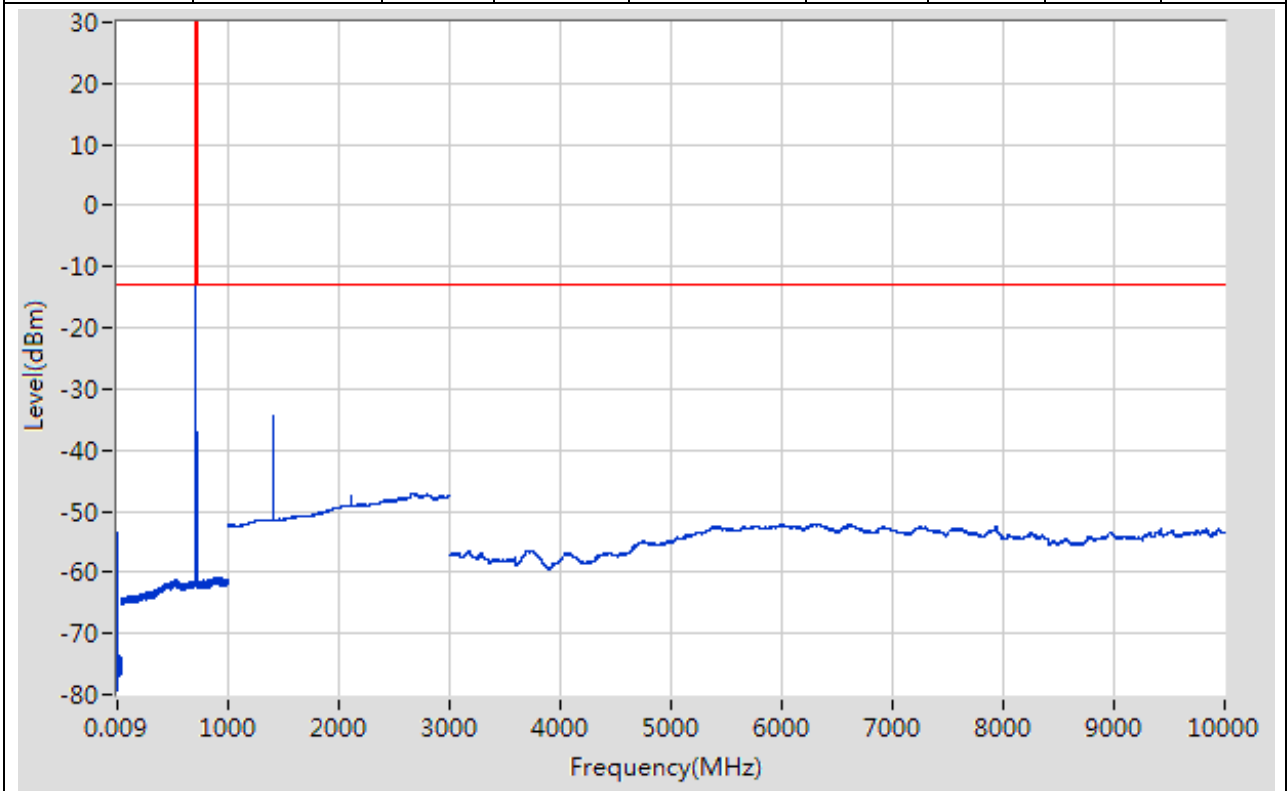


# Annex C. LTE Transmitter Spurious Emissions

## 1. LTE\_Band17

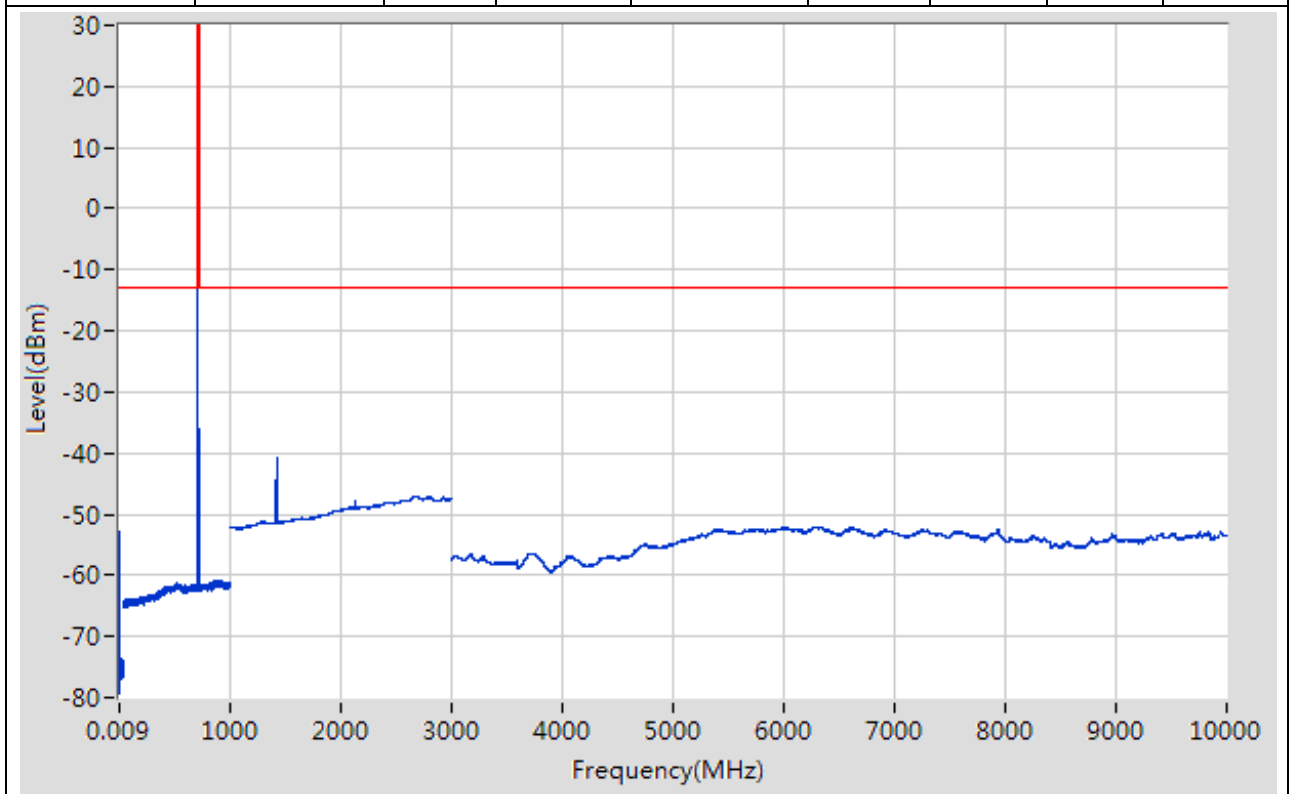
### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-55.71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.46	-13	Pass	2985
30	695	0.1	RMS	518.573	-61.17	-13	Pass	6650
695	725	0.1	RMS	704.35	21.43	60	Pass	601
725	1000	0.1	RMS	894.061	-60.86	-13	Pass	2750
1000	3000	1	RMS	1408.204	-34.48	-13	Pass	2000
3000	10000	1	RMS	6334.476	-52.08	-13	Pass	7000



