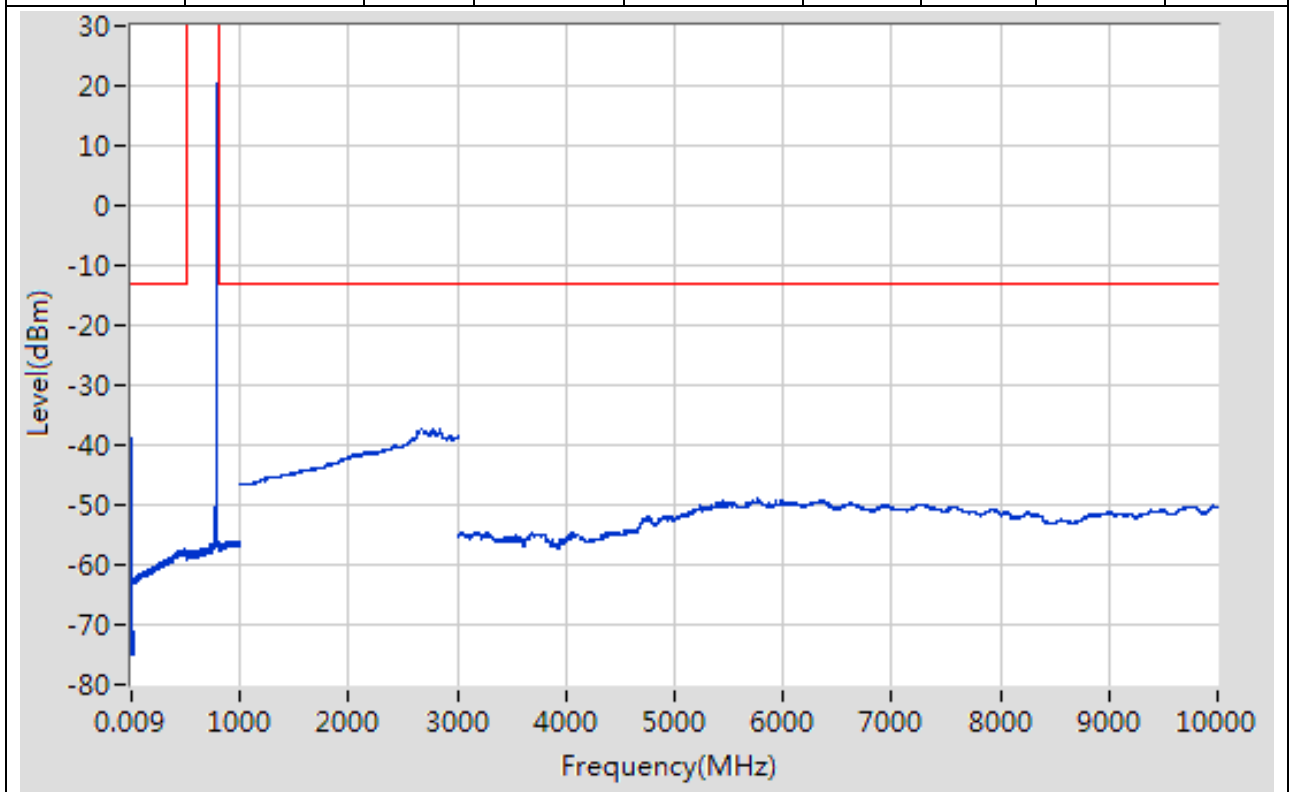


# Annex C. LTE Transmitter Spurious Emissions

## 1. LTE\_Band13

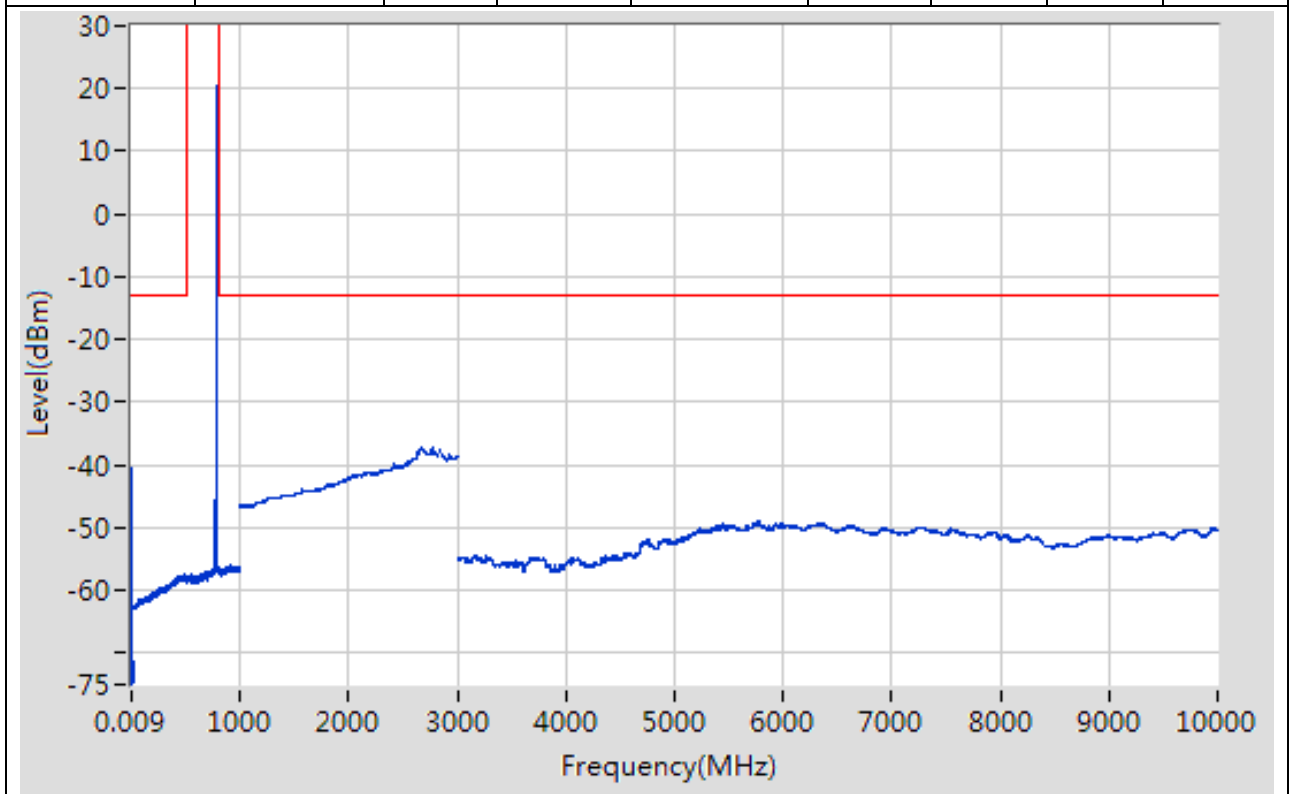
### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-46.36	-13	Pass	601
0.15	30	0.01	RMS	0.15	-38.71	-13	Pass	2985
30	500	0.1	RMS	497.599	-57.4	-13	Pass	4700
500	795	0.1	RMS	777.294	20.51	60	Pass	2950
795	1000	0.1	RMS	919.561	-56.03	-13	Pass	2050
1000	3000	1	RMS	2670.835	-37.28	-13	Pass	2000
3000	10000	1	RMS	5763.395	-48.92	-13	Pass	7000



