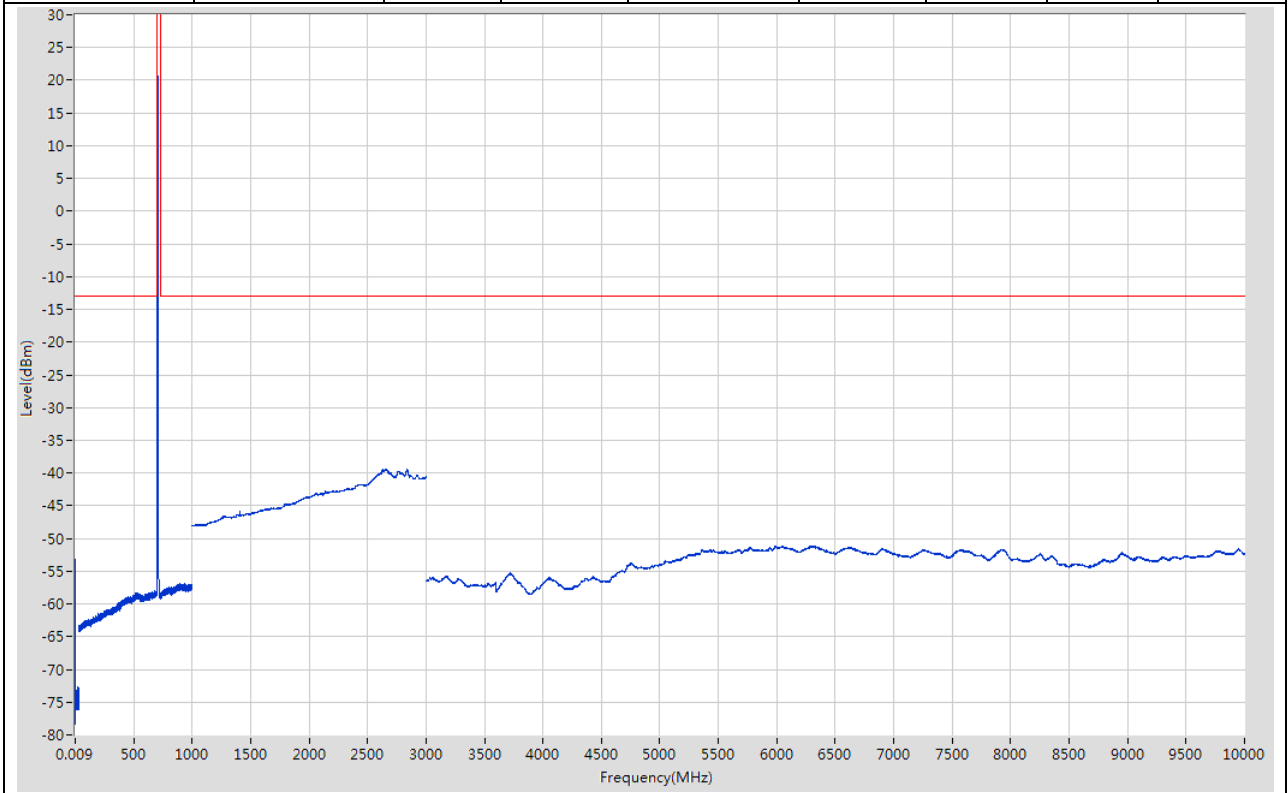


# Annex C. LTE Transmitter Spurious Emissions

# 1. LTE\_Band17

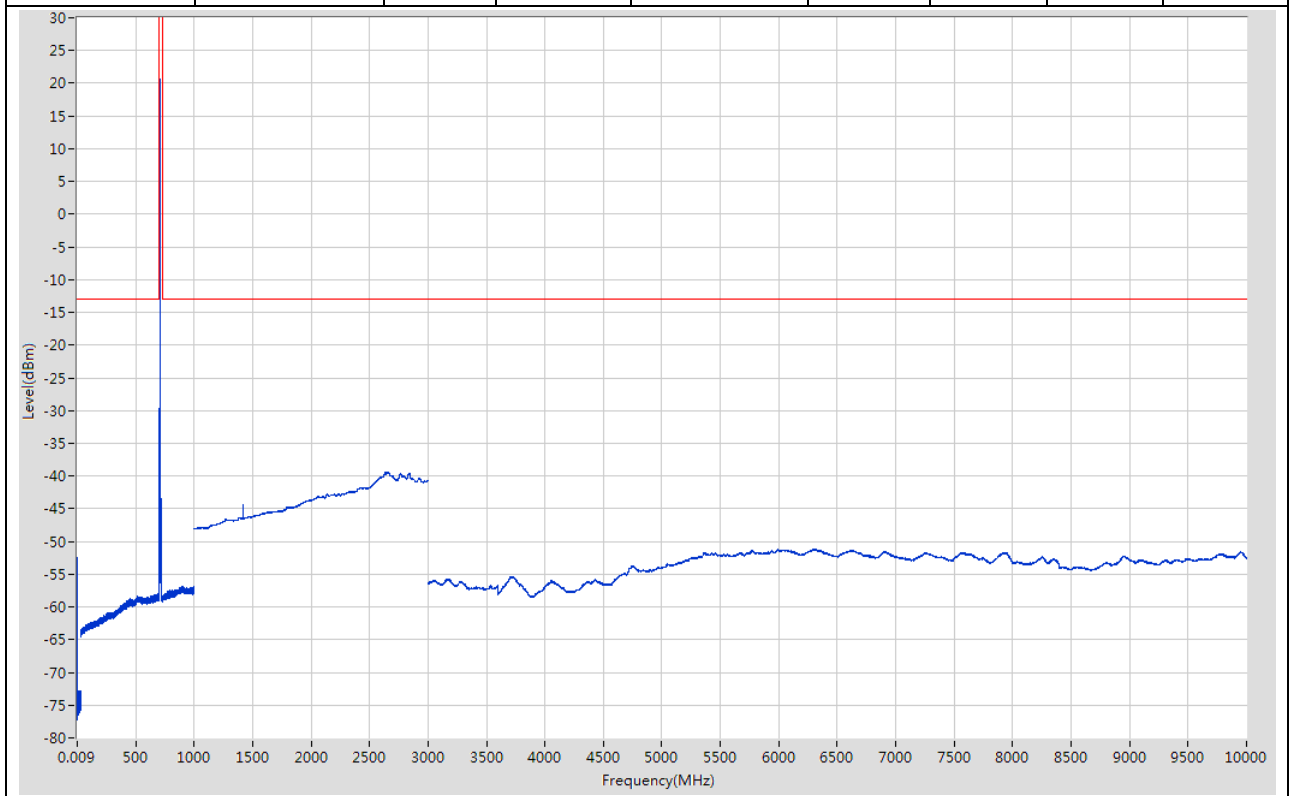
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.58	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.15	-13	Pass	2985
30	695	0.1	RMS	694.7	-57.83	-13	Pass	6650
695	725	0.1	RMS	704.35	20.65	60	Pass	601
725	1000	0.1	RMS	897.863	-56.87	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.39	-13	Pass	2000
3000	10000	1	RMS	6298.471	-51.13	-13	Pass	7000