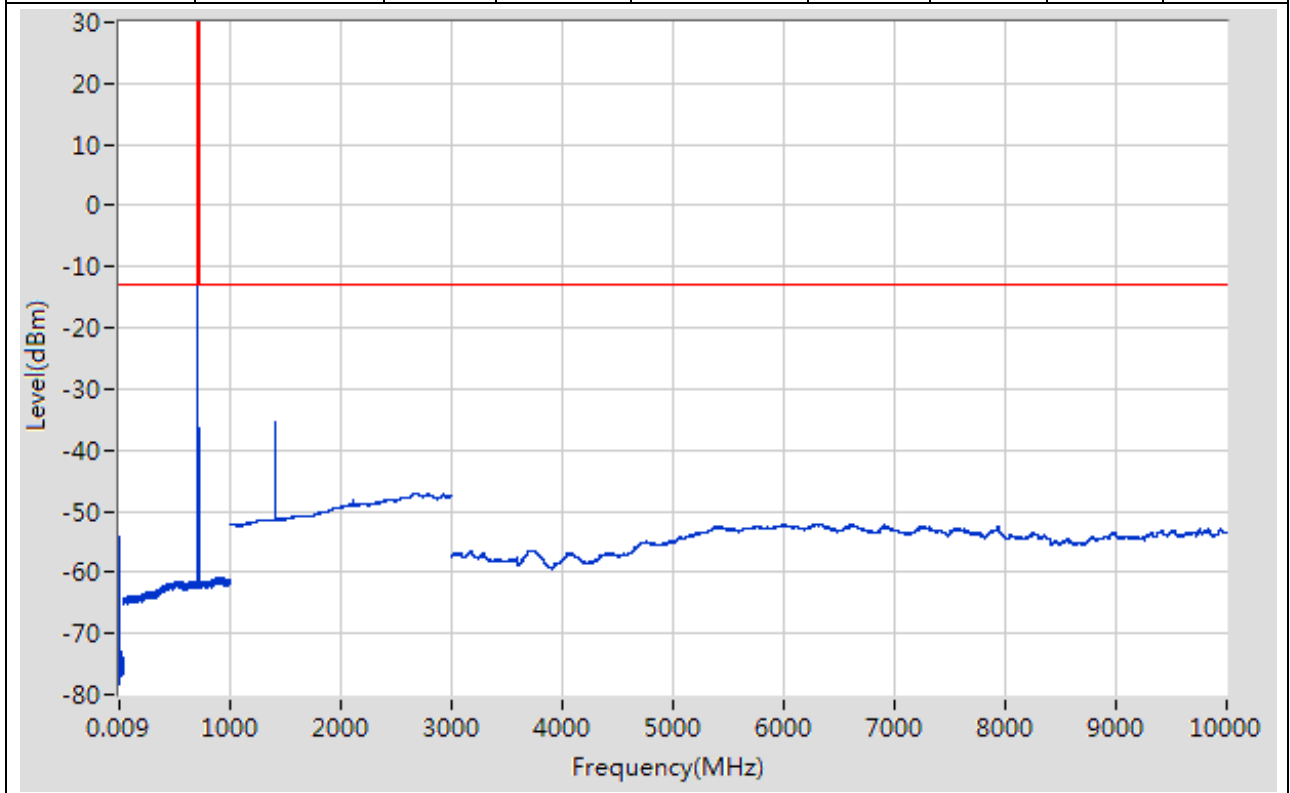
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-55.59	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.86	-13	Pass	2985
30	695	0.1	RMS	523.074	-61.22	-13	Pass	6650
695	725	0.1	RMS	708.65	21.31	60	Pass	601
725	1000	0.1	RMS	880.557	-60.76	-13	Pass	2750
1000	3000	1	RMS	1417.209	-40.78	-13	Pass	2000
3000	10000	1	RMS	6327.475	-52.07	-13	Pass	7000



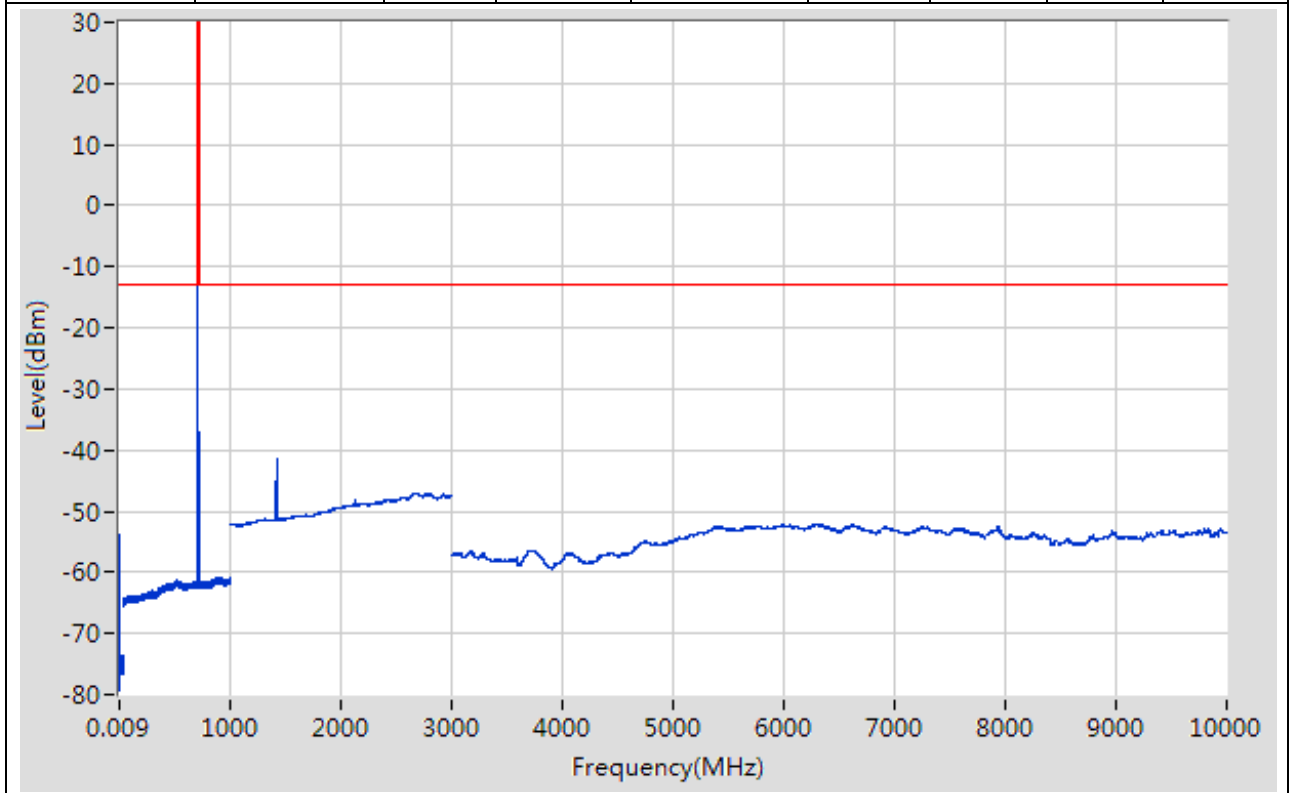
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23755, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)**

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	-54.6	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.23	-13	Pass	2985
30	695	0.1	RMS	527.875	-61.41	-13	Pass	6650
695	725	0.1	RMS	704.35	20.52	60	Pass	601
725	1000	0.1	RMS	906.866	-60.8	-13	Pass	2750
1000	3000	1	RMS	1408.204	-35.4	-13	Pass	2000
3000	10000	1	RMS	6327.475	-52.02	-13	Pass	7000



