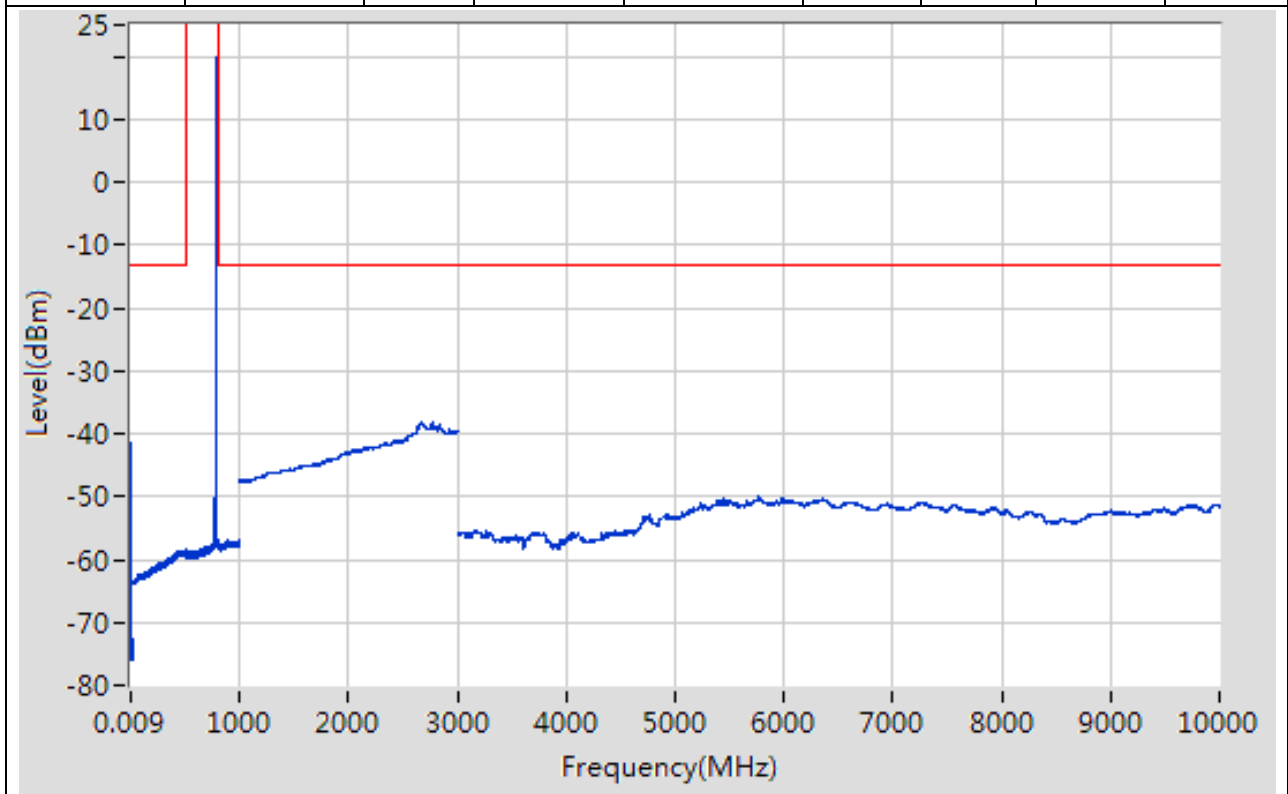


# Annex C. LTE Transmitter Spurious Emissions

## 1. LTE\_Band13

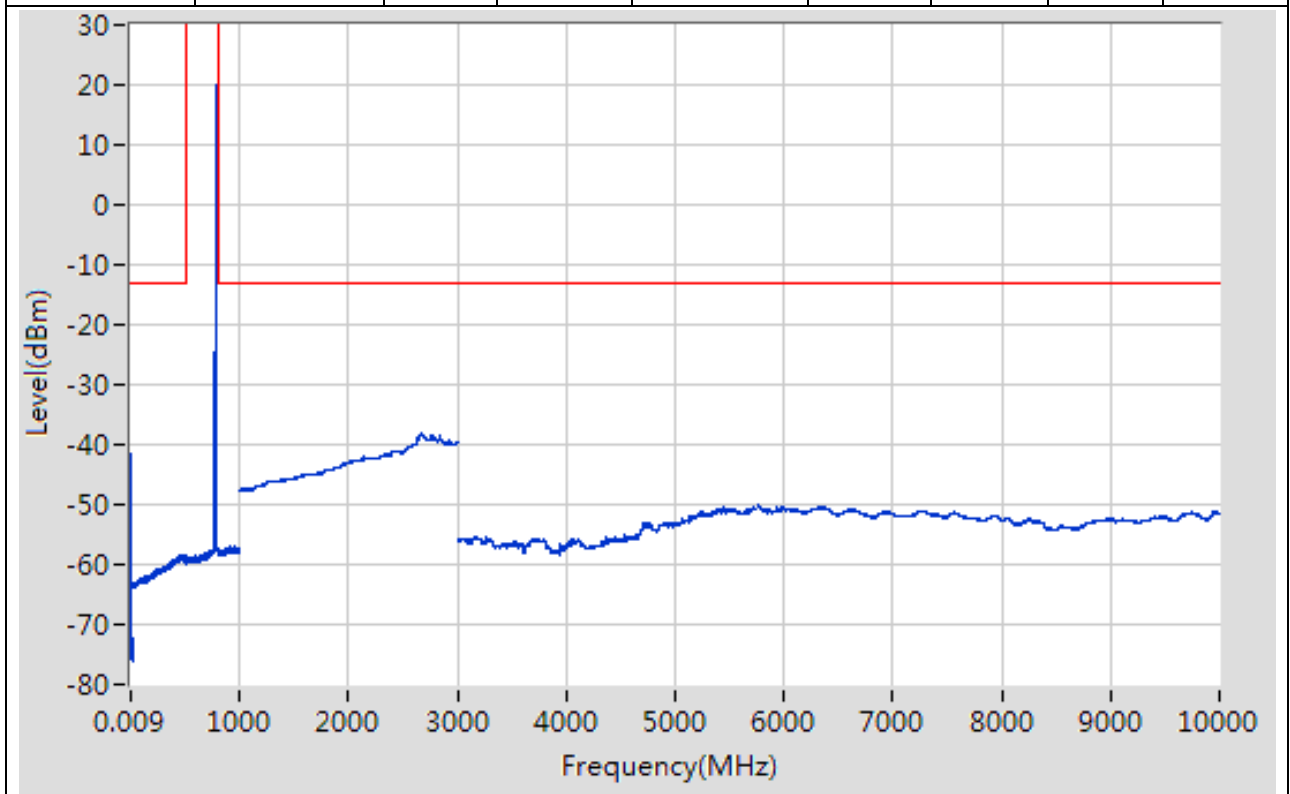
### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-47.08	-13	Pass	601
0.15	30	0.01	RMS	0.16	-41.37	-13	Pass	2985
30	500	0.1	RMS	498.4	-58.43	-13	Pass	4700
500	795	0.1	RMS	777.294	19.95	60	Pass	2950
795	1000	0.1	RMS	889.446	-57.01	-13	Pass	2050
1000	3000	1	RMS	2670.835	-38.17	-13	Pass	2000
3000	10000	1	RMS	5770.396	-50.01	-13	Pass	7000



