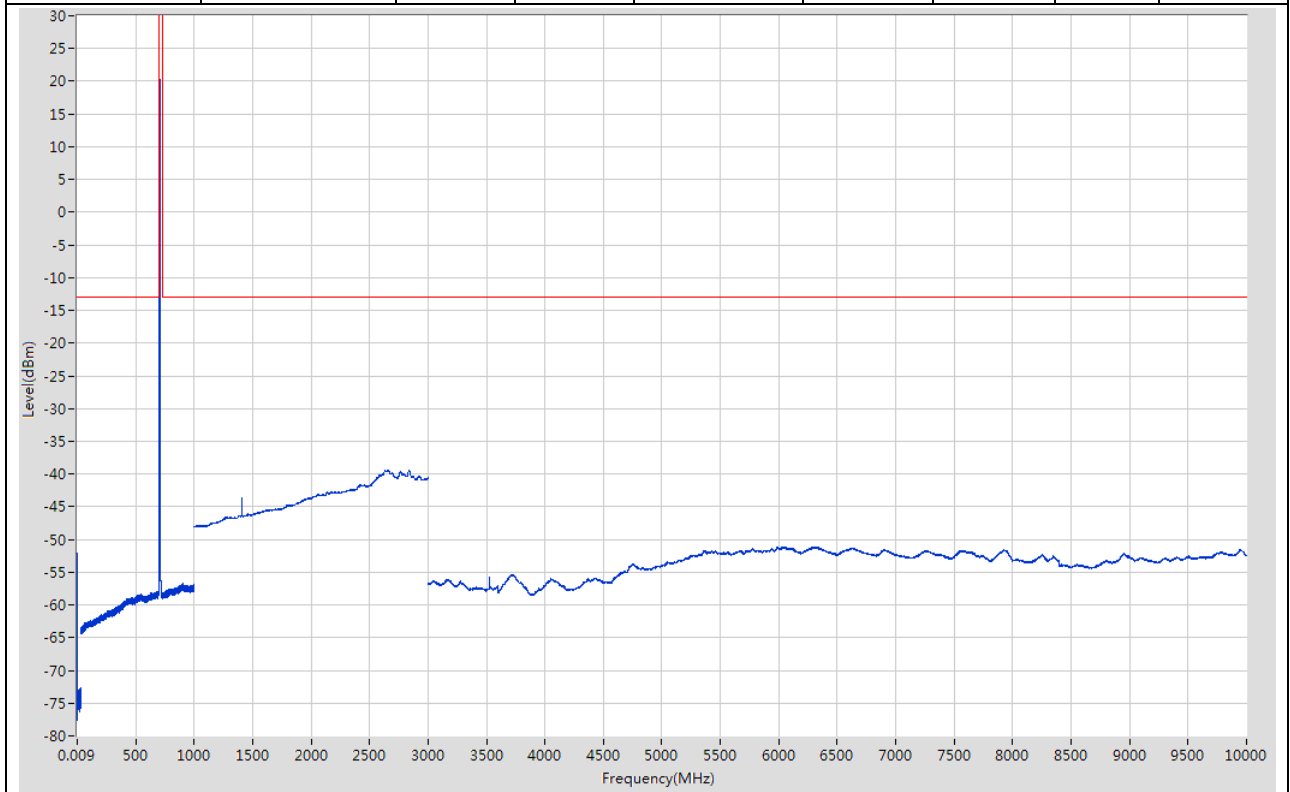


# **Annex C. LTE Transmitter Spurious Emissions**

# 1. LTE\_Band17

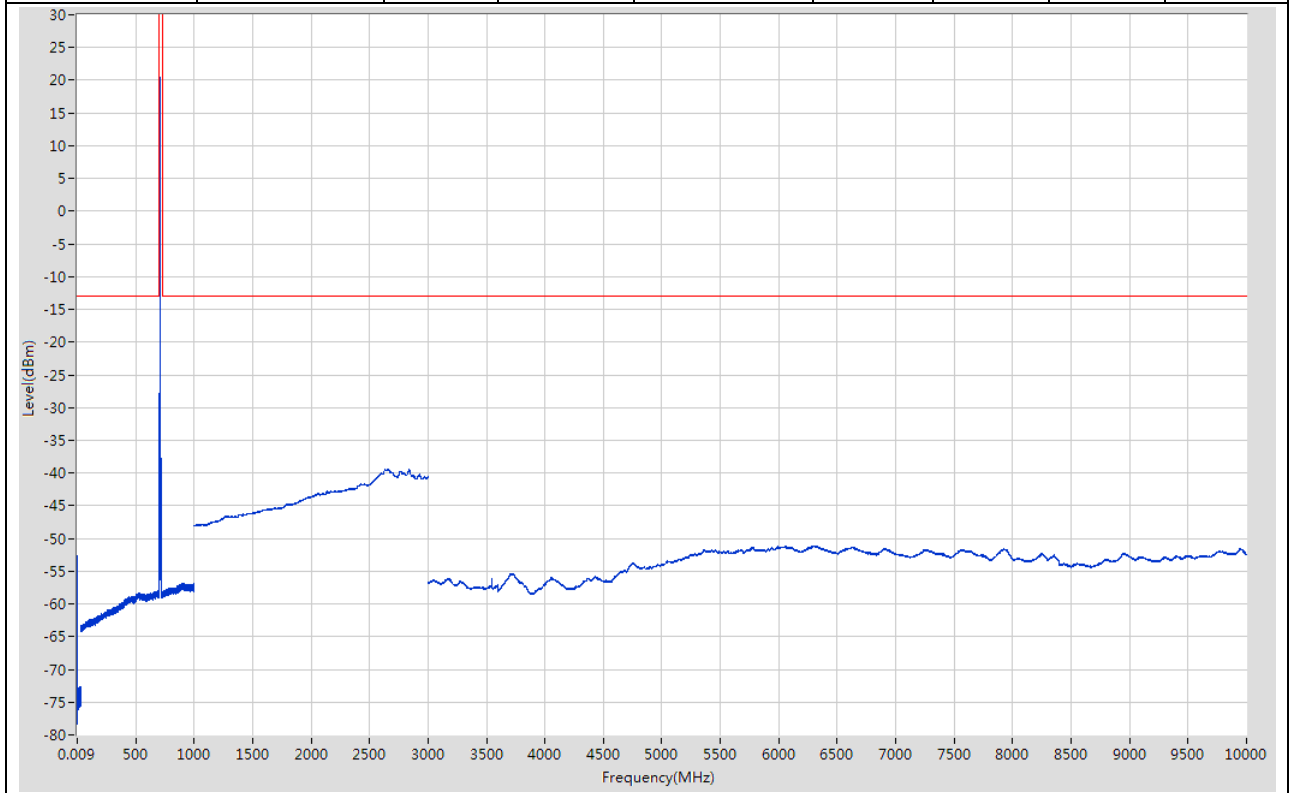
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detect or	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.88	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.05	-13	Pass	2985
30	695	0.1	RMS	695	-57.4	-13	Pass	6650
695	725	0.1	RMS	704.35	20.29	60	Pass	601
725	1000	0.1	RMS	904.565	-56.68	-13	Pass	2750
1000	3000	1	RMS	2661.831	-39.38	-13	Pass	2000
3000	10000	1	RMS	6298.471	-51.14	-13	Pass	7000