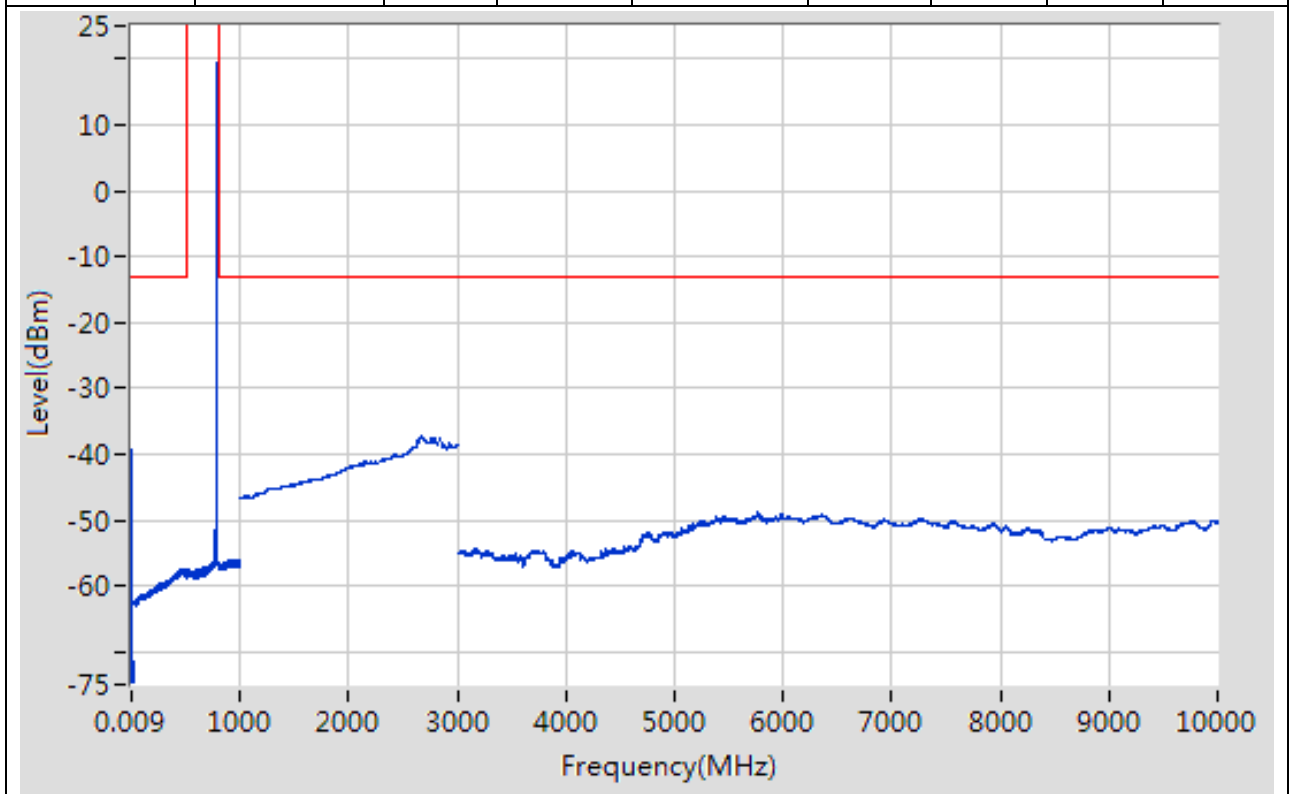
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-46.28	-13	Pass	601
0.15	30	0.01	RMS	0.15	-40.51	-13	Pass	2985
30	500	0.1	RMS	497.8	-57.38	-13	Pass	4700
500	795	0.1	RMS	781.695	20.54	60	Pass	2950
795	1000	0.1	RMS	900.952	-56.08	-13	Pass	2050
1000	3000	1	RMS	2672.836	-37.33	-13	Pass	2000
3000	10000	1	RMS	5767.395	-48.92	-13	Pass	7000



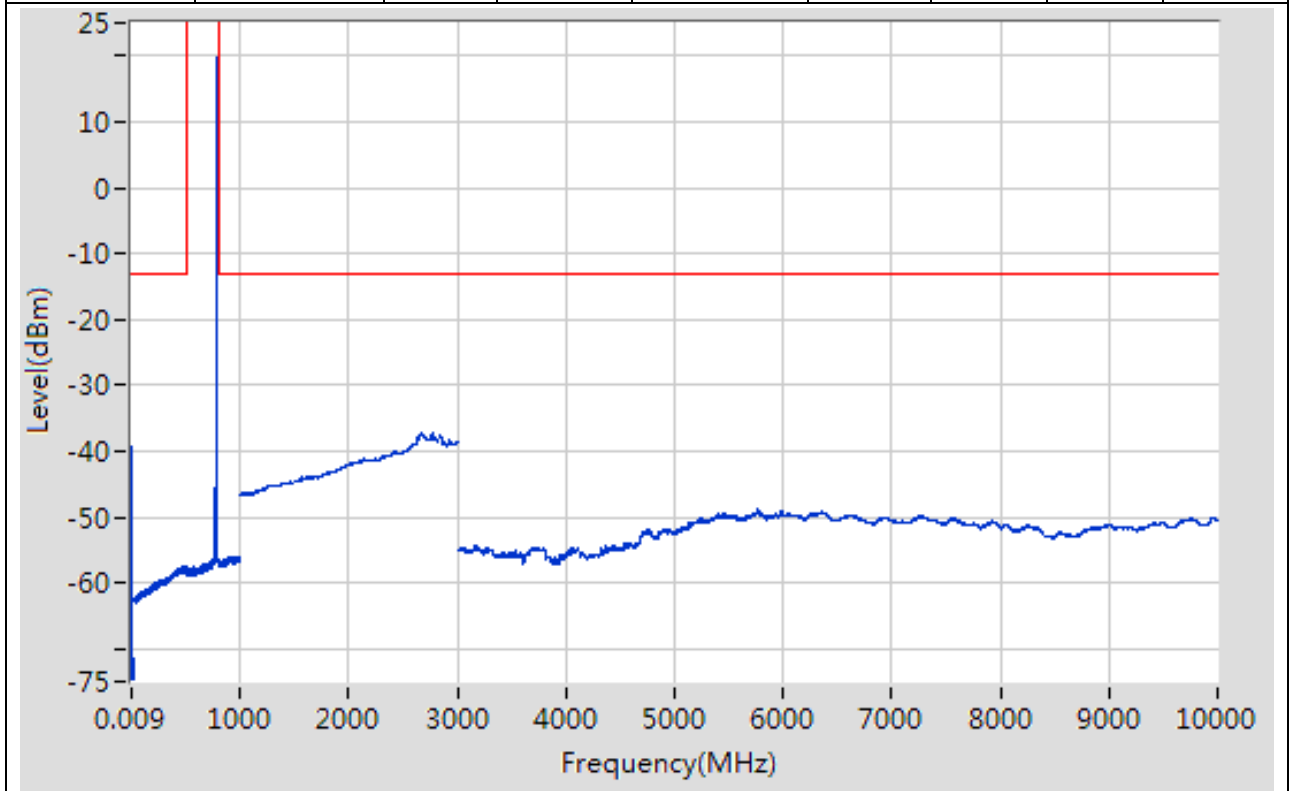
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-47.21	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.42	-13	Pass	2985
30	500	0.1	RMS	464.092	-57.58	-13	Pass	4700
500	795	0.1	RMS	777.394	19.29	60	Pass	2950
795	1000	0.1	RMS	894.248	-55.98	-13	Pass	2050
1000	3000	1	RMS	2666.833	-37.31	-13	Pass	2000
3000	10000	1	RMS	5765.395	-48.9	-13	Pass	7000