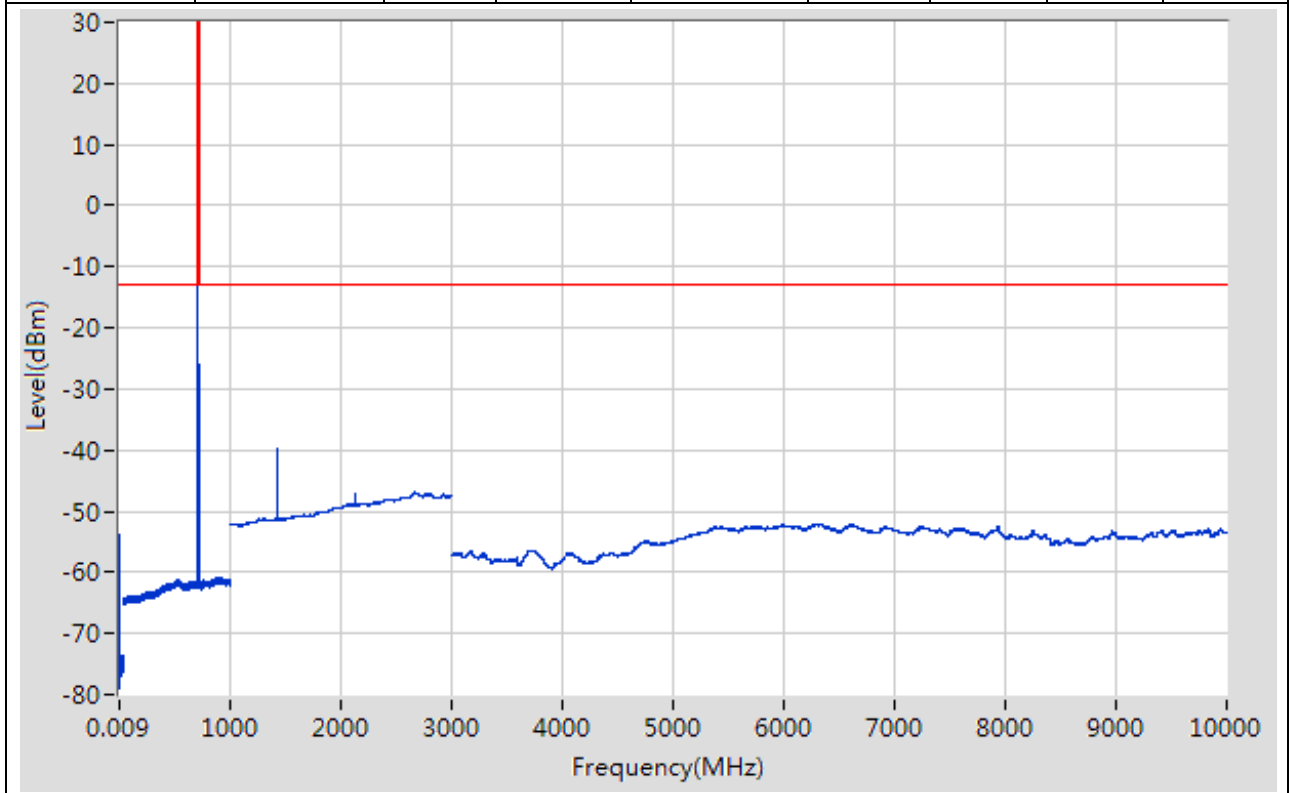
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23755, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**

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	-55	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.98	-13	Pass	2985
30	695	0.1	RMS	527.275	-61.28	-13	Pass	6650
695	725	0.1	RMS	708.65	20.49	60	Pass	601
725	1000	0.1	RMS	994.898	-60.92	-13	Pass	2750
1000	3000	1	RMS	1417.209	-41.49	-13	Pass	2000
3000	10000	1	RMS	6308.473	-52.09	-13	Pass	7000



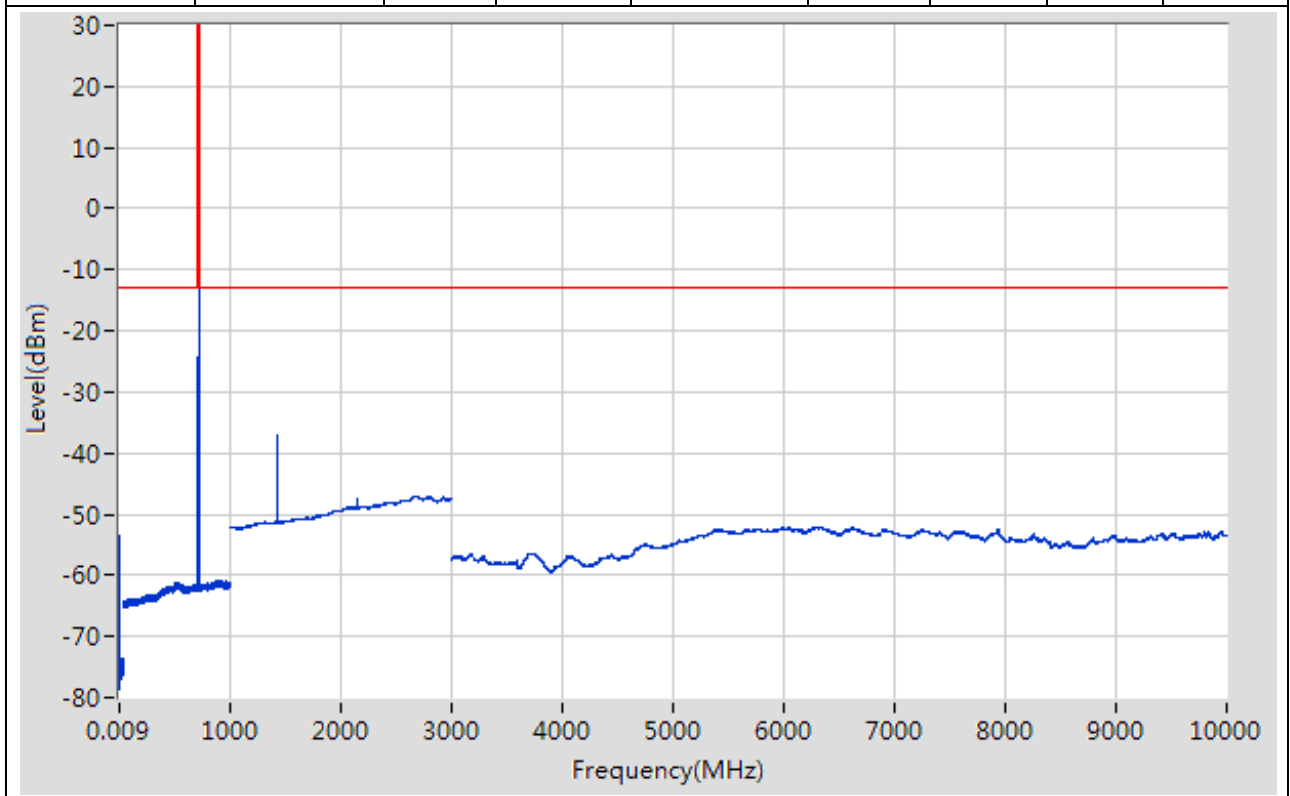
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-55.16	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.85	-13	Pass	2985
30	695	0.1	RMS	520.474	-61.26	-13	Pass	6650
695	725	0.1	RMS	711.35	21.52	60	Pass	601
725	1000	0.1	RMS	913.469	-60.84	-13	Pass	2750
1000	3000	1	RMS	1422.211	-39.76	-13	Pass	2000
3000	10000	1	RMS	6285.469	-52.11	-13	Pass	7000