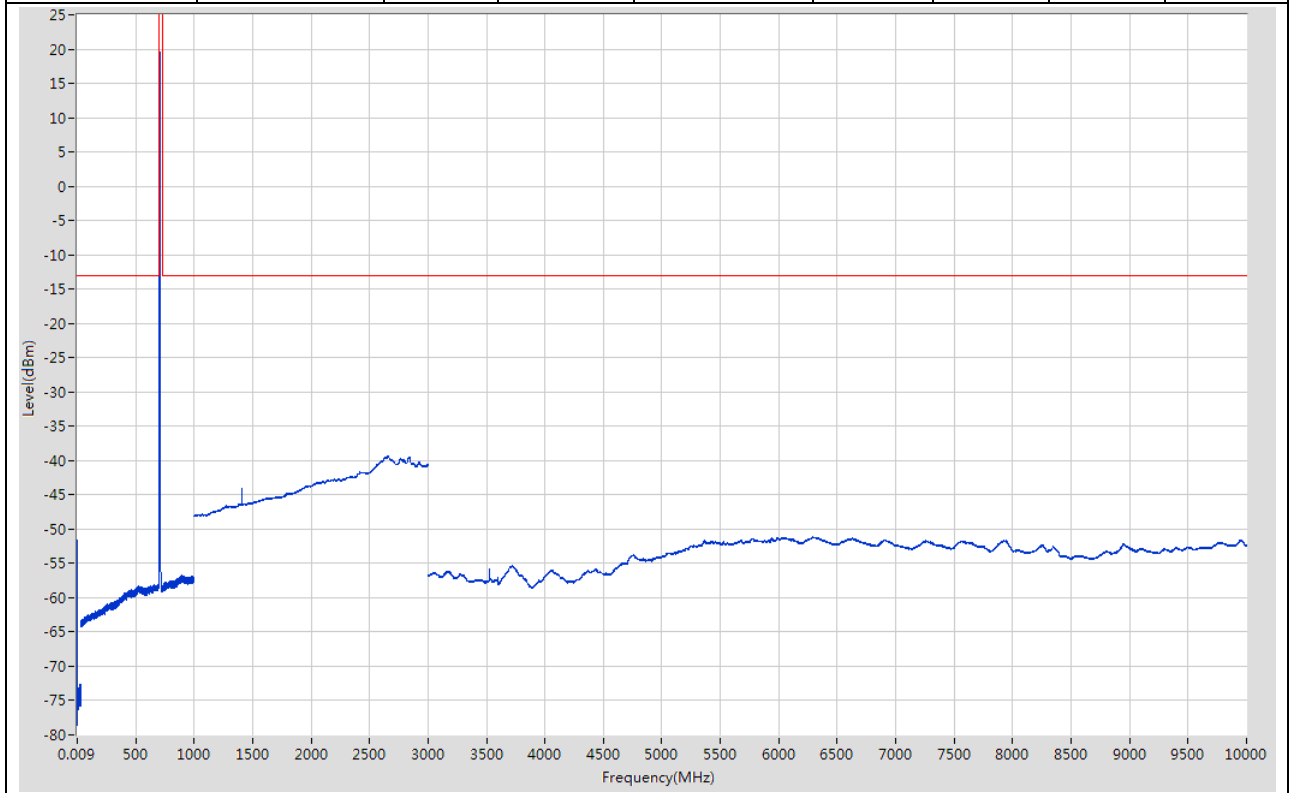
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-54.64	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.55	-13	Pass	2985
30	695	0.1	RMS	693.4	-57.98	-13	Pass	6650
695	725	0.1	RMS	708.65	20.38	60	Pass	601
725	1000	0.1	RMS	914.769	-56.88	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.35	-13	Pass	2000
3000	10000	1	RMS	6310.473	-51.11	-13	Pass	7000



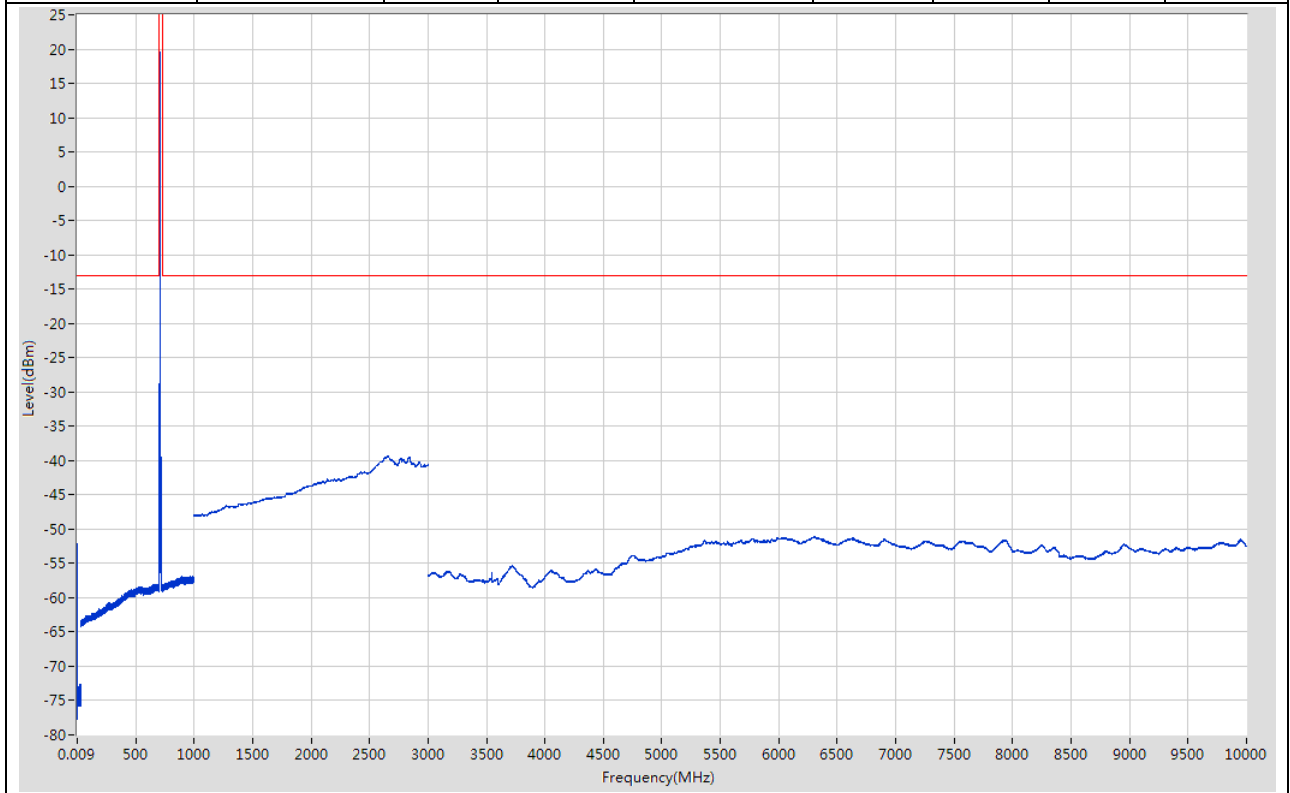
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-52.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.54	-13	Pass	2985
30	695	0.1	RMS	695	-57.77	-13	Pass	6650
695	725	0.1	RMS	704.35	19.5	60	Pass	601
725	1000	0.1	RMS	896.562	-56.73	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.36	-13	Pass	2000
3000	10000	1	RMS	6292.47	-51.08	-13	Pass	7000