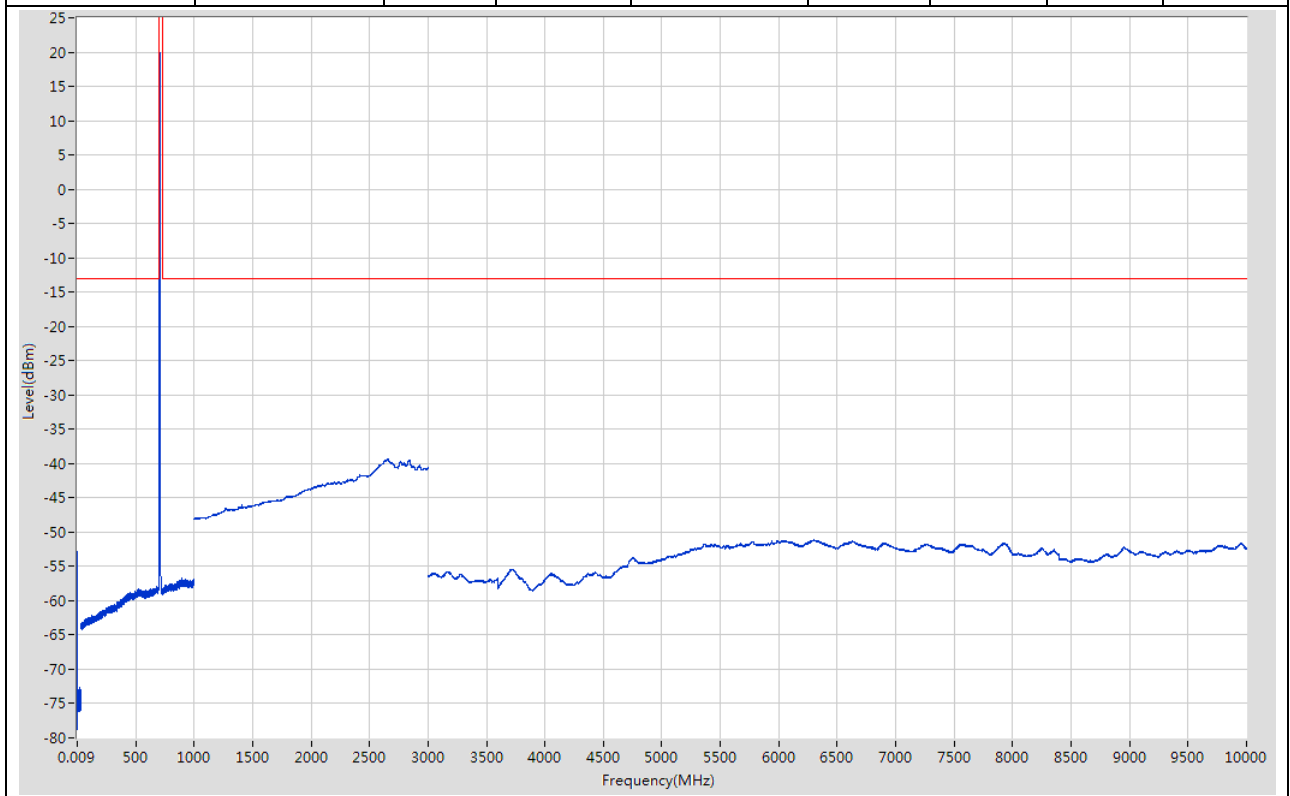
**1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	-53.83	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.44	-13	Pass	2985
30	695	0.1	RMS	685.599	-58.04	-13	Pass	6650
695	725	0.1	RMS	708.65	20.65	60	Pass	601
725	1000	0.1	RMS	904.765	-56.8	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.36	-13	Pass	2000
3000	10000	1	RMS	6295.471	-51.16	-13	Pass	7000



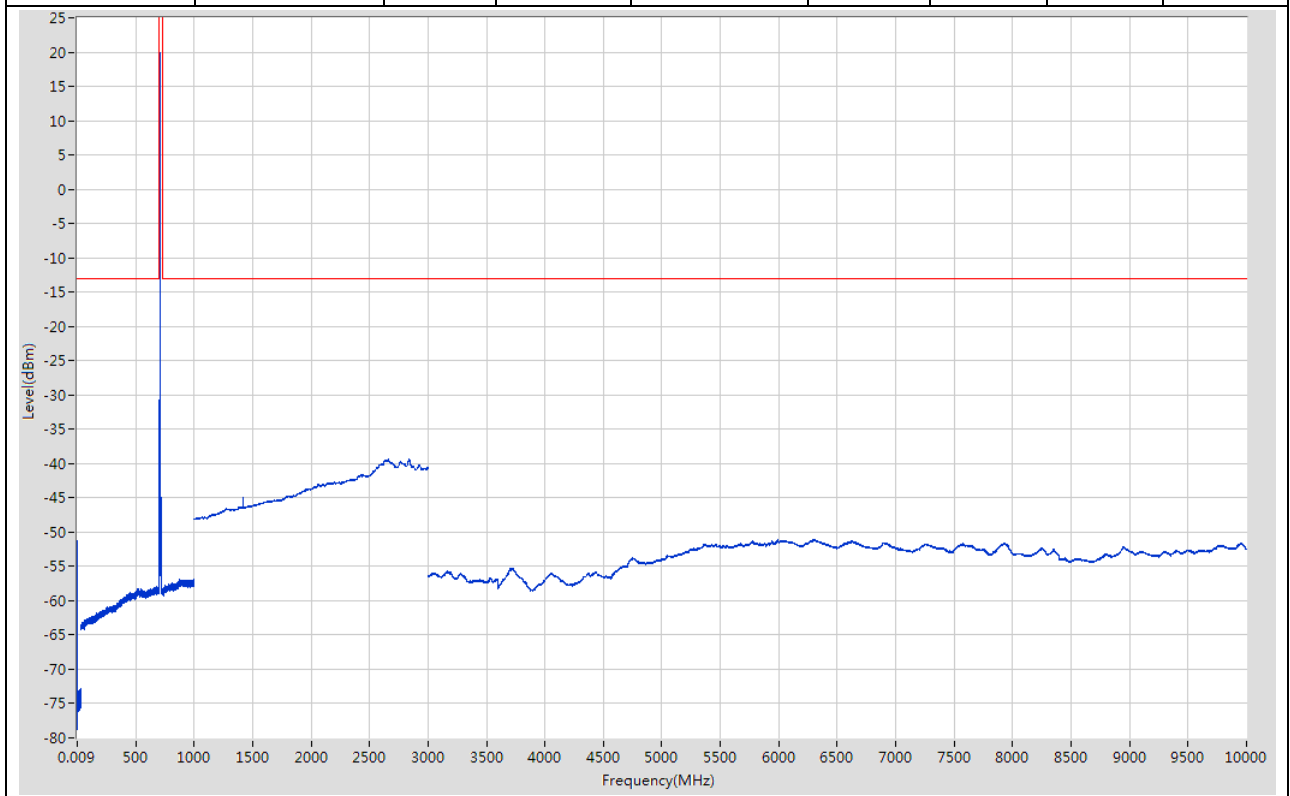
**1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-53.57	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.74	-13	Pass	2985
30	695	0.1	RMS	695	-57.77	-13	Pass	6650
695	725	0.1	RMS	704.35	19.95	60	Pass	601
725	1000	0.1	RMS	893.961	-56.76	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.35	-13	Pass	2000
3000	10000	1	RMS	6300.471	-51.14	-13	Pass	7000