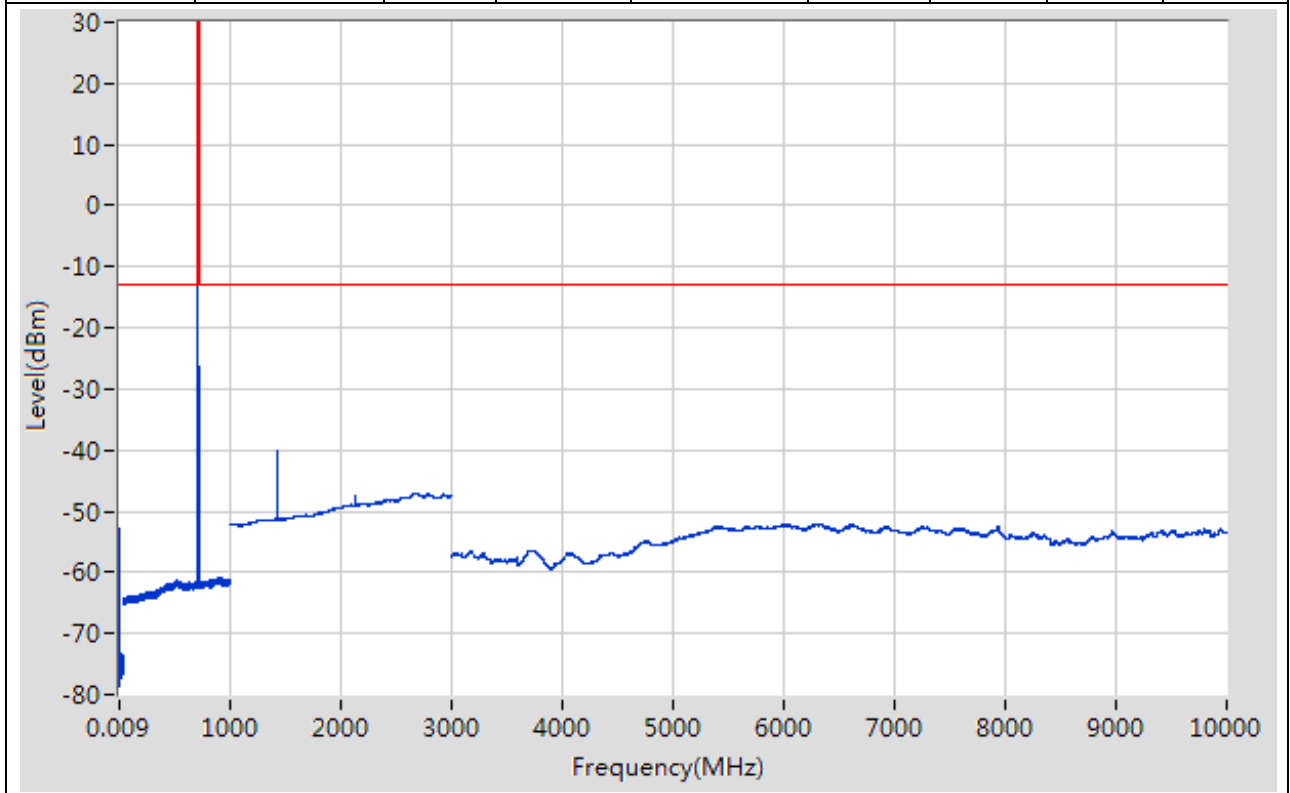
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-55.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.47	-13	Pass	2985
30	695	0.1	RMS	526.475	-61.18	-13	Pass	6650
695	725	0.1	RMS	715.65	21.43	60	Pass	601
725	1000	0.1	RMS	906.366	-60.78	-13	Pass	2750
1000	3000	1	RMS	1431.216	-37.12	-13	Pass	2000
3000	10000	1	RMS	6326.475	-52.06	-13	Pass	7000



**1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23825, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)**

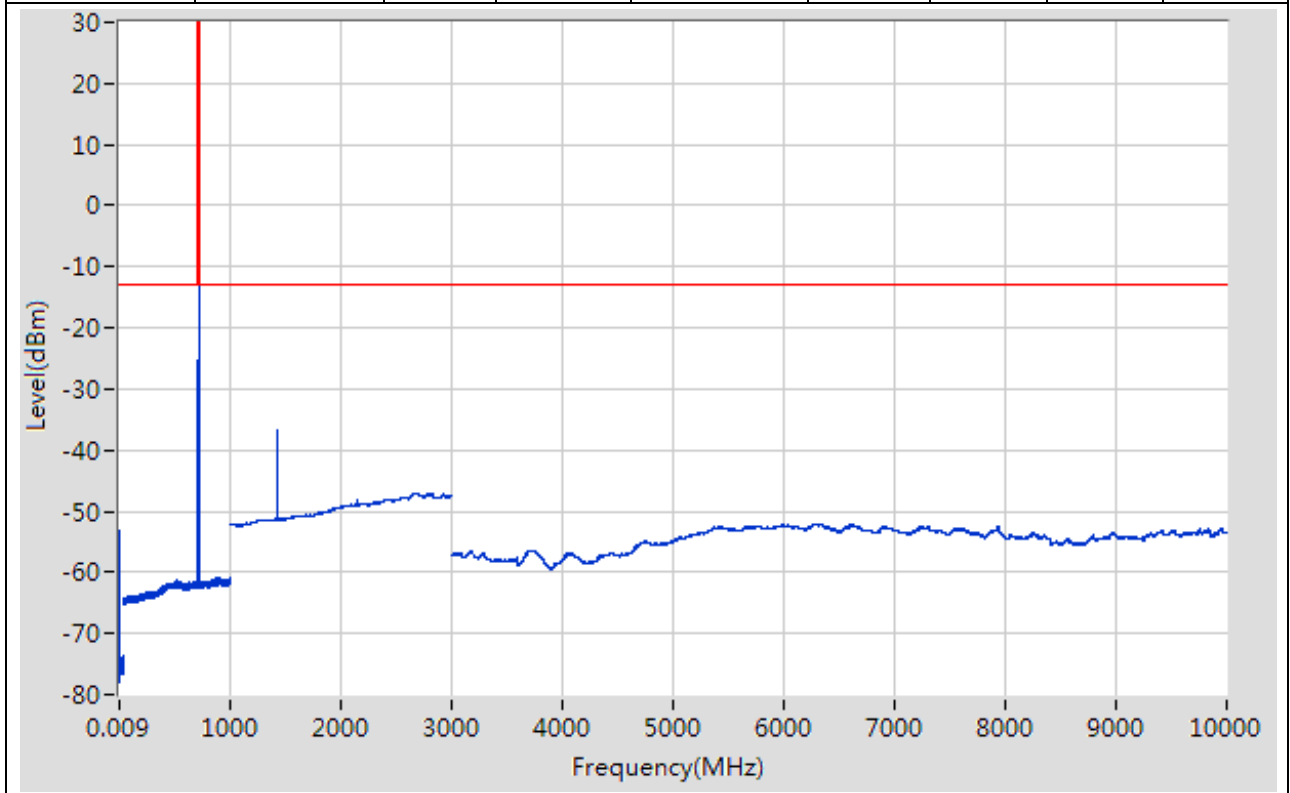
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-55.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.68	-13	Pass	2985
30	695	0.1	RMS	513.473	-61.3	-13	Pass	6650
695	725	0.1	RMS	711.35	20.64	60	Pass	601
725	1000	0.1	RMS	880.056	-60.73	-13	Pass	2750
1000	3000	1	RMS	1422.211	-40.21	-13	Pass	2000
3000	10000	1	RMS	6328.475	-52.08	-13	Pass	7000