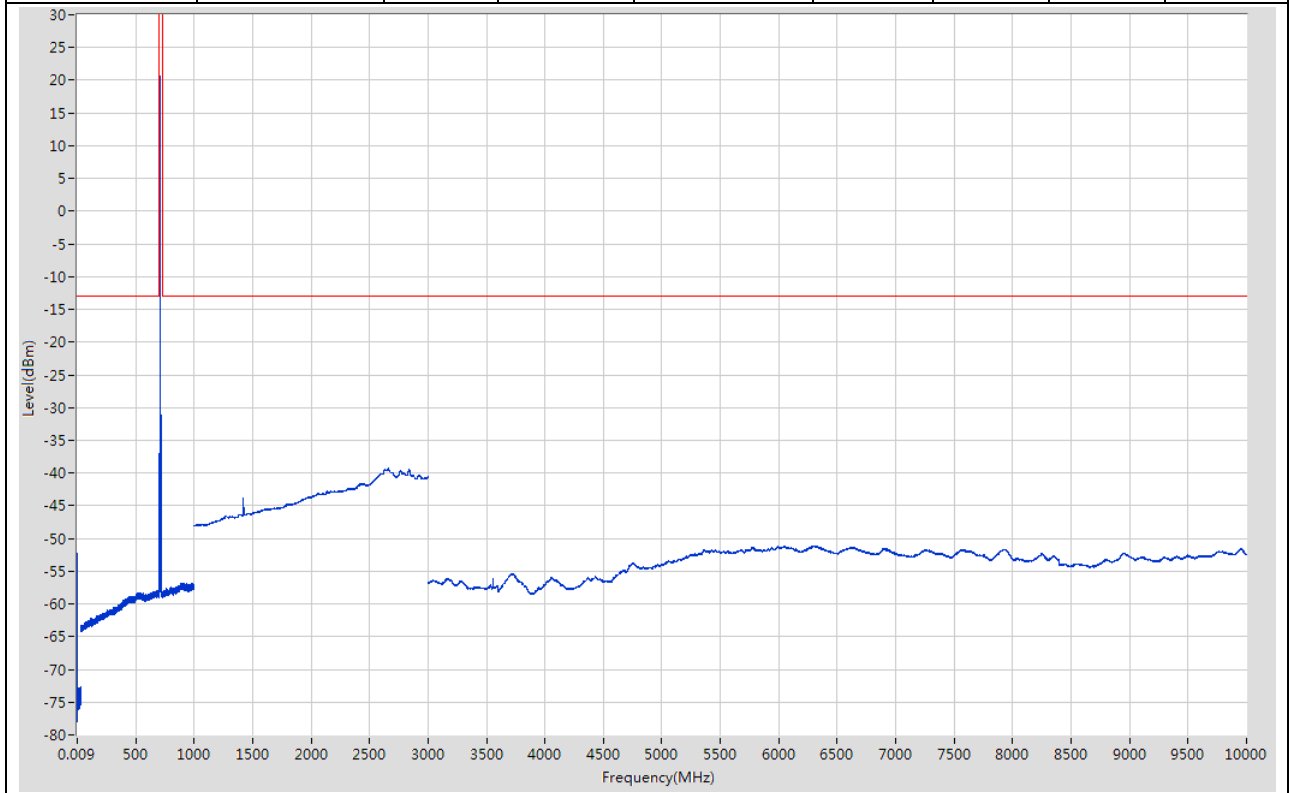
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-52.95	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.17	-13	Pass	2985
30	695	0.1	RMS	680.998	-58.05	-13	Pass	6650
695	725	0.1	RMS	708.65	19.55	60	Pass	601
725	1000	0.1	RMS	962.586	-56.84	-13	Pass	2750
1000	3000	1	RMS	2658.829	-39.36	-13	Pass	2000
3000	10000	1	RMS	6303.472	-51.11	-13	Pass	7000



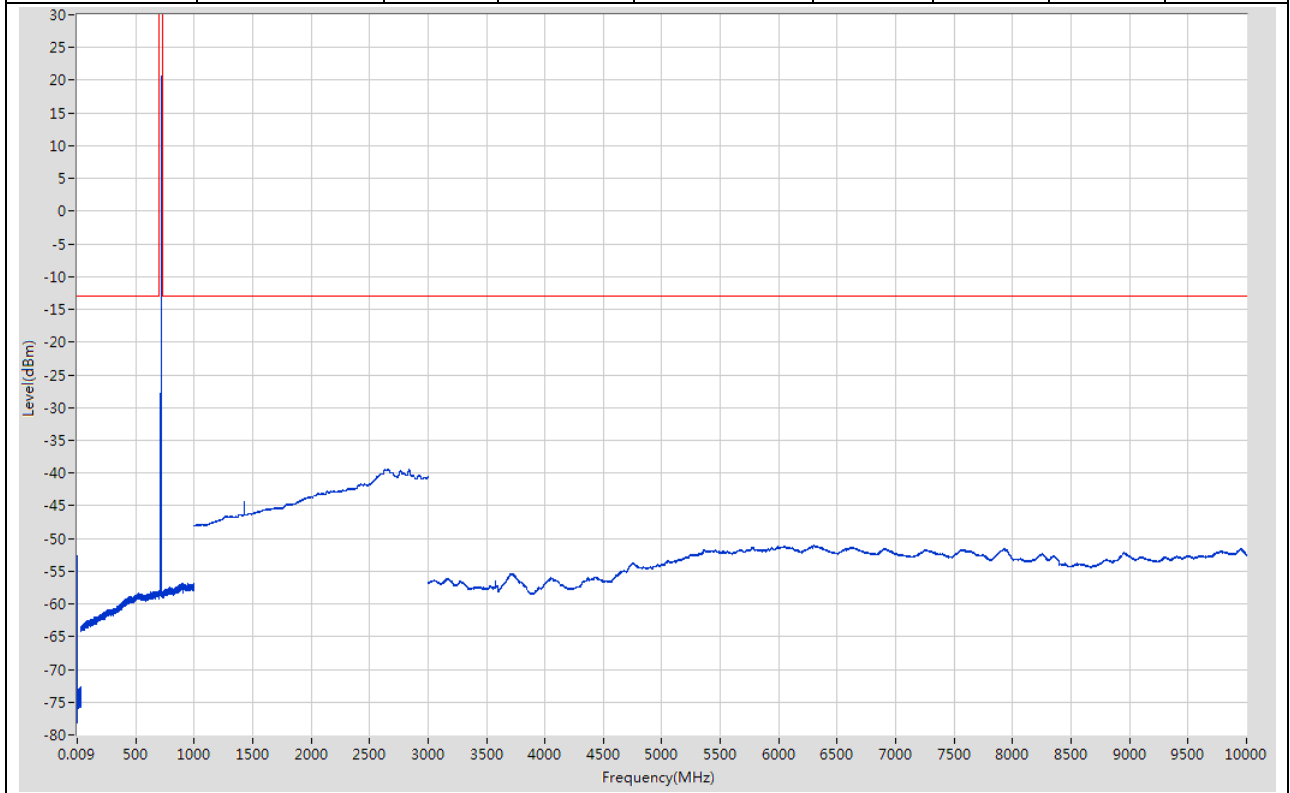
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-52.64	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.26	-13	Pass	2985
30	695	0.1	RMS	679.298	-57.94	-13	Pass	6650
695	725	0.1	RMS	711.35	20.54	60	Pass	601
725	1000	0.1	RMS	893.261	-56.77	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.31	-13	Pass	2000
3000	10000	1	RMS	6300.471	-51.1	-13	Pass	7000