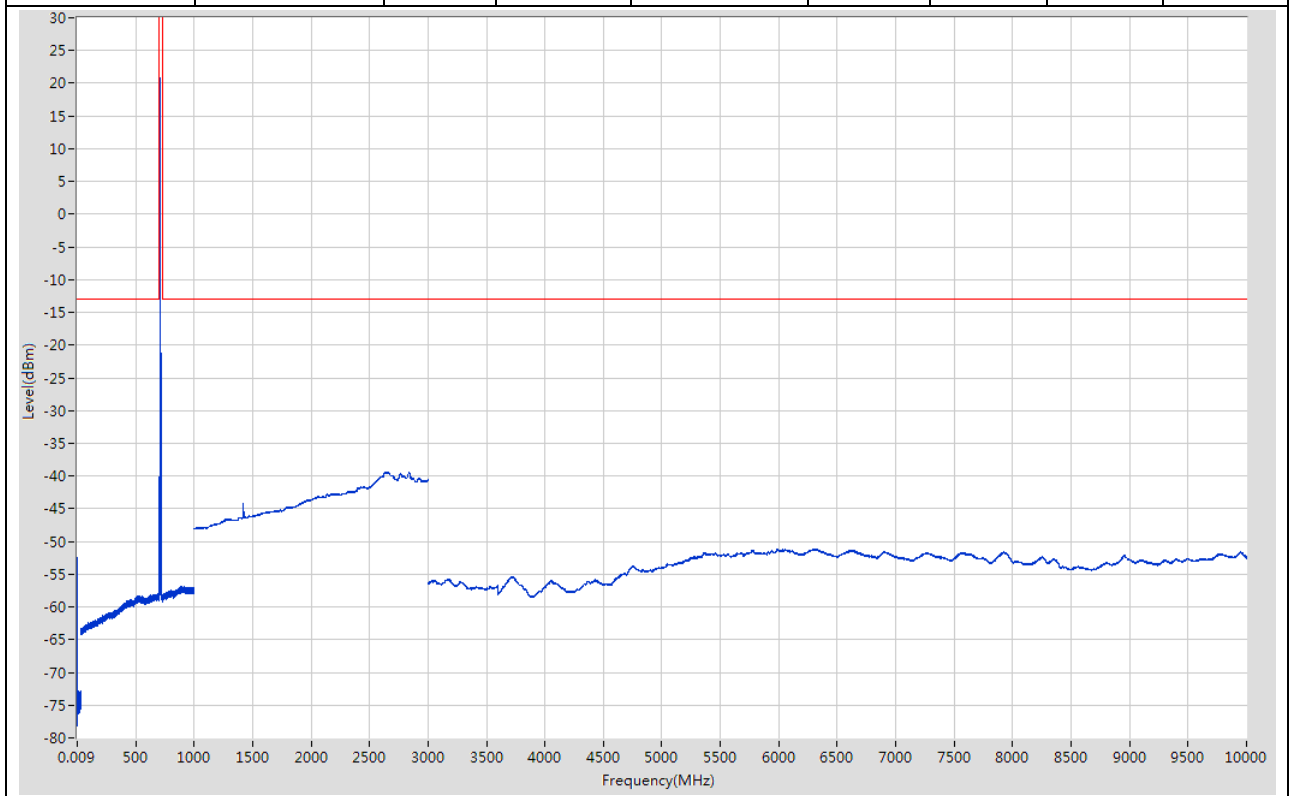
**1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23755, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-54.14	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.21	-13	Pass	2985
30	695	0.1	RMS	682.098	-57.9	-13	Pass	6650
695	725	0.1	RMS	708.65	19.87	60	Pass	601
725	1000	0.1	RMS	996.599	-56.8	-13	Pass	2750
1000	3000	1	RMS	2657.829	-39.35	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.14	-13	Pass	7000



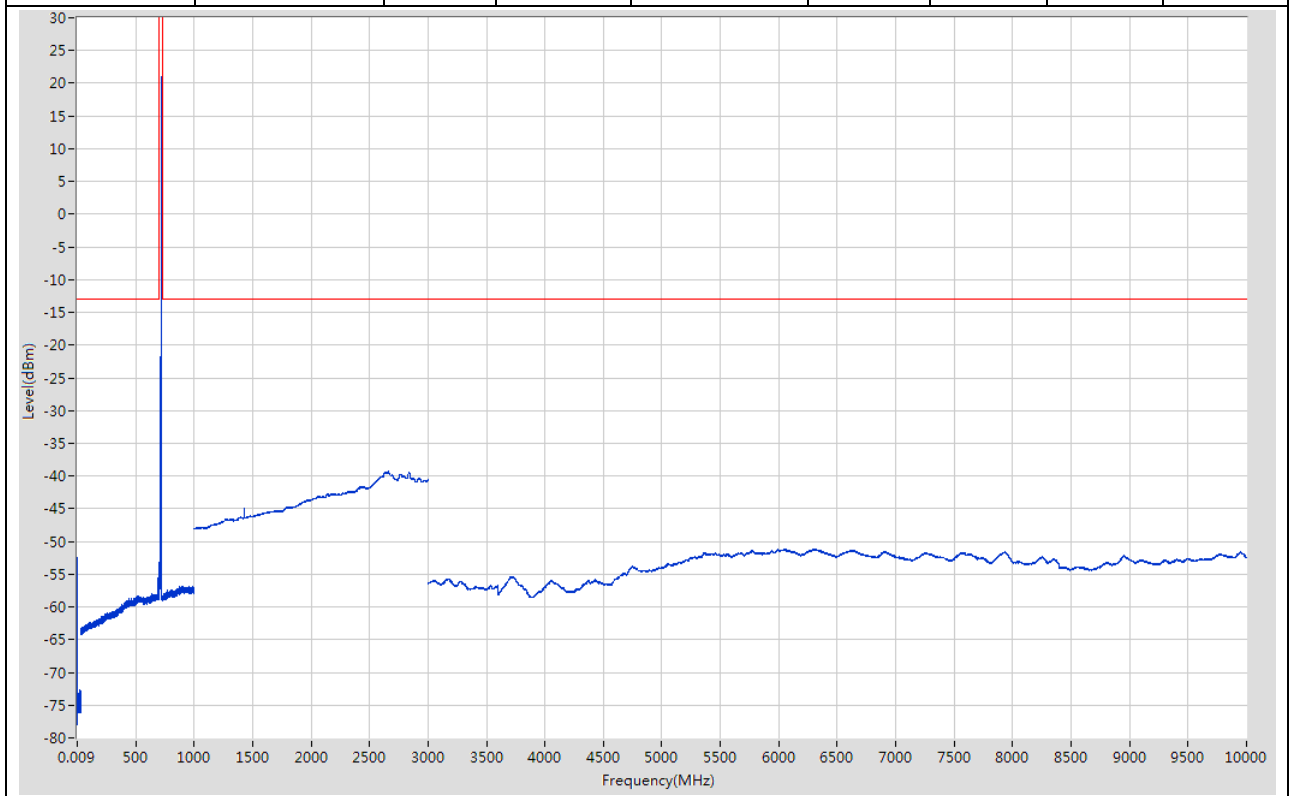
**1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.009	-53.82	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.54	-13	Pass	2985
30	695	0.1	RMS	687.299	-57.99	-13	Pass	6650
695	725	0.1	RMS	711.35	20.85	60	Pass	601
725	1000	0.1	RMS	893.061	-56.8	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.35	-13	Pass	2000
3000	10000	1	RMS	6308.473	-51.1	-13	Pass	7000