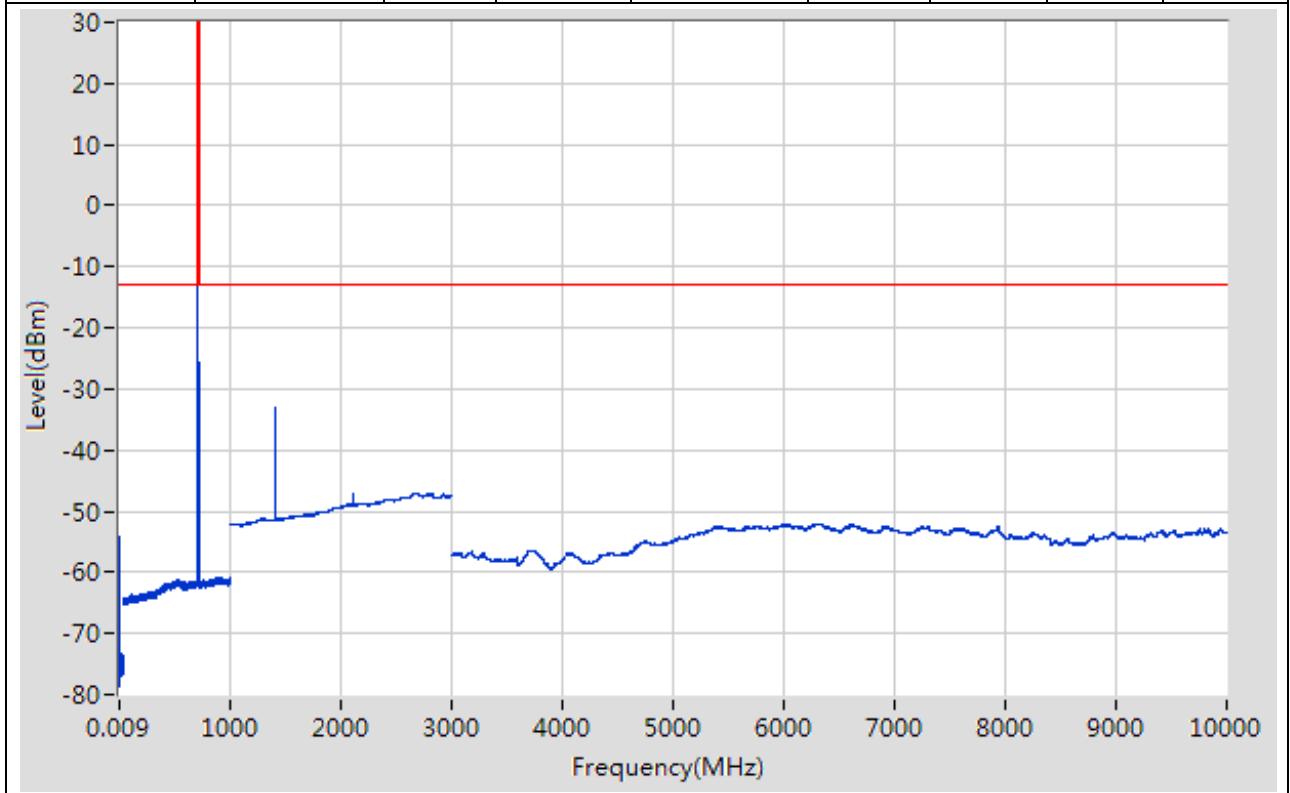
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23825, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**

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	-55.78	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.2	-13	Pass	2985
30	695	0.1	RMS	523.074	-61.32	-13	Pass	6650
695	725	0.1	RMS	715.65	20.27	60	Pass	601
725	1000	0.1	RMS	899.263	-60.89	-13	Pass	2750
1000	3000	1	RMS	1431.216	-36.65	-13	Pass	2000
3000	10000	1	RMS	6339.477	-52.02	-13	Pass	7000



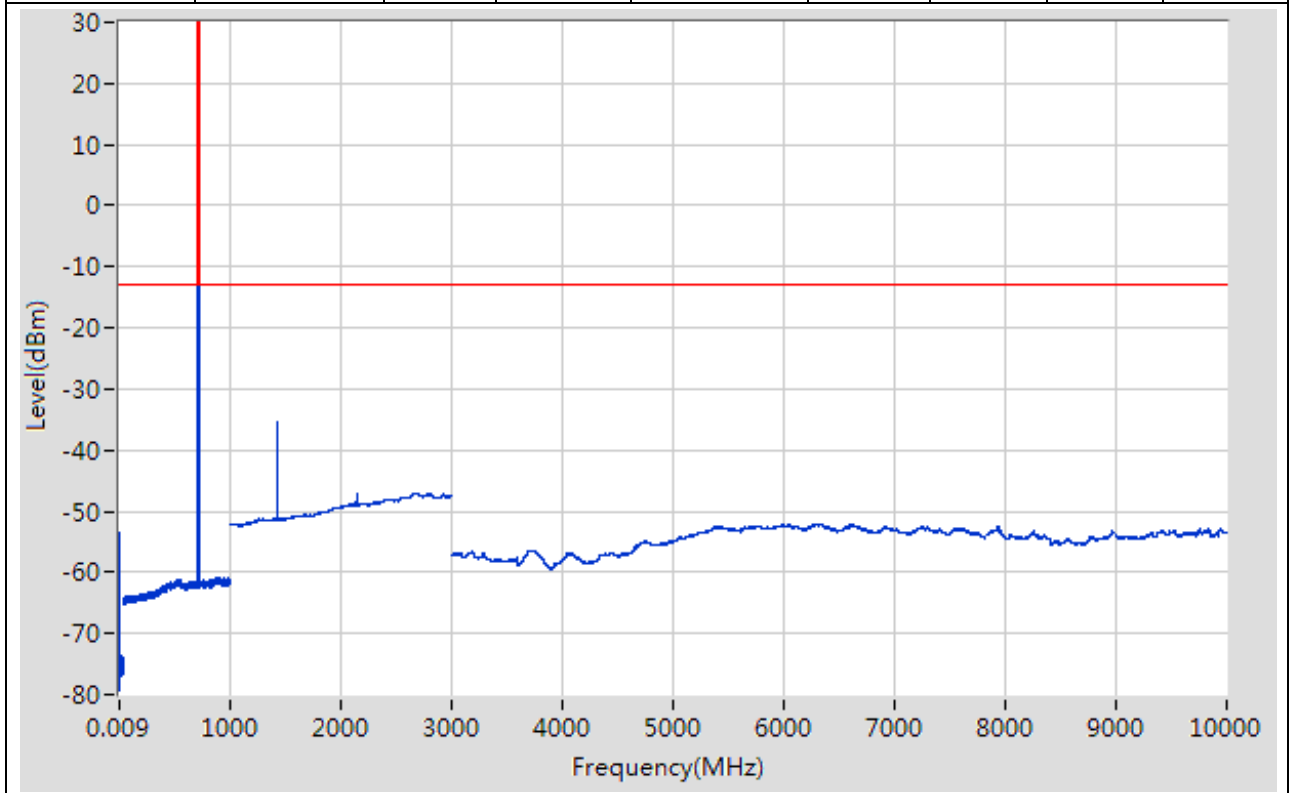
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-55.42	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.06	-13	Pass	2985
30	695	0.1	RMS	523.374	-61.14	-13	Pass	6650
695	725	0.1	RMS	704.6	21.65	60	Pass	601
725	1000	0.1	RMS	889.36	-60.77	-13	Pass	2750
1000	3000	1	RMS	1409.205	-32.91	-13	Pass	2000
3000	10000	1	RMS	6327.475	-52.06	-13	Pass	7000