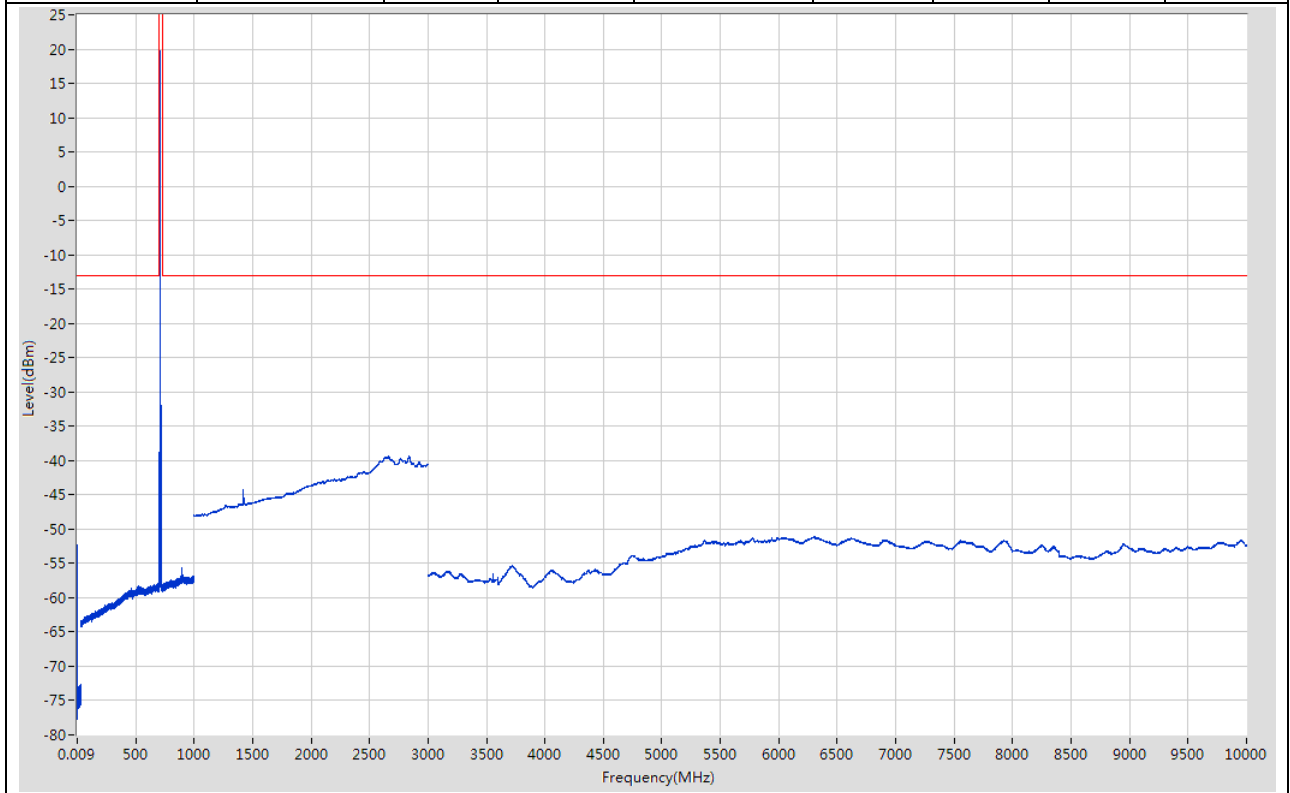
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.01	-54.03	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.71	-13	Pass	2985
30	695	0.1	RMS	694.8	-58.02	-13	Pass	6650
695	725	0.1	RMS	715.65	20.63	60	Pass	601
725	1000	0.1	RMS	890.16	-56.88	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.34	-13	Pass	2000
3000	10000	1	RMS	6302.472	-51.07	-13	Pass	7000



**1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23825, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

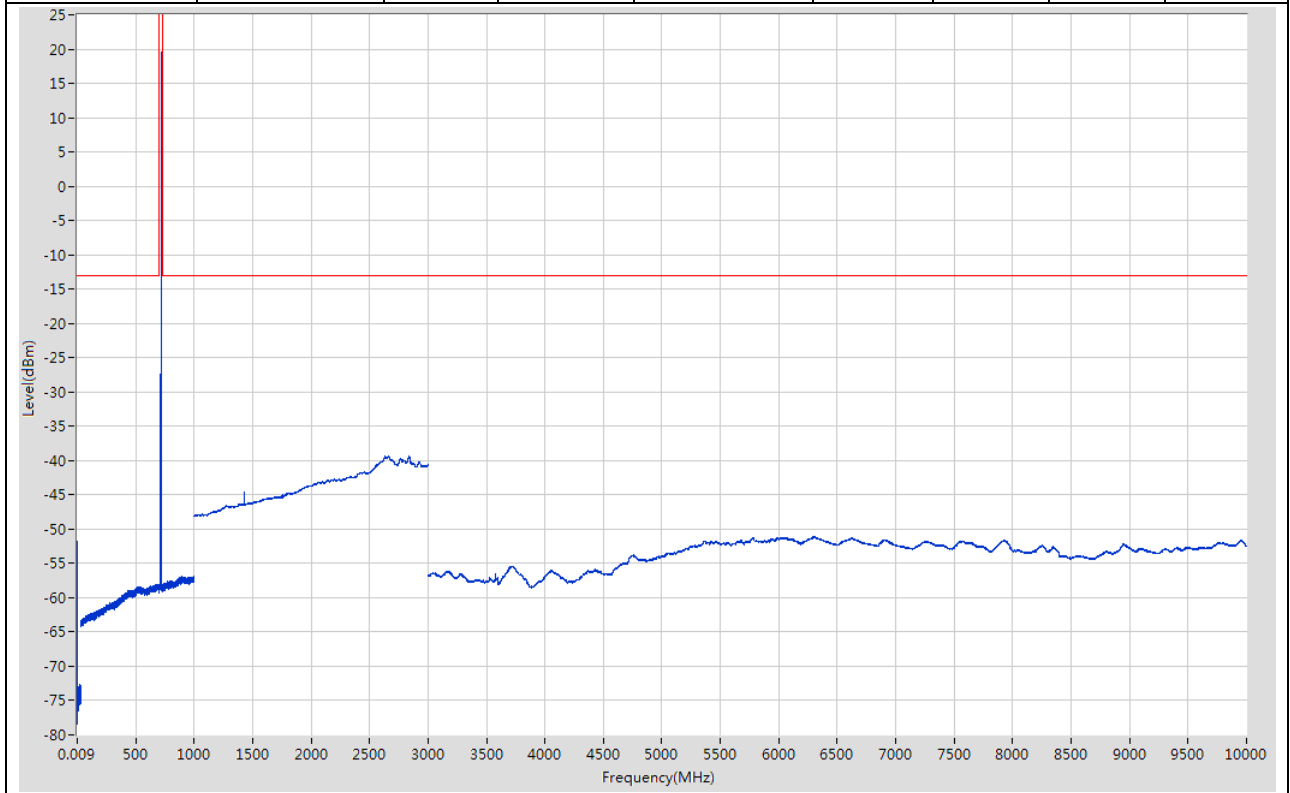
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.72	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.38	-13	Pass	2985
30	695	0.1	RMS	691.199	-57.95	-13	Pass	6650
695	725	0.1	RMS	711.35	19.68	60	Pass	601
725	1000	0.1	RMS	891.26	-55.71	-13	Pass	2750
1000	3000	1	RMS	2657.829	-39.39	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.1	-13	Pass	7000





