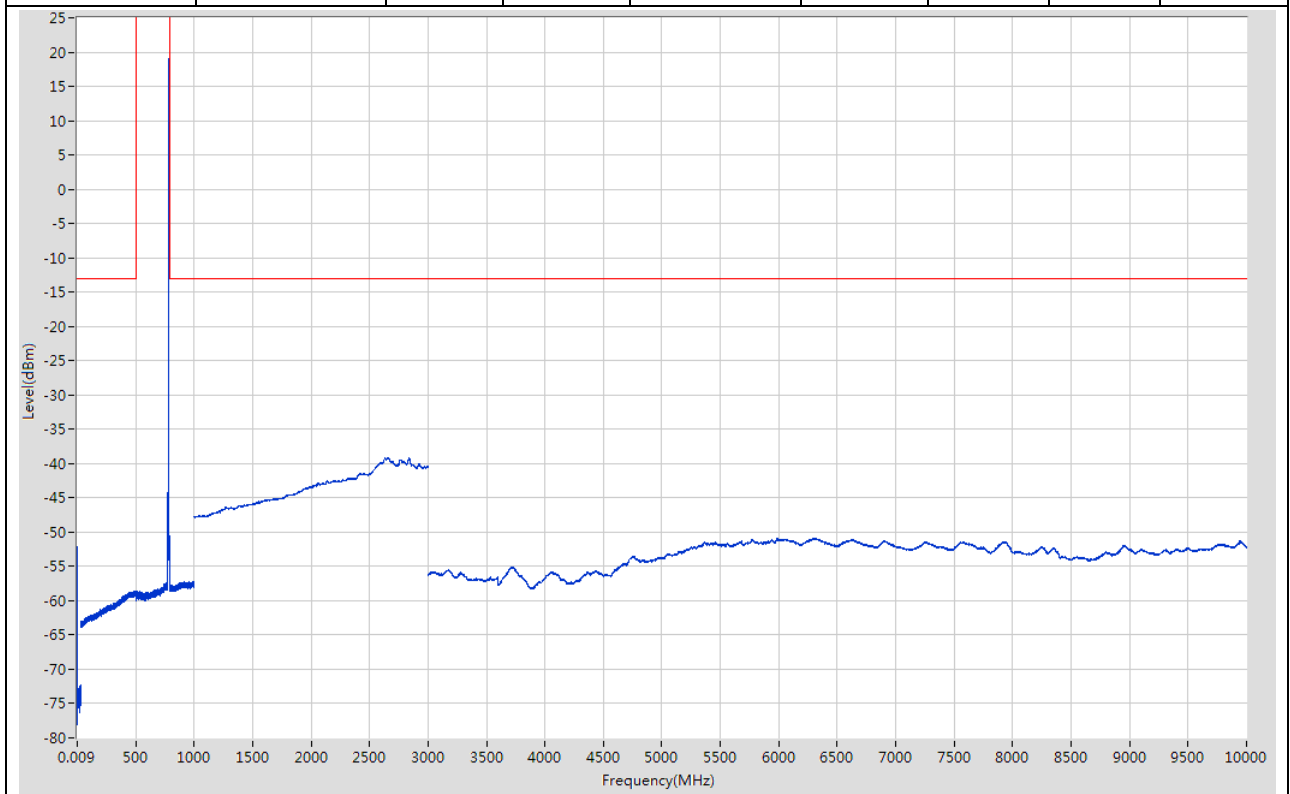


# Annex C. LTE Transmitter Spurious Emissions

# 1. LTE\_Band13

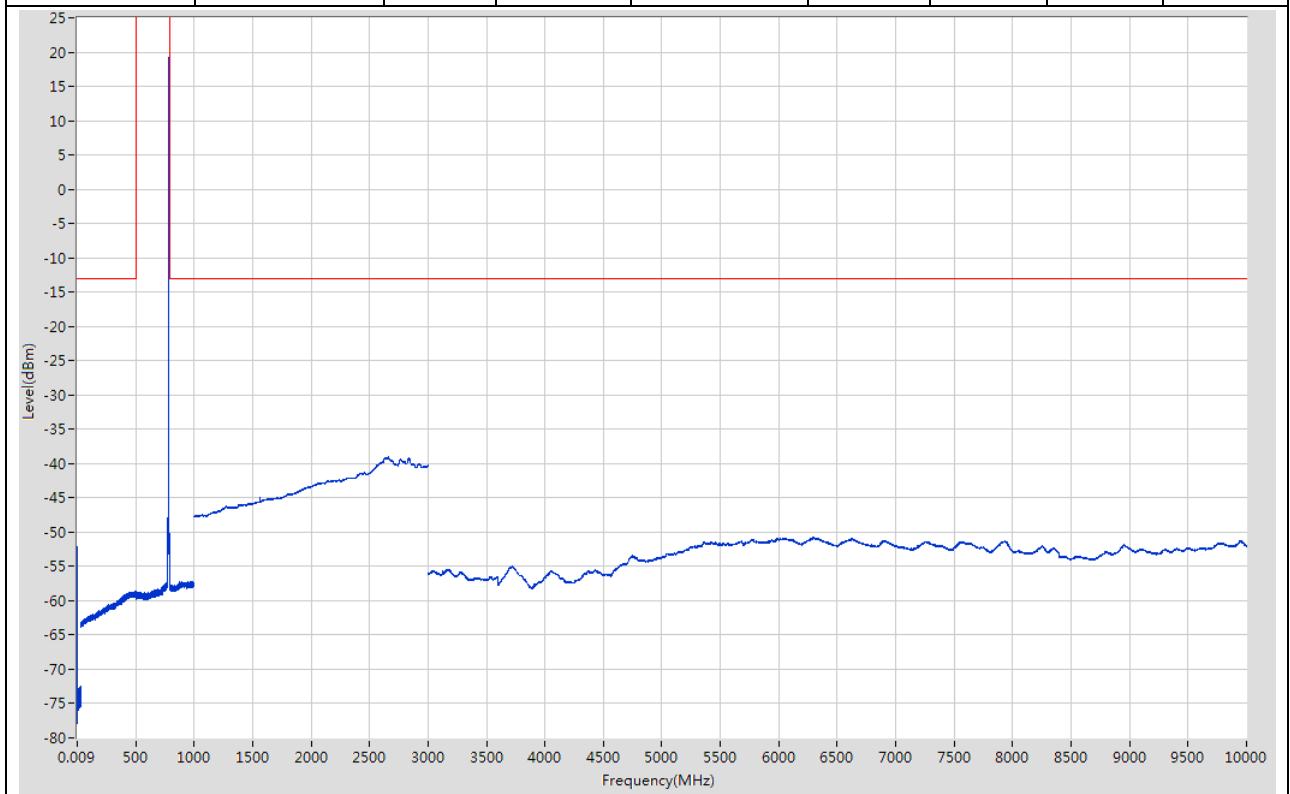
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.46	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.1	-13	Pass	2985
30	500	0.1	RMS	498.7	-58.61	-13	Pass	4700
500	795	0.1	RMS	777.294	18.96	60	Pass	2950
795	1000	0.1	RMS	984.592	-57.18	-13	Pass	2050
1000	3000	1	RMS	2660.83	-39.15	-13	Pass	2000
3000	10000	1	RMS	6305.472	-50.85	-13	Pass	7000