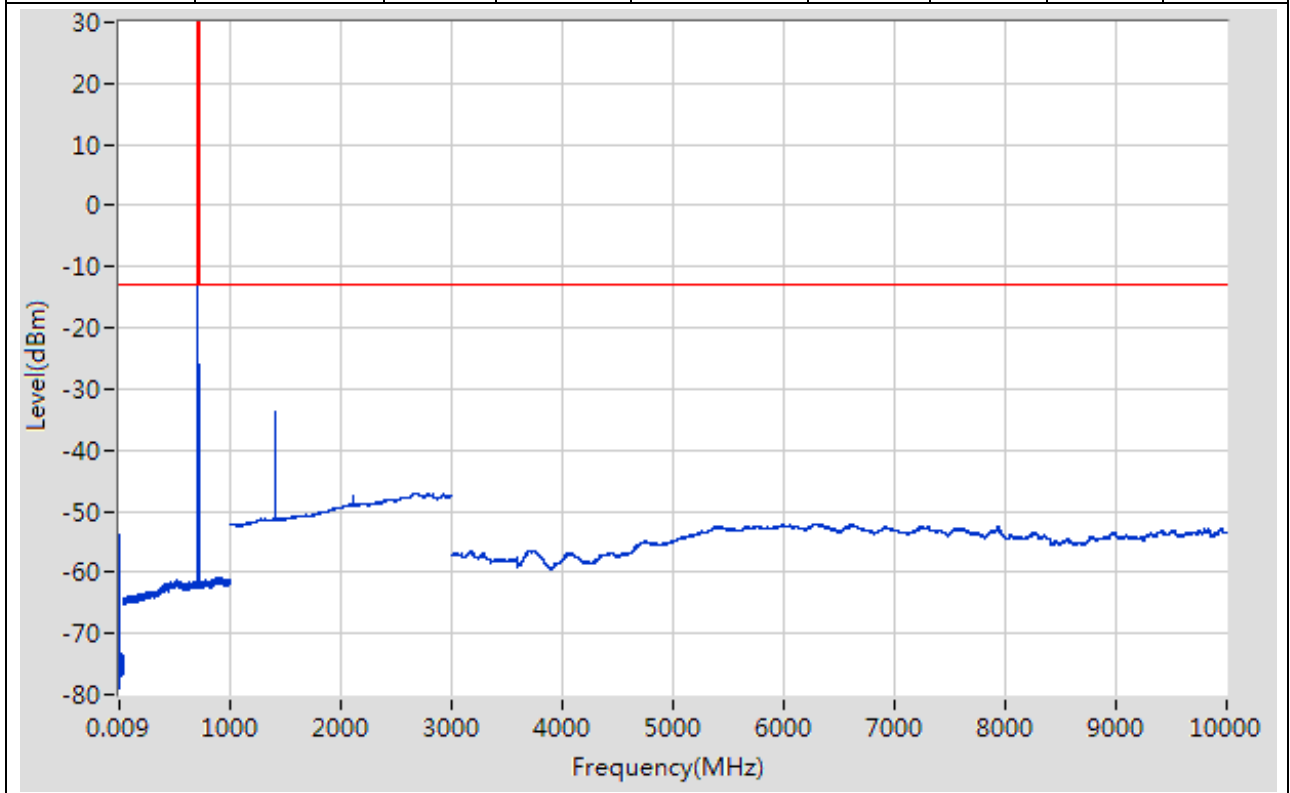
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-54.91	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.44	-13	Pass	2985
30	695	0.1	RMS	529.875	-61.25	-13	Pass	6650
695	725	0.1	RMS	713.4	21.44	60	Pass	601
725	1000	0.1	RMS	885.658	-60.82	-13	Pass	2750
1000	3000	1	RMS	1427.214	-35.33	-13	Pass	2000
3000	10000	1	RMS	6286.469	-52.11	-13	Pass	7000



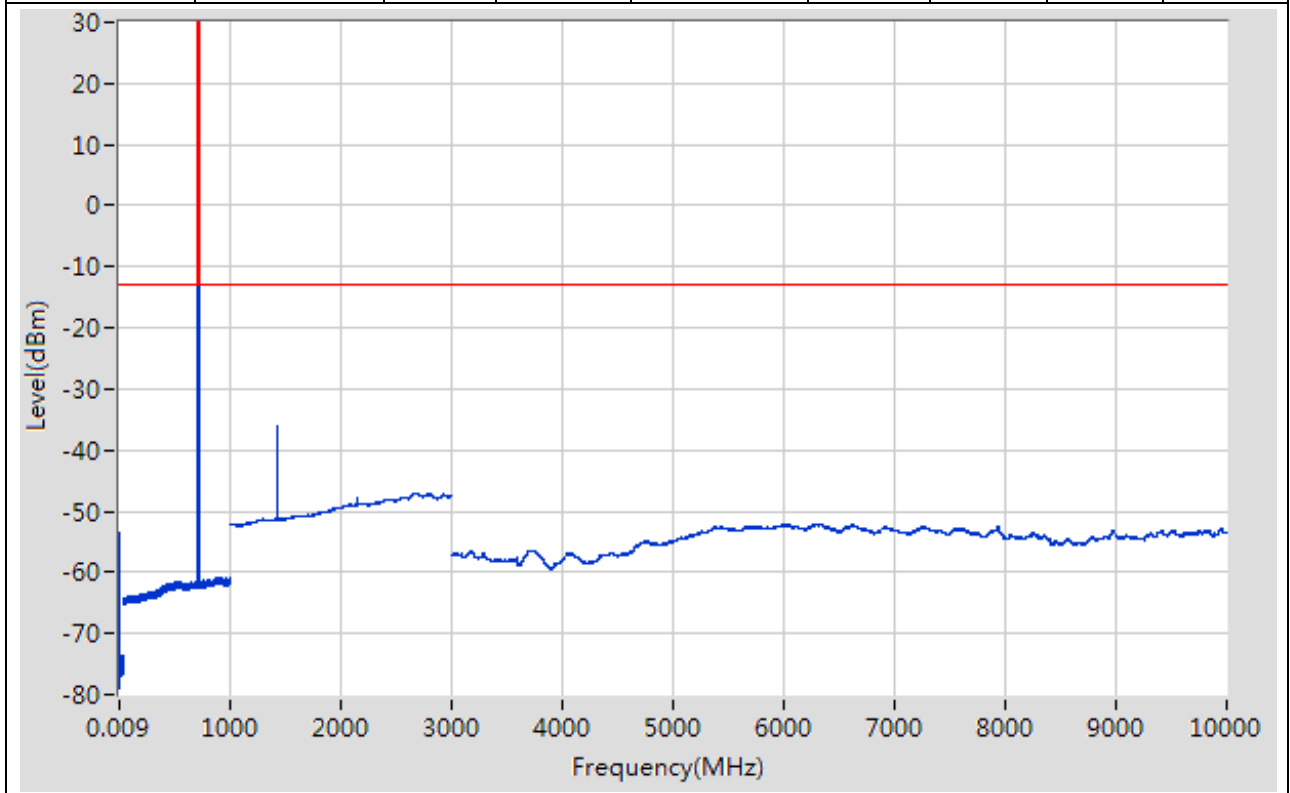
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:23780, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)**

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	-55.24	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.99	-13	Pass	2985
30	695	0.1	RMS	527.075	-61.26	-13	Pass	6650
695	725	0.1	RMS	704.6	20.7	60	Pass	601
725	1000	0.1	RMS	924.172	-60.92	-13	Pass	2750
1000	3000	1	RMS	1409.205	-33.86	-13	Pass	2000
3000	10000	1	RMS	6305.472	-52.11	-13	Pass	7000