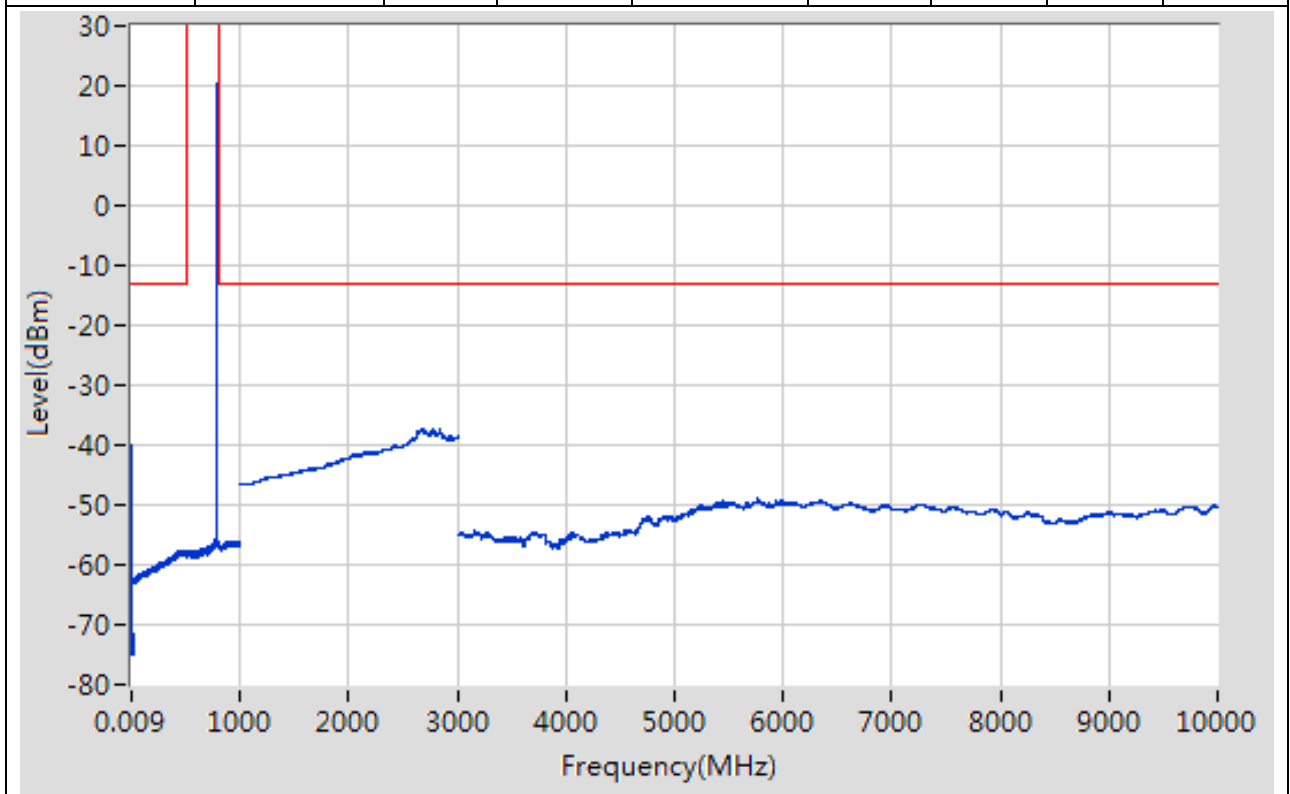
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23205, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-45.75	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.45	-13	Pass	2985
30	500	0.1	RMS	460.992	-57.55	-13	Pass	4700
500	795	0.1	RMS	781.695	19.79	60	Pass	2950
795	1000	0.1	RMS	909.456	-56.02	-13	Pass	2050
1000	3000	1	RMS	2671.836	-37.28	-13	Pass	2000
3000	10000	1	RMS	5765.395	-48.89	-13	Pass	7000



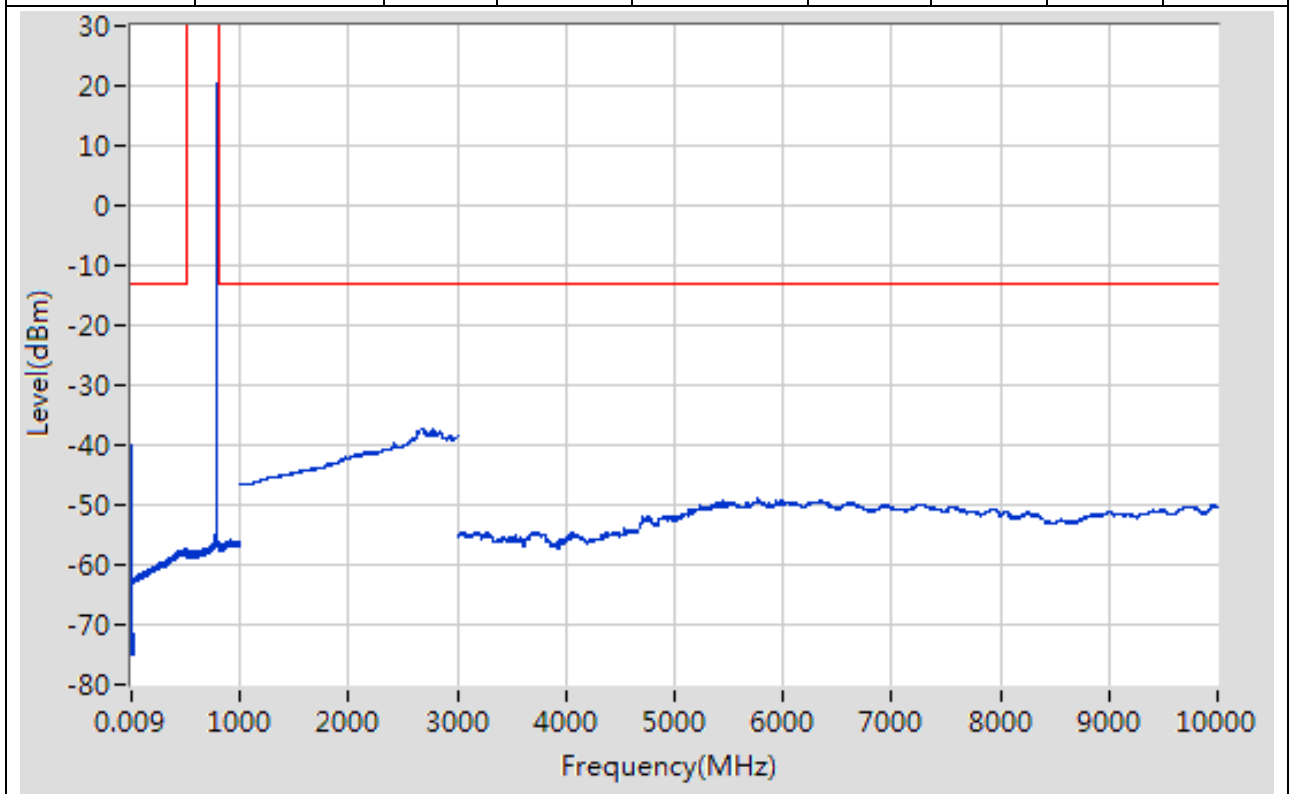
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-46.28	-13	Pass	601
0.15	30	0.01	RMS	0.16	-39.89	-13	Pass	2985
30	500	0.1	RMS	490.698	-57.53	-13	Pass	4700
500	795	0.1	RMS	779.795	20.33	60	Pass	2950
795	1000	0.1	RMS	925.664	-56.11	-13	Pass	2050
1000	3000	1	RMS	2670.835	-37.29	-13	Pass	2000
3000	10000	1	RMS	5769.396	-48.94	-13	Pass	7000