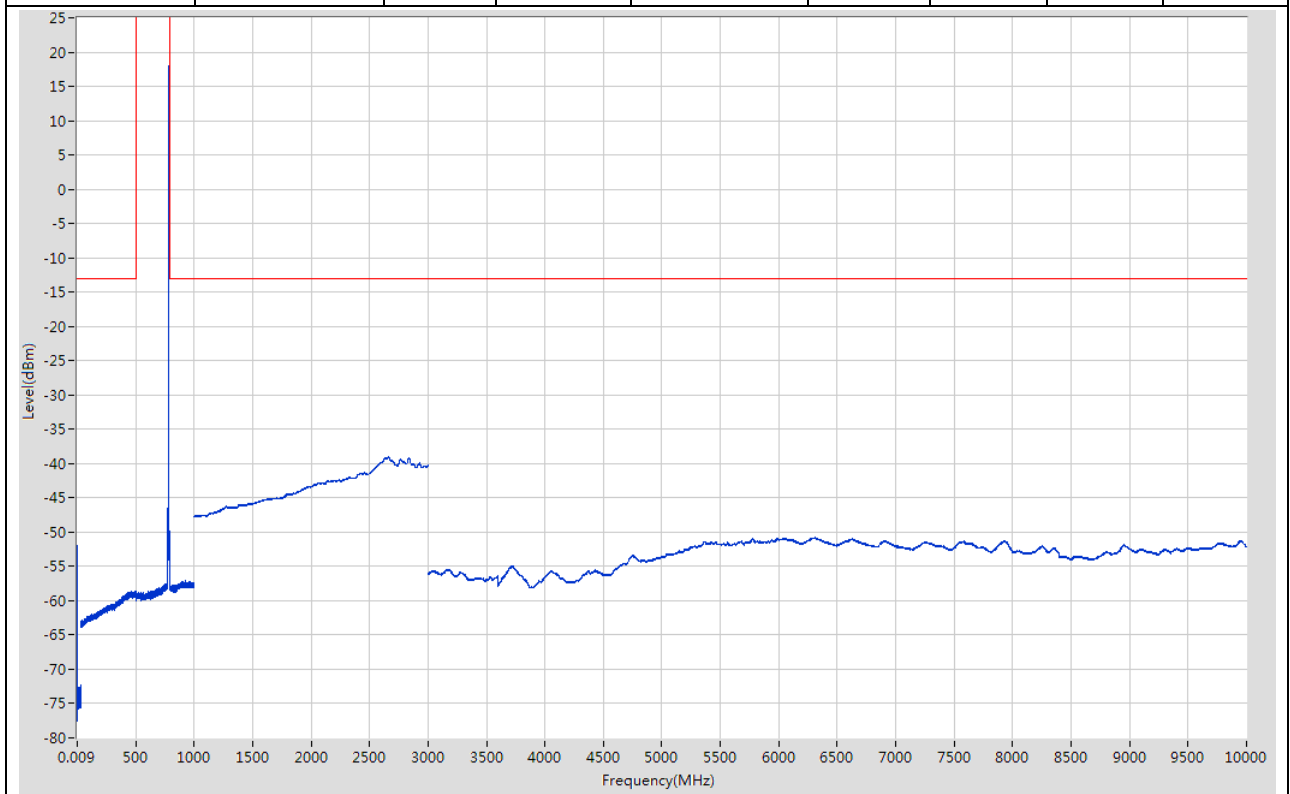
### 1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	0.009	-53.56	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.2	-13	Pass	2985
30	500	0.1	RMS	497.399	-58.54	-13	Pass	4700
500	795	0.1	RMS	781.695	19.19	60	Pass	2950
795	1000	0.1	RMS	894.148	-57.18	-13	Pass	2050
1000	3000	1	RMS	2658.829	-39.04	-13	Pass	2000
3000	10000	1	RMS	6298.471	-50.75	-13	Pass	7000



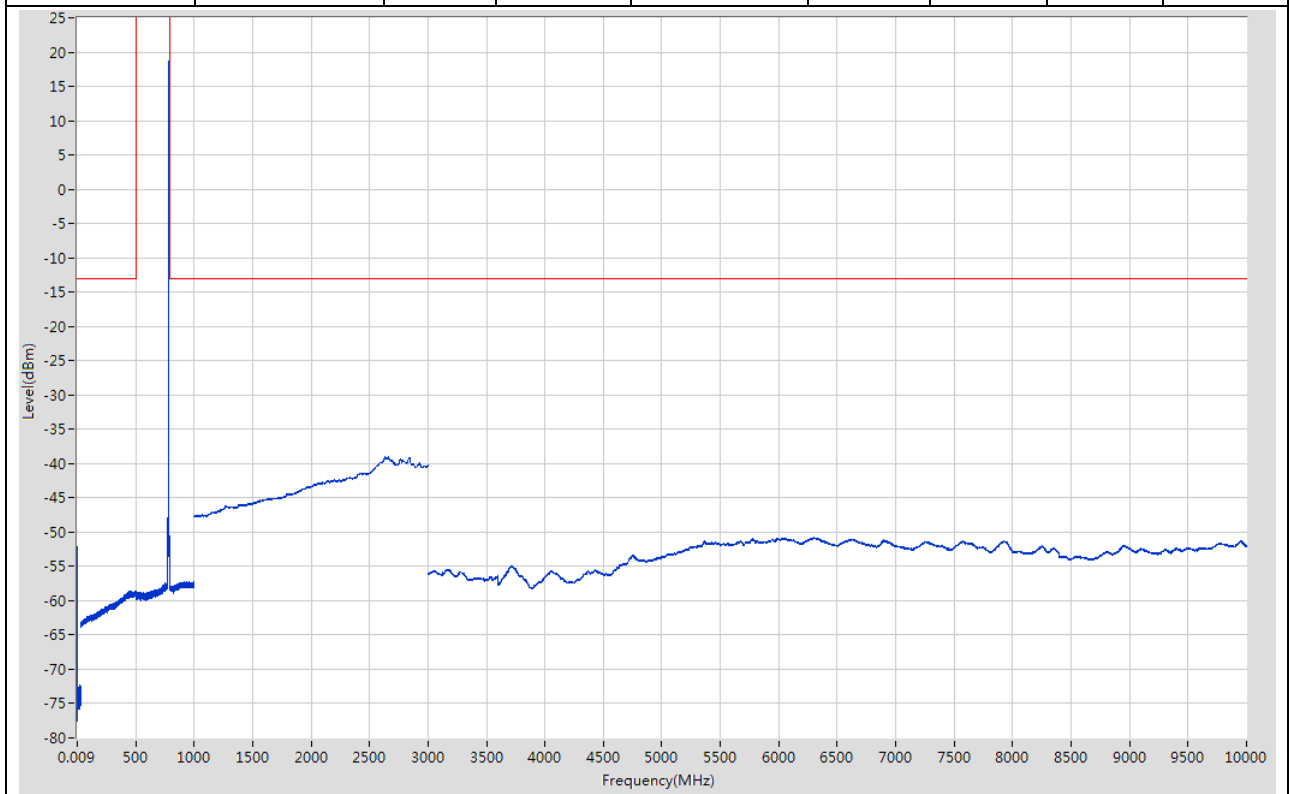
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-52.27	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.94	-13	Pass	2985
30	500	0.1	RMS	496.299	-58.59	-13	Pass	4700
500	795	0.1	RMS	777.294	18.08	60	Pass	2950
795	1000	0.1	RMS	920.961	-57.09	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.04	-13	Pass	2000
3000	10000	1	RMS	6311.473	-50.8	-13	Pass	7000