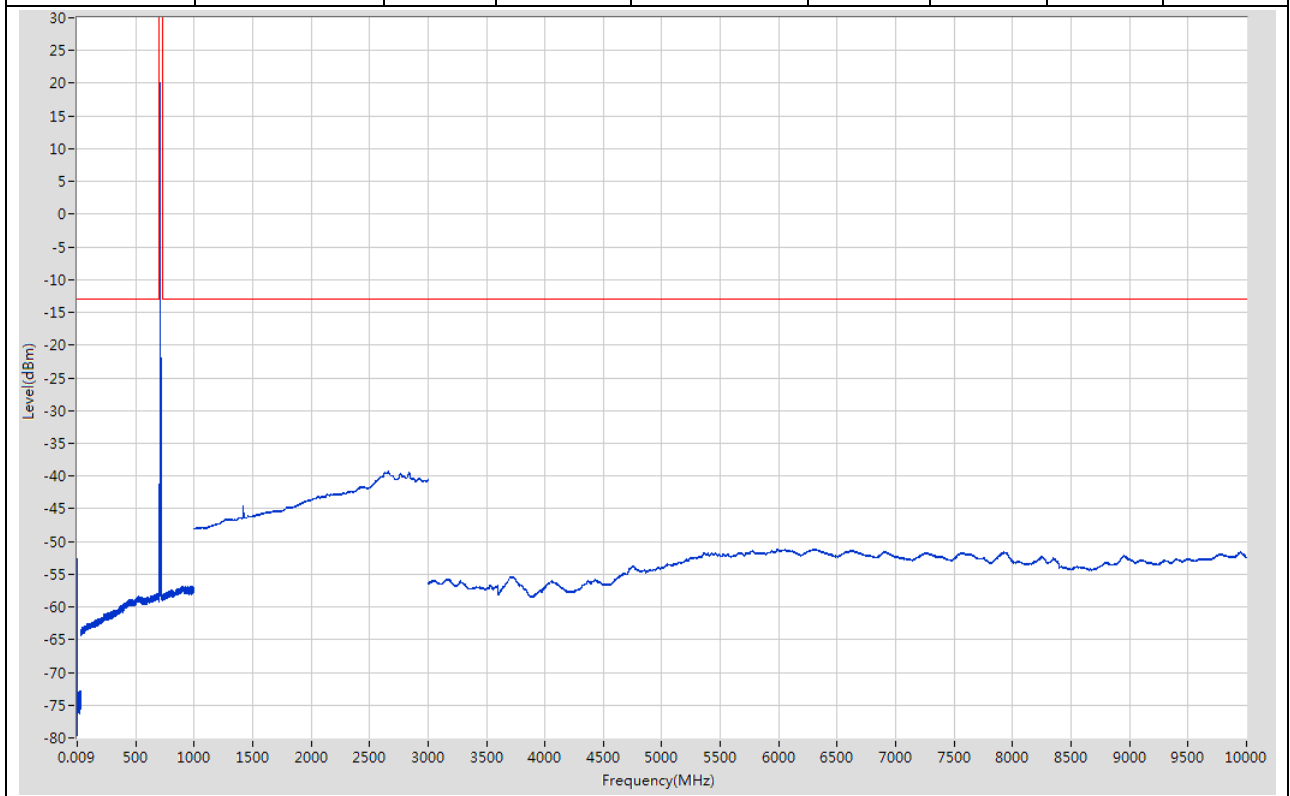
**1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.011	-54.5	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.36	-13	Pass	2985
30	695	0.1	RMS	694.5	-55.11	-13	Pass	6650
695	725	0.1	RMS	715.65	20.94	60	Pass	601
725	1000	0.1	RMS	909.367	-56.85	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.31	-13	Pass	2000
3000	10000	1	RMS	6297.471	-51.16	-13	Pass	7000



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

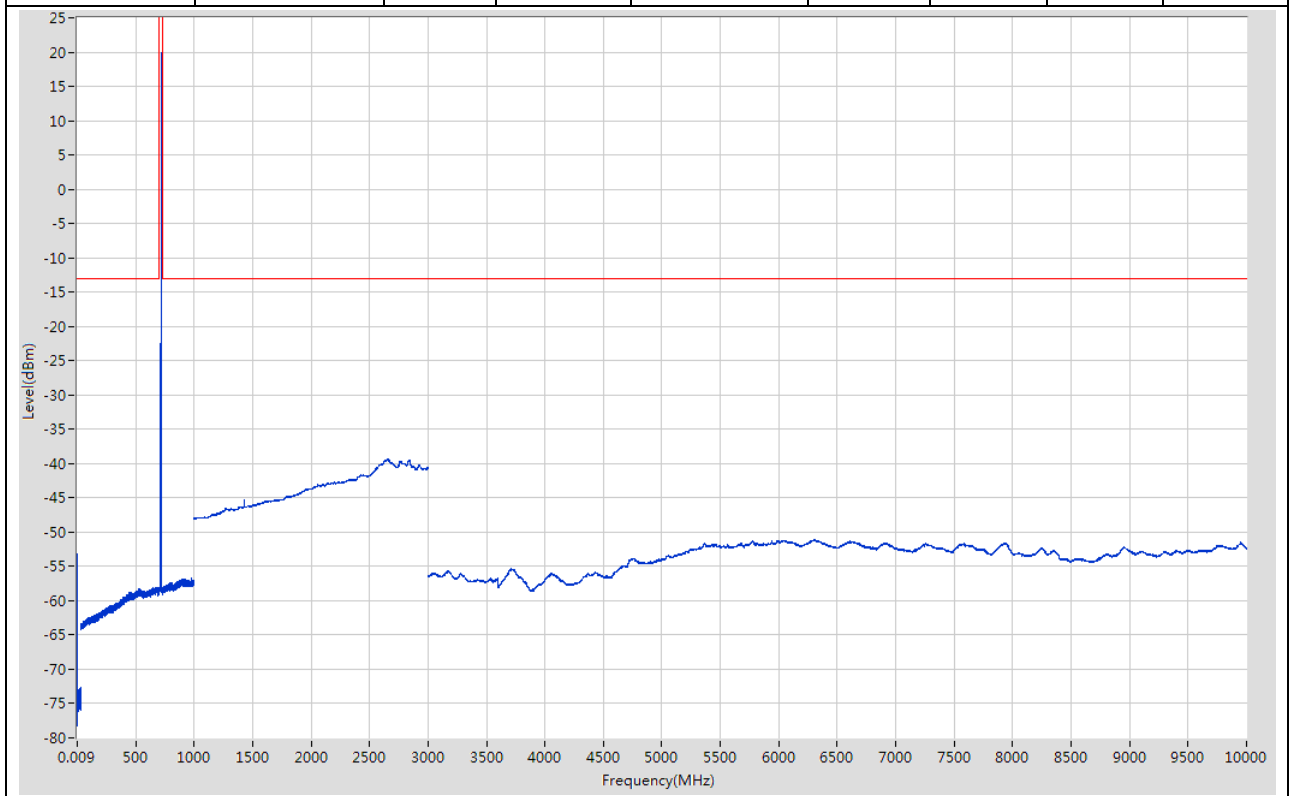
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.63	-13	Pass	2985
30	695	0.1	RMS	680.698	-57.88	-13	Pass	6650
695	725	0.1	RMS	711.35	20.06	60	Pass	601
725	1000	0.1	RMS	977.292	-56.85	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.29	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.09	-13	Pass	7000