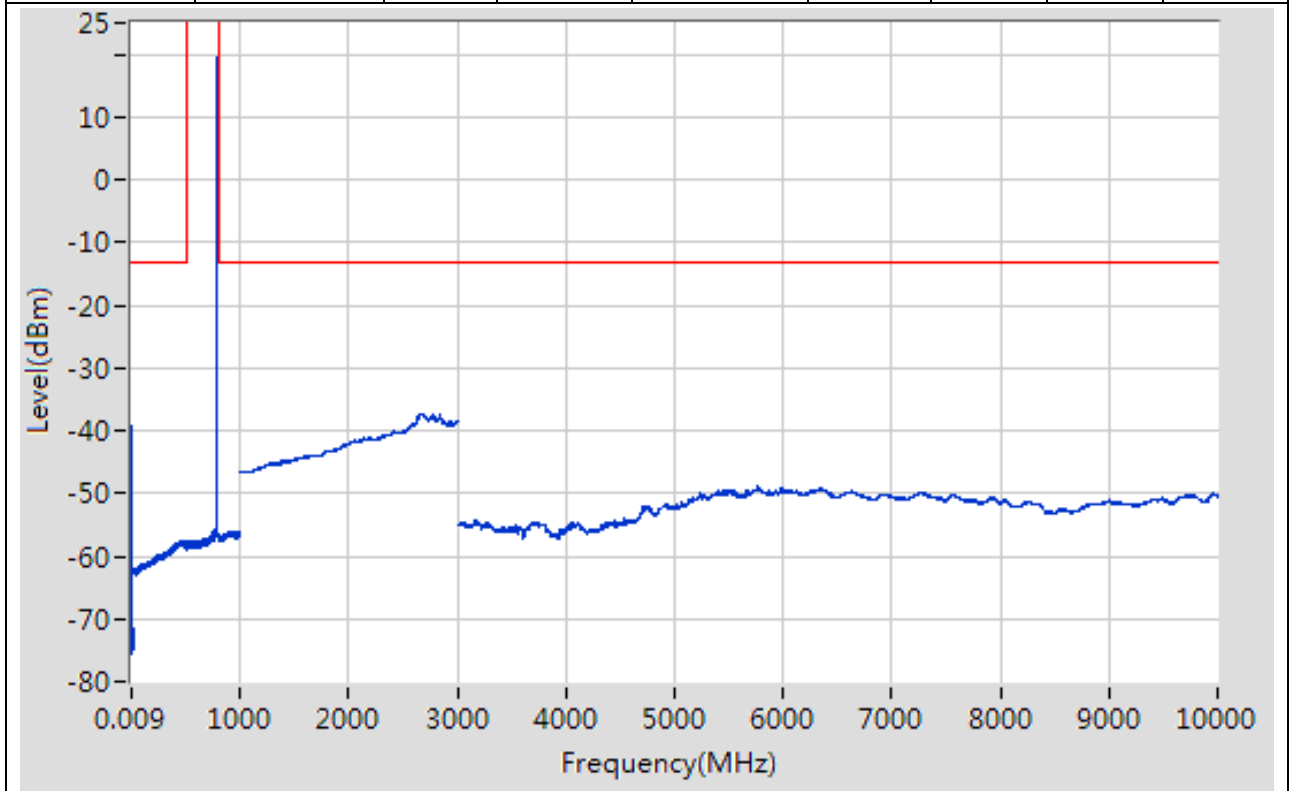
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23230, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.011	-46.1	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.86	-13	Pass	2985
30	500	0.1	RMS	491.698	-57.42	-13	Pass	4700
500	795	0.1	RMS	784.196	20.41	60	Pass	2950
795	1000	0.1	RMS	906.354	-55.67	-13	Pass	2050
1000	3000	1	RMS	2669.835	-37.28	-13	Pass	2000
3000	10000	1	RMS	5769.396	-48.92	-13	Pass	7000



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

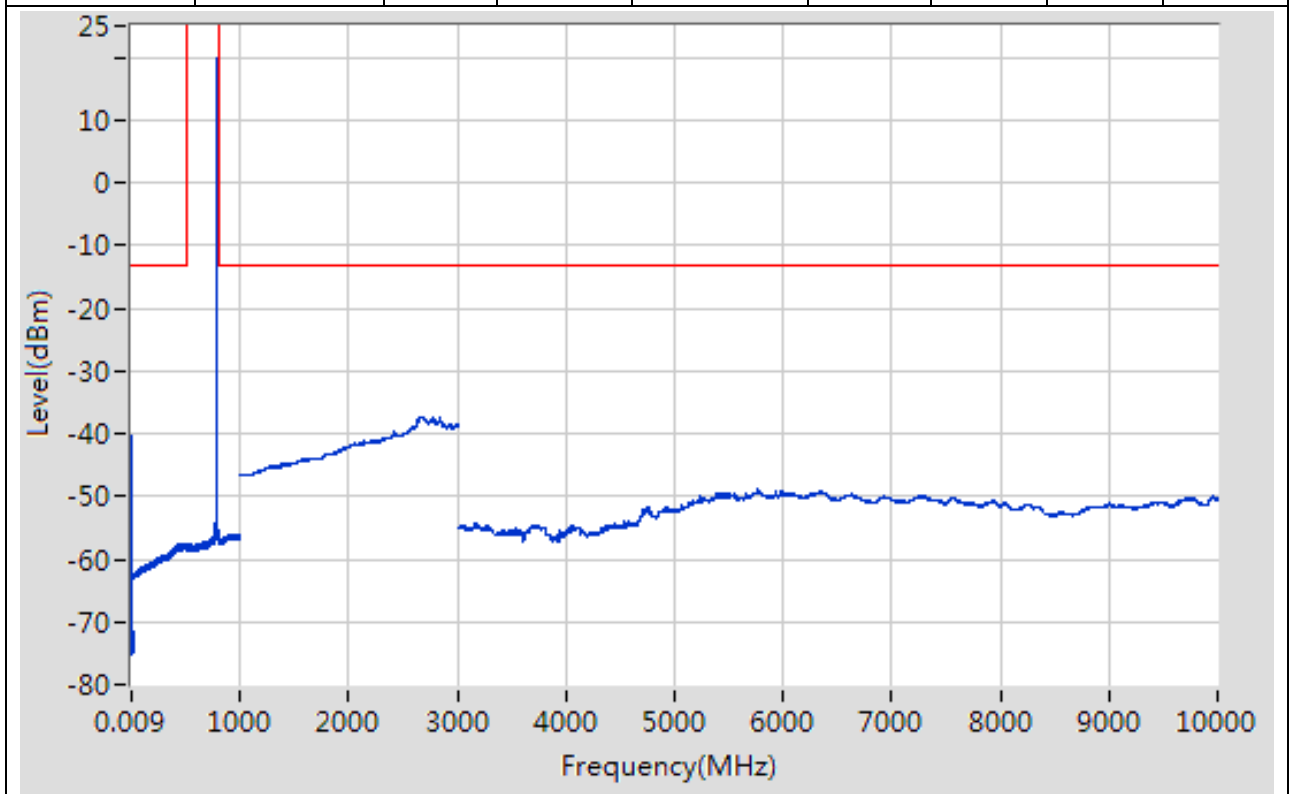
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.73	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.4	-13	Pass	2985
30	500	0.1	RMS	499.1	-57.54	-13	Pass	4700
500	795	0.1	RMS	779.795	19.51	60	Pass	2950
795	1000	0.1	RMS	985.493	-56.05	-13	Pass	2050
1000	3000	1	RMS	2672.836	-37.29	-13	Pass	2000
3000	10000	1	RMS	5763.395	-48.92	-13	Pass	7000