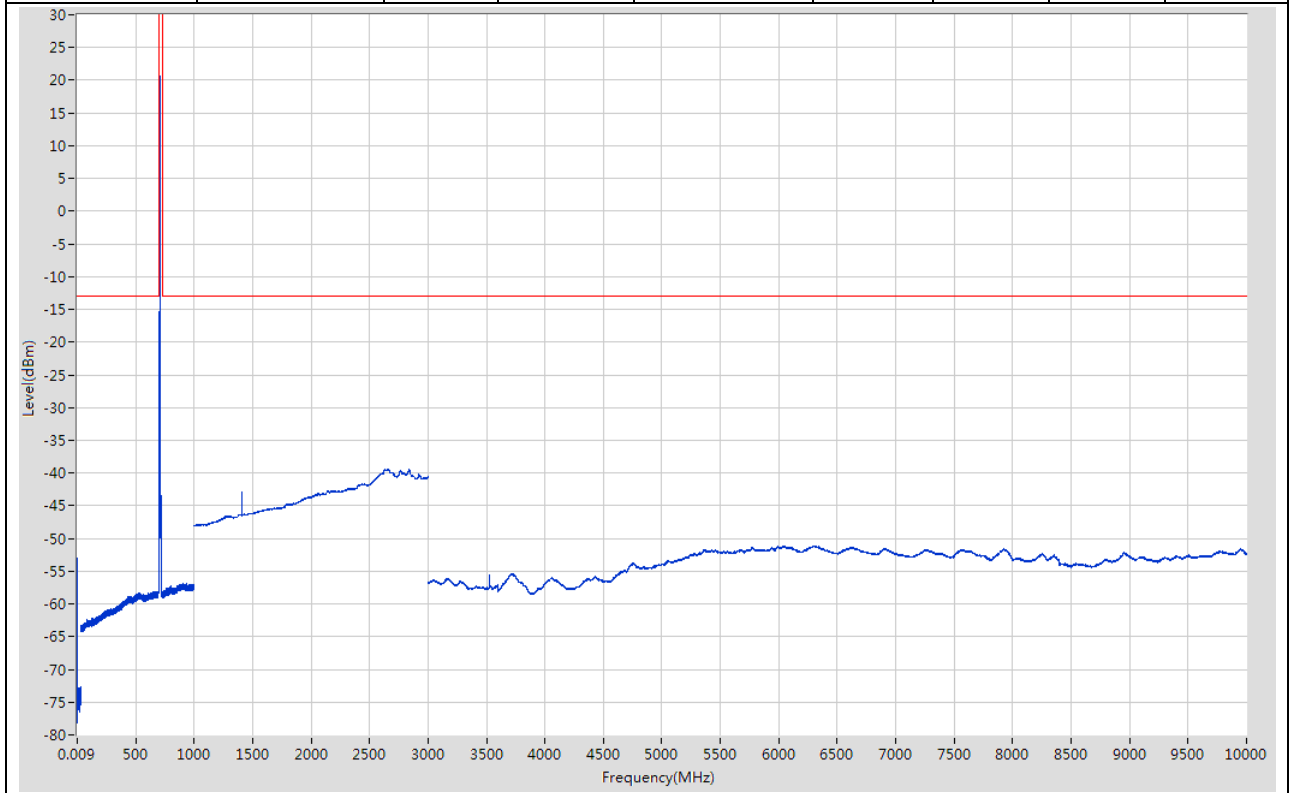
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23825, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-53.79	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.83	-13	Pass	2985
30	695	0.1	RMS	677.397	-58.06	-13	Pass	6650
695	725	0.1	RMS	715.65	19.58	60	Pass	601
725	1000	0.1	RMS	897.363	-56.8	-13	Pass	2750
1000	3000	1	RMS	2657.829	-39.34	-13	Pass	2000
3000	10000	1	RMS	6298.471	-51.13	-13	Pass	7000



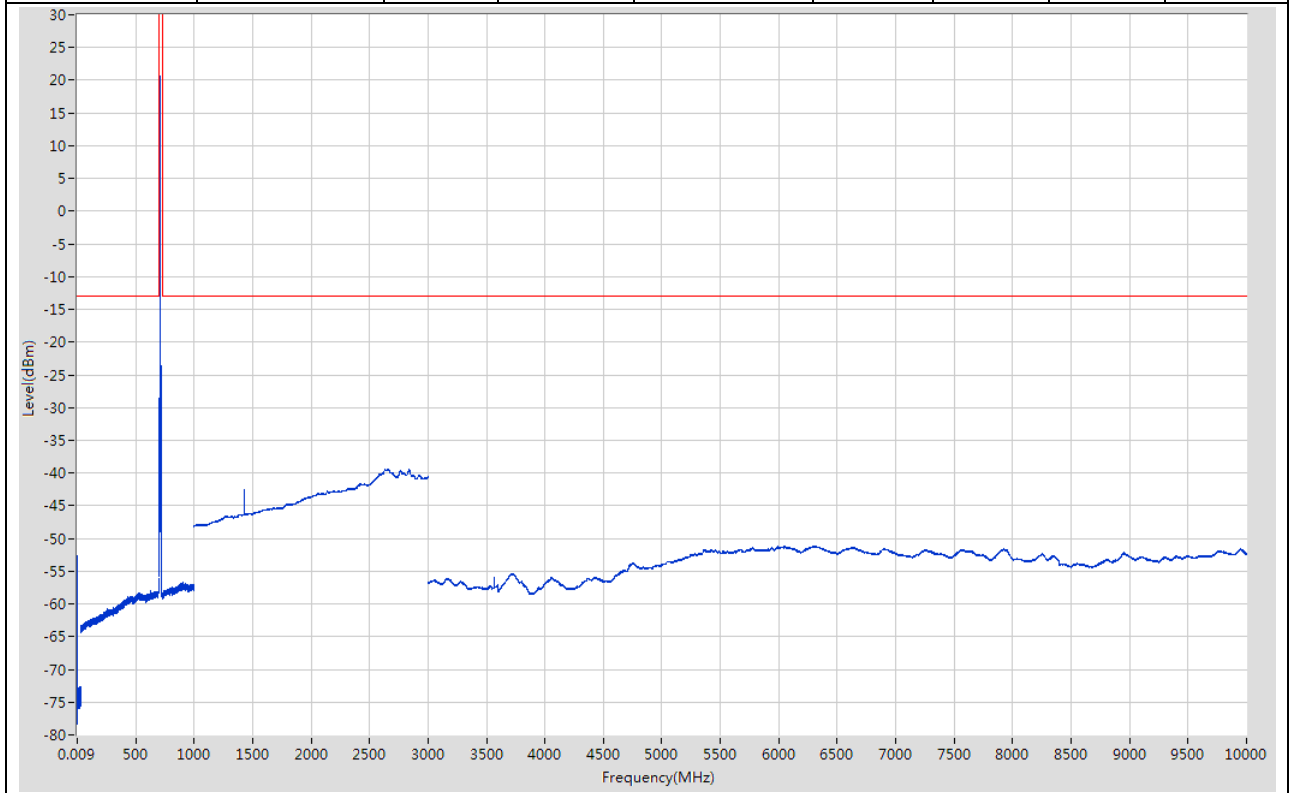
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.009	-53.59	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.92	-13	Pass	2985
30	695	0.1	RMS	694.9	-56.97	-13	Pass	6650
695	725	0.1	RMS	704.6	20.59	60	Pass	601
725	1000	0.1	RMS	936.377	-56.91	-13	Pass	2750
1000	3000	1	RMS	2656.828	-39.35	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.11	-13	Pass	7000