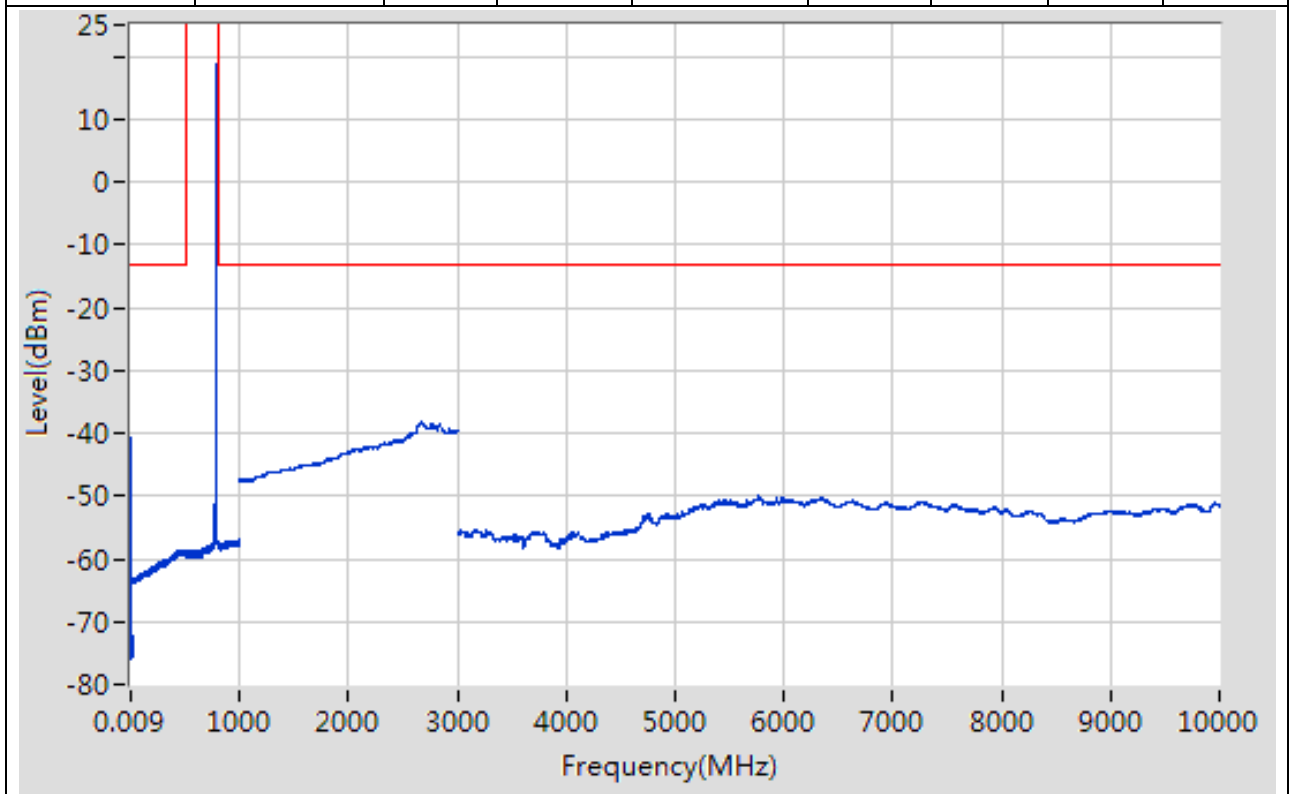
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-47.83	-13	Pass	601
0.15	30	0.01	RMS	0.15	-41.57	-13	Pass	2985
30	500	0.1	RMS	499.9	-58.58	-13	Pass	4700
500	795	0.1	RMS	781.695	20.06	60	Pass	2950
795	1000	0.1	RMS	907.855	-57.09	-13	Pass	2050
1000	3000	1	RMS	2668.834	-38.24	-13	Pass	2000
3000	10000	1	RMS	5763.395	-49.99	-13	Pass	7000



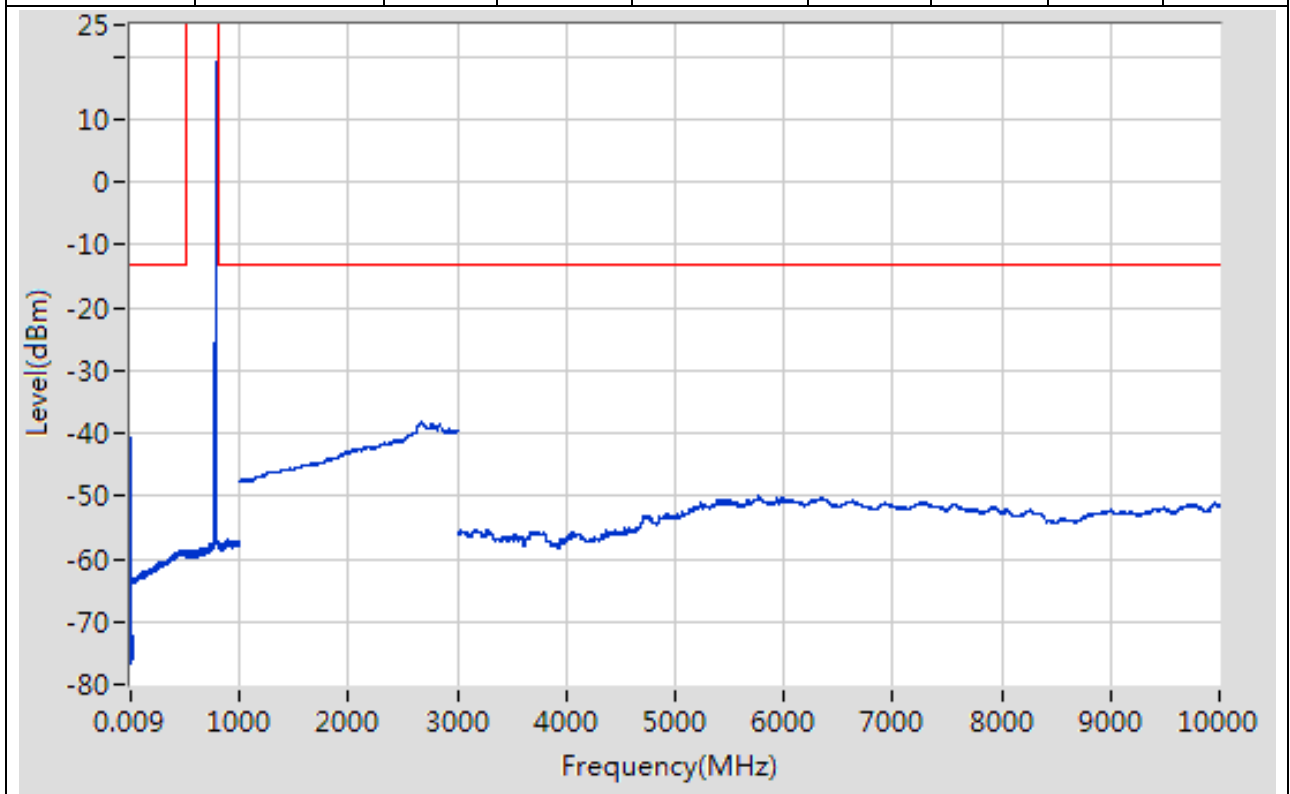
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-46.37	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.77	-13	Pass	2985
30	500	0.1	RMS	490.198	-58.54	-13	Pass	4700
500	795	0.1	RMS	777.394	18.93	60	Pass	2950
795	1000	0.1	RMS	999.1	-57.01	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.22	-13	Pass	2000
3000	10000	1	RMS	5761.394	-50	-13	Pass	7000