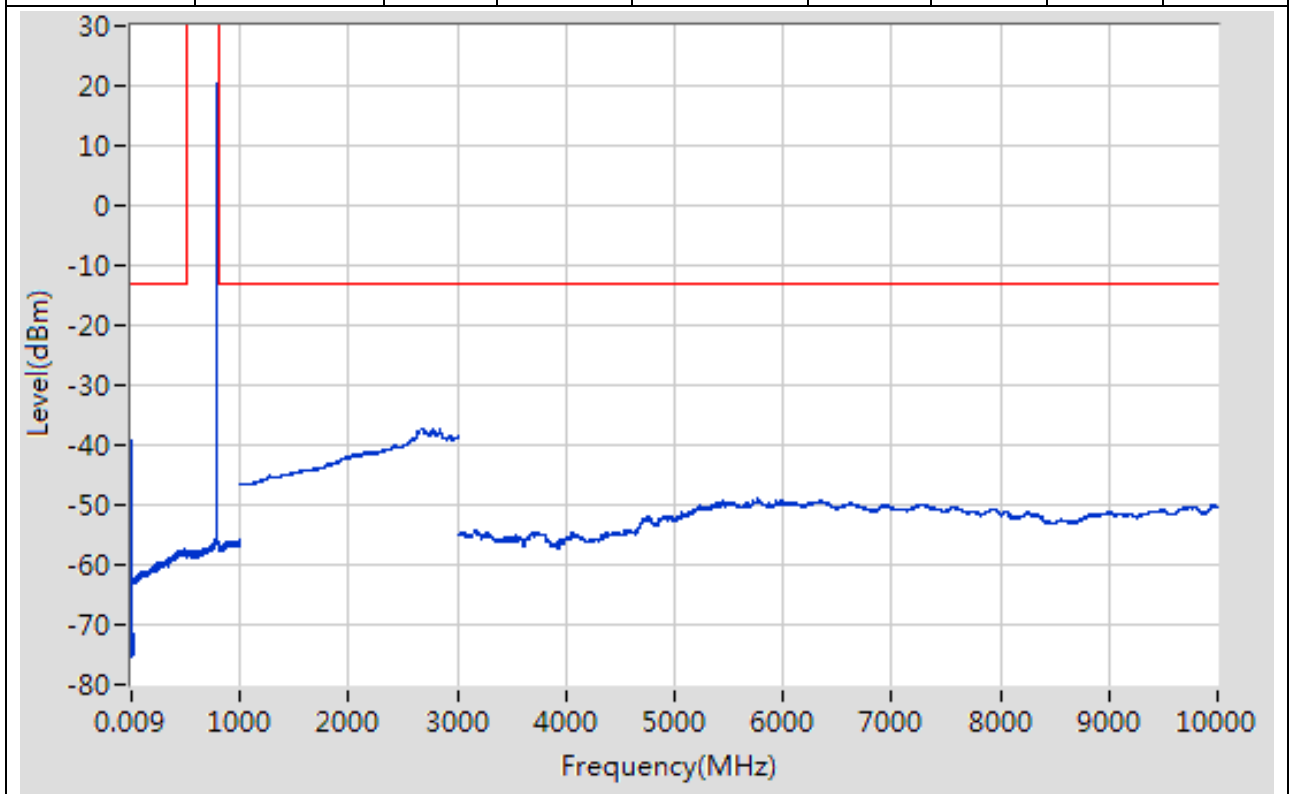
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23230, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.011	-46.14	-13	Pass	601
0.15	30	0.01	RMS	0.16	-40.2	-13	Pass	2985
30	500	0.1	RMS	492.798	-57.53	-13	Pass	4700
500	795	0.1	RMS	784.196	19.73	60	Pass	2950
795	1000	0.1	RMS	989.695	-56.09	-13	Pass	2050
1000	3000	1	RMS	2666.833	-37.26	-13	Pass	2000
3000	10000	1	RMS	5767.395	-48.91	-13	Pass	7000



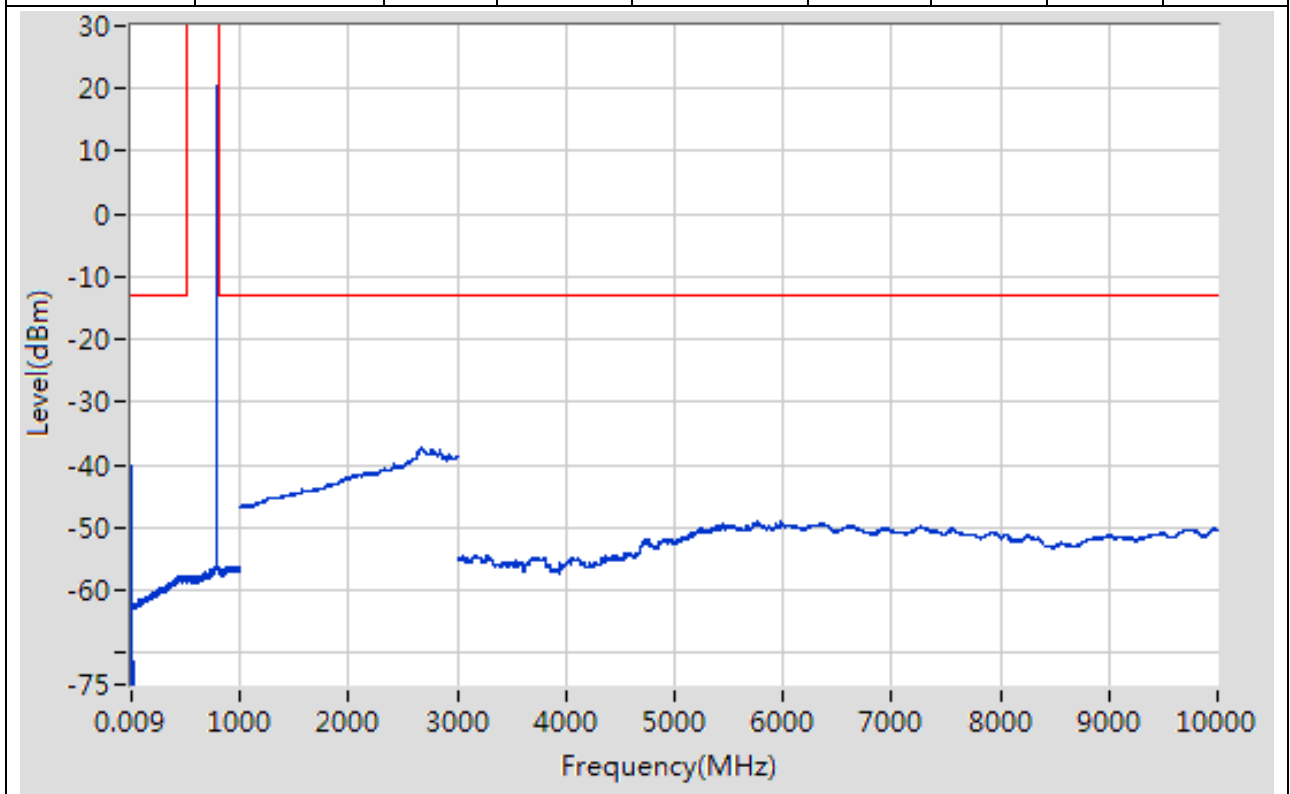
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-47.17	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.28	-13	Pass	2985
30	500	0.1	RMS	495.999	-57.45	-13	Pass	4700
500	795	0.1	RMS	782.296	20.3	60	Pass	2950
795	1000	0.1	RMS	997.999	-55.96	-13	Pass	2050
1000	3000	1	RMS	2672.836	-37.28	-13	Pass	2000
3000	10000	1	RMS	5769.396	-48.92	-13	Pass	7000



