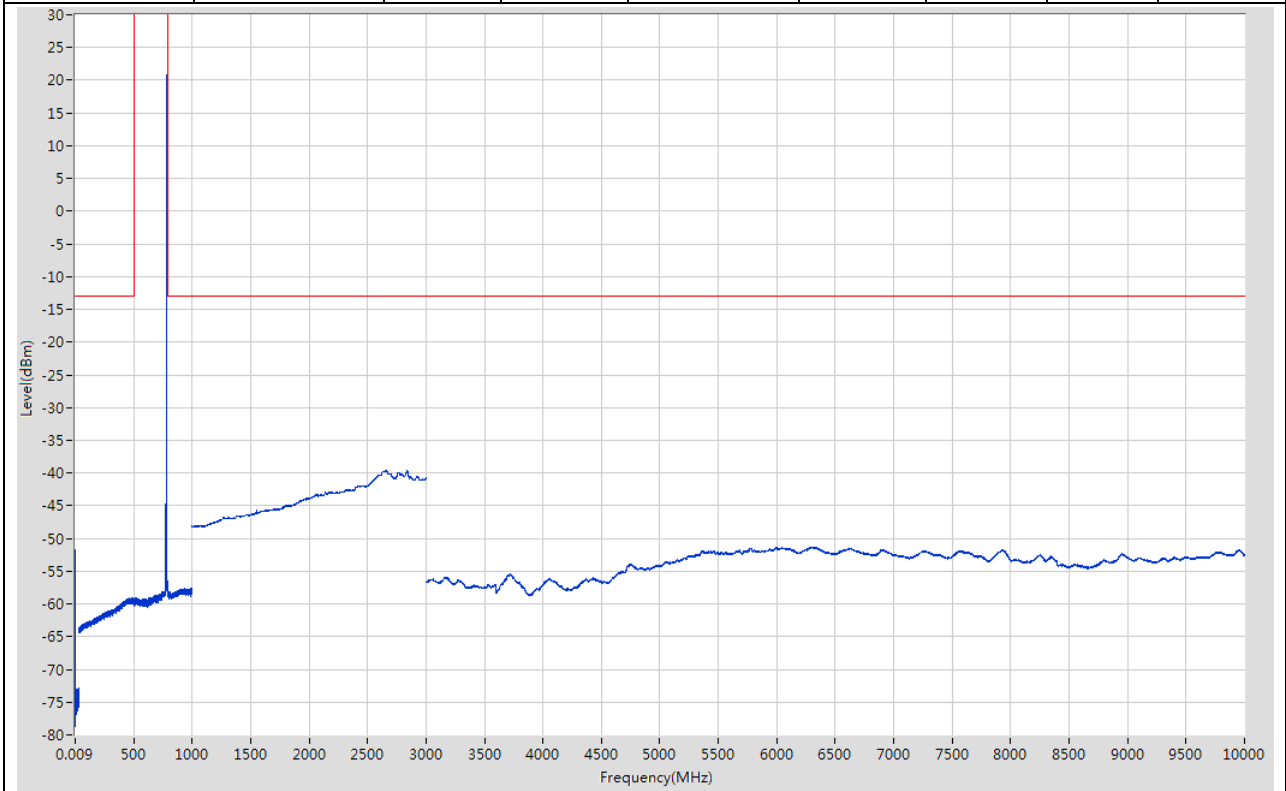


# Annex C. LTE Transmitter Spurious Emissions

## 1. LTE\_Band13

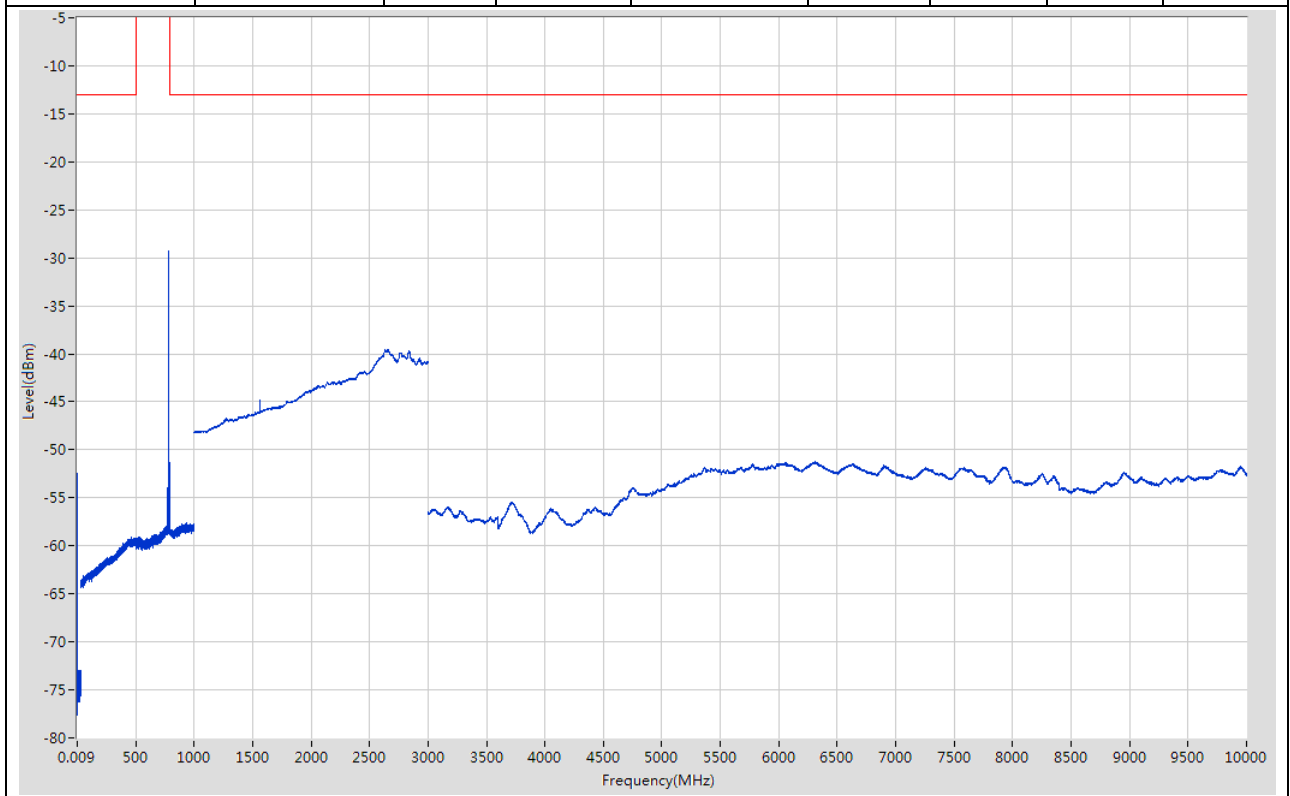
### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.01	-54.33	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.75	-13	Pass	2985
30	500	0.1	RMS	497.299	-59.03	-13	Pass	4700
500	795	0.1	RMS	777.294	20.91	60	Pass	2950
795	1000	0.1	RMS	993.197	-57.62	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.54	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.28	-13	Pass	7000