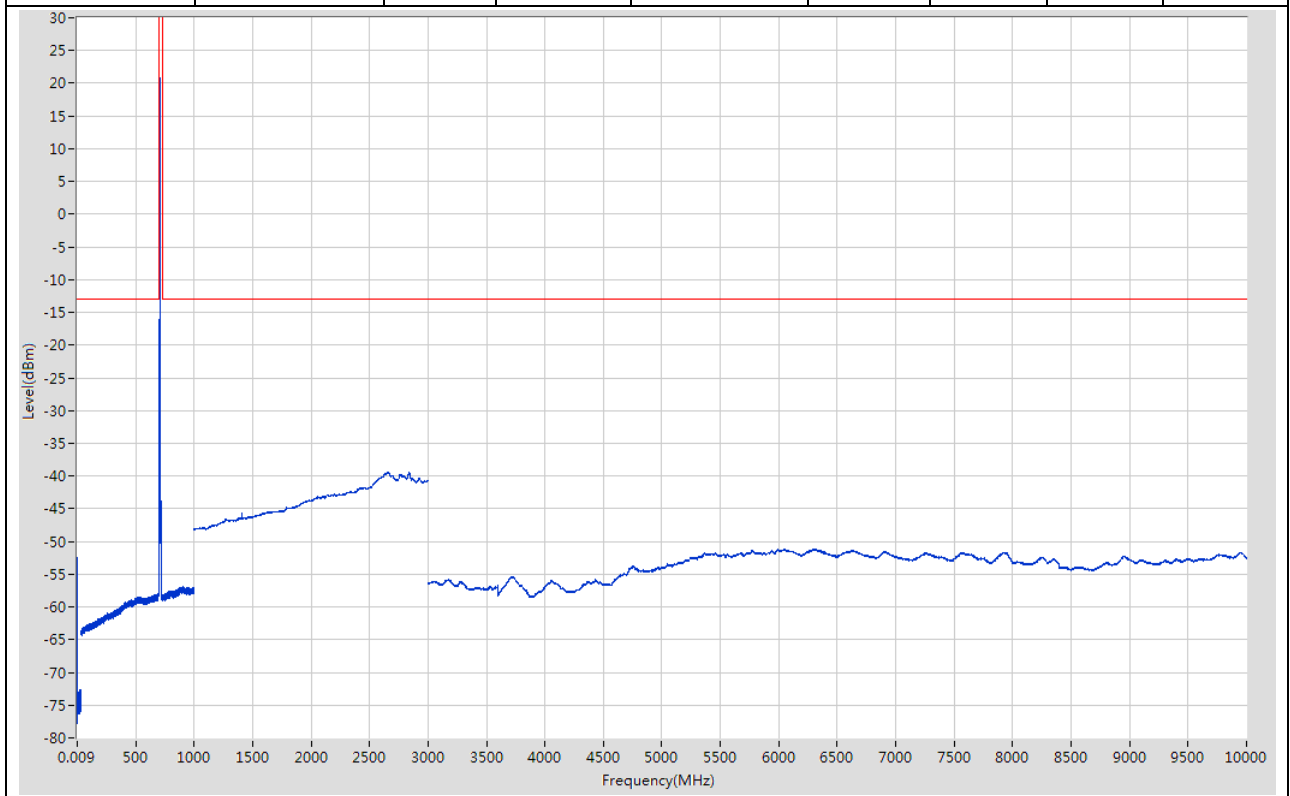
**1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23825, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	-54.29	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.18	-13	Pass	2985
30	695	0.1	RMS	694.9	-58.05	-13	Pass	6650
695	725	0.1	RMS	715.65	19.99	60	Pass	601
725	1000	0.1	RMS	981.493	-56.67	-13	Pass	2750
1000	3000	1	RMS	2660.83	-39.32	-13	Pass	2000
3000	10000	1	RMS	6303.472	-51.07	-13	Pass	7000



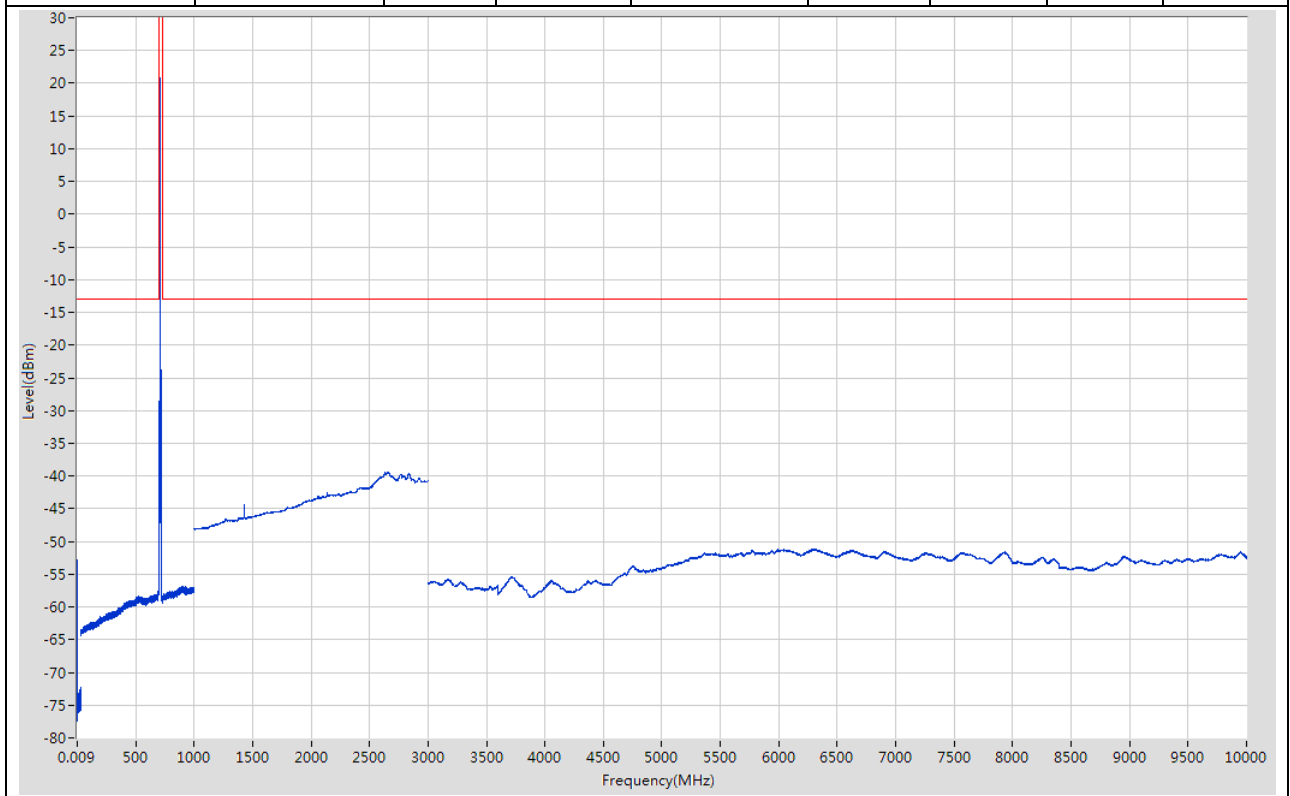
**1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	-53.32	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.41	-13	Pass	2985
30	695	0.1	RMS	694.7	-57.14	-13	Pass	6650
695	725	0.1	RMS	704.6	20.89	60	Pass	601
725	1000	0.1	RMS	901.264	-56.82	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.44	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.15	-13	Pass	7000