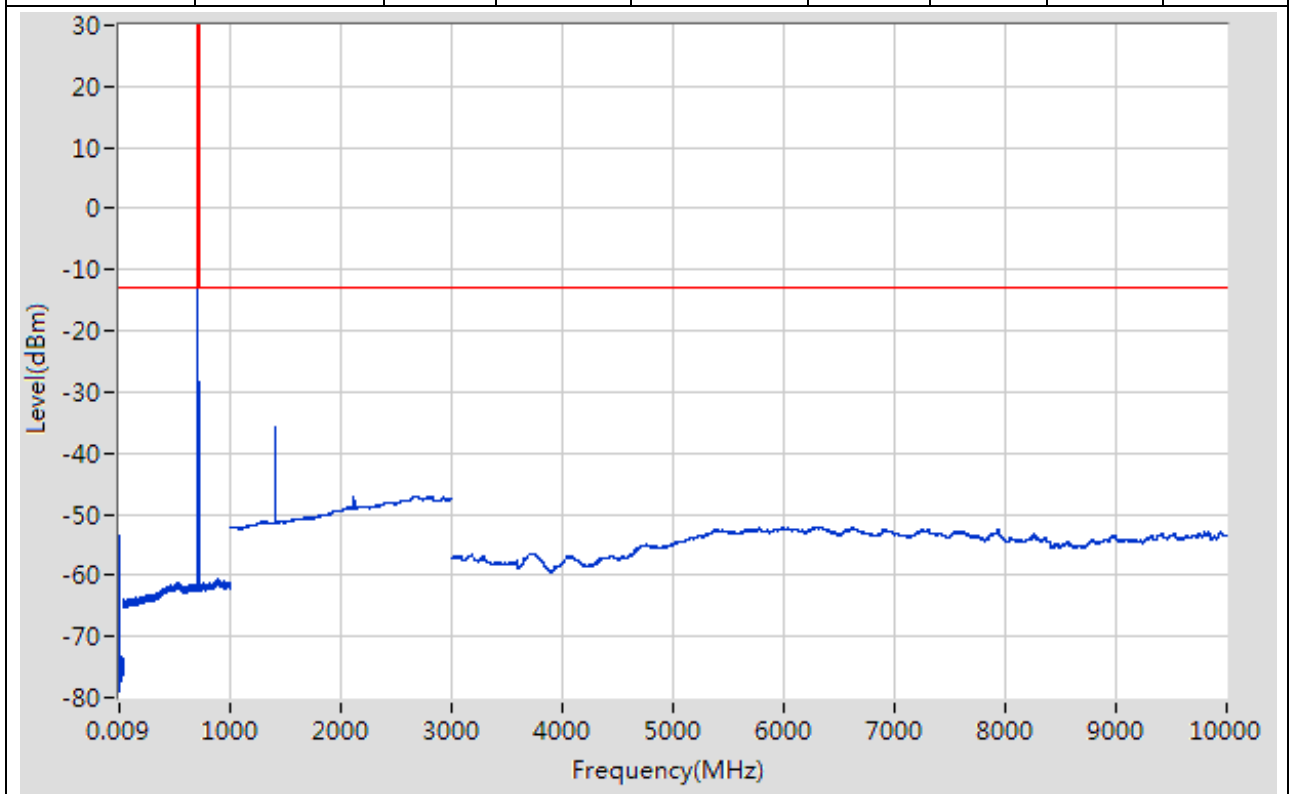
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:23780, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)**

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	-54.99	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.38	-13	Pass	2985
30	695	0.1	RMS	522.474	-61.41	-13	Pass	6650
695	725	0.1	RMS	713.4	20.43	60	Pass	601
725	1000	0.1	RMS	919.171	-60.78	-13	Pass	2750
1000	3000	1	RMS	1427.214	-35.94	-13	Pass	2000
3000	10000	1	RMS	6269.467	-52.09	-13	Pass	7000



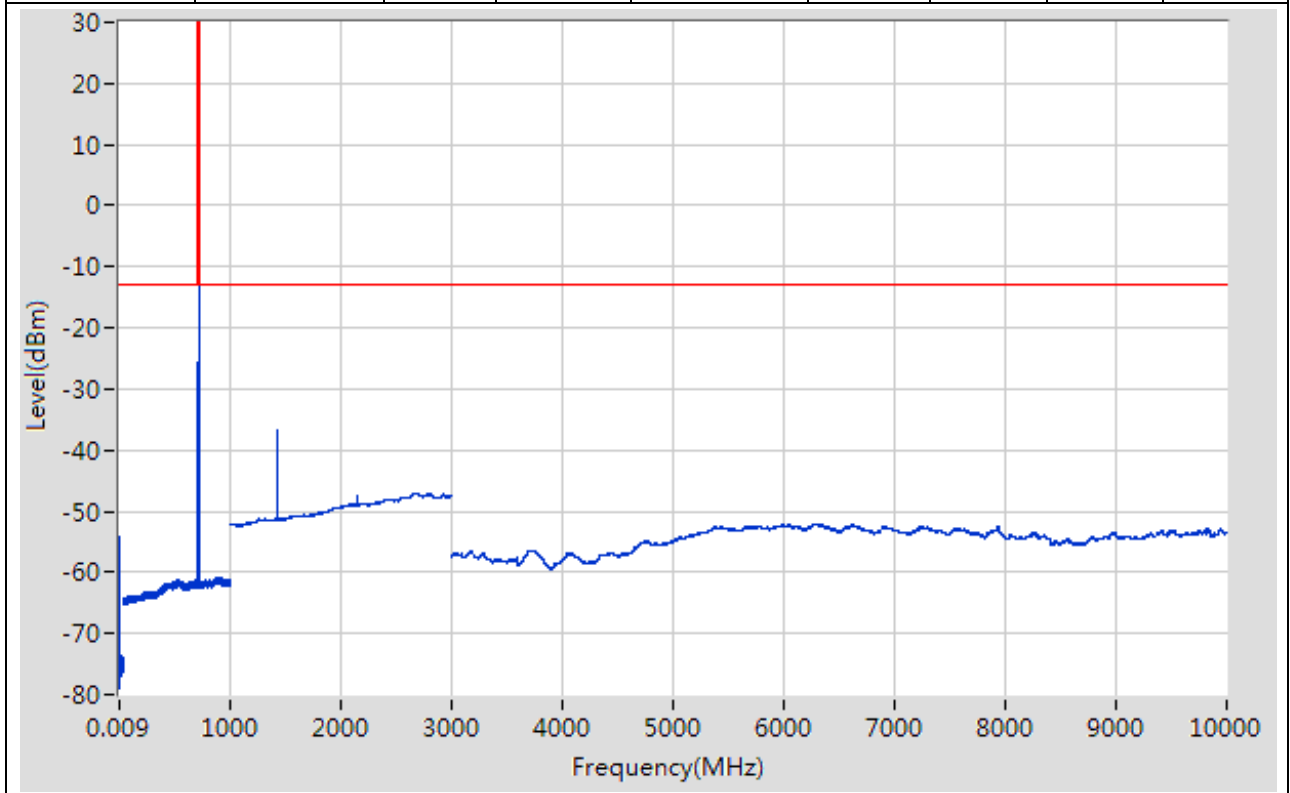
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-55.27	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.6	-13	Pass	2985
30	695	0.1	RMS	518.974	-61.19	-13	Pass	6650
695	725	0.1	RMS	706.6	21.69	60	Pass	601
725	1000	0.1	RMS	882.857	-60.71	-13	Pass	2750
1000	3000	1	RMS	1413.207	-35.8	-13	Pass	2000
3000	10000	1	RMS	6324.475	-52.06	-13	Pass	7000