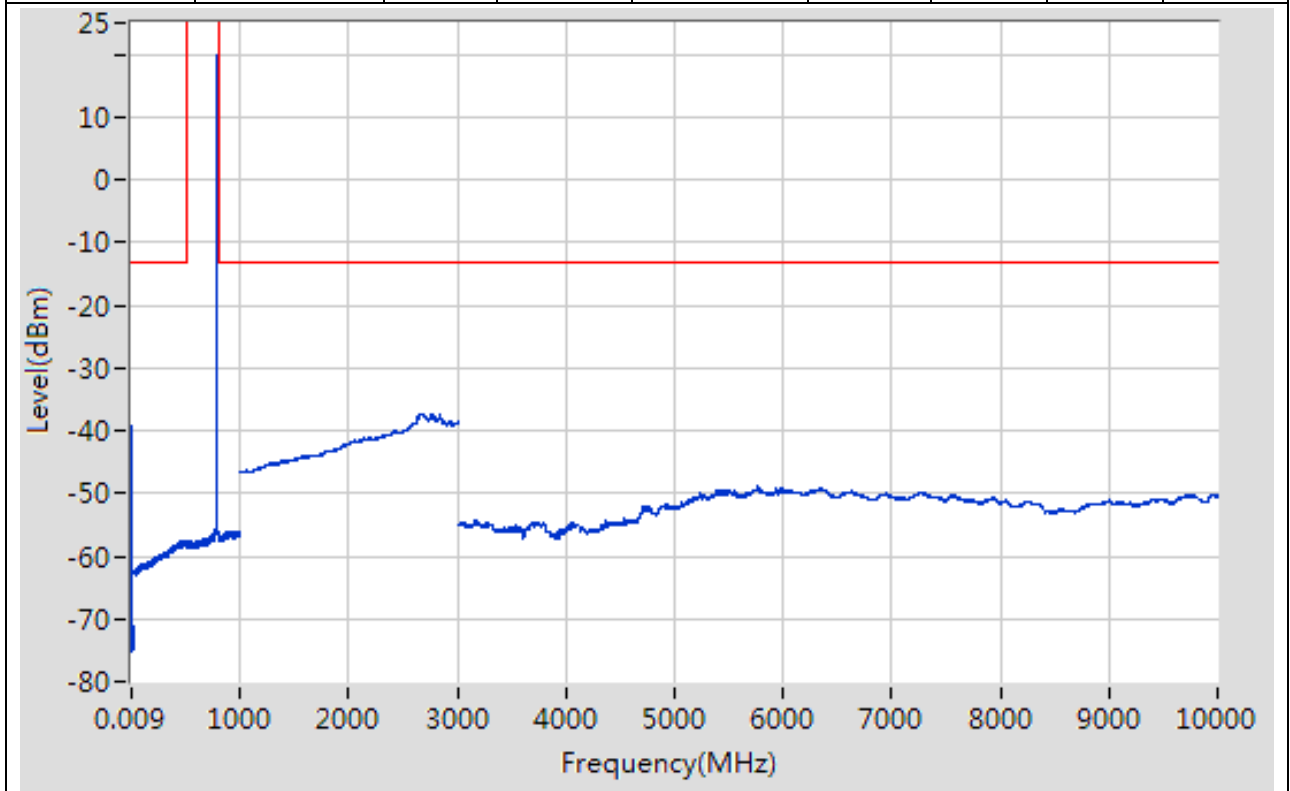
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23255, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-46.72	-13	Pass	601
0.15	30	0.01	RMS	0.16	-40.19	-13	Pass	2985
30	500	0.1	RMS	498.8	-57.56	-13	Pass	4700
500	795	0.1	RMS	786.697	20.39	60	Pass	2950
795	1000	0.1	RMS	978.289	-56.11	-13	Pass	2050
1000	3000	1	RMS	2671.836	-37.31	-13	Pass	2000
3000	10000	1	RMS	5768.395	-48.92	-13	Pass	7000



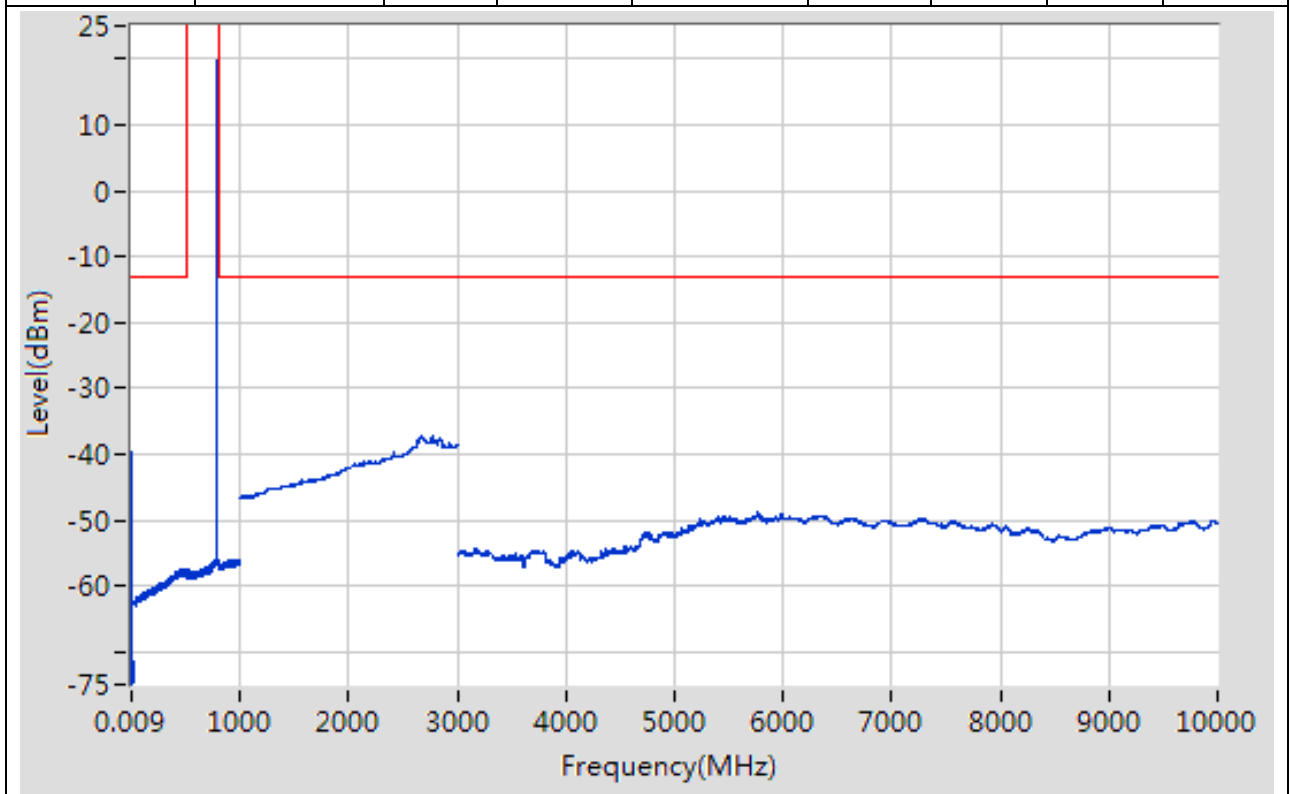
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-47.35	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.32	-13	Pass	2985
30	500	0.1	RMS	493.299	-57.54	-13	Pass	4700
500	795	0.1	RMS	782.296	19.68	60	Pass	2950
795	1000	0.1	RMS	903.553	-56.05	-13	Pass	2050
1000	3000	1	RMS	2673.837	-37.26	-13	Pass	2000
3000	10000	1	RMS	5770.396	-48.93	-13	Pass	7000