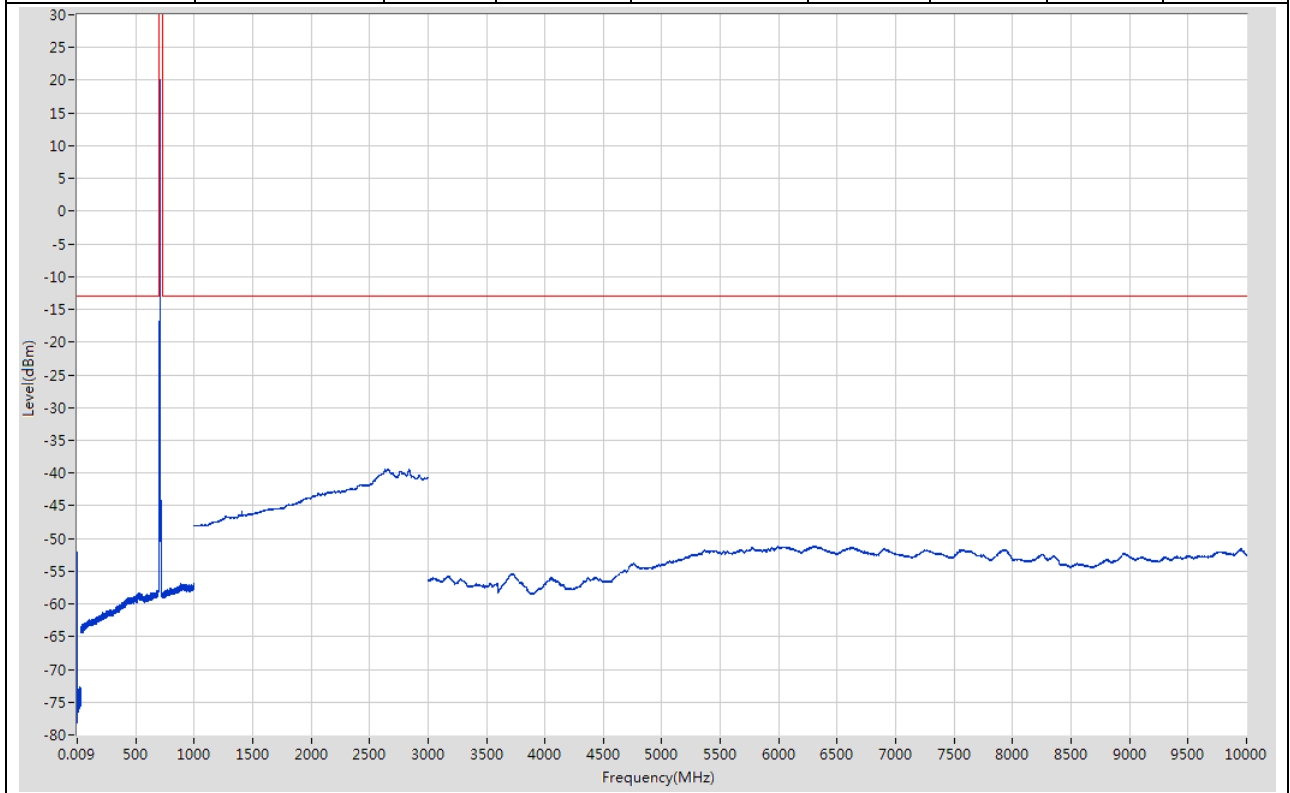
**1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.009	-52.86	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.93	-13	Pass	2985
30	695	0.1	RMS	695	-54.98	-13	Pass	6650
695	725	0.1	RMS	713.4	20.88	60	Pass	601
725	1000	0.1	RMS	898.763	-56.89	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.38	-13	Pass	2000
3000	10000	1	RMS	6300.471	-51.17	-13	Pass	7000



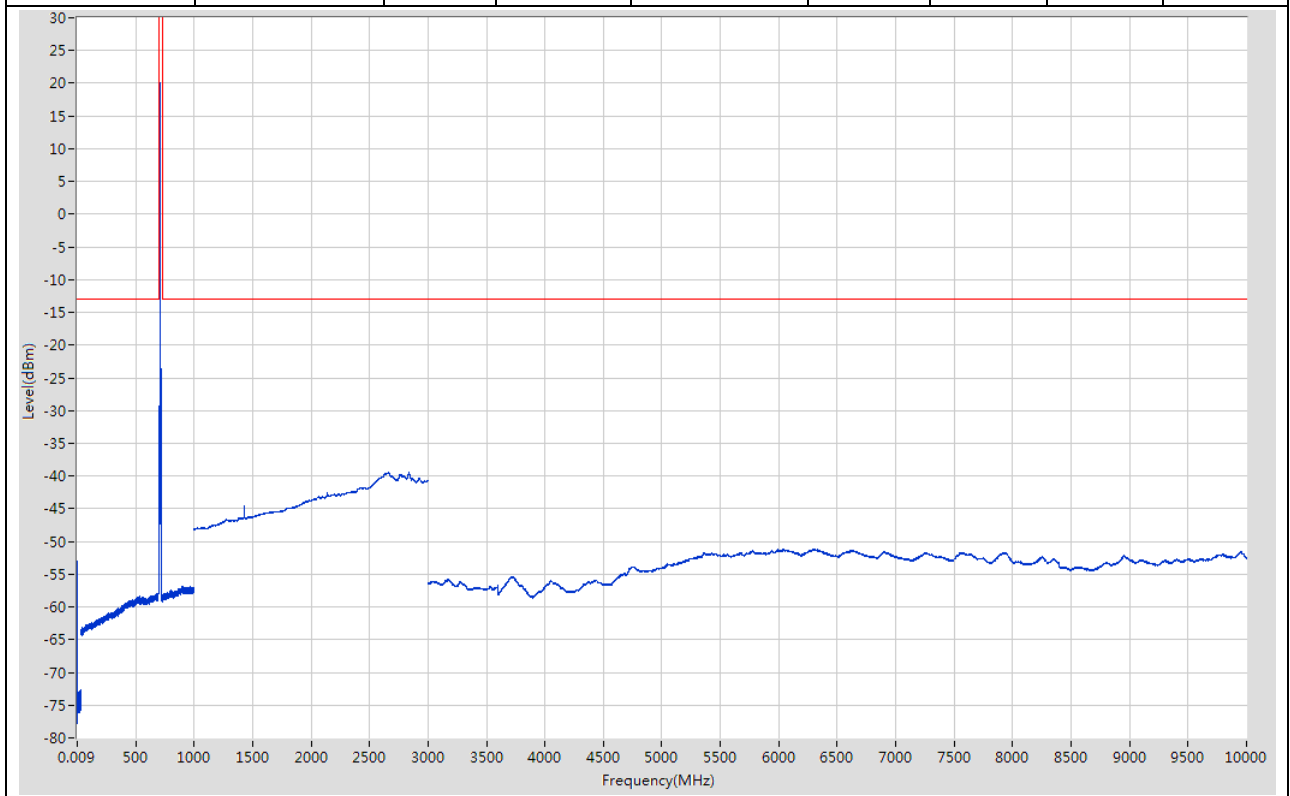
**1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

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	-53.01	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.1	-13	Pass	2985
30	695	0.1	RMS	694.7	-57.11	-13	Pass	6650
695	725	0.1	RMS	704.6	20.06	60	Pass	601
725	1000	0.1	RMS	998.299	-56.88	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.37	-13	Pass	2000
3000	10000	1	RMS	6304.472	-51.12	-13	Pass	7000