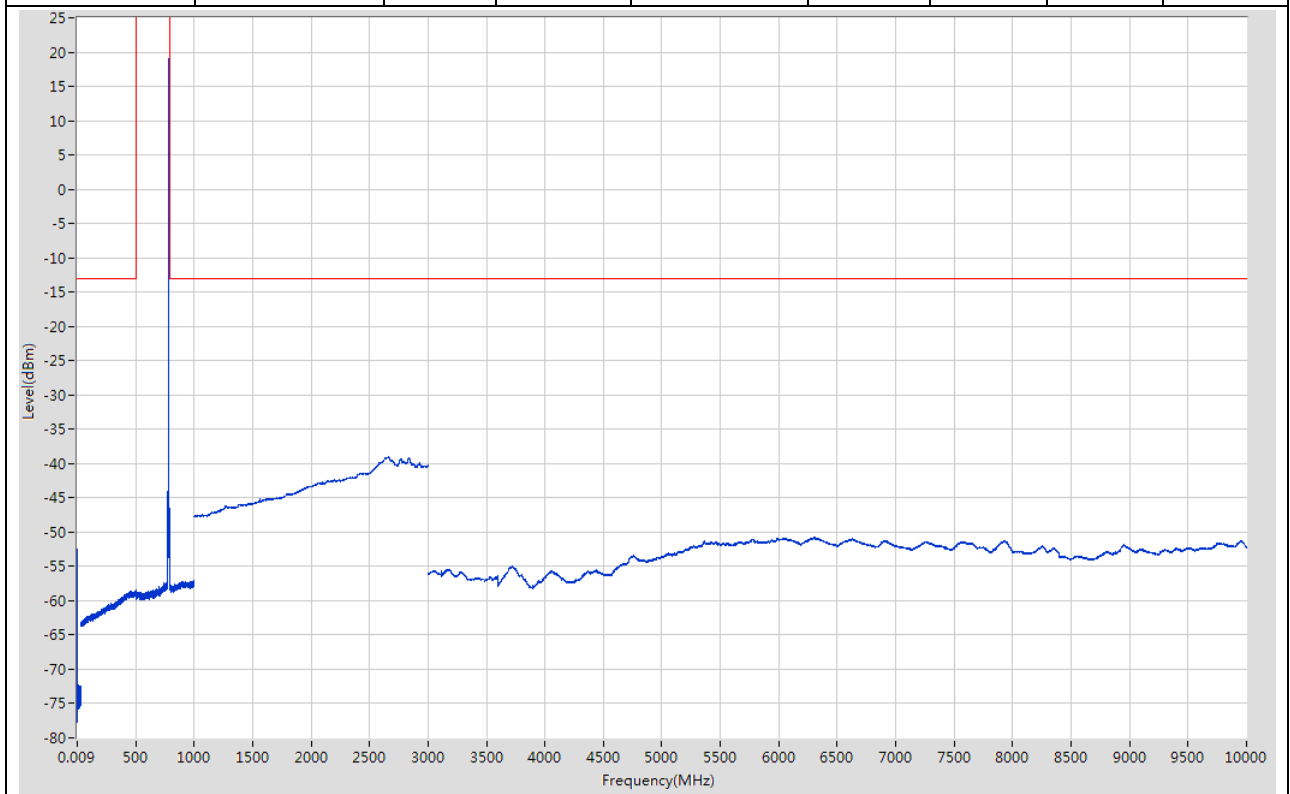
### 1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

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	-53.44	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.13	-13	Pass	2985
30	500	0.1	RMS	499.6	-58.58	-13	Pass	4700
500	795	0.1	RMS	781.695	18.65	60	Pass	2950
795	1000	0.1	RMS	952.477	-57.15	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.98	-13	Pass	2000
3000	10000	1	RMS	6301.472	-50.75	-13	Pass	7000



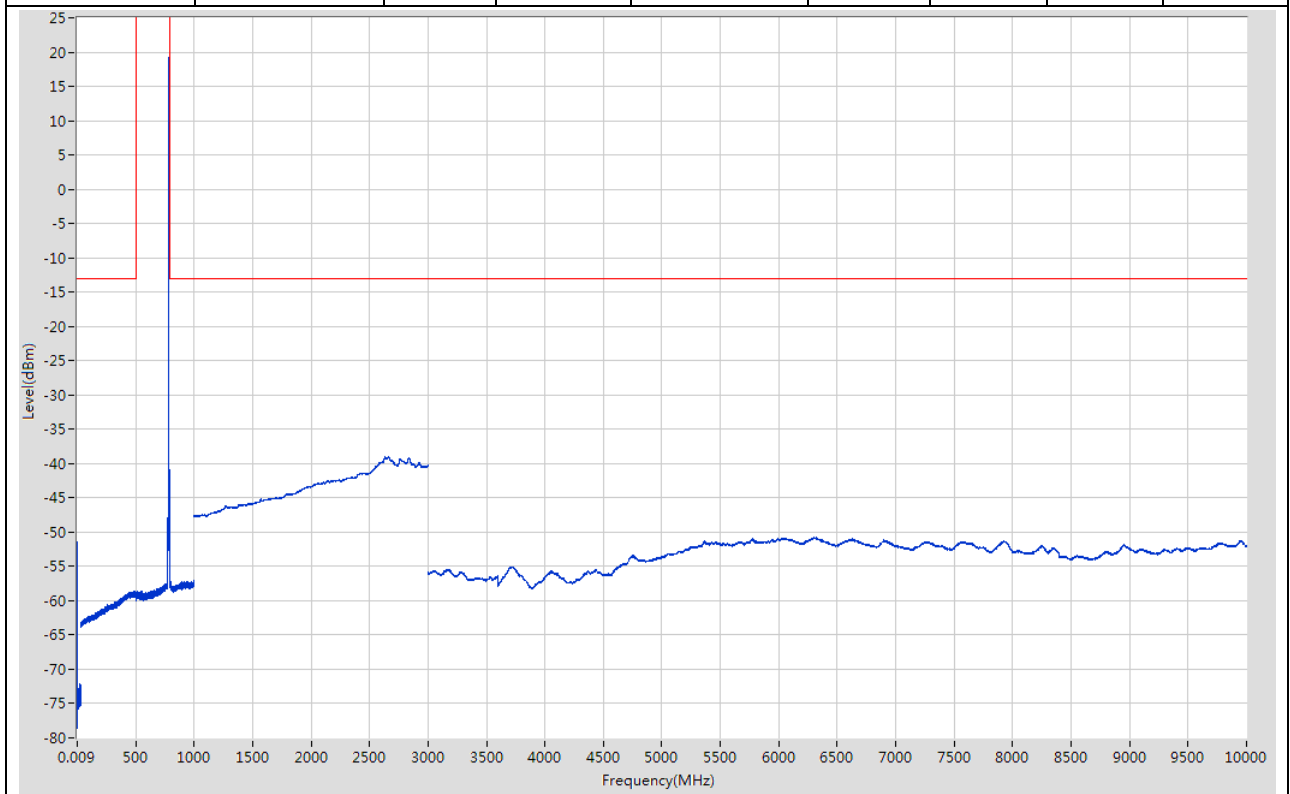
### 1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.14	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.54	-13	Pass	2985
30	500	0.1	RMS	499.6	-58.46	-13	Pass	4700
500	795	0.1	RMS	779.795	18.97	60	Pass	2950
795	1000	0.1	RMS	999.6	-57.09	-13	Pass	2050
1000	3000	1	RMS	2658.829	-39.01	-13	Pass	2000
3000	10000	1	RMS	6315.474	-50.76	-13	Pass	7000