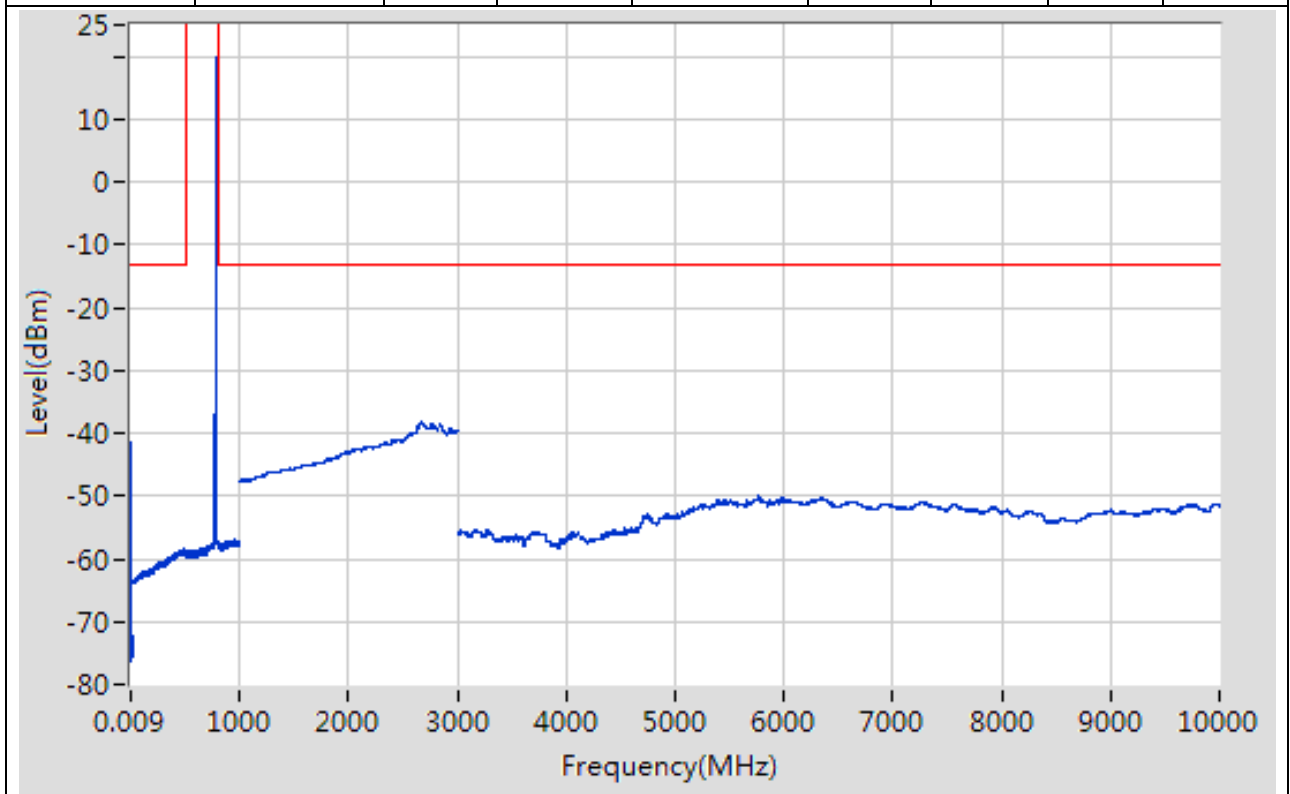
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.01	-47.6	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.78	-13	Pass	2985
30	500	0.1	RMS	495.099	-58.57	-13	Pass	4700
500	795	0.1	RMS	781.695	19.17	60	Pass	2950
795	1000	0.1	RMS	896.149	-56.96	-13	Pass	2050
1000	3000	1	RMS	2670.835	-38.22	-13	Pass	2000
3000	10000	1	RMS	5766.395	-50.05	-13	Pass	7000



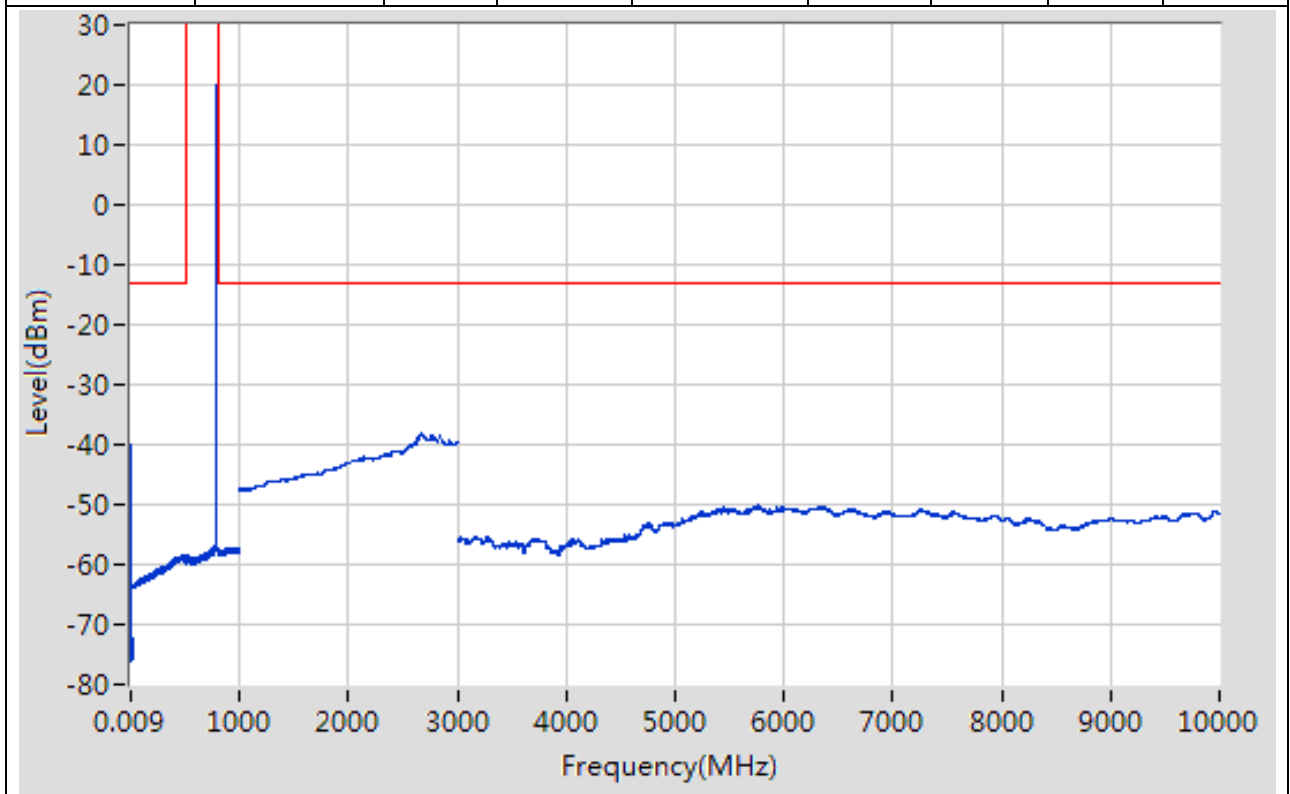
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-47.64	-13	Pass	601
0.15	30	0.01	RMS	0.15	-41.49	-13	Pass	2985
30	500	0.1	RMS	497.199	-58.46	-13	Pass	4700
500	795	0.1	RMS	779.795	19.73	60	Pass	2950
795	1000	0.1	RMS	943.773	-57.03	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.21	-13	Pass	2000
3000	10000	1	RMS	5767.395	-49.94	-13	Pass	7000