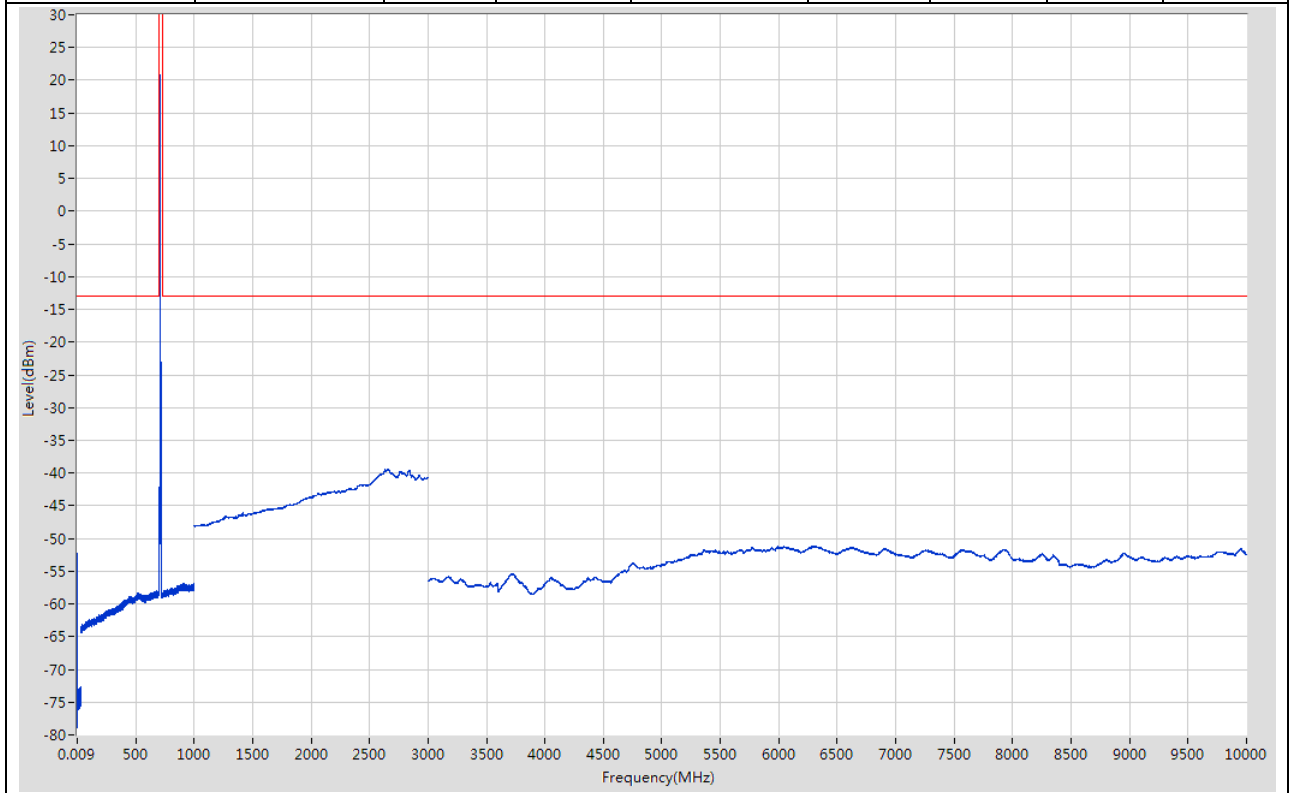
**1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:23780, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

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	0.01	-53.97	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.91	-13	Pass	2985
30	695	0.1	RMS	694.9	-55.91	-13	Pass	6650
695	725	0.1	RMS	713.4	20.07	60	Pass	601
725	1000	0.1	RMS	889.16	-56.9	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.4	-13	Pass	2000
3000	10000	1	RMS	6298.471	-51.13	-13	Pass	7000



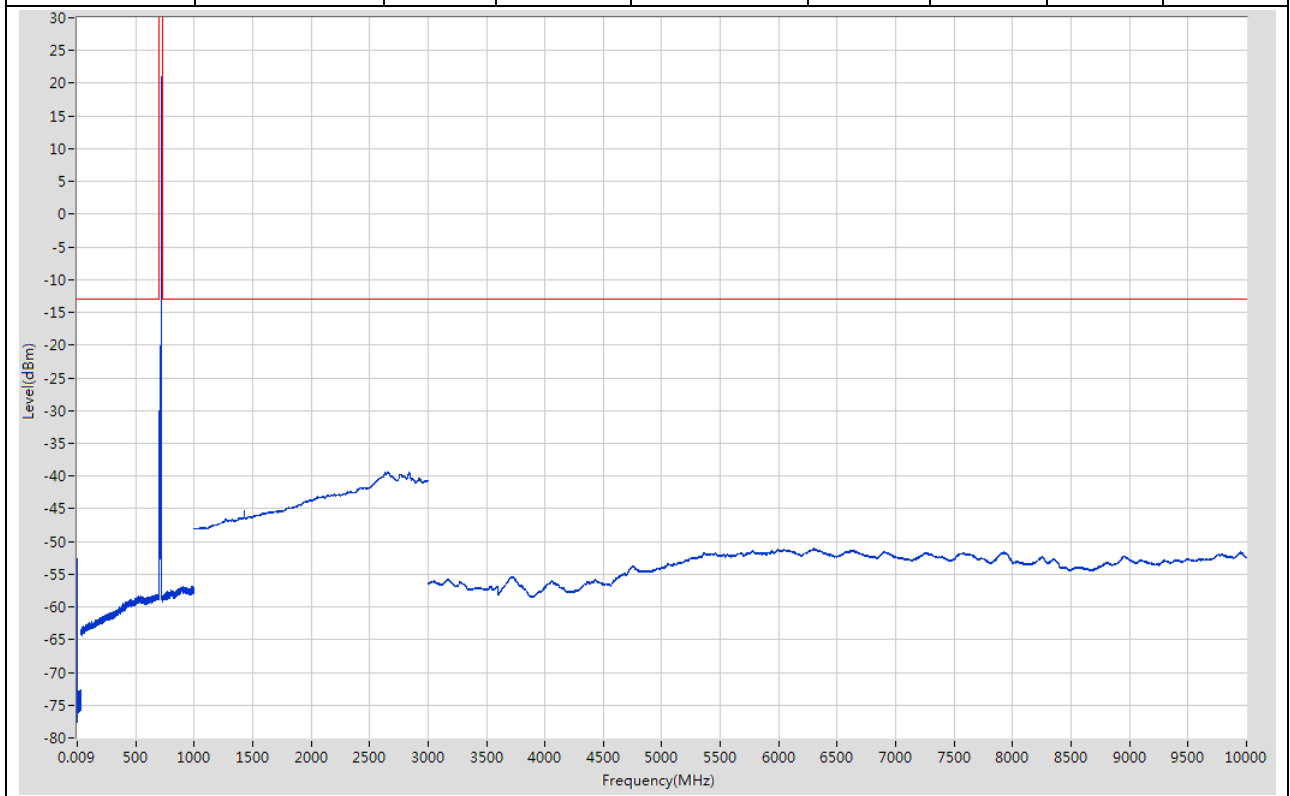
**1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

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	0.009	-53.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.27	-13	Pass	2985
30	695	0.1	RMS	694.9	-57.89	-13	Pass	6650
695	725	0.1	RMS	706.6	20.9	60	Pass	601
725	1000	0.1	RMS	911.768	-56.88	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.43	-13	Pass	2000
3000	10000	1	RMS	6301.472	-51.13	-13	Pass	7000