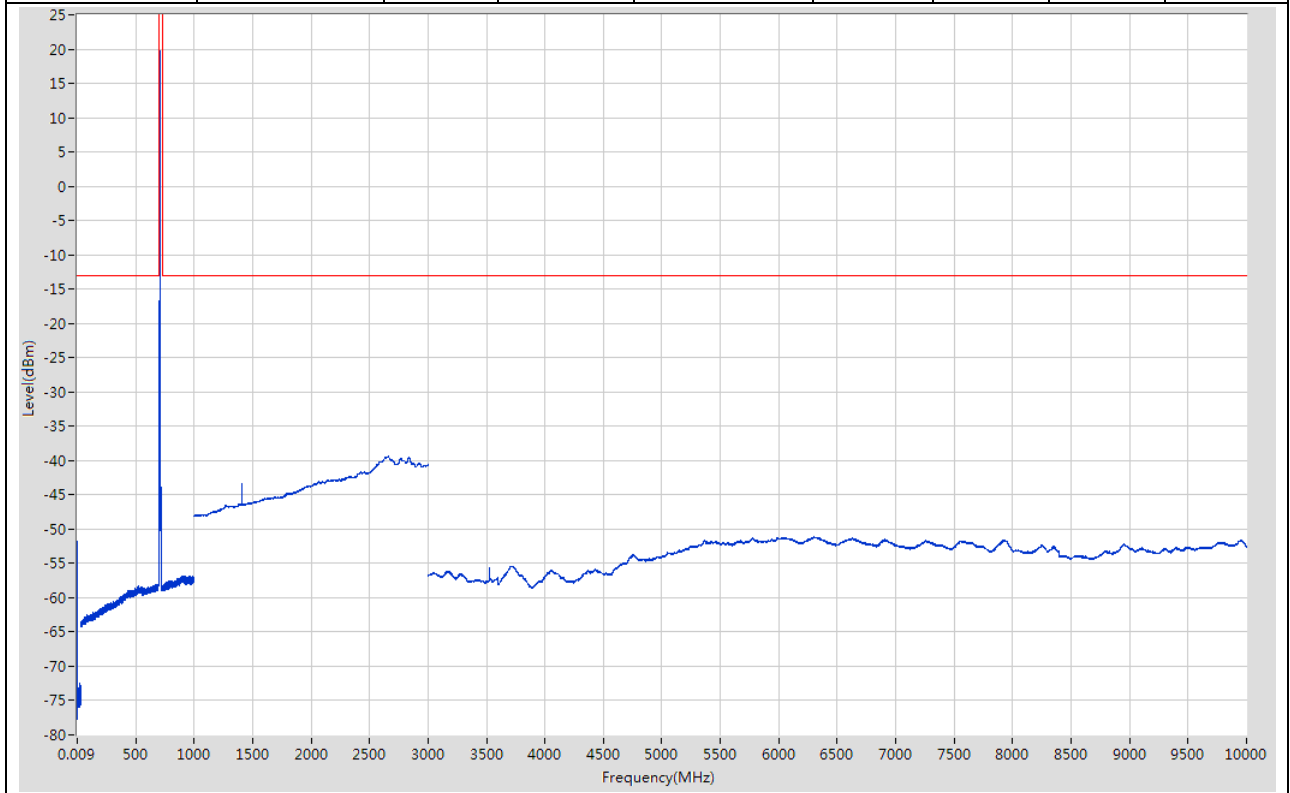
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.011	-54.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.66	-13	Pass	2985
30	695	0.1	RMS	695	-56.04	-13	Pass	6650
695	725	0.1	RMS	713.4	20.67	60	Pass	601
725	1000	0.1	RMS	901.564	-56.68	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.38	-13	Pass	2000
3000	10000	1	RMS	6304.472	-51.12	-13	Pass	7000



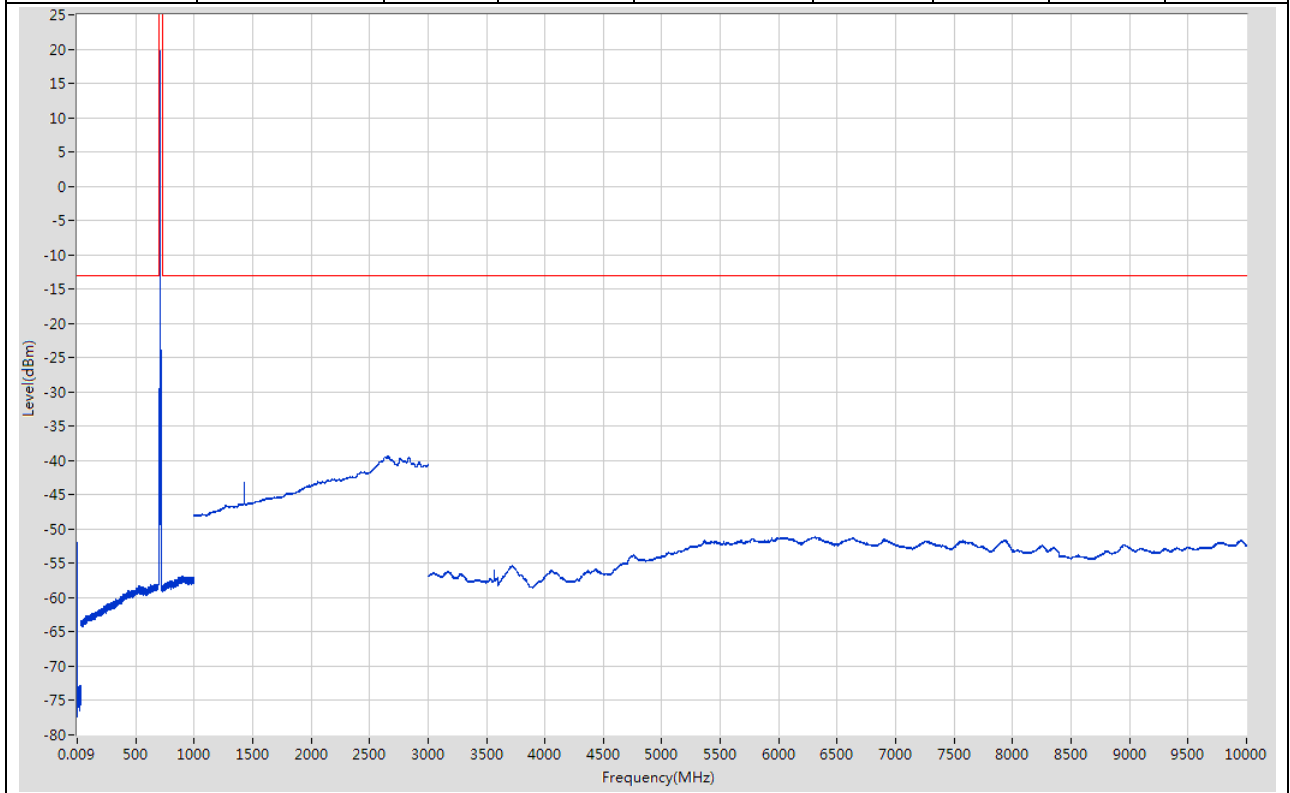
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.72	-13	Pass	2985
30	695	0.1	RMS	695	-57.27	-13	Pass	6650
695	725	0.1	RMS	704.6	19.67	60	Pass	601
725	1000	0.1	RMS	989.196	-56.87	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.31	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.12	-13	Pass	7000