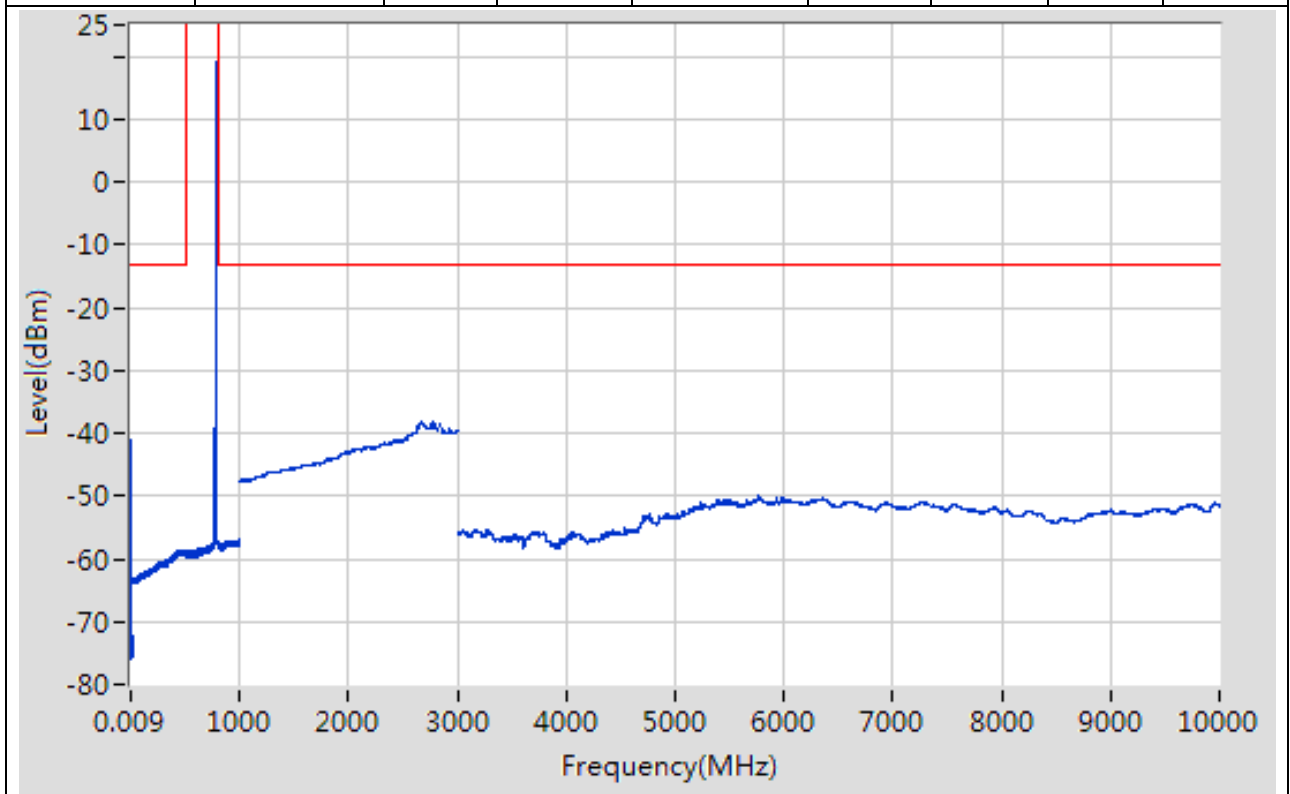
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-47.53	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.02	-13	Pass	2985
30	500	0.1	RMS	496.999	-58.53	-13	Pass	4700
500	795	0.1	RMS	784.196	20.06	60	Pass	2950
795	1000	0.1	RMS	895.549	-57.13	-13	Pass	2050
1000	3000	1	RMS	2668.834	-38.24	-13	Pass	2000
3000	10000	1	RMS	5768.395	-50.06	-13	Pass	7000



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

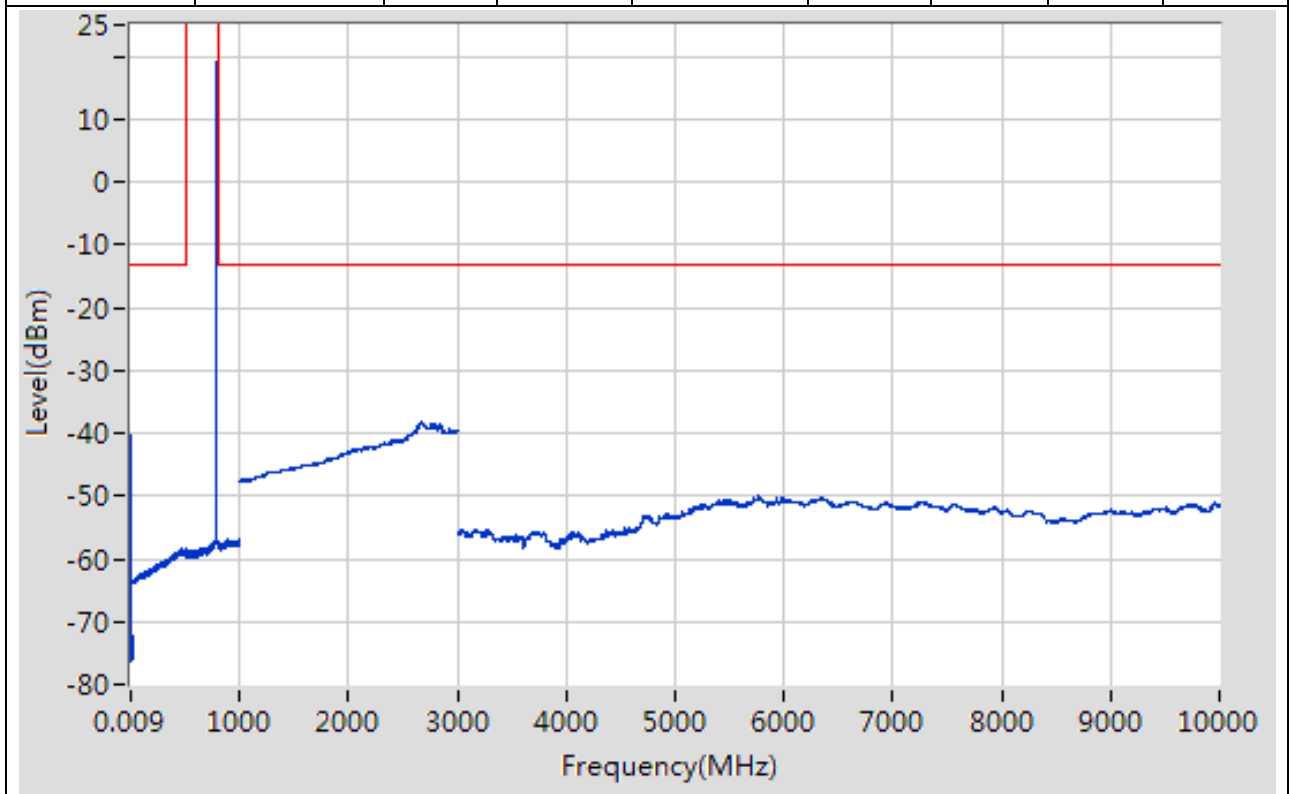
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-47.63	-13	Pass	601
0.15	30	0.01	RMS	0.16	-41.21	-13	Pass	2985
30	500	0.1	RMS	495.599	-58.58	-13	Pass	4700
500	795	0.1	RMS	779.795	19.11	60	Pass	2950
795	1000	0.1	RMS	986.293	-57.05	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.26	-13	Pass	2000
3000	10000	1	RMS	5763.395	-49.99	-13	Pass	7000





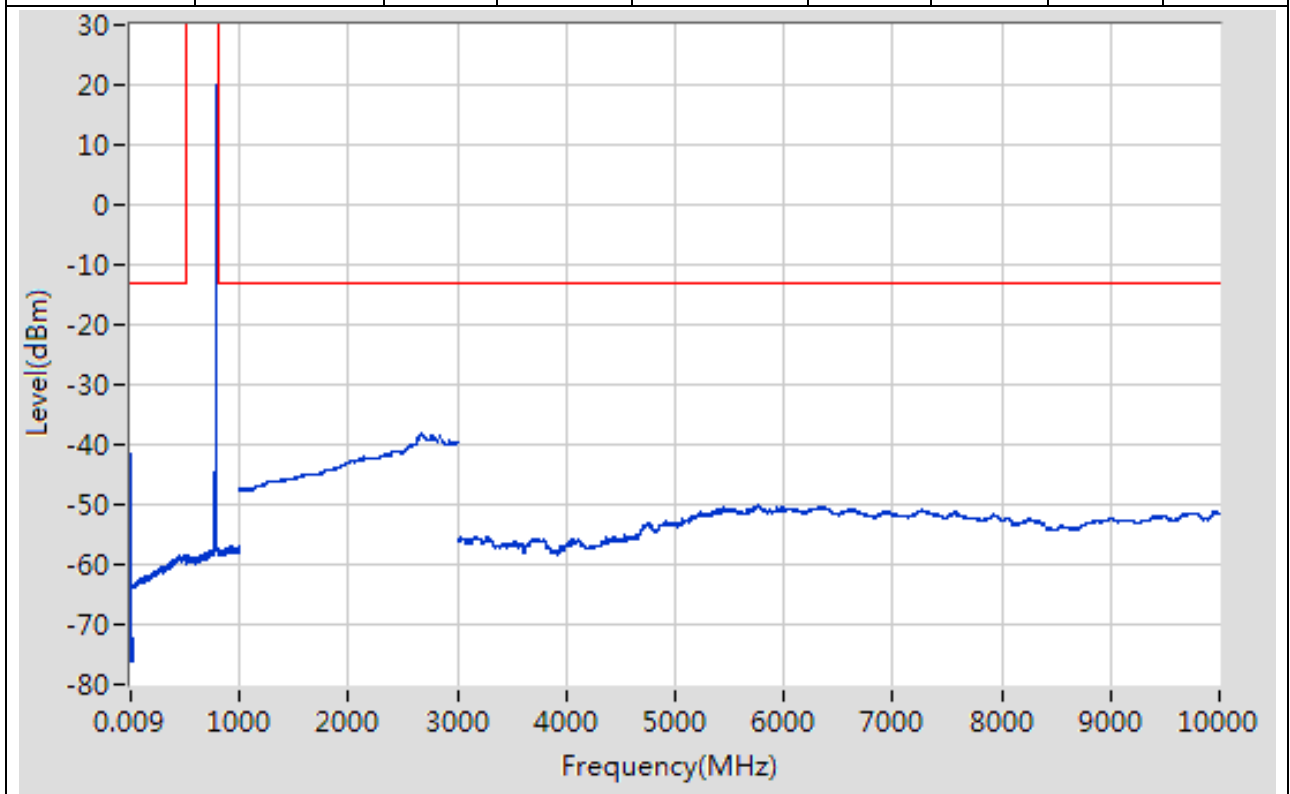
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-47.82	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.51	-13	Pass	2985
30	500	0.1	RMS	457.391	-58.5	-13	Pass	4700
500	795	0.1	RMS	784.196	19.27	60	Pass	2950
795	1000	0.1	RMS	888.646	-56.99	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.24	-13	Pass	2000
3000	10000	1	RMS	5764.395	-50.03	-13	Pass	7000



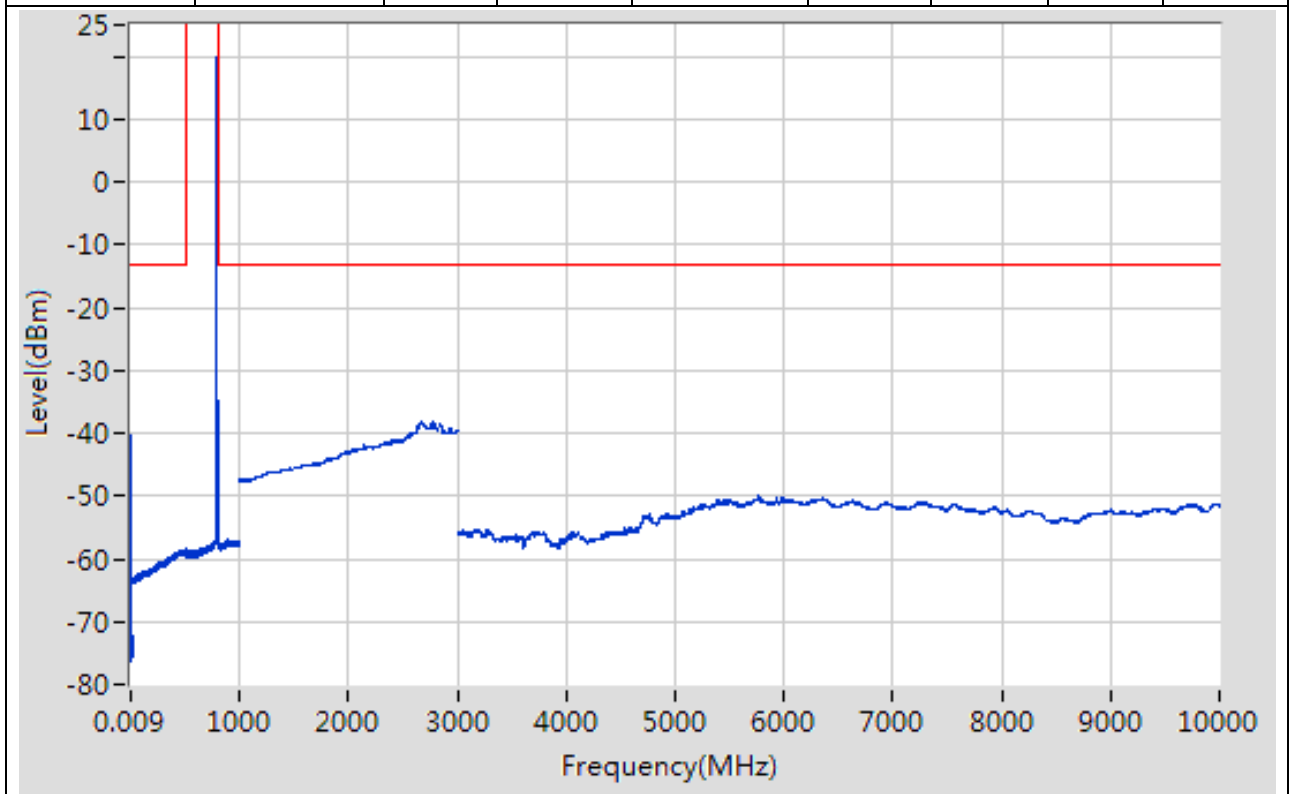
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-46.97	-13	Pass	601
0.15	30	0.01	RMS	0.15	-41.46	-13	Pass	2985
30	500	0.1	RMS	449.689	-58.41	-13	Pass	4700
500	795	0.1	RMS	782.296	20.08	60	Pass	2950
795	1000	0.1	RMS	995.698	-56.97	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.21	-13	Pass	2000
3000	10000	1	RMS	5763.395	-50.07	-13	Pass	7000



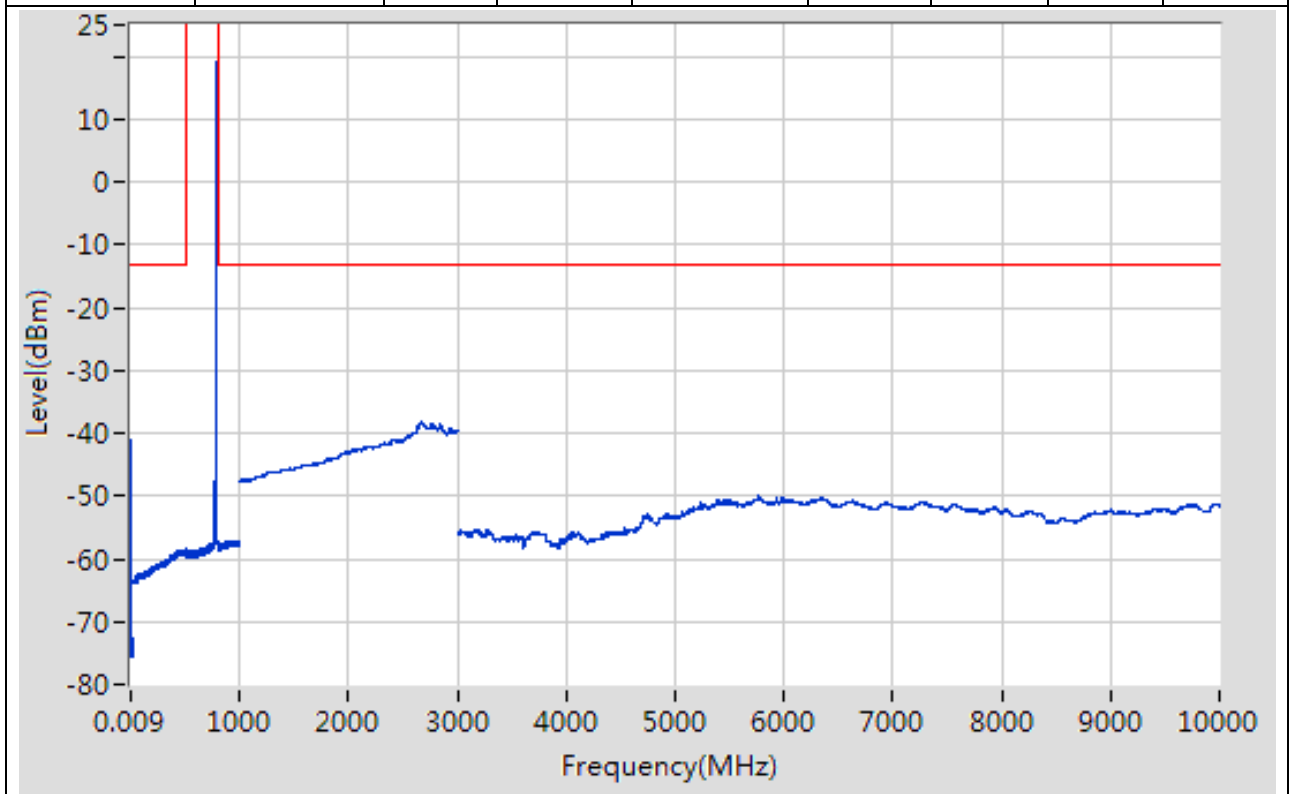
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-46.78	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.5	-13	Pass	2985
30	500	0.1	RMS	499.6	-58.26	-13	Pass	4700
500	795	0.1	RMS	786.697	19.9	60	Pass	2950
795	1000	0.1	RMS	795.3	-34.98	-13	Pass	2050
1000	3000	1	RMS	2667.834	-38.23	-13	Pass	2000
3000	10000	1	RMS	5764.395	-50.04	-13	Pass	7000



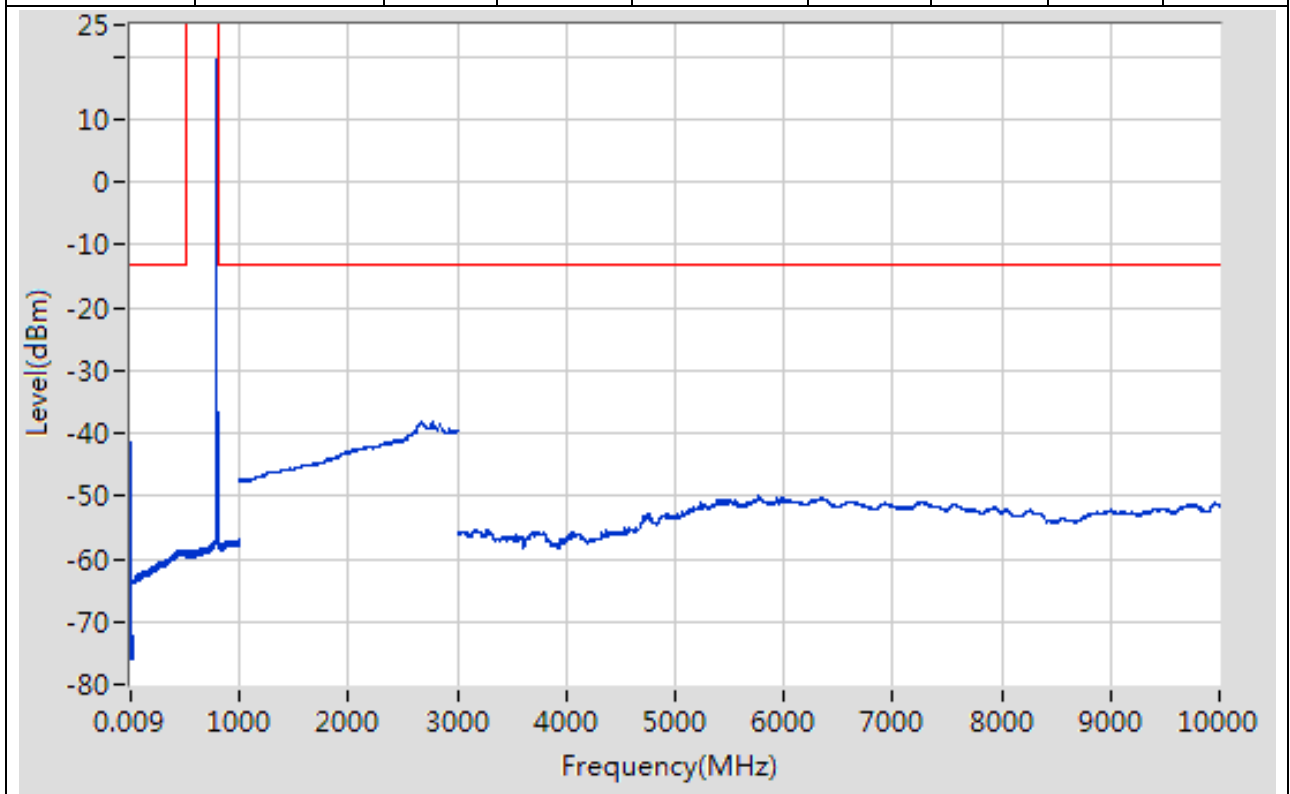
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-46.94	-13	Pass	601
0.15	30	0.01	RMS	0.15	-41.11	-13	Pass	2985
30	500	0.1	RMS	499.7	-58.51	-13	Pass	4700
500	795	0.1	RMS	782.296	19.09	60	Pass	2950
795	1000	0.1	RMS	922.362	-57.09	-13	Pass	2050
1000	3000	1	RMS	2669.835	-38.19	-13	Pass	2000
3000	10000	1	RMS	5766.395	-50.01	-13	Pass	7000