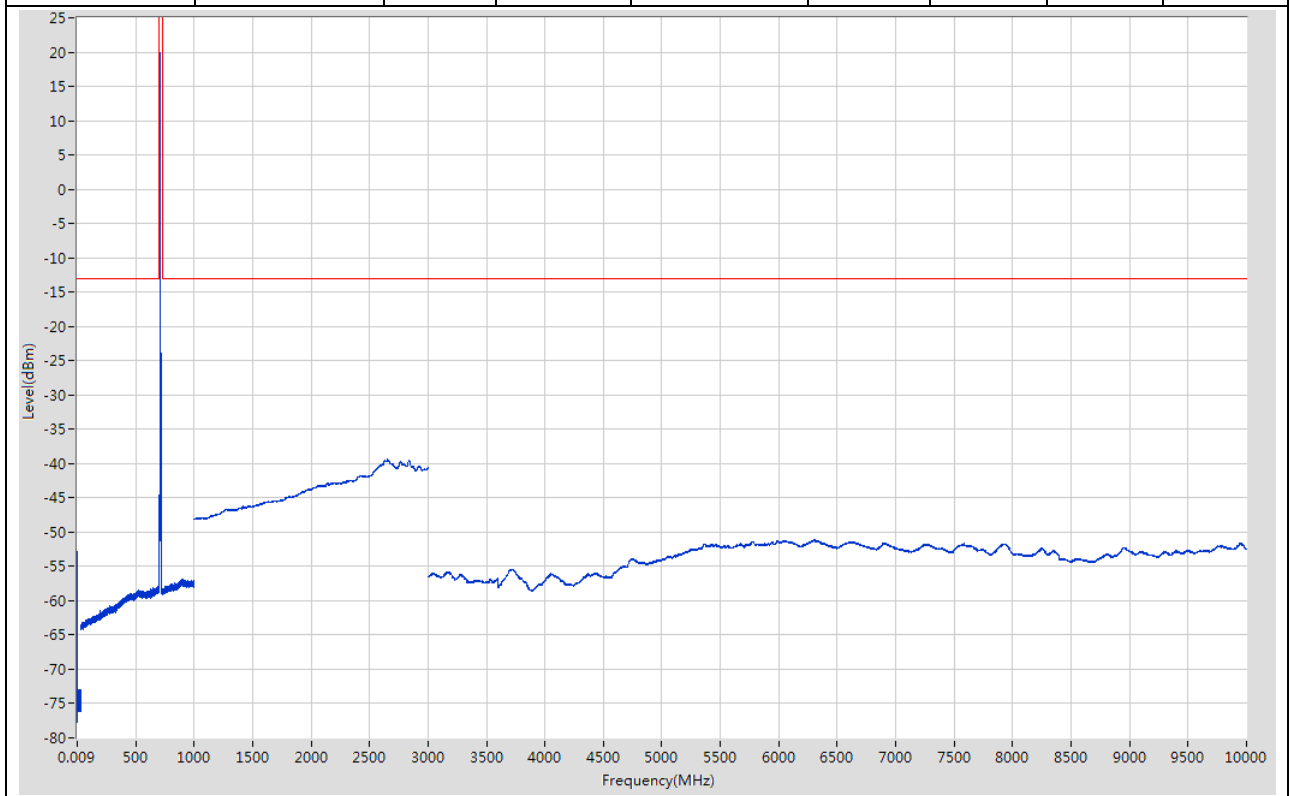
**1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

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	0.009	-53.05	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.68	-13	Pass	2985
30	695	0.1	RMS	694.9	-57.85	-13	Pass	6650
695	725	0.1	RMS	715.4	21.01	60	Pass	601
725	1000	0.1	RMS	978.592	-56.87	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.44	-13	Pass	2000
3000	10000	1	RMS	6302.472	-51.06	-13	Pass	7000



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

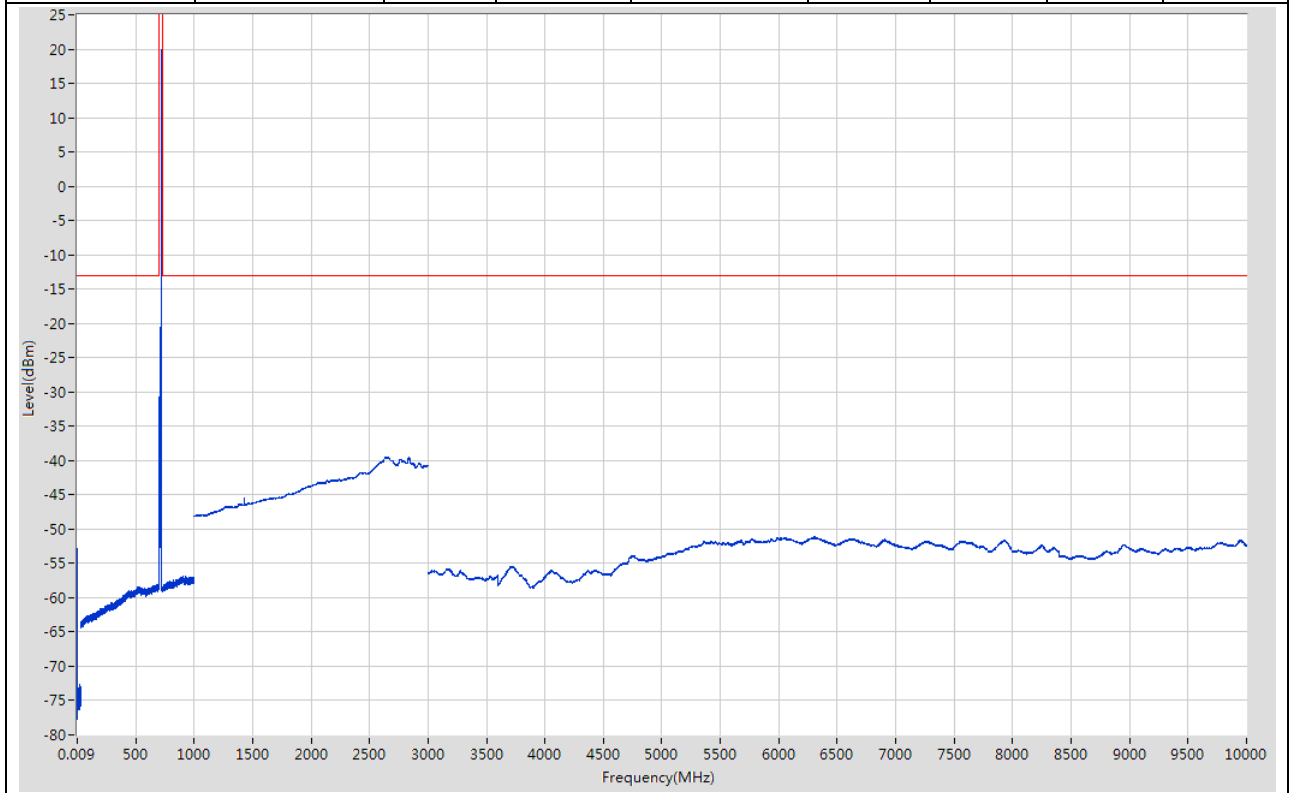
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.92	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.85	-13	Pass	2985
30	695	0.1	RMS	693.4	-57.97	-13	Pass	6650
695	725	0.1	RMS	706.6	19.93	60	Pass	601
725	1000	0.1	RMS	900.364	-56.8	-13	Pass	2750
1000	3000	1	RMS	2655.828	-39.42	-13	Pass	2000
3000	10000	1	RMS	6306.472	-51.13	-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	0.01	-53.23	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.91	-13	Pass	2985
30	695	0.1	RMS	693.1	-58.05	-13	Pass	6650
695	725	0.1	RMS	715.4	19.85	60	Pass	601
725	1000	0.1	RMS	928.374	-56.9	-13	Pass	2750
1000	3000	1	RMS	2659.83	-39.46	-13	Pass	2000
3000	10000	1	RMS	6305.472	-51.13	-13	Pass	7000



END