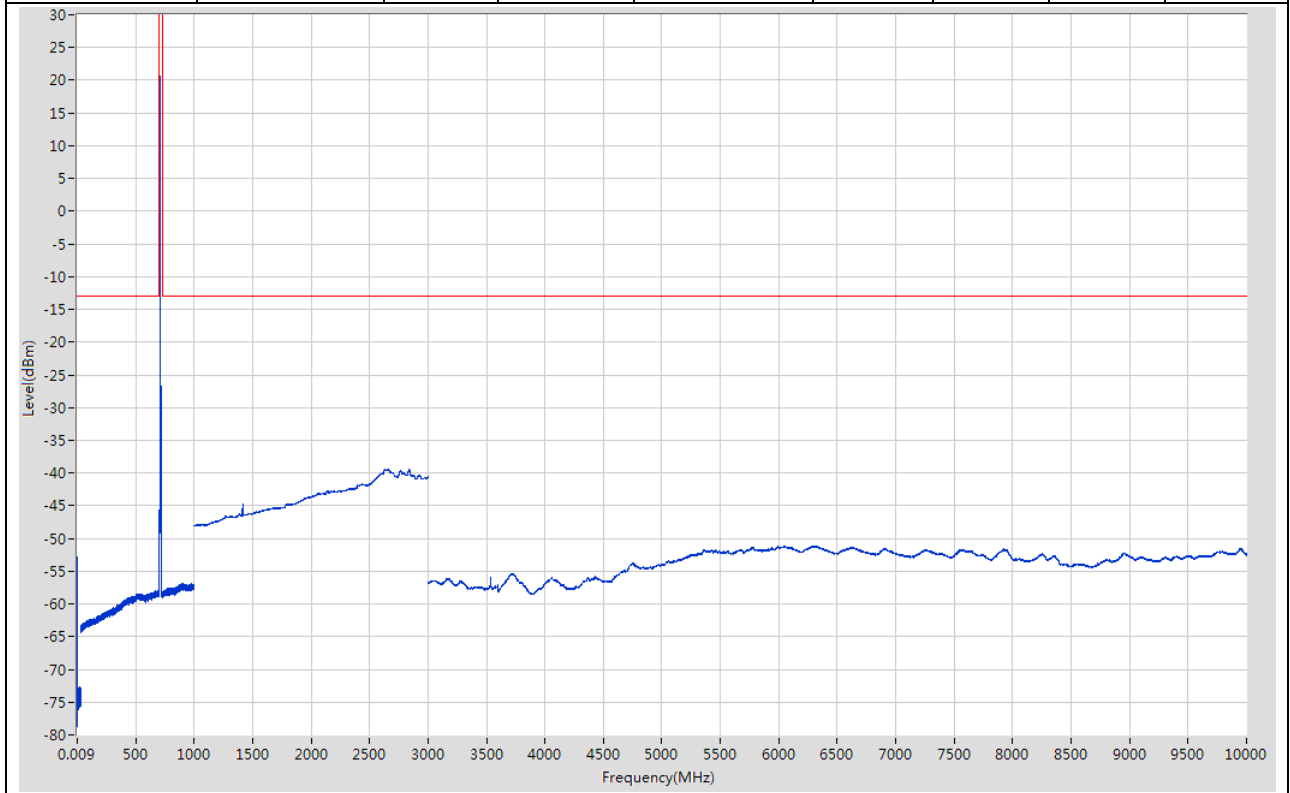
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-54.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.88	-13	Pass	2985
30	695	0.1	RMS	695	-56.42	-13	Pass	6650
695	725	0.1	RMS	713.4	19.68	60	Pass	601
725	1000	0.1	RMS	898.063	-56.91	-13	Pass	2750
1000	3000	1	RMS	2658.829	-39.37	-13	Pass	2000
3000	10000	1	RMS	6315.474	-51.13	-13	Pass	7000



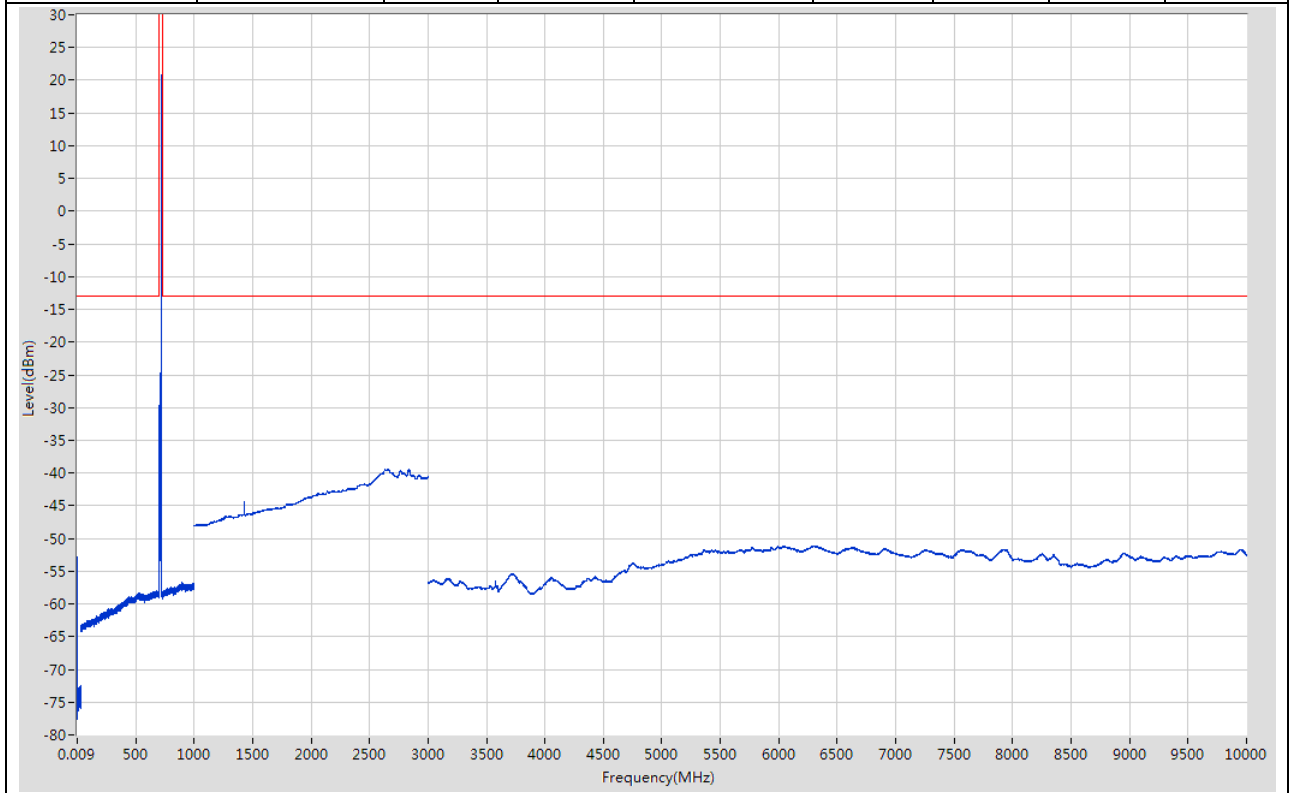
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-53.6	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.75	-13	Pass	2985
30	695	0.1	RMS	694.9	-57.99	-13	Pass	6650
695	725	0.1	RMS	706.6	20.65	60	Pass	601
725	1000	0.1	RMS	978.792	-56.78	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.33	-13	Pass	2000
3000	10000	1	RMS	6304.472	-51.13	-13	Pass	7000