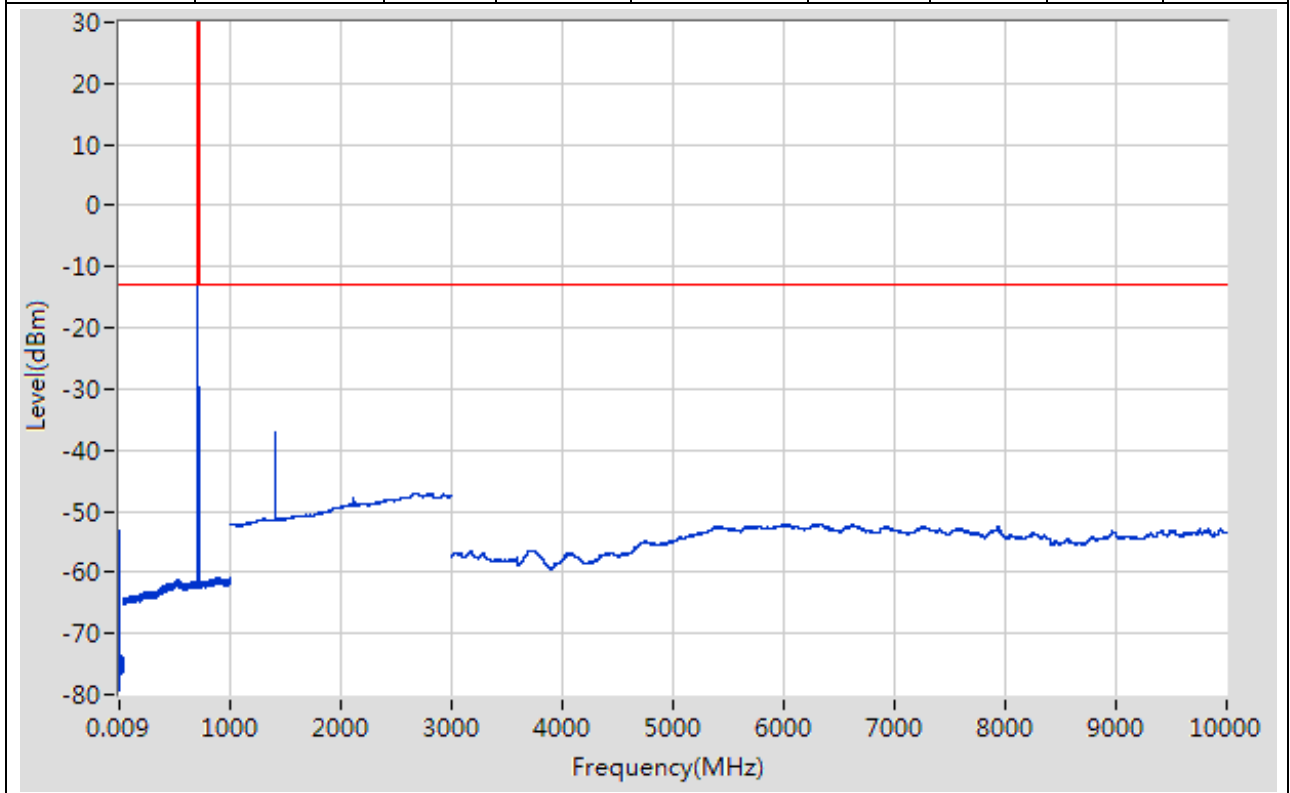
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-55.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.08	-13	Pass	2985
30	695	0.1	RMS	518.573	-61.2	-13	Pass	6650
695	725	0.1	RMS	715.4	21.47	60	Pass	601
725	1000	0.1	RMS	915.169	-60.78	-13	Pass	2750
1000	3000	1	RMS	1431.216	-36.86	-13	Pass	2000
3000	10000	1	RMS	6306.472	-52.1	-13	Pass	7000



**1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:23800, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)**

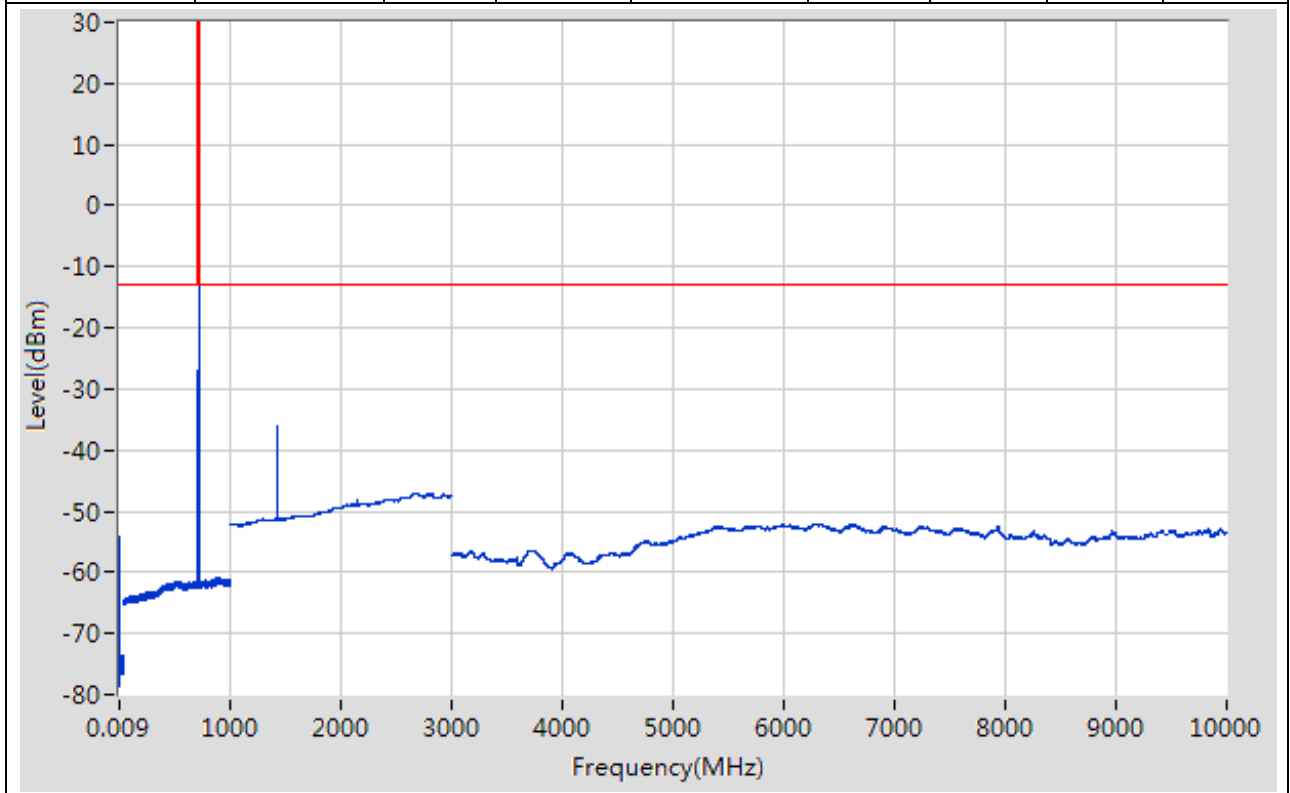
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-55.19	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.22	-13	Pass	2985
30	695	0.1	RMS	532.676	-61.31	-13	Pass	6650
695	725	0.1	RMS	706.6	20.58	60	Pass	601
725	1000	0.1	RMS	879.956	-60.83	-13	Pass	2750
1000	3000	1	RMS	1413.207	-37.05	-13	Pass	2000
3000	10000	1	RMS	6326.475	-52.05	-13	Pass	7000





**1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:23800, Bandwidth:10, Modulation:16QAM, 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	-54.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.1	-13	Pass	2985
30	695	0.1	RMS	509.772	-61.4	-13	Pass	6650
695	725	0.1	RMS	715.4	20.26	60	Pass	601
725	1000	0.1	RMS	895.962	-60.79	-13	Pass	2750
1000	3000	1	RMS	1431.216	-36.11	-13	Pass	2000
3000	10000	1	RMS	6331.476	-52.09	-13	Pass	7000



END