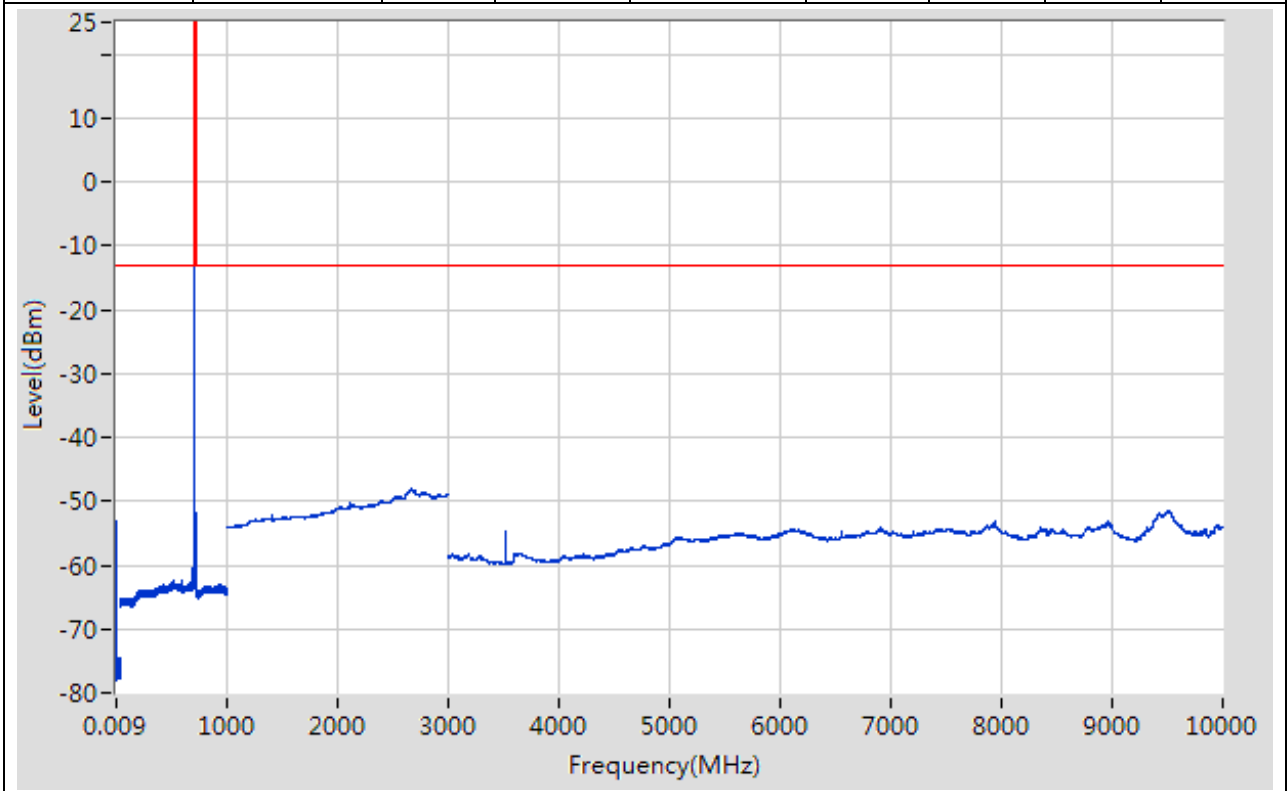# Annex C. LTE Transmitter Spurious Emissions