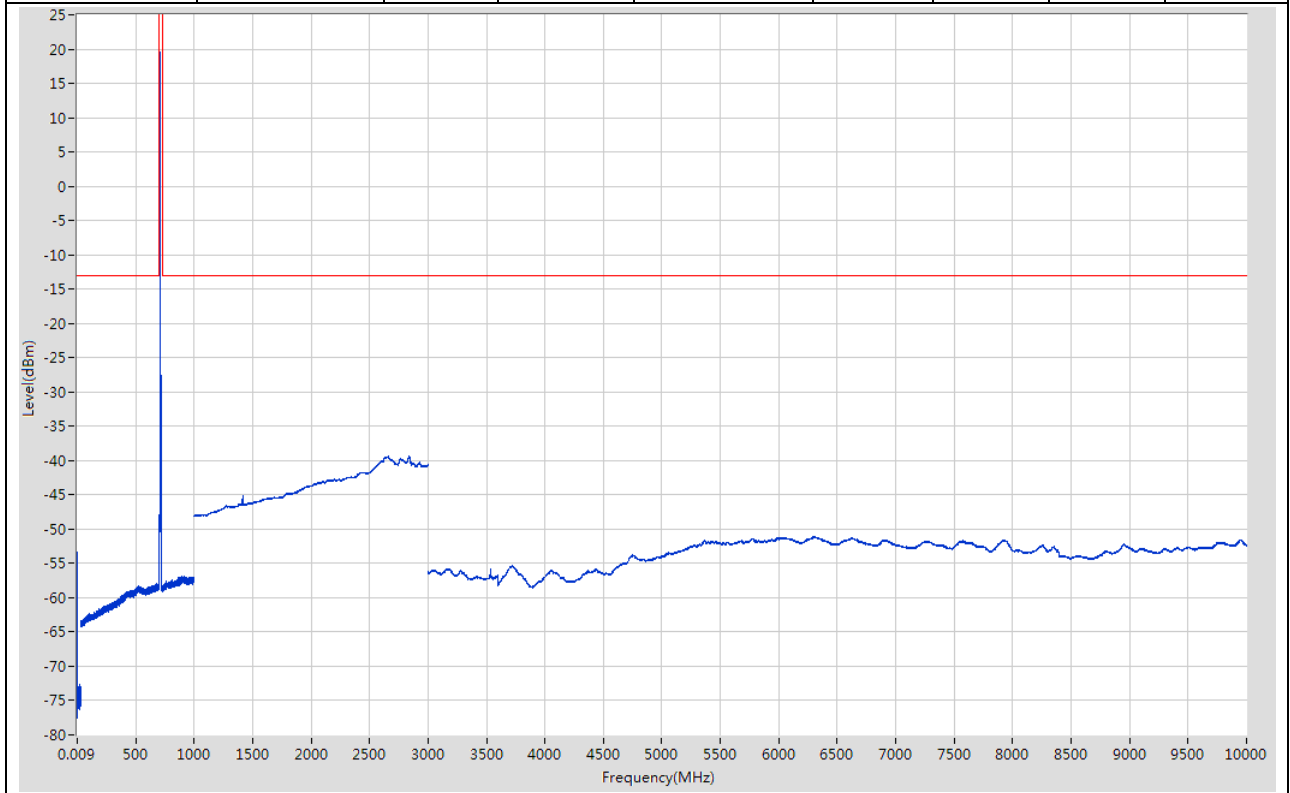
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.01	-53.08	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.73	-13	Pass	2985
30	695	0.1	RMS	695	-57.86	-13	Pass	6650
695	725	0.1	RMS	715.4	20.74	60	Pass	601
725	1000	0.1	RMS	893.961	-56.75	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.35	-13	Pass	2000
3000	10000	1	RMS	6303.472	-51.09	-13	Pass	7000



**1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:23800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

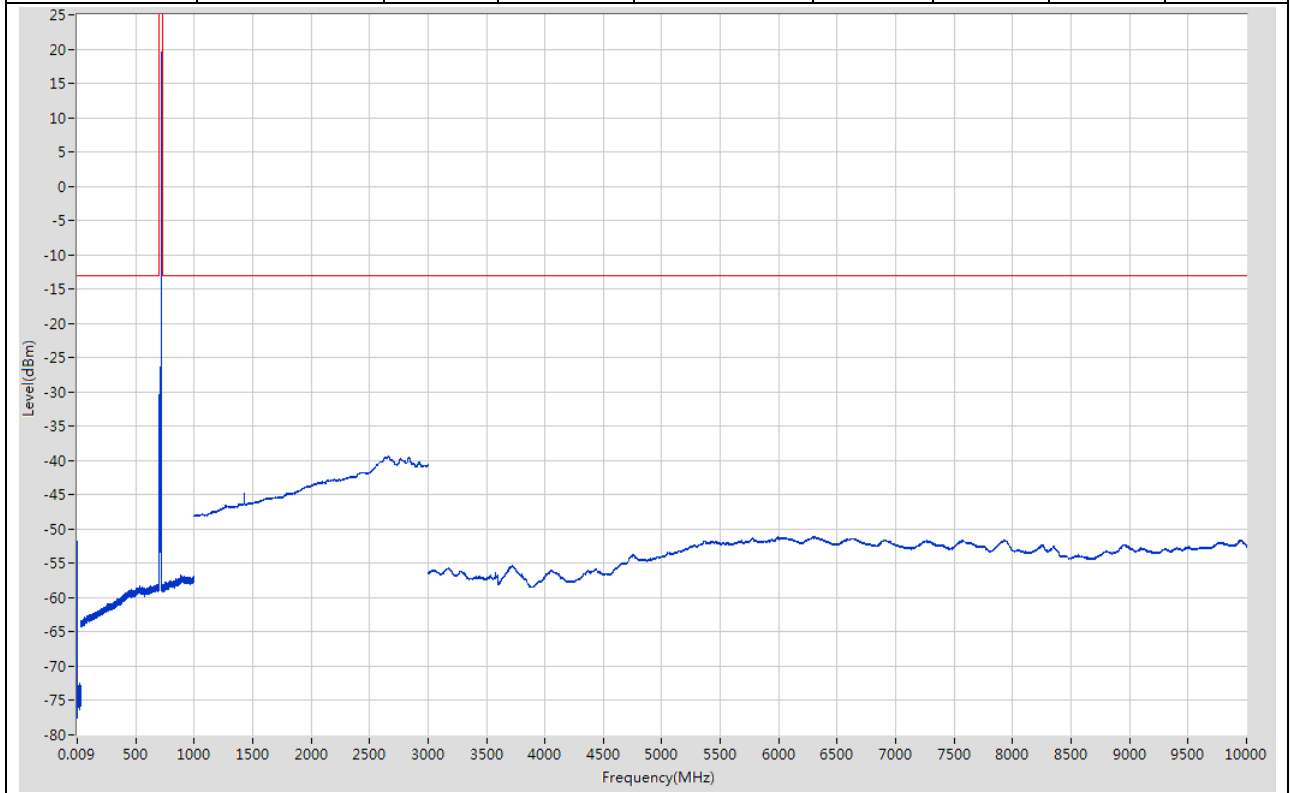
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.33	-13	Pass	2985
30	695	0.1	RMS	682.398	-57.98	-13	Pass	6650
695	725	0.1	RMS	706.6	19.59	60	Pass	601
725	1000	0.1	RMS	911.068	-56.88	-13	Pass	2750
1000	3000	1	RMS	2657.829	-39.31	-13	Pass	2000
3000	10000	1	RMS	6308.473	-51.1	-13	Pass	7000





**1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:23800, 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	-53.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.77	-13	Pass	2985
30	695	0.1	RMS	695	-57.88	-13	Pass	6650
695	725	0.1	RMS	715.4	19.58	60	Pass	601
725	1000	0.1	RMS	888.259	-56.74	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.31	-13	Pass	2000
3000	10000	1	RMS	6299.471	-51.01	-13	Pass	7000



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END