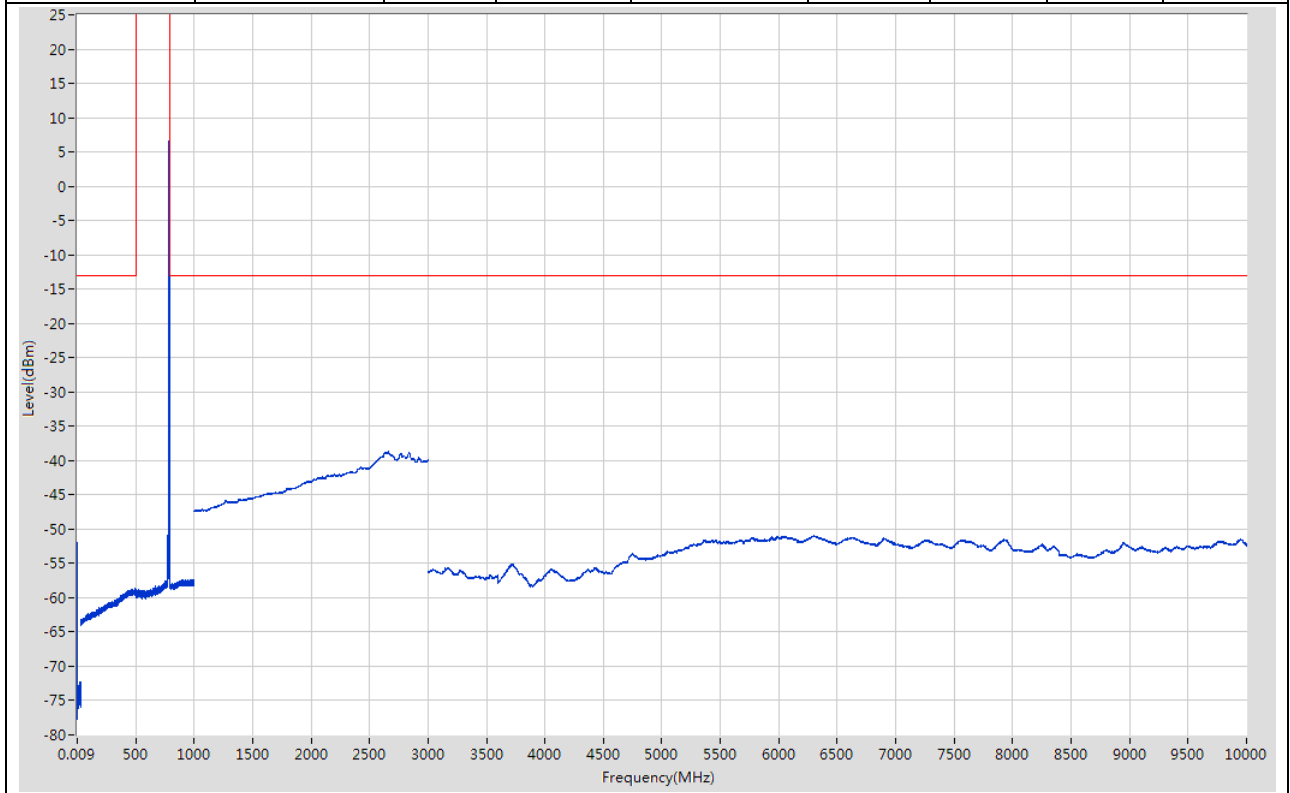
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.84	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.27	-13	Pass	2985
30	500	0.1	RMS	494.999	-58.6	-13	Pass	4700
500	795	0.1	RMS	777.594	18.9	60	Pass	2950
795	1000	0.1	RMS	795.2	-54.24	-13	Pass	2050
1000	3000	1	RMS	2658.829	-38.68	-13	Pass	2000
3000	10000	1	RMS	6301.472	-50.95	-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	-53.35	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.99	-13	Pass	2985
30	500	0.1	RMS	497.599	-58.62	-13	Pass	4700
500	795	0.1	RMS	786.397	18.52	60	Pass	2950
795	1000	0.1	RMS	795.2	-49.03	-13	Pass	2050
1000	3000	1	RMS	2660.83	-38.65	-13	Pass	2000
3000	10000	1	RMS	6303.472	-50.95	-13	Pass	7000



END