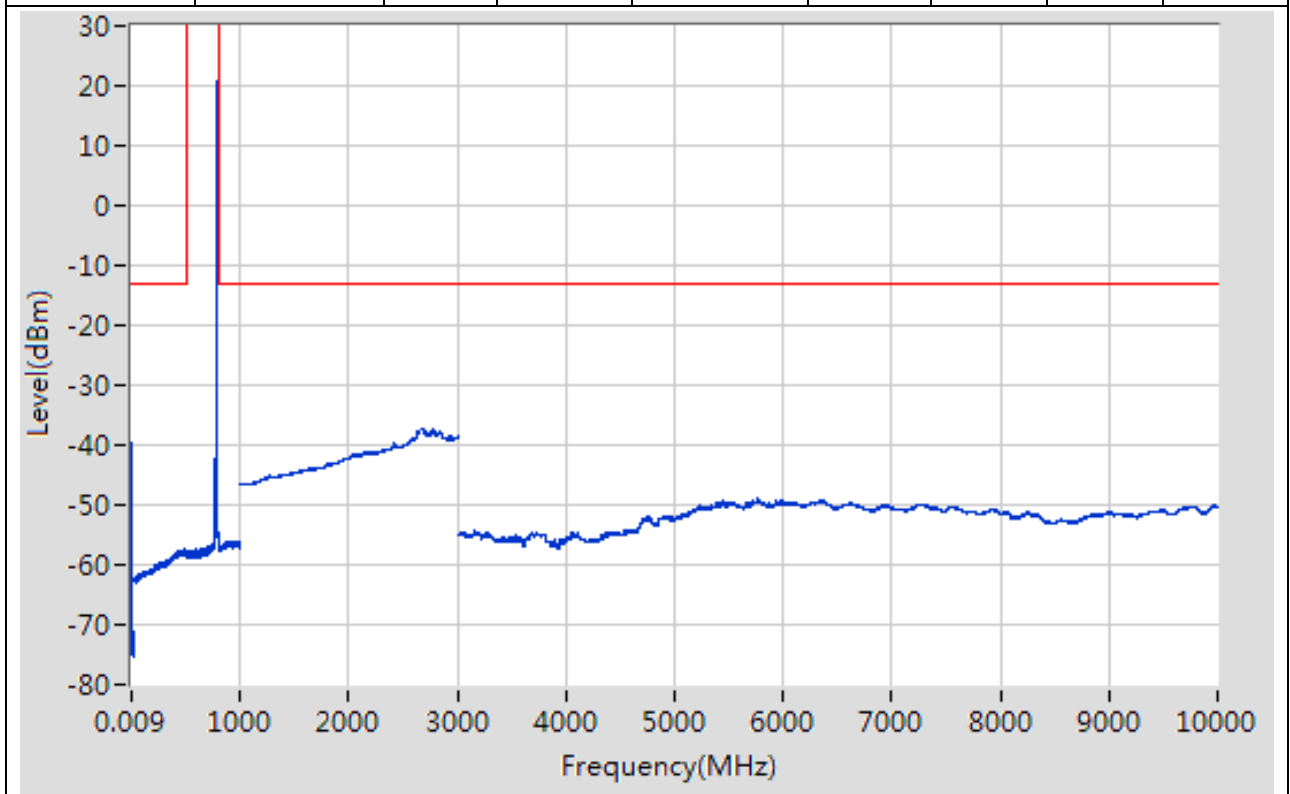
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23255, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-46.09	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.65	-13	Pass	2985
30	500	0.1	RMS	498.9	-57.58	-13	Pass	4700
500	795	0.1	RMS	786.697	19.74	60	Pass	2950
795	1000	0.1	RMS	905.354	-56.03	-13	Pass	2050
1000	3000	1	RMS	2668.834	-37.28	-13	Pass	2000
3000	10000	1	RMS	5759.394	-48.95	-13	Pass	7000



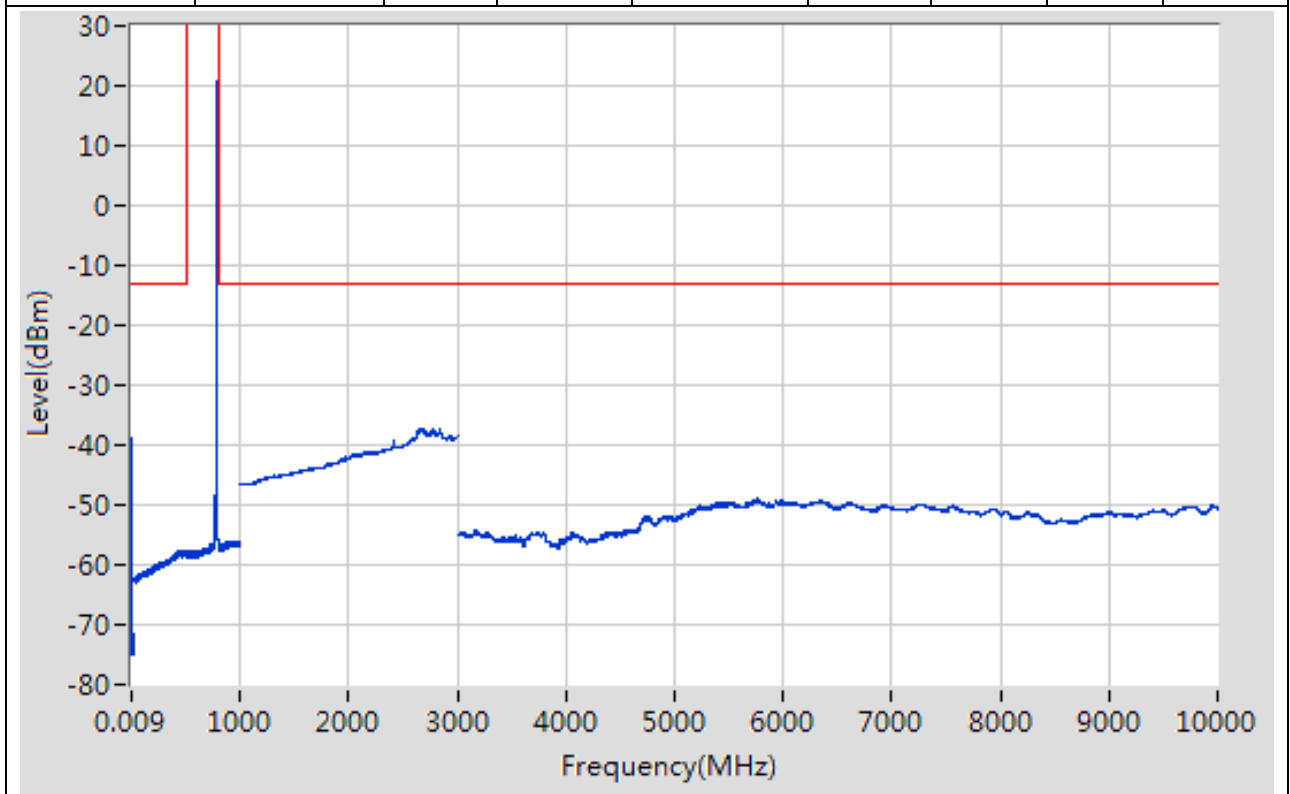
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-46.66	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.58	-13	Pass	2985
30	500	0.1	RMS	494.999	-57.5	-13	Pass	4700
500	795	0.1	RMS	777.594	20.83	60	Pass	2950
795	1000	0.1	RMS	795.2	-54.71	-13	Pass	2050
1000	3000	1	RMS	2667.834	-37.27	-13	Pass	2000
3000	10000	1	RMS	5769.396	-48.98	-13	Pass	7000