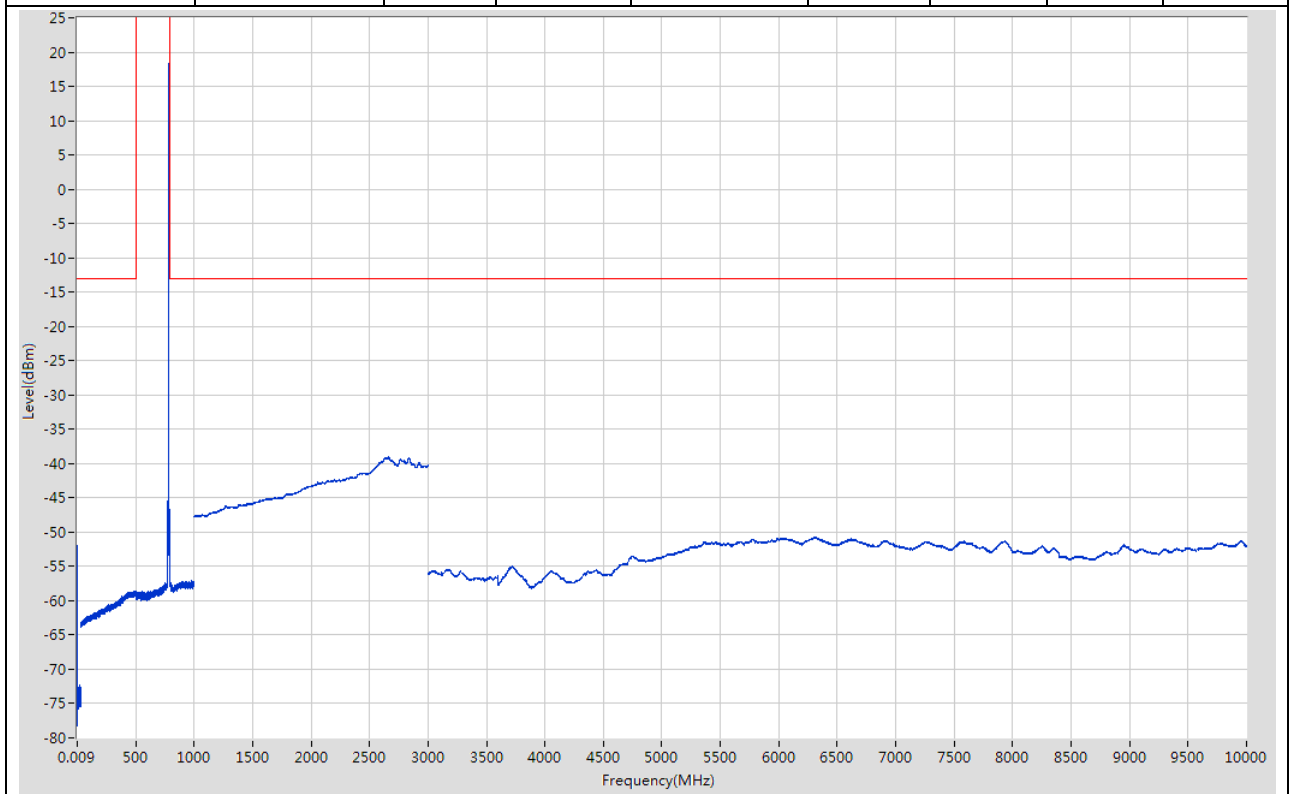
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.009	-53.36	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.48	-13	Pass	2985
30	500	0.1	RMS	488.097	-58.55	-13	Pass	4700
500	795	0.1	RMS	784.196	19.14	60	Pass	2950
795	1000	0.1	RMS	795.2	-55.3	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.98	-13	Pass	2000
3000	10000	1	RMS	6300.471	-50.79	-13	Pass	7000



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

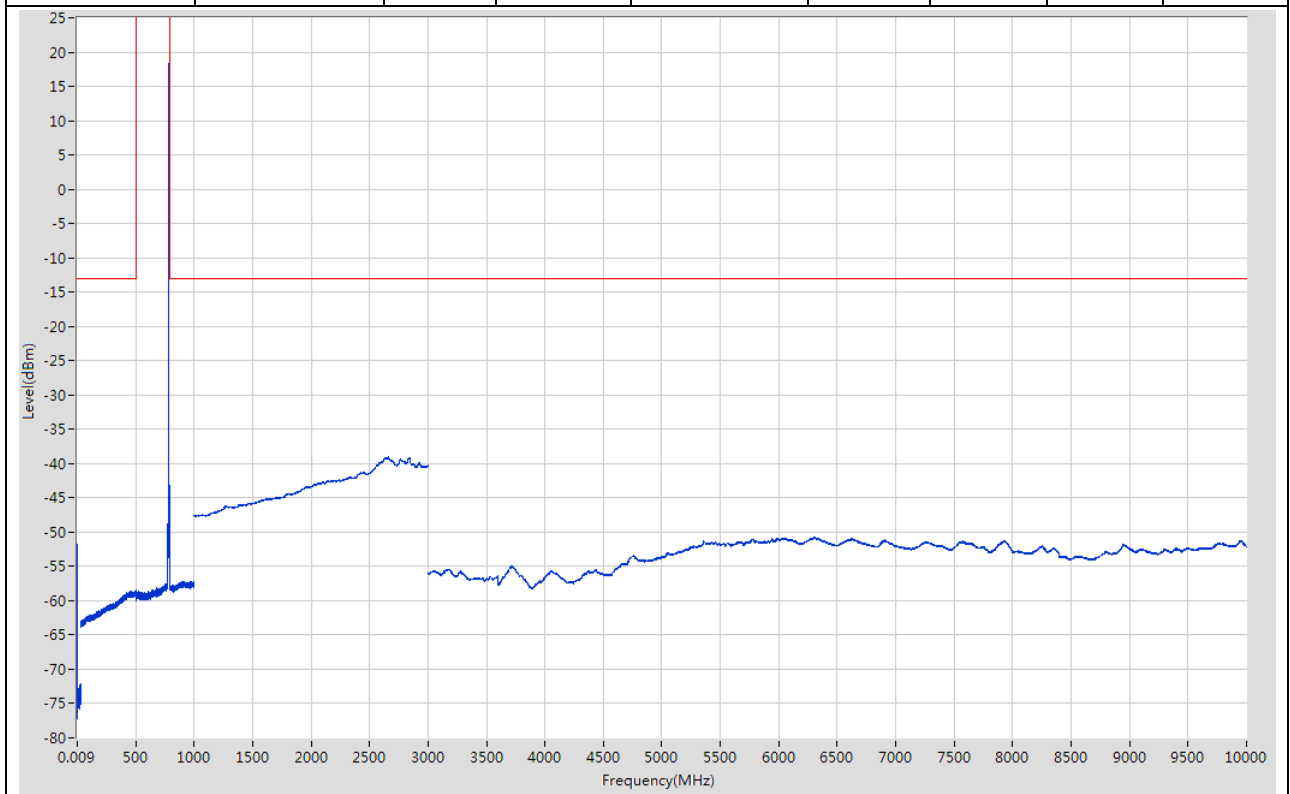
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.18	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.93	-13	Pass	2985
30	500	0.1	RMS	495.999	-58.59	-13	Pass	4700
500	795	0.1	RMS	779.795	18.3	60	Pass	2950
795	1000	0.1	RMS	795.2	-54.99	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.01	-13	Pass	2000
3000	10000	1	RMS	6298.471	-50.77	-13	Pass	7000





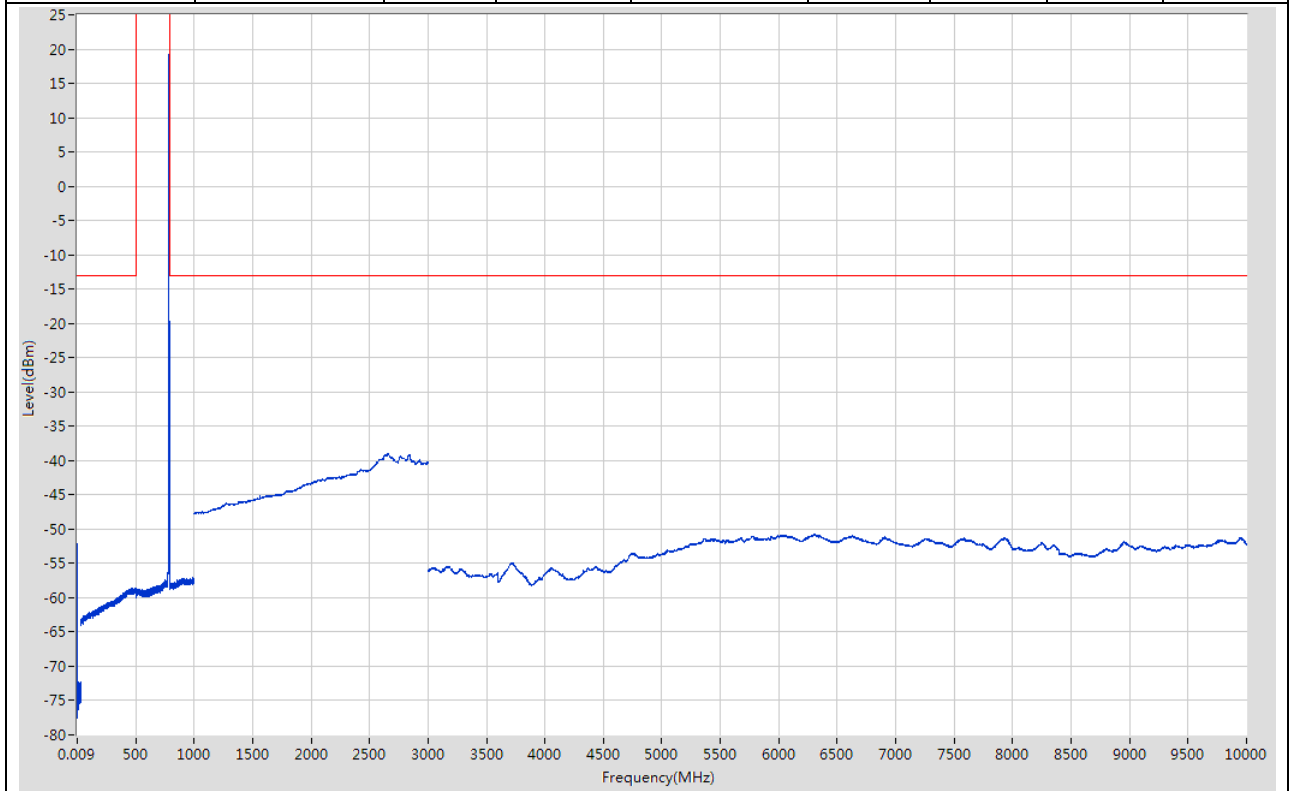
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.01	-53.83	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.86	-13	Pass	2985
30	500	0.1	RMS	498.7	-58.53	-13	Pass	4700
500	795	0.1	RMS	784.196	18.26	60	Pass	2950
795	1000	0.1	RMS	998.399	-57.2	-13	Pass	2050
1000	3000	1	RMS	2660.83	-38.98	-13	Pass	2000
3000	10000	1	RMS	6300.471	-50.75	-13	Pass	7000



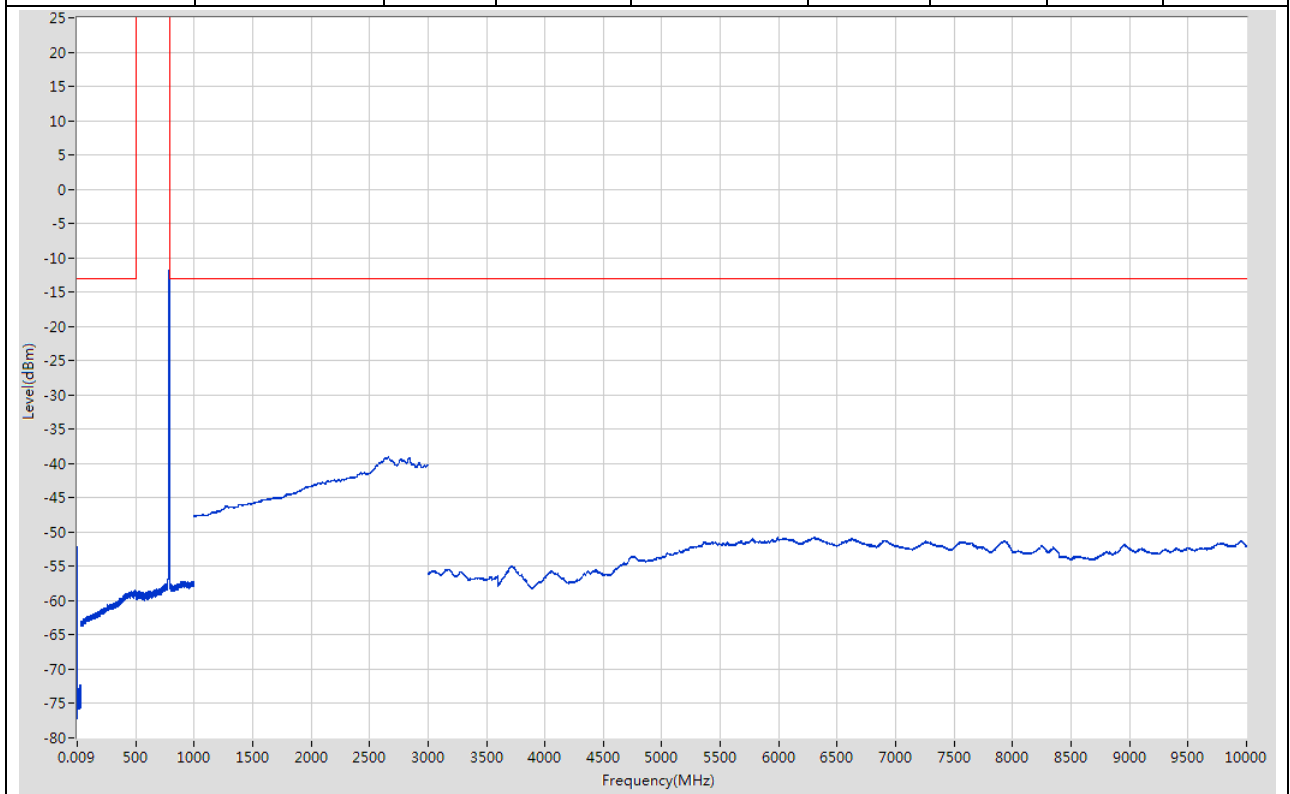
### 1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.15	-13	Pass	2985
30	500	0.1	RMS	494.899	-58.57	-13	Pass	4700
500	795	0.1	RMS	782.296	19.2	60	Pass	2950
795	1000	0.1	RMS	991.496	-57.08	-13	Pass	2050
1000	3000	1	RMS	2660.83	-39.01	-13	Pass	2000
3000	10000	1	RMS	6305.472	-50.75	-13	Pass	7000



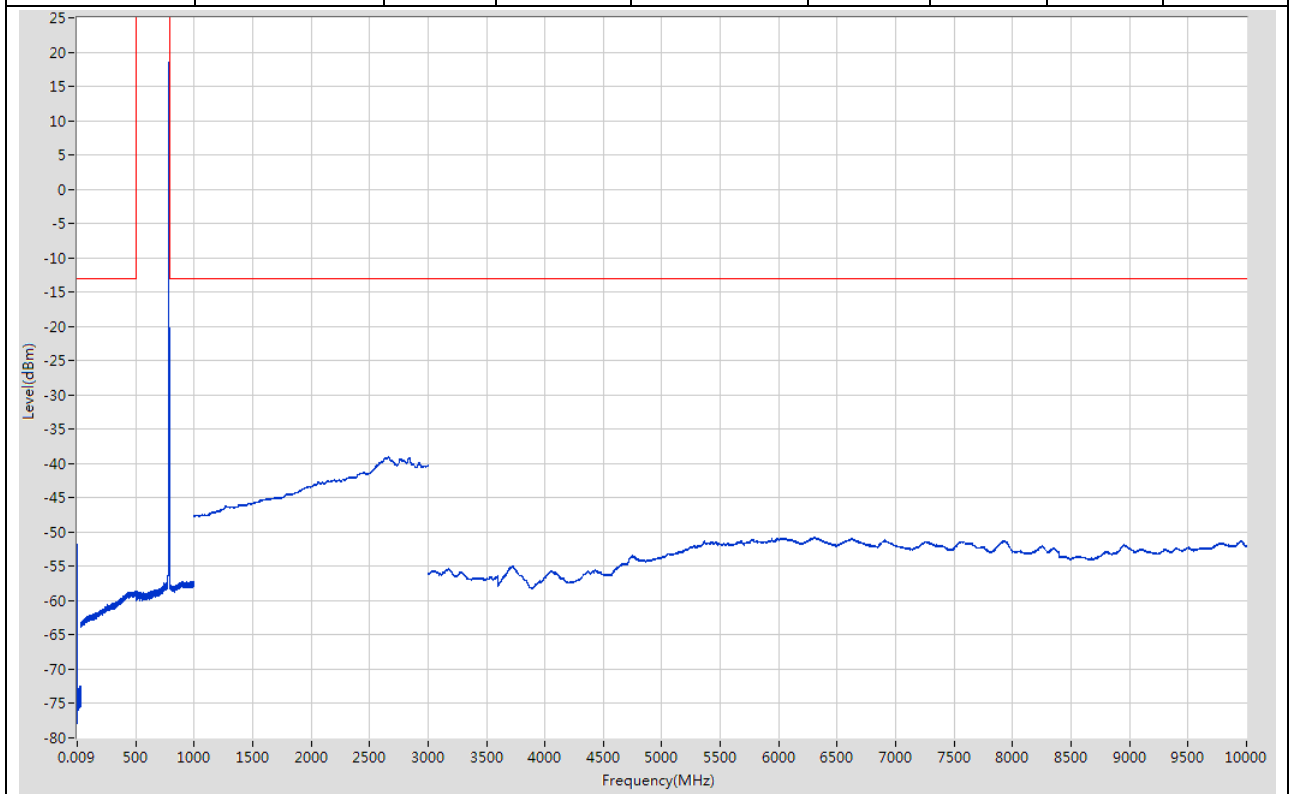
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.9	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.05	-13	Pass	2985
30	500	0.1	RMS	498.1	-58.5	-13	Pass	4700
500	795	0.1	RMS	786.697	19.05	60	Pass	2950
795	1000	0.1	RMS	996.098	-57.2	-13	Pass	2050
1000	3000	1	RMS	2657.829	-39	-13	Pass	2000
3000	10000	1	RMS	6302.472	-50.75	-13	Pass	7000



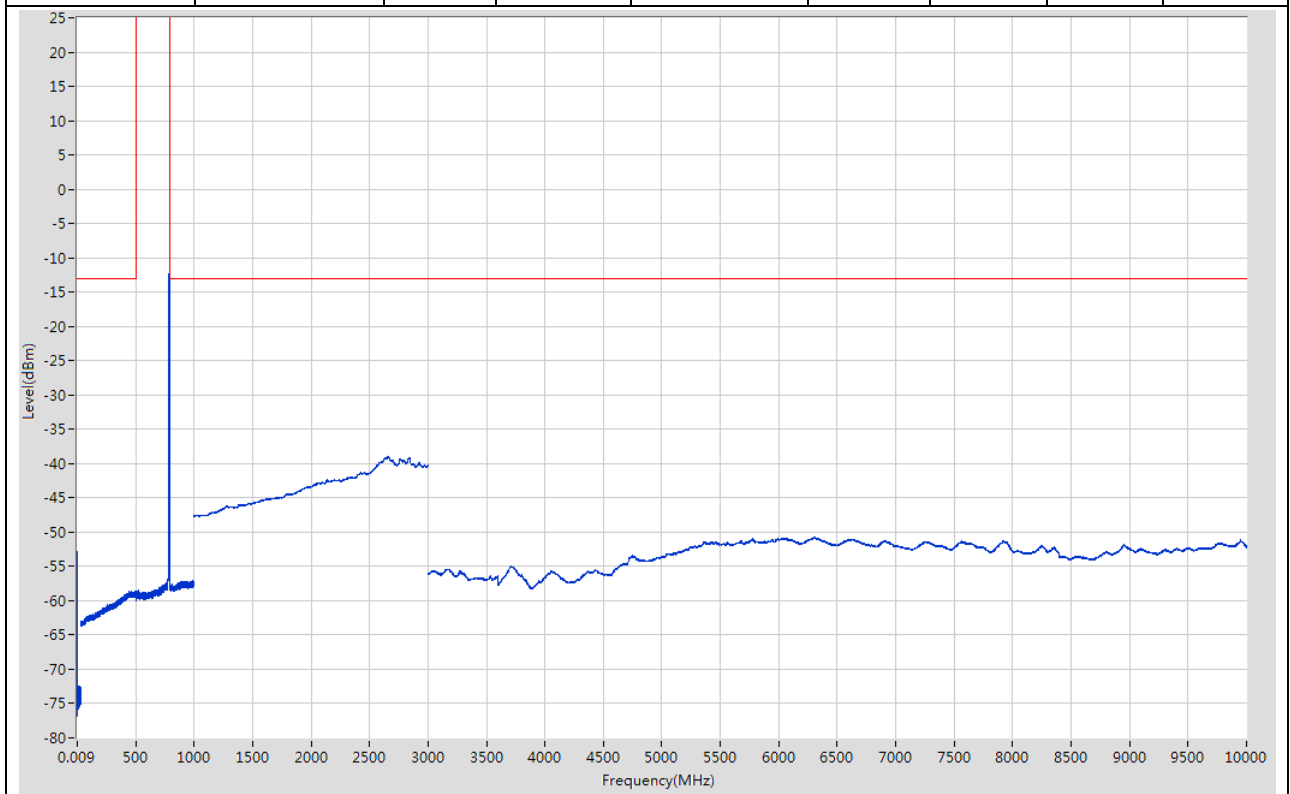
### 1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	-53.27	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.74	-13	Pass	2985
30	500	0.1	RMS	499.8	-58.59	-13	Pass	4700
500	795	0.1	RMS	782.296	18.53	60	Pass	2950
795	1000	0.1	RMS	962.982	-57.18	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.01	-13	Pass	2000
3000	10000	1	RMS	6299.471	-50.78	-13	Pass	7000



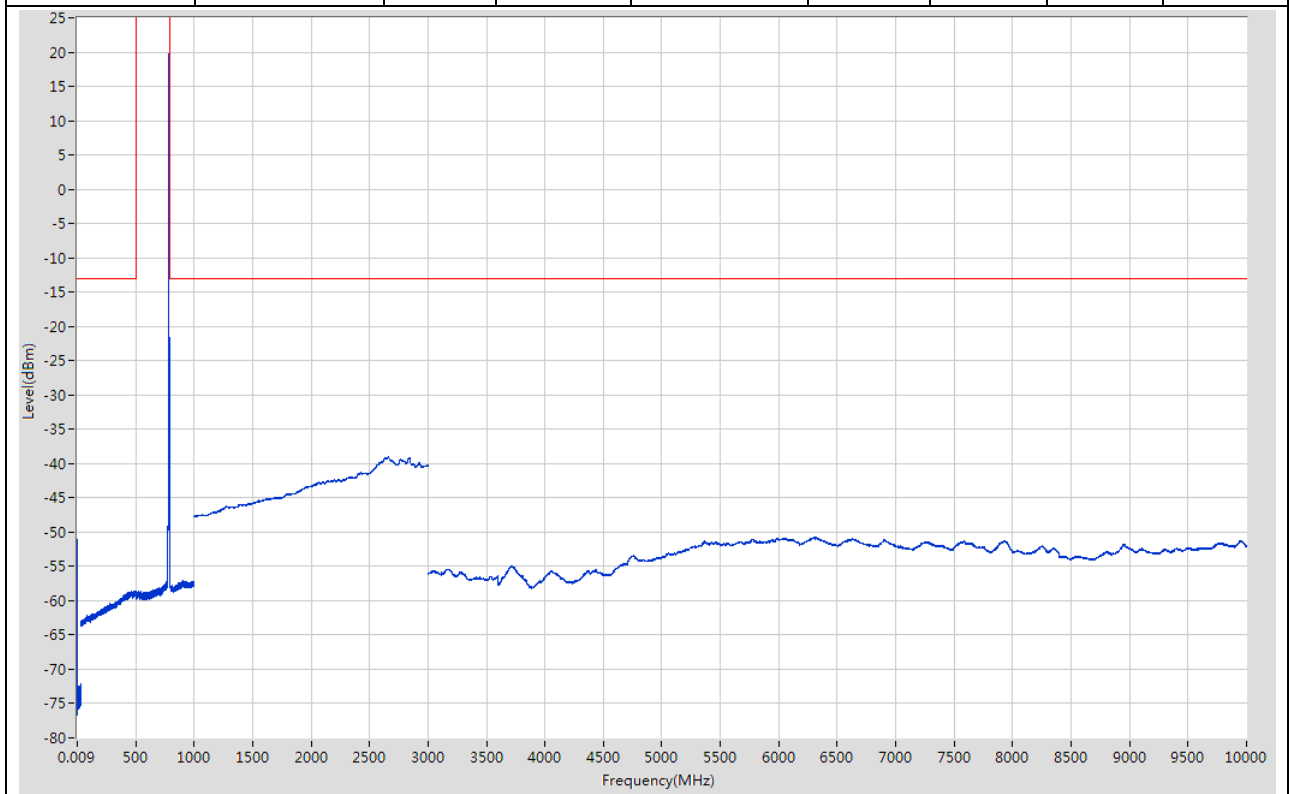
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-52.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.8	-13	Pass	2985
30	500	0.1	RMS	496.799	-58.61	-13	Pass	4700
500	795	0.1	RMS	786.697	18.5	60	Pass	2950
795	1000	0.1	RMS	981.691	-57.12	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.99	-13	Pass	2000
3000	10000	1	RMS	6302.472	-50.79	-13	Pass	7000



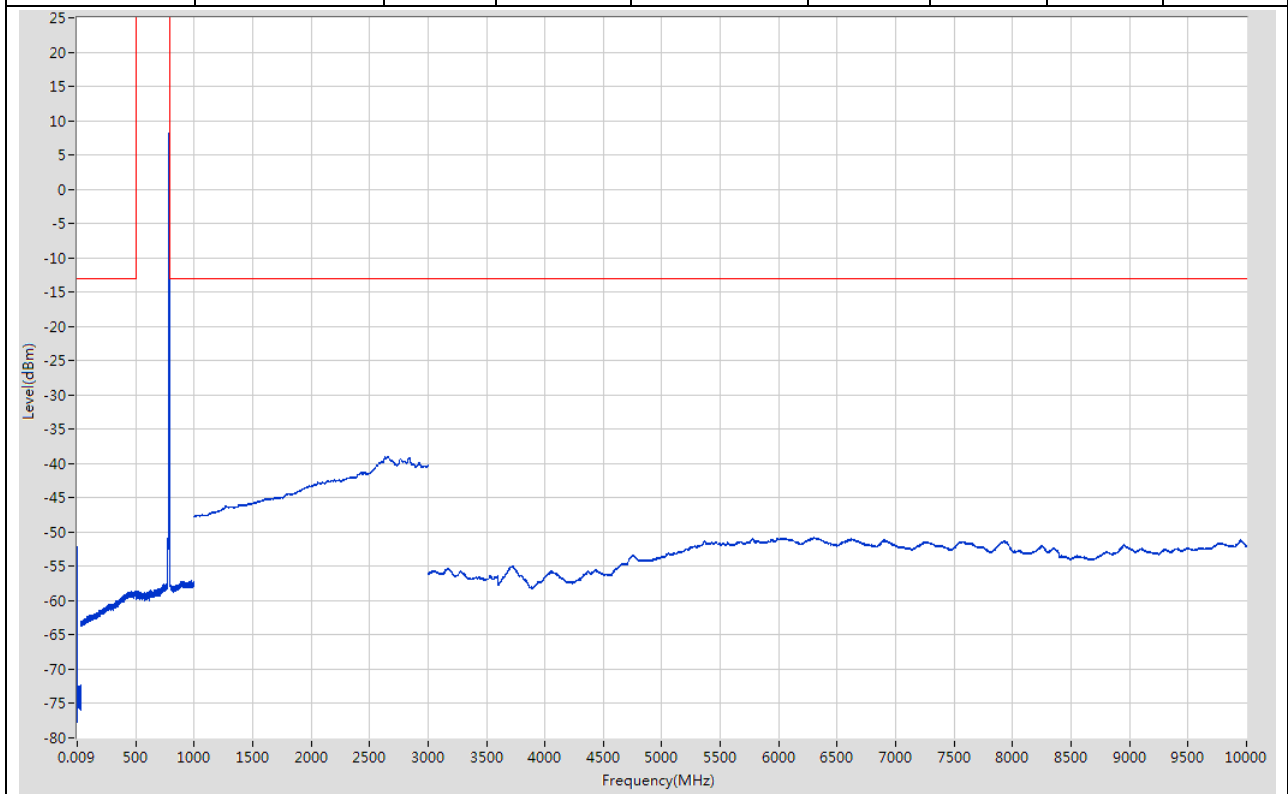
### 1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.009	-52.53	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.03	-13	Pass	2985
30	500	0.1	RMS	481.696	-58.6	-13	Pass	4700
500	795	0.1	RMS	777.594	19.68	60	Pass	2950
795	1000	0.1	RMS	795.2	-52.93	-13	Pass	2050
1000	3000	1	RMS	2658.829	-39.01	-13	Pass	2000
3000	10000	1	RMS	6306.472	-50.74	-13	Pass	7000



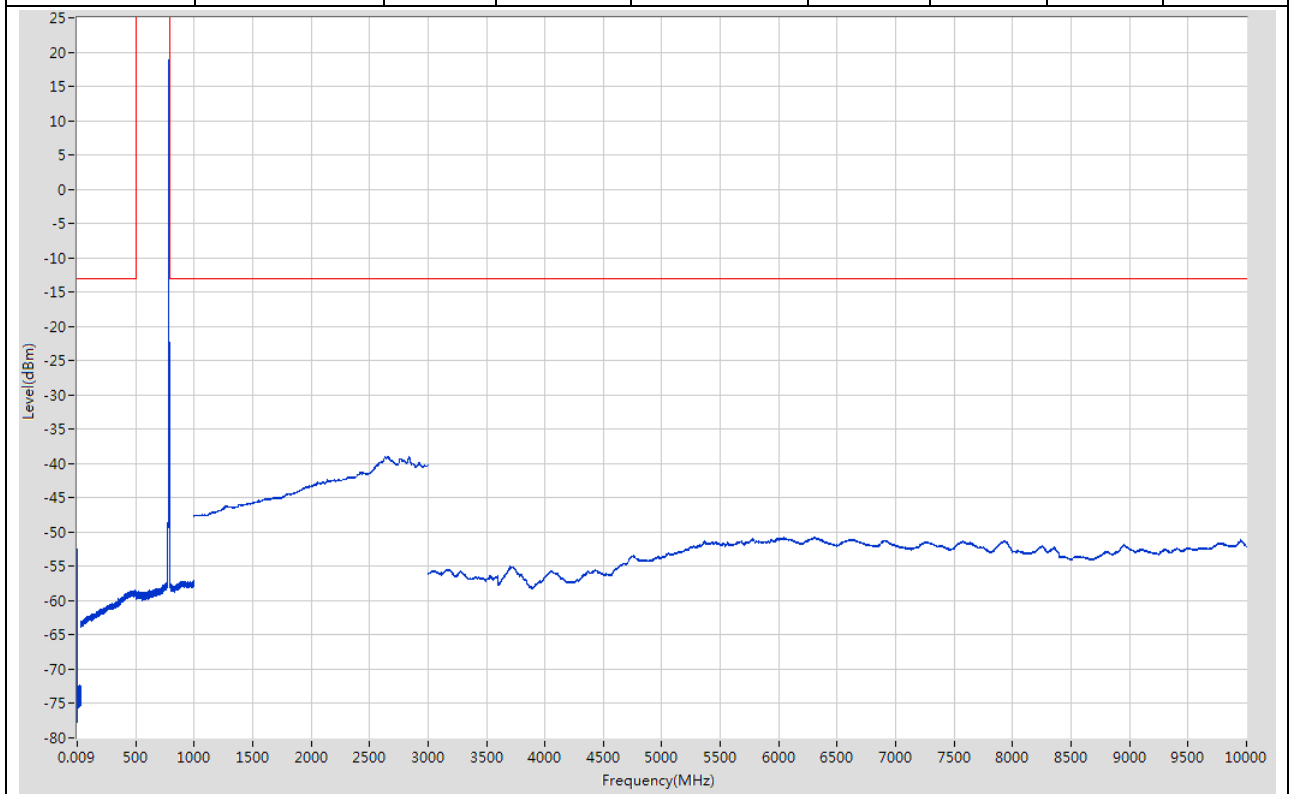
### 1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.56	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.16	-13	Pass	2985
30	500	0.1	RMS	488.598	-58.59	-13	Pass	4700
500	795	0.1	RMS	786.397	19.68	60	Pass	2950
795	1000	0.1	RMS	795.2	-45.93	-13	Pass	2050
1000	3000	1	RMS	2660.83	-38.98	-13	Pass	2000
3000	10000	1	RMS	6298.471	-50.78	-13	Pass	7000



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

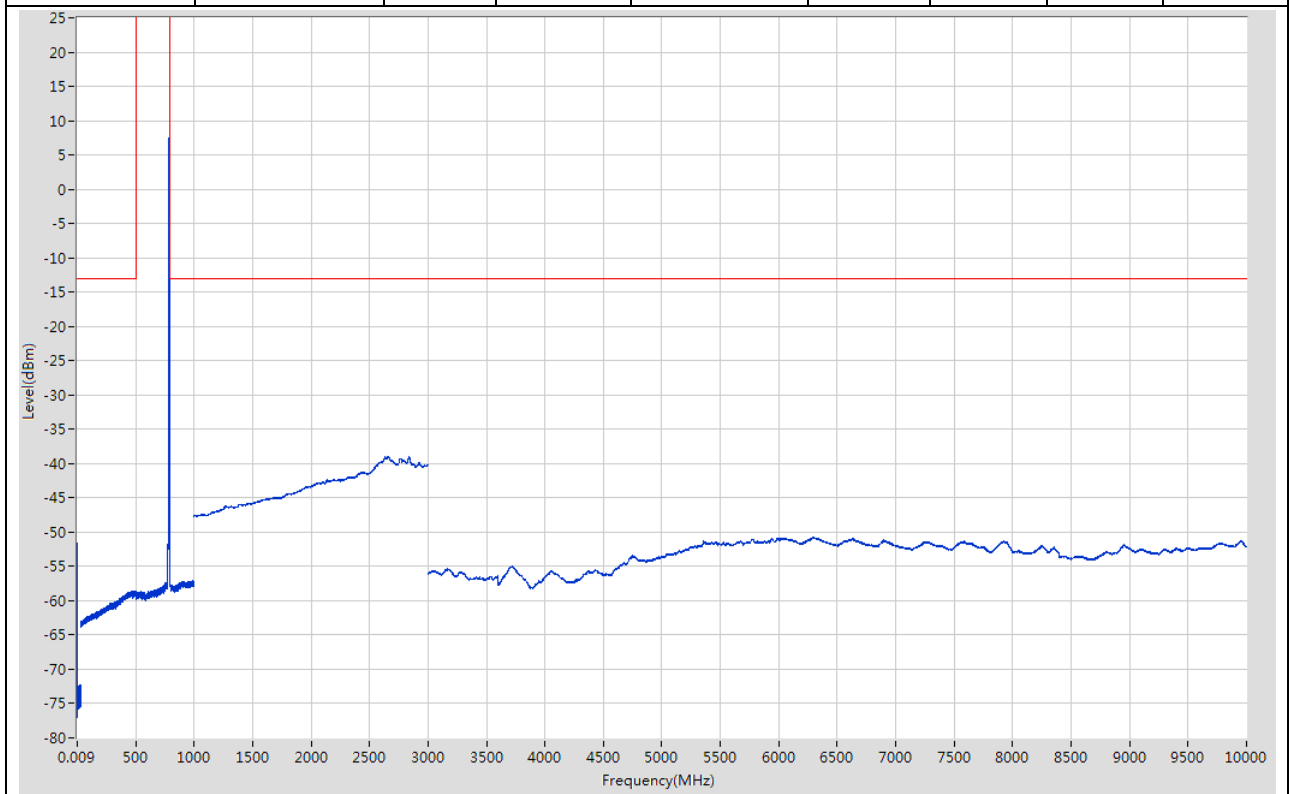
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.59	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.51	-13	Pass	2985
30	500	0.1	RMS	496.599	-58.5	-13	Pass	4700
500	795	0.1	RMS	777.594	18.8	60	Pass	2950
795	1000	0.1	RMS	795.2	-52.45	-13	Pass	2050
1000	3000	1	RMS	2657.829	-38.96	-13	Pass	2000
3000	10000	1	RMS	6301.472	-50.71	-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	0.01	-53.53	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.67	-13	Pass	2985
30	500	0.1	RMS	495.699	-58.59	-13	Pass	4700
500	795	0.1	RMS	786.397	18.54	60	Pass	2950
795	1000	0.1	RMS	795.2	-47.42	-13	Pass	2050
1000	3000	1	RMS	2659.83	-38.99	-13	Pass	2000
3000	10000	1	RMS	6293.47	-50.77	-13	Pass	7000



END