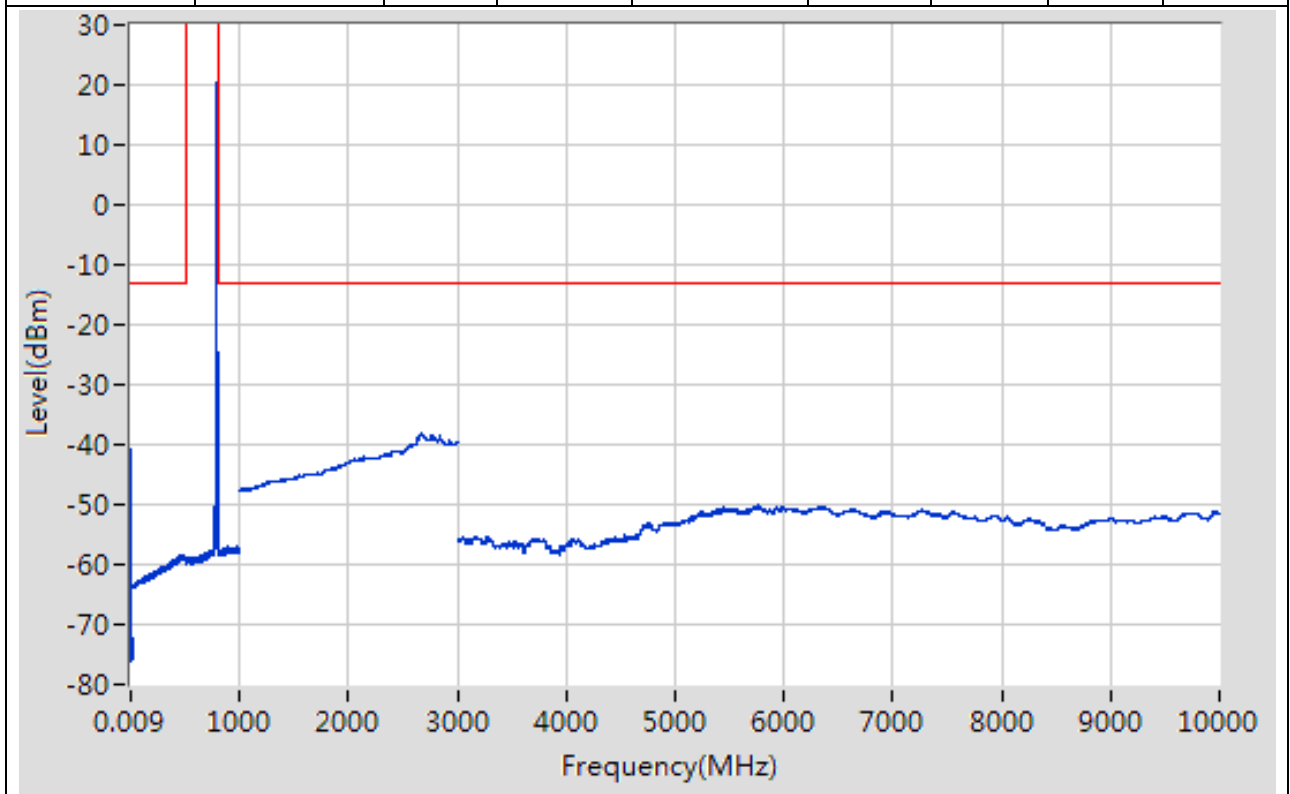
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-46.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-41.58	-13	Pass	2985
30	500	0.1	RMS	498.7	-58.53	-13	Pass	4700
500	795	0.1	RMS	786.697	19.41	60	Pass	2950
795	1000	0.1	RMS	795.3	-36.83	-13	Pass	2050
1000	3000	1	RMS	2665.833	-38.2	-13	Pass	2000
3000	10000	1	RMS	5767.395	-50.02	-13	Pass	7000



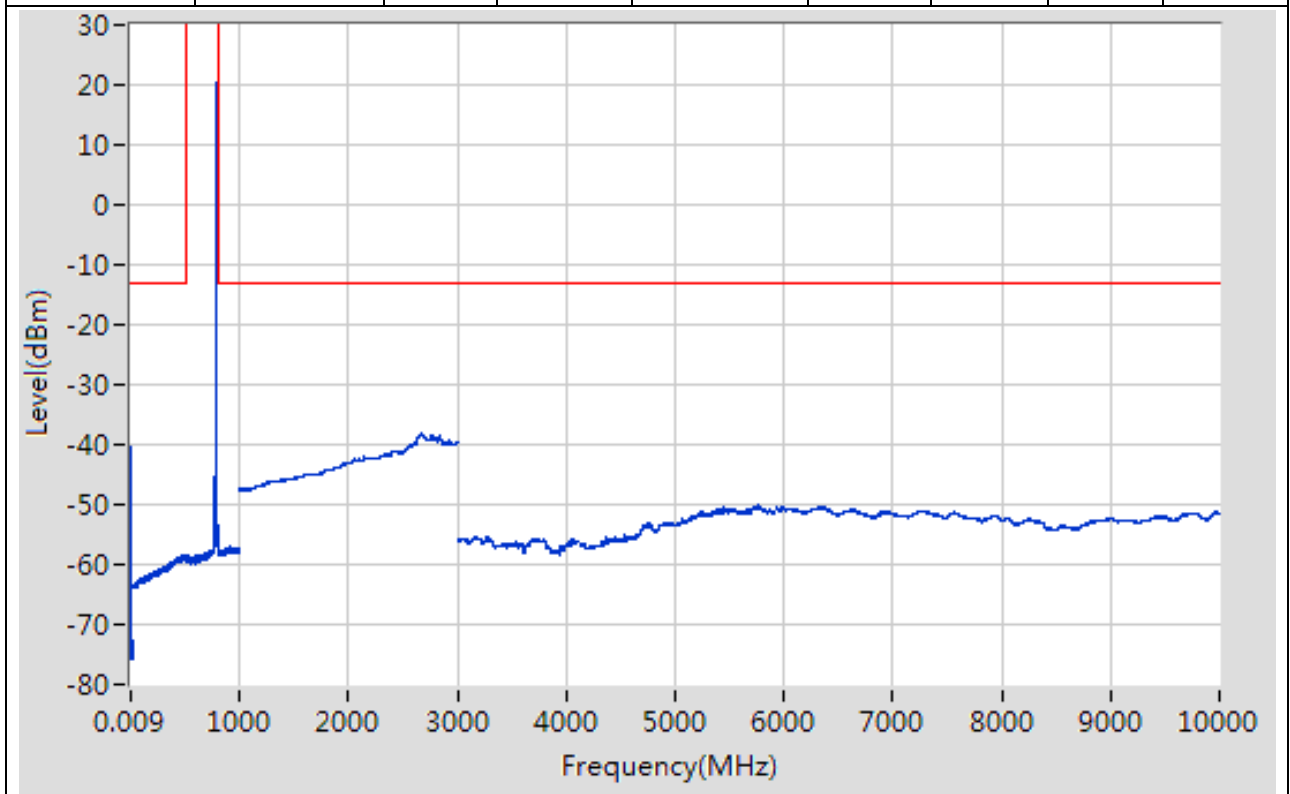
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-48.25	-13	Pass	601
0.15	30	0.01	RMS	0.16	-40.77	-13	Pass	2985
30	500	0.1	RMS	485.697	-58.41	-13	Pass	4700
500	795	0.1	RMS	777.594	20.3	60	Pass	2950
795	1000	0.1	RMS	795.2	-24.55	-13	Pass	2050
1000	3000	1	RMS	2668.834	-38.24	-13	Pass	2000
3000	10000	1	RMS	5761.394	-50.04	-13	Pass	7000



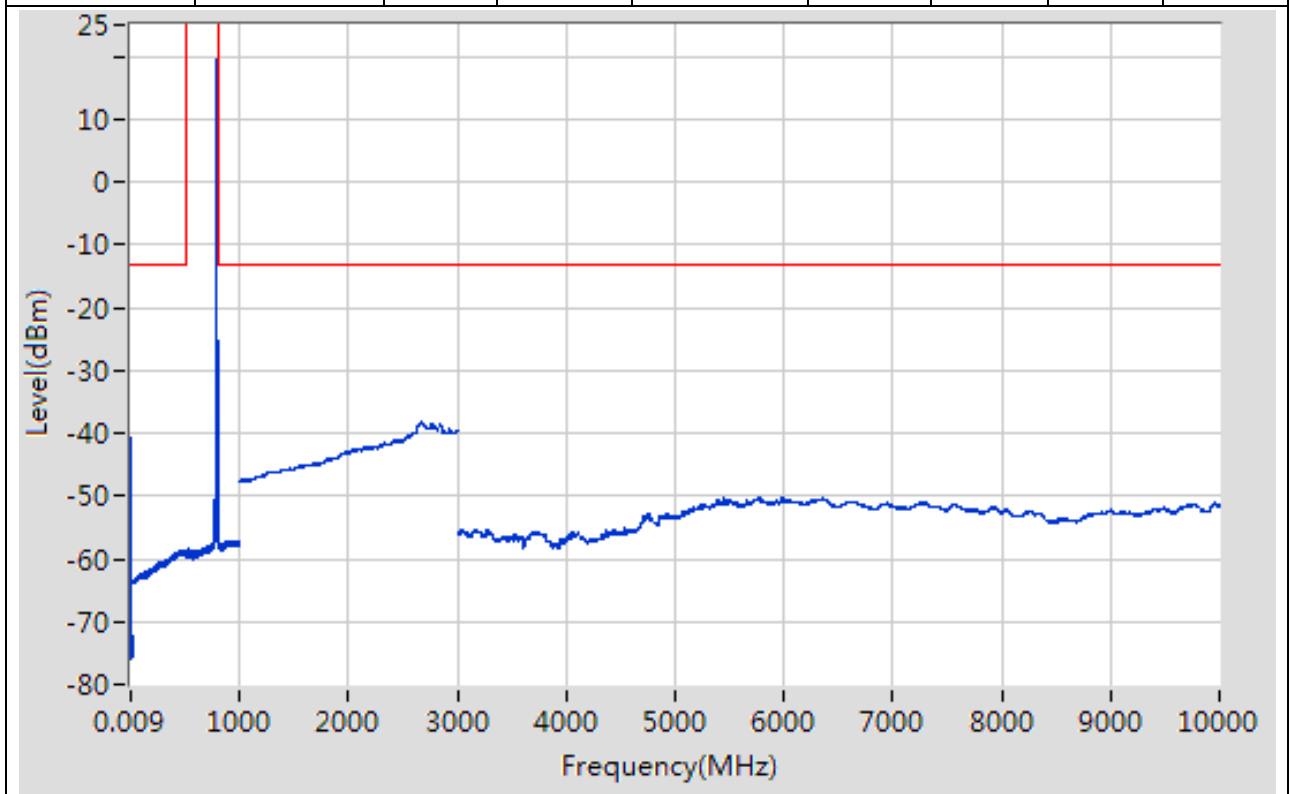
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-47.57	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.35	-13	Pass	2985
30	500	0.1	RMS	498.5	-58.46	-13	Pass	4700
500	795	0.1	RMS	786.397	20.2	60	Pass	2950
795	1000	0.1	RMS	795.2	-53.39	-13	Pass	2050
1000	3000	1	RMS	2666.833	-38.22	-13	Pass	2000
3000	10000	1	RMS	5768.395	-50.01	-13	Pass	7000



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

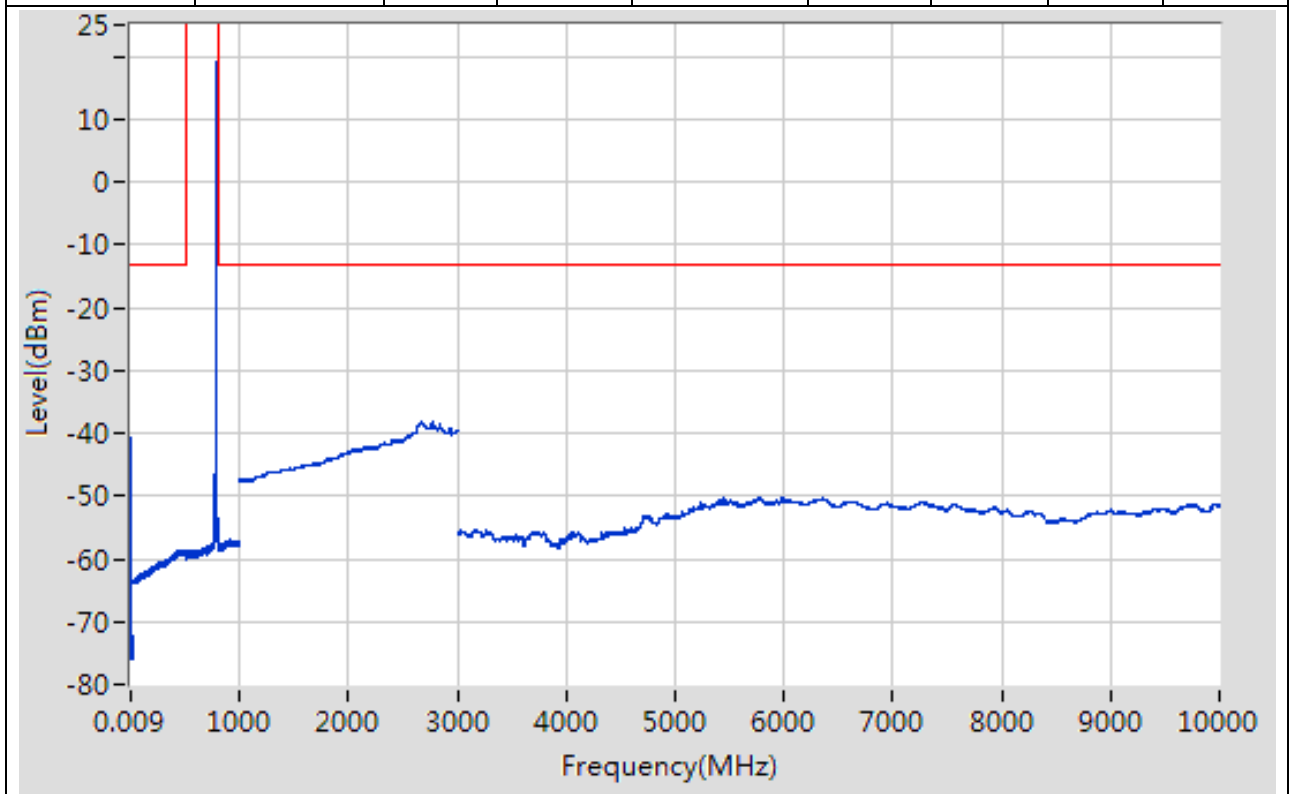
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-48.12	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.7	-13	Pass	2985
30	500	0.1	RMS	492.999	-58.58	-13	Pass	4700
500	795	0.1	RMS	777.594	19.49	60	Pass	2950
795	1000	0.1	RMS	795.2	-25.25	-13	Pass	2050
1000	3000	1	RMS	2672.836	-38.25	-13	Pass	2000
3000	10000	1	RMS	5761.394	-50.1	-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	-47.56	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.66	-13	Pass	2985
30	500	0.1	RMS	479.596	-58.54	-13	Pass	4700
500	795	0.1	RMS	786.397	19.3	60	Pass	2950
795	1000	0.1	RMS	795.2	-53.52	-13	Pass	2050
1000	3000	1	RMS	2668.834	-38.24	-13	Pass	2000
3000	10000	1	RMS	5770.396	-50.1	-13	Pass	7000



END