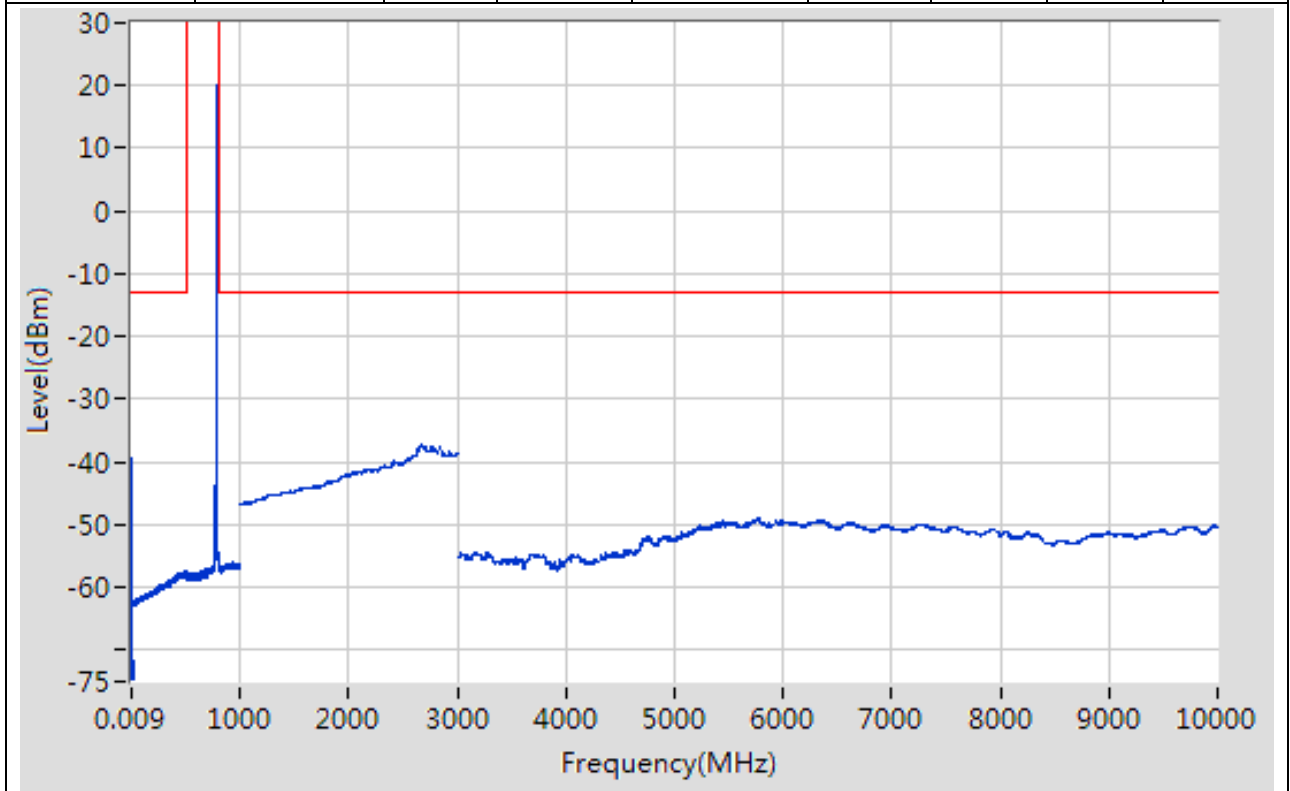
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-46.76	-13	Pass	601
0.15	30	0.01	RMS	0.16	-38.94	-13	Pass	2985
30	500	0.1	RMS	497.7	-57.52	-13	Pass	4700
500	795	0.1	RMS	786.397	20.77	60	Pass	2950
795	1000	0.1	RMS	795.3	-55.74	-13	Pass	2050
1000	3000	1	RMS	2667.834	-37.29	-13	Pass	2000
3000	10000	1	RMS	5768.395	-48.88	-13	Pass	7000



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

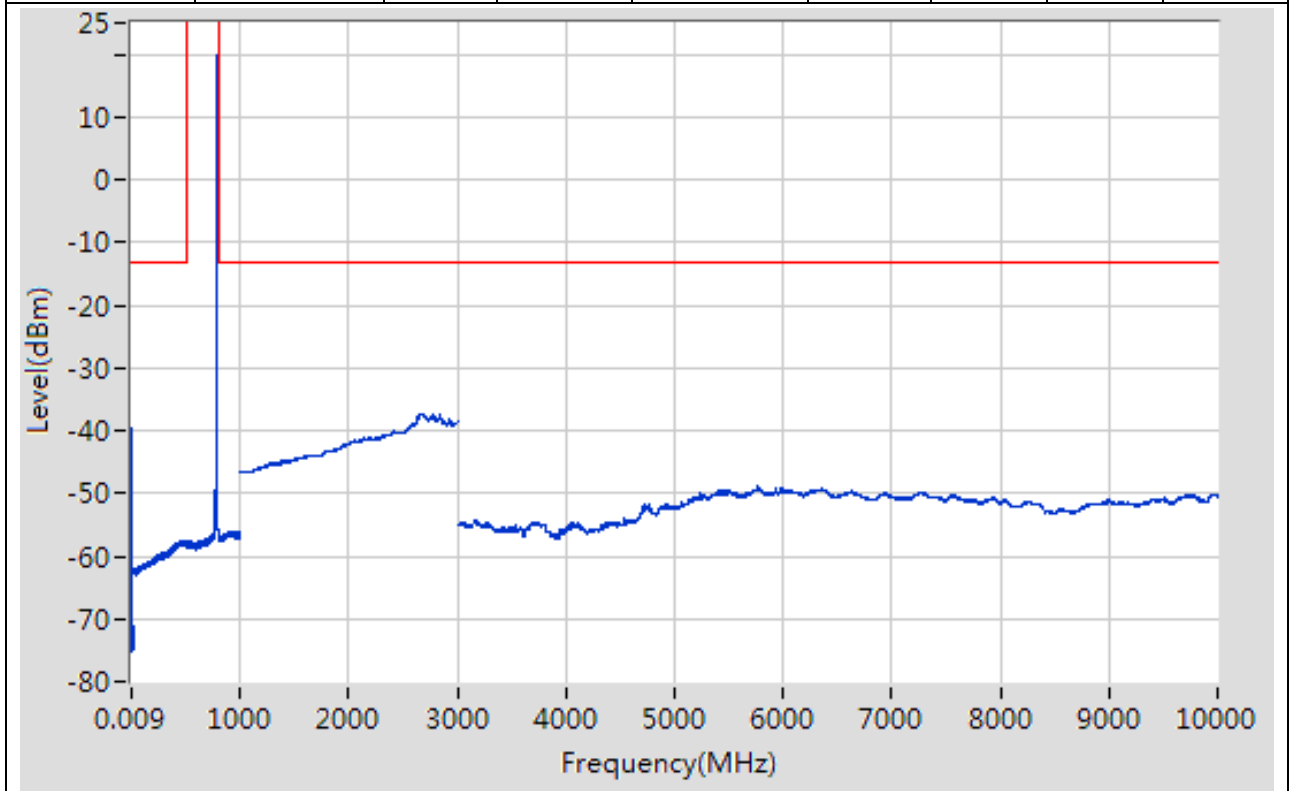
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-46.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.55	-13	Pass	2985
30	500	0.1	RMS	499.4	-57.49	-13	Pass	4700
500	795	0.1	RMS	777.594	20.08	60	Pass	2950
795	1000	0.1	RMS	795.2	-54.44	-13	Pass	2050
1000	3000	1	RMS	2668.834	-37.26	-13	Pass	2000
3000	10000	1	RMS	5766.395	-48.9	-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	-45.68	-13	Pass	601
0.15	30	0.01	RMS	0.15	-39.45	-13	Pass	2985
30	500	0.1	RMS	460.392	-57.43	-13	Pass	4700
500	795	0.1	RMS	786.397	19.94	60	Pass	2950
795	1000	0.1	RMS	795.2	-55.77	-13	Pass	2050
1000	3000	1	RMS	2669.835	-37.27	-13	Pass	2000
3000	10000	1	RMS	5764.395	-48.95	-13	Pass	7000



END