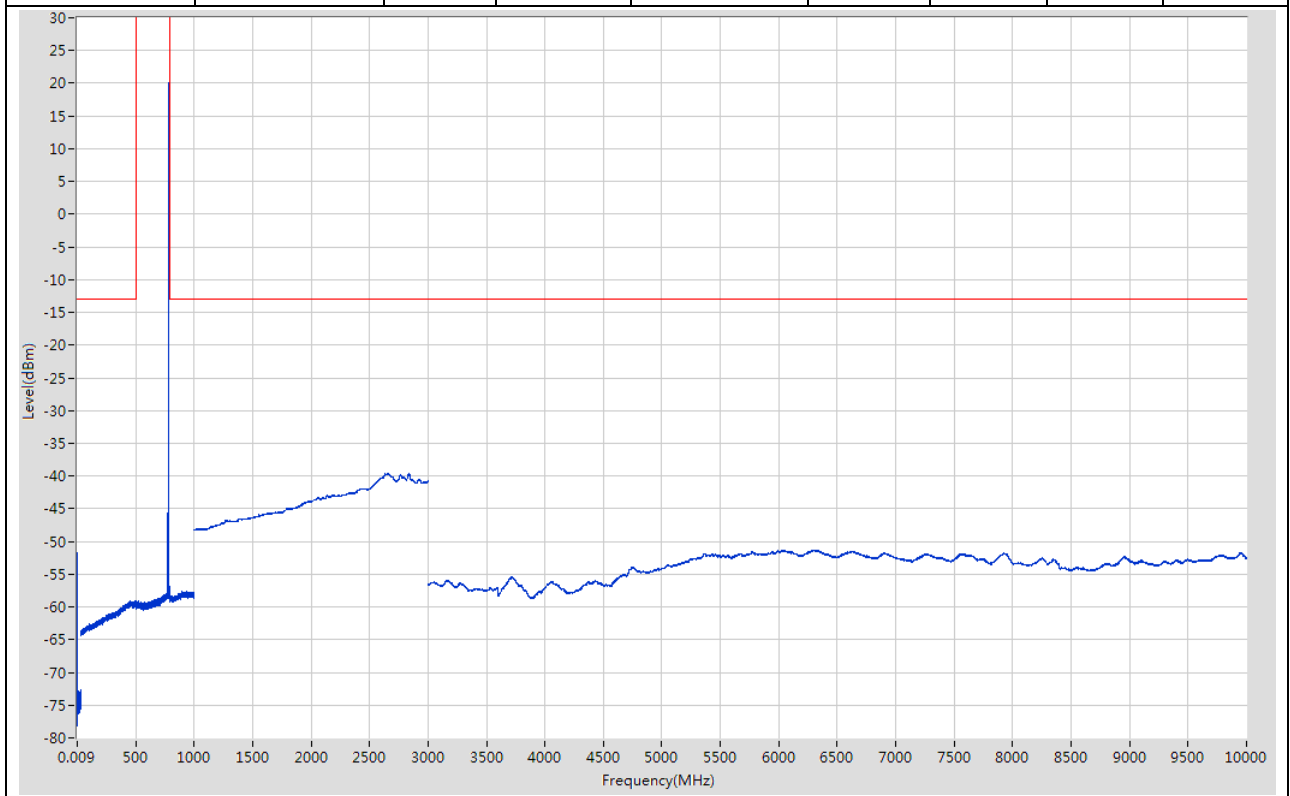
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.41	-13	Pass	2985
30	500	0.1	RMS	462.092	-59.14	-13	Pass	4700
500	795	0.1	RMS	779.495	-29.35	60	Pass	2950
795	1000	0.1	RMS	938.97	-57.58	-13	Pass	2050
1000	3000	1	RMS	2660.83	-39.56	-13	Pass	2000
3000	10000	1	RMS	6305.472	-51.25	-13	Pass	7000



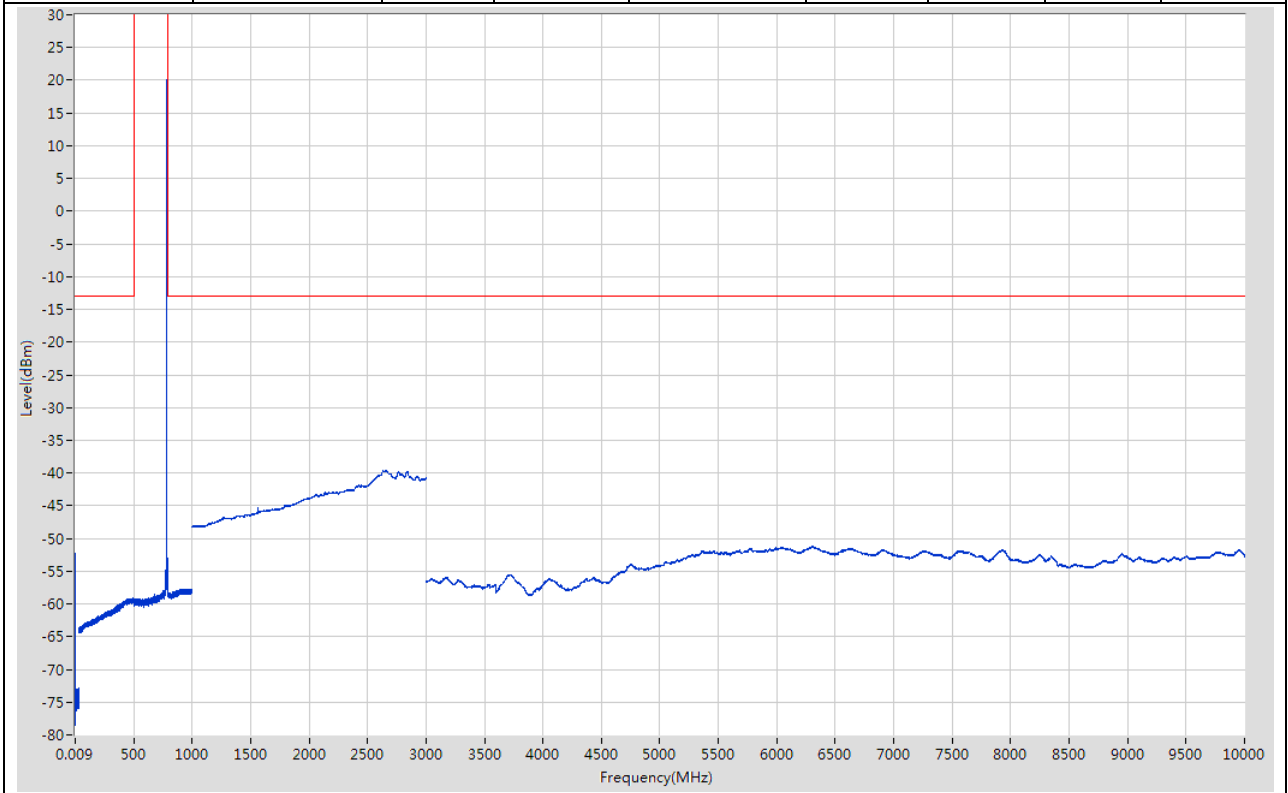
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-53.61	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.67	-13	Pass	2985
30	500	0.1	RMS	494.899	-59.07	-13	Pass	4700
500	795	0.1	RMS	777.294	20.15	60	Pass	2950
795	1000	0.1	RMS	895.649	-57.59	-13	Pass	2050
1000	3000	1	RMS	2656.828	-39.54	-13	Pass	2000
3000	10000	1	RMS	6290.47	-51.29	-13	Pass	7000



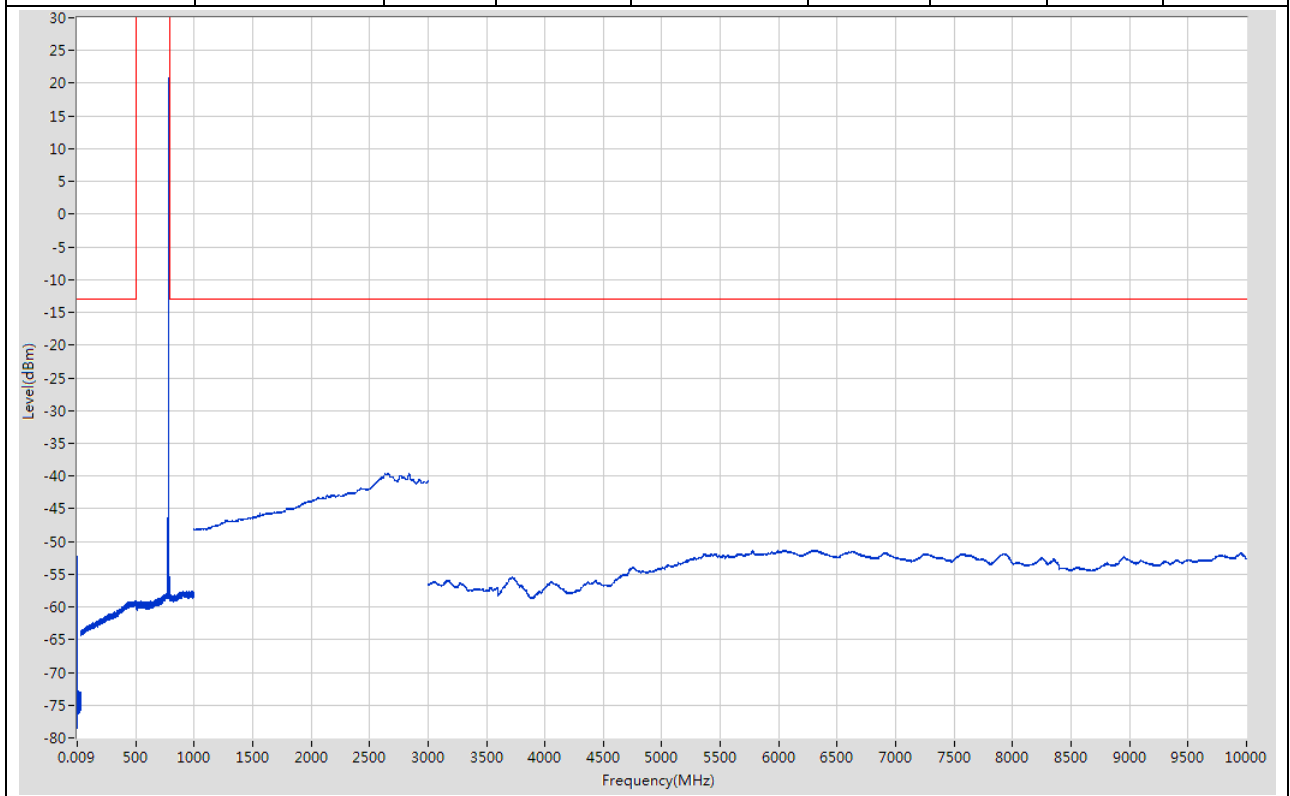
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-53.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.25	-13	Pass	2985
30	500	0.1	RMS	488.898	-59.1	-13	Pass	4700
500	795	0.1	RMS	781.695	20.1	60	Pass	2950
795	1000	0.1	RMS	940.771	-57.71	-13	Pass	2050
1000	3000	1	RMS	2658.829	-39.55	-13	Pass	2000
3000	10000	1	RMS	6307.472	-51.22	-13	Pass	7000



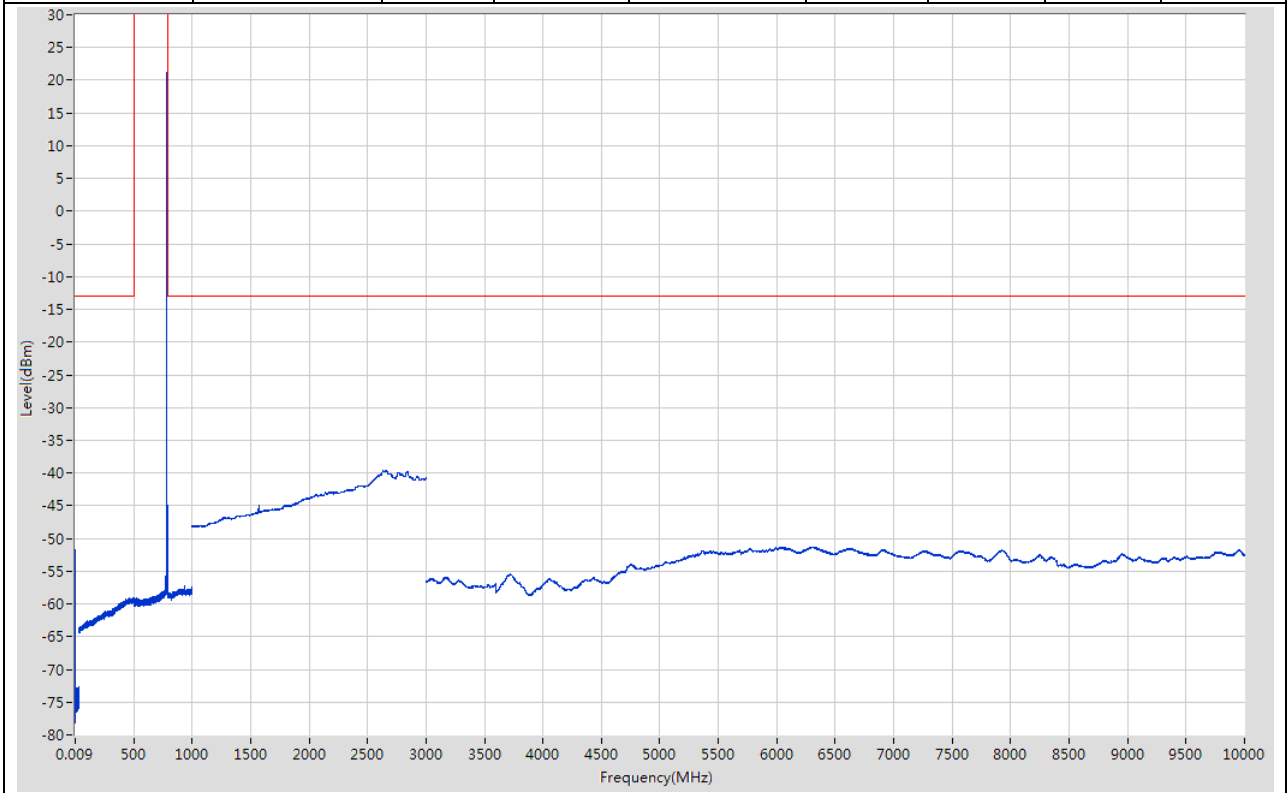
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-53.87	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.22	-13	Pass	2985
30	500	0.1	RMS	498	-59.09	-13	Pass	4700
500	795	0.1	RMS	779.795	20.79	60	Pass	2950
795	1000	0.1	RMS	902.052	-57.6	-13	Pass	2050
1000	3000	1	RMS	2658.829	-39.54	-13	Pass	2000
3000	10000	1	RMS	6307.472	-51.27	-13	Pass	7000



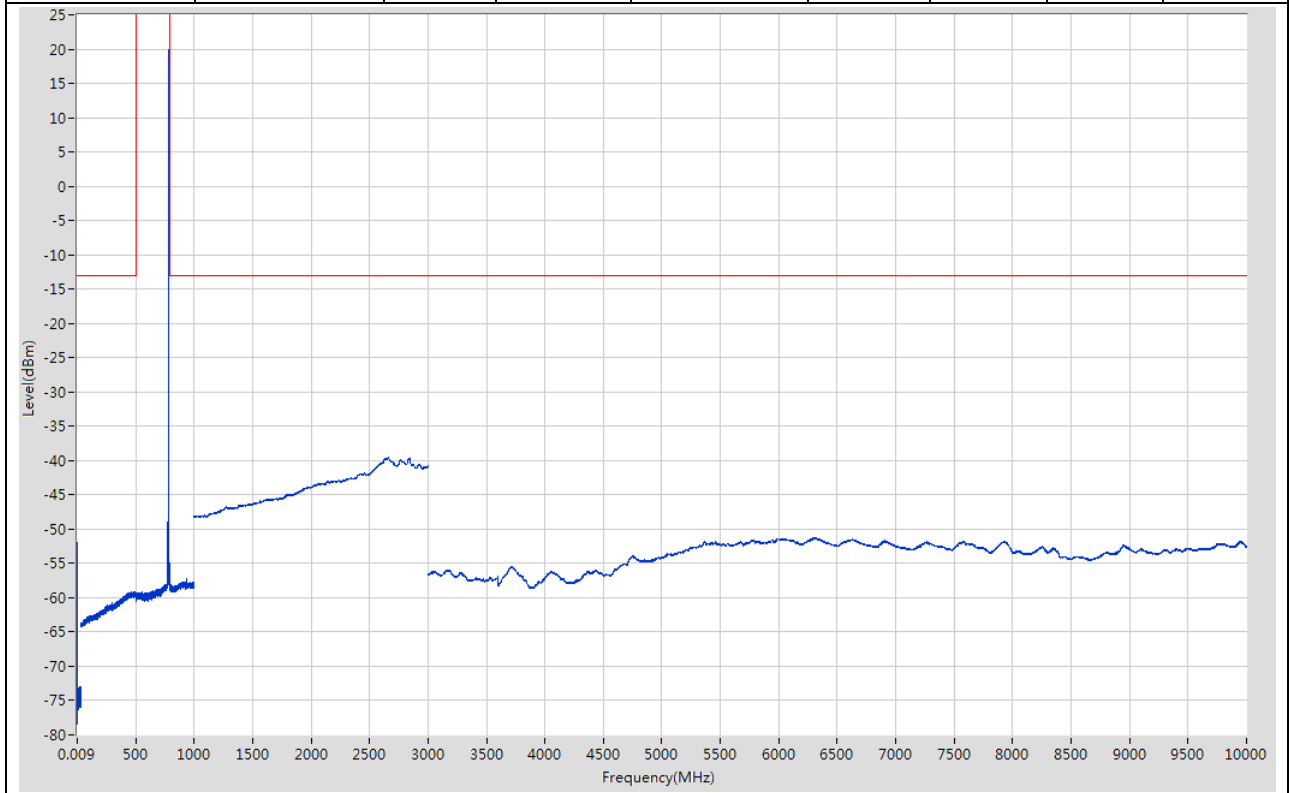
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.49	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.73	-13	Pass	2985
30	500	0.1	RMS	499	-59.01	-13	Pass	4700
500	795	0.1	RMS	784.196	21.13	60	Pass	2950
795	1000	0.1	RMS	938.97	-57.31	-13	Pass	2050
1000	3000	1	RMS	2657.829	-39.57	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.3	-13	Pass	7000



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

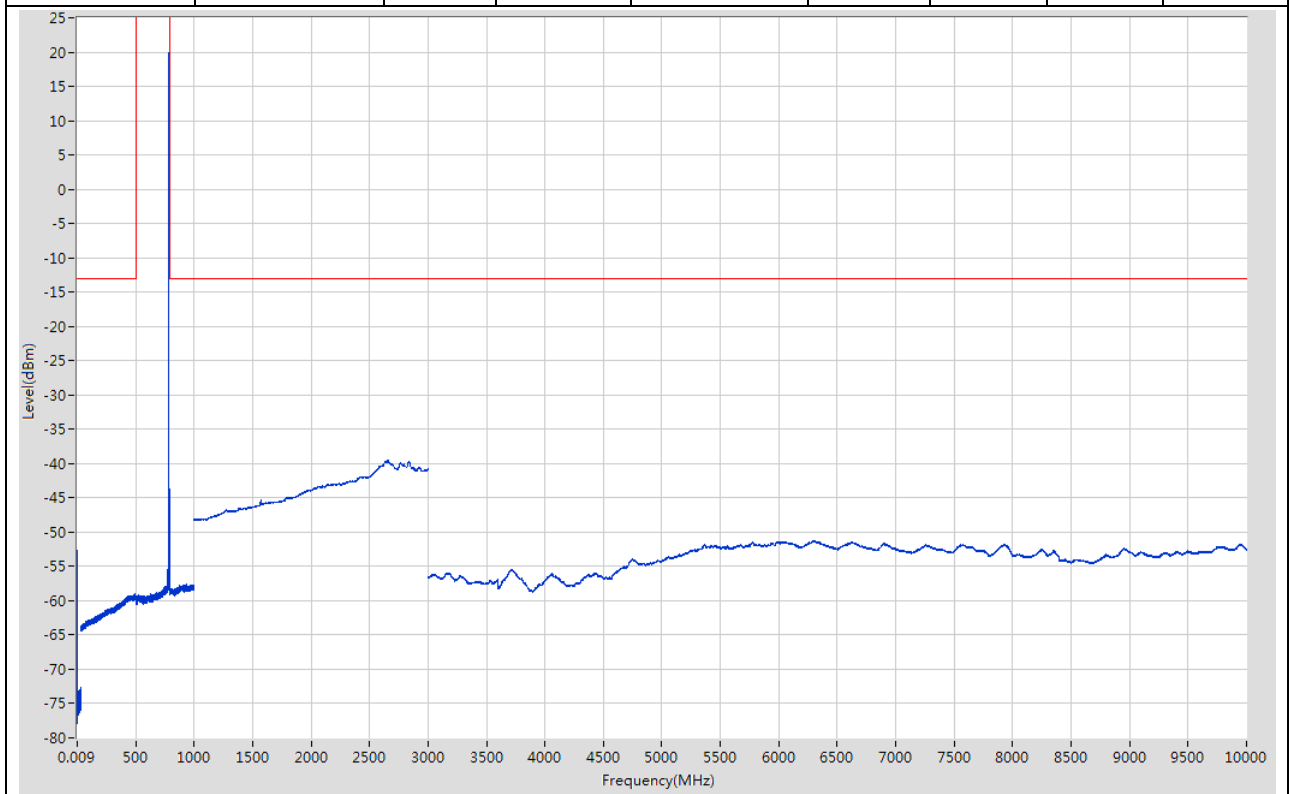
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.12	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52	-13	Pass	2985
30	500	0.1	RMS	481.596	-59.14	-13	Pass	4700
500	795	0.1	RMS	779.795	19.99	60	Pass	2950
795	1000	0.1	RMS	938.97	-57.15	-13	Pass	2050
1000	3000	1	RMS	2661.831	-39.57	-13	Pass	2000
3000	10000	1	RMS	6300.471	-51.25	-13	Pass	7000





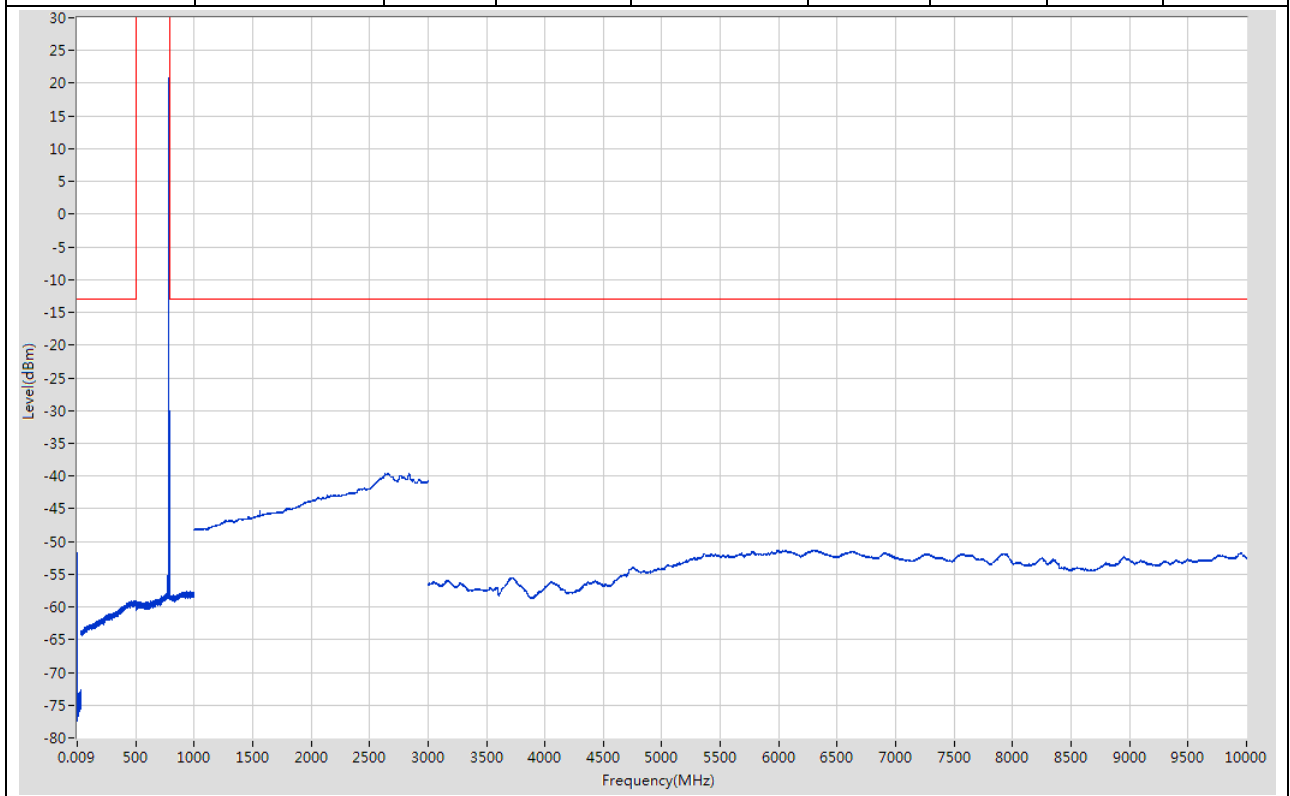
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-54.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.63	-13	Pass	2985
30	500	0.1	RMS	493.499	-58.93	-13	Pass	4700
500	795	0.1	RMS	784.196	19.98	60	Pass	2950
795	1000	0.1	RMS	939.07	-57.55	-13	Pass	2050
1000	3000	1	RMS	2657.829	-39.59	-13	Pass	2000
3000	10000	1	RMS	6305.472	-51.22	-13	Pass	7000



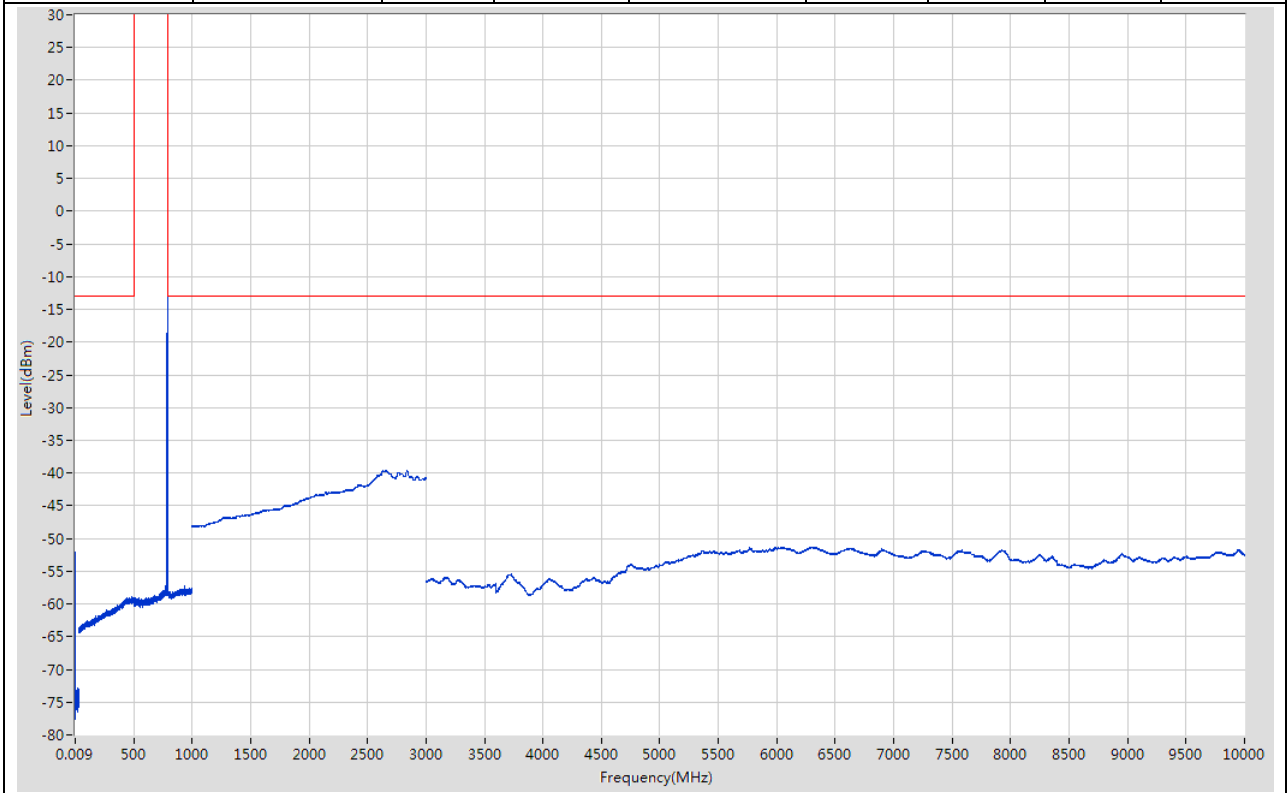
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.009	-54.5	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.75	-13	Pass	2985
30	500	0.1	RMS	497.299	-59.1	-13	Pass	4700
500	795	0.1	RMS	782.296	20.9	60	Pass	2950
795	1000	0.1	RMS	969.685	-57.64	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.55	-13	Pass	2000
3000	10000	1	RMS	6321.474	-51.31	-13	Pass	7000



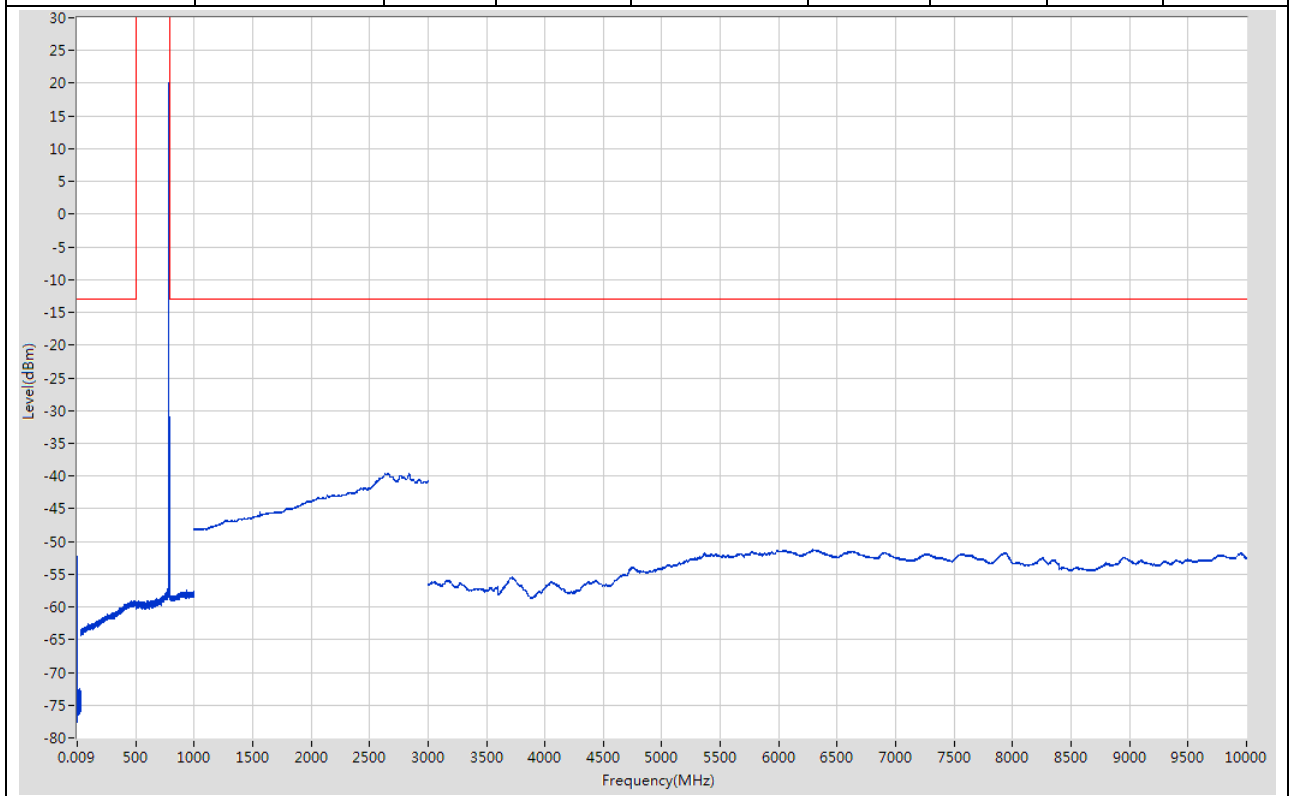
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.03	-13	Pass	2985
30	500	0.1	RMS	478.295	-58.88	-13	Pass	4700
500	795	0.1	RMS	786.697	20.99	60	Pass	2950
795	1000	0.1	RMS	938.97	-57.23	-13	Pass	2050
1000	3000	1	RMS	2660.83	-39.52	-13	Pass	2000
3000	10000	1	RMS	6307.472	-51.27	-13	Pass	7000



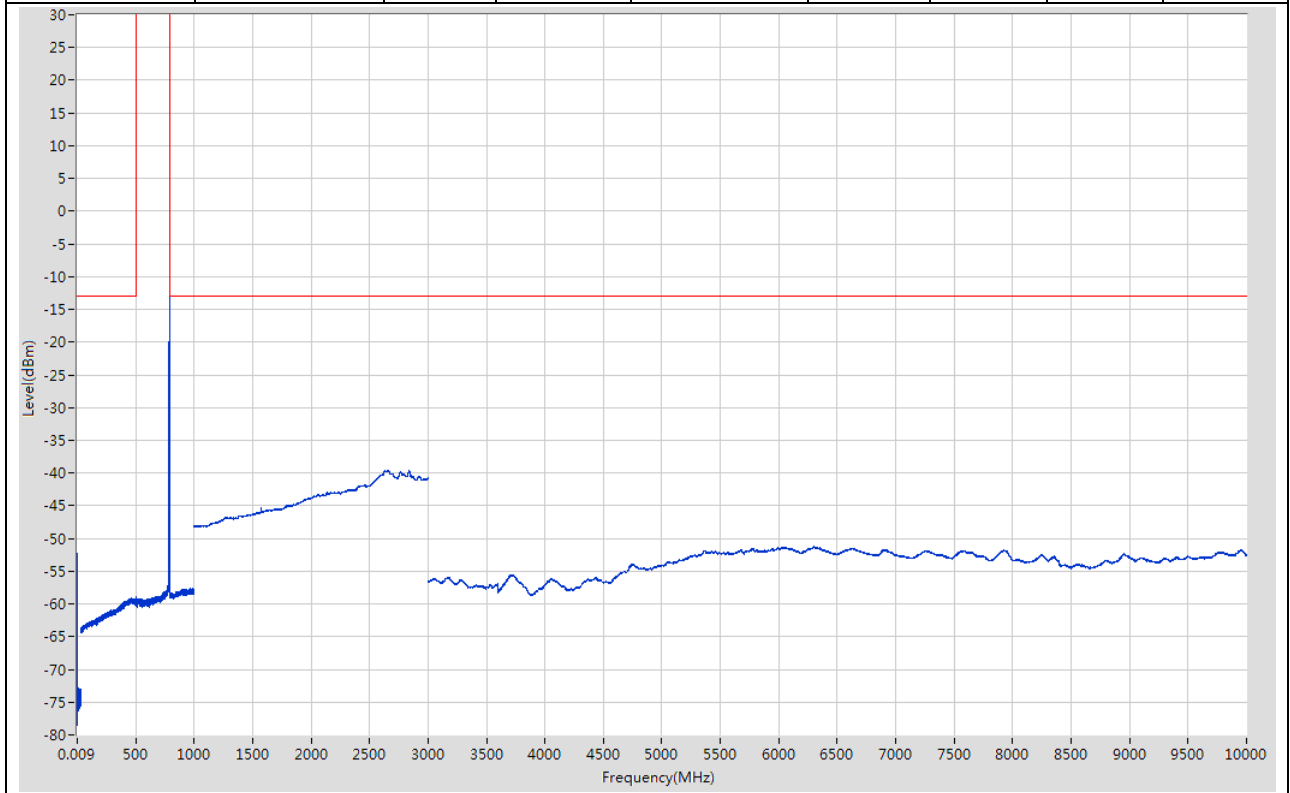
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-54.22	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.3	-13	Pass	2985
30	500	0.1	RMS	481.096	-59.09	-13	Pass	4700
500	795	0.1	RMS	782.296	20.04	60	Pass	2950
795	1000	0.1	RMS	938.97	-57.4	-13	Pass	2050
1000	3000	1	RMS	2657.829	-39.56	-13	Pass	2000
3000	10000	1	RMS	6291.47	-51.23	-13	Pass	7000



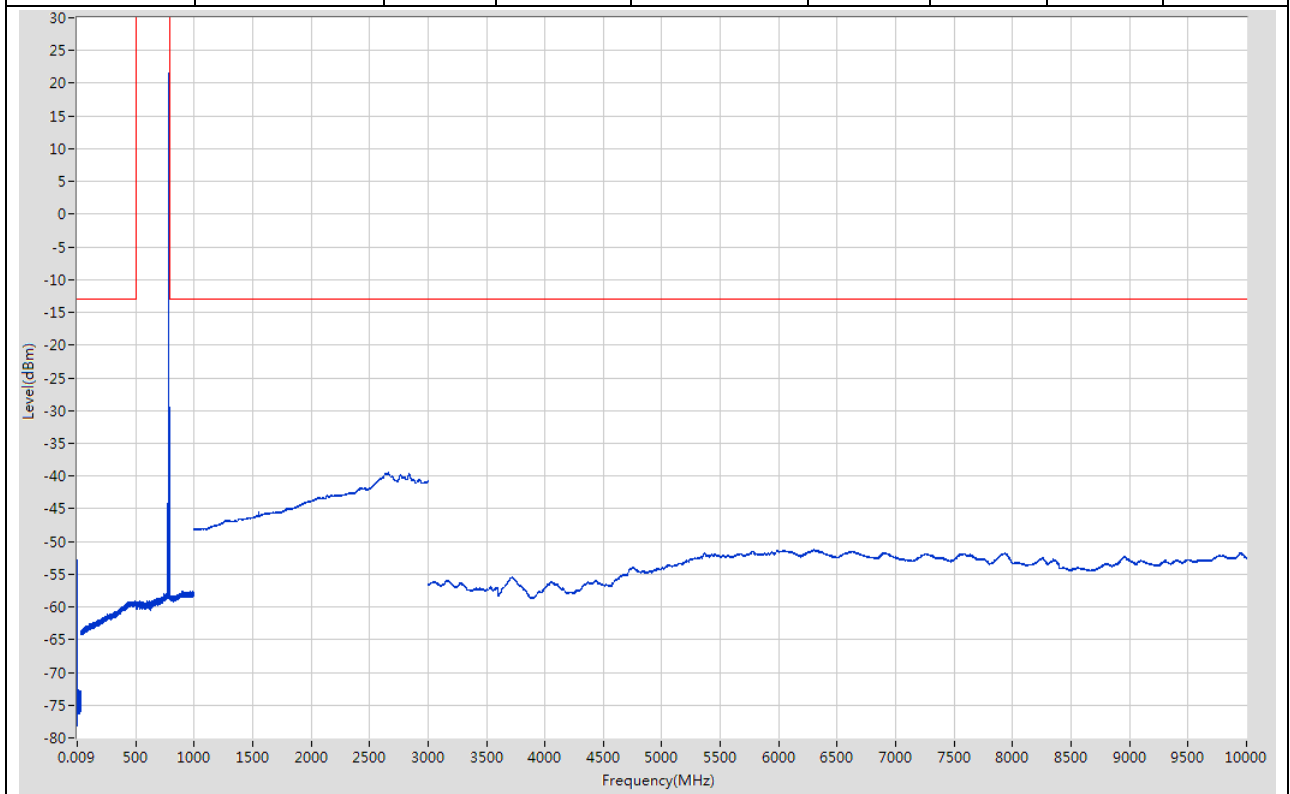
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.01	-53.95	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.25	-13	Pass	2985
30	500	0.1	RMS	499	-58.89	-13	Pass	4700
500	795	0.1	RMS	786.697	20.17	60	Pass	2950
795	1000	0.1	RMS	985.493	-57.61	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.54	-13	Pass	2000
3000	10000	1	RMS	6299.471	-51.25	-13	Pass	7000



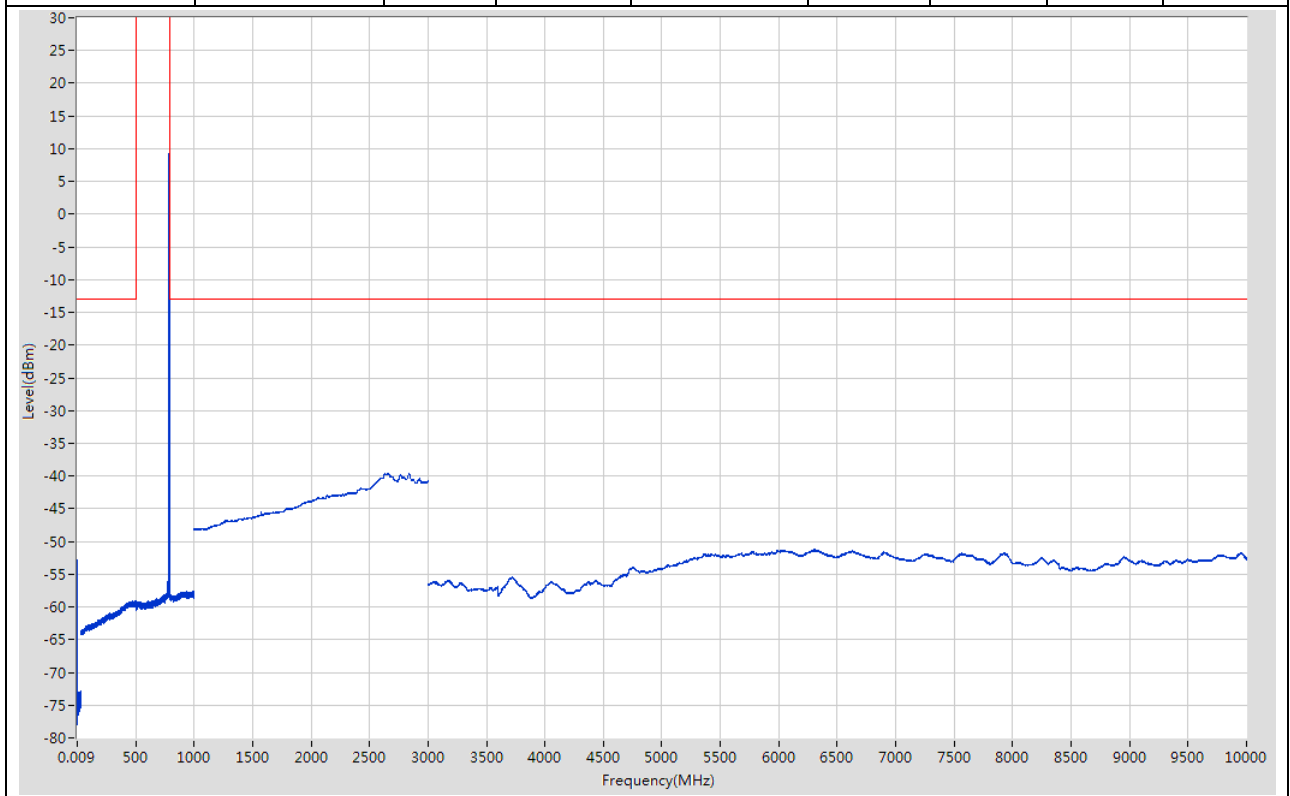
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-53.58	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.79	-13	Pass	2985
30	500	0.1	RMS	494.199	-59.05	-13	Pass	4700
500	795	0.1	RMS	777.594	21.54	60	Pass	2950
795	1000	0.1	RMS	895.749	-57.55	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.5	-13	Pass	2000
3000	10000	1	RMS	6299.471	-51.23	-13	Pass	7000



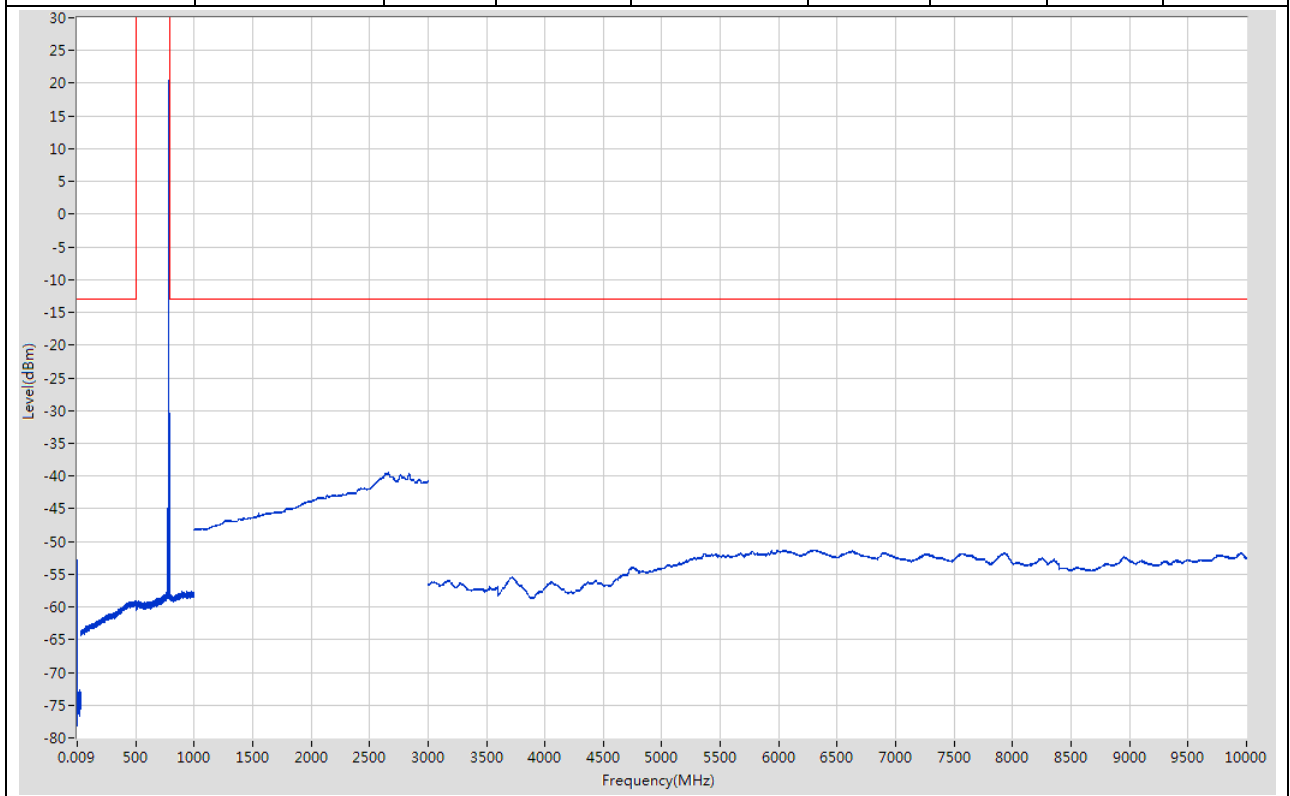
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.65	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.78	-13	Pass	2985
30	500	0.1	RMS	496.099	-59.02	-13	Pass	4700
500	795	0.1	RMS	786.397	21.41	60	Pass	2950
795	1000	0.1	RMS	795.2	-56.32	-13	Pass	2050
1000	3000	1	RMS	2661.831	-39.53	-13	Pass	2000
3000	10000	1	RMS	6309.473	-51.25	-13	Pass	7000



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

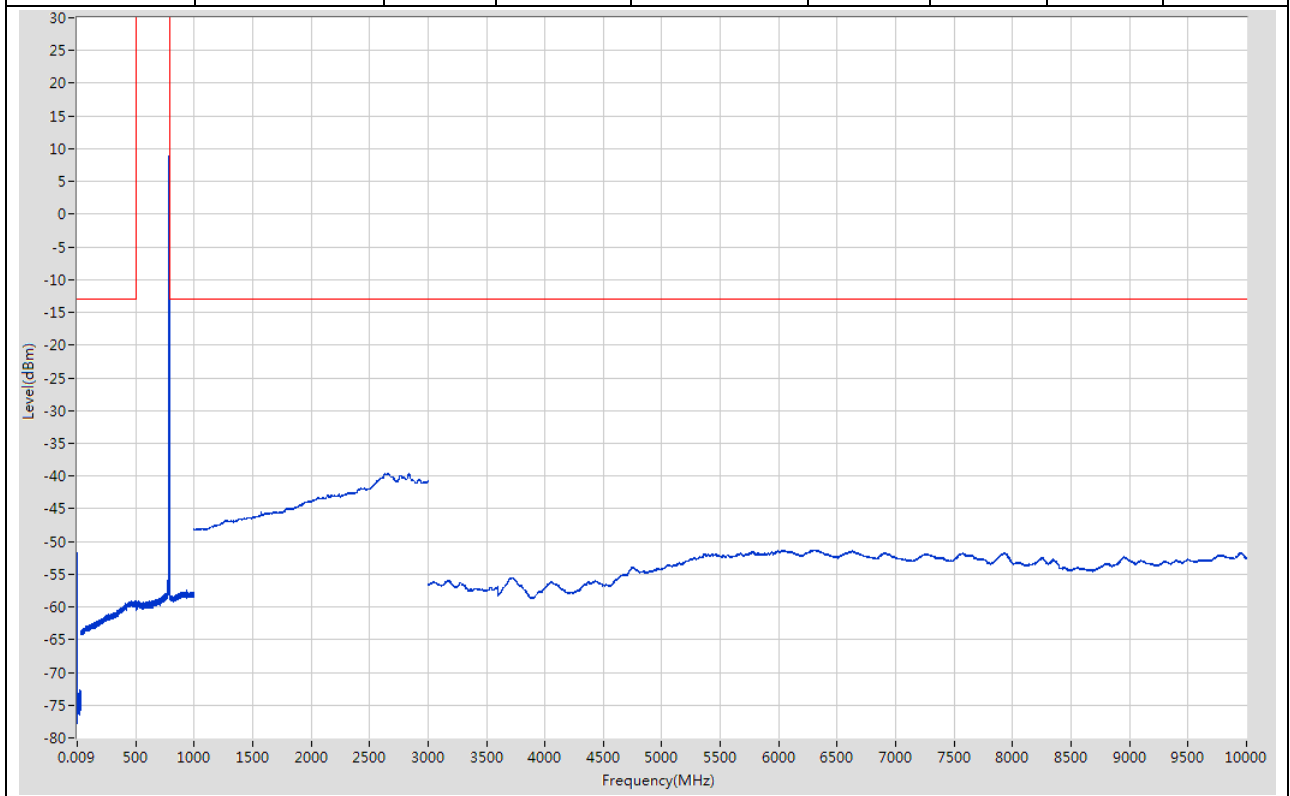
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-54.4	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.75	-13	Pass	2985
30	500	0.1	RMS	499.6	-59.06	-13	Pass	4700
500	795	0.1	RMS	777.594	20.47	60	Pass	2950
795	1000	0.1	RMS	891.947	-57.62	-13	Pass	2050
1000	3000	1	RMS	2659.83	-39.49	-13	Pass	2000
3000	10000	1	RMS	6310.473	-51.29	-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	-53.79	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.76	-13	Pass	2985
30	500	0.1	RMS	498.7	-59.03	-13	Pass	4700
500	795	0.1	RMS	786.397	20.18	60	Pass	2950
795	1000	0.1	RMS	795.2	-55.87	-13	Pass	2050
1000	3000	1	RMS	2662.831	-39.56	-13	Pass	2000
3000	10000	1	RMS	6299.471	-51.28	-13	Pass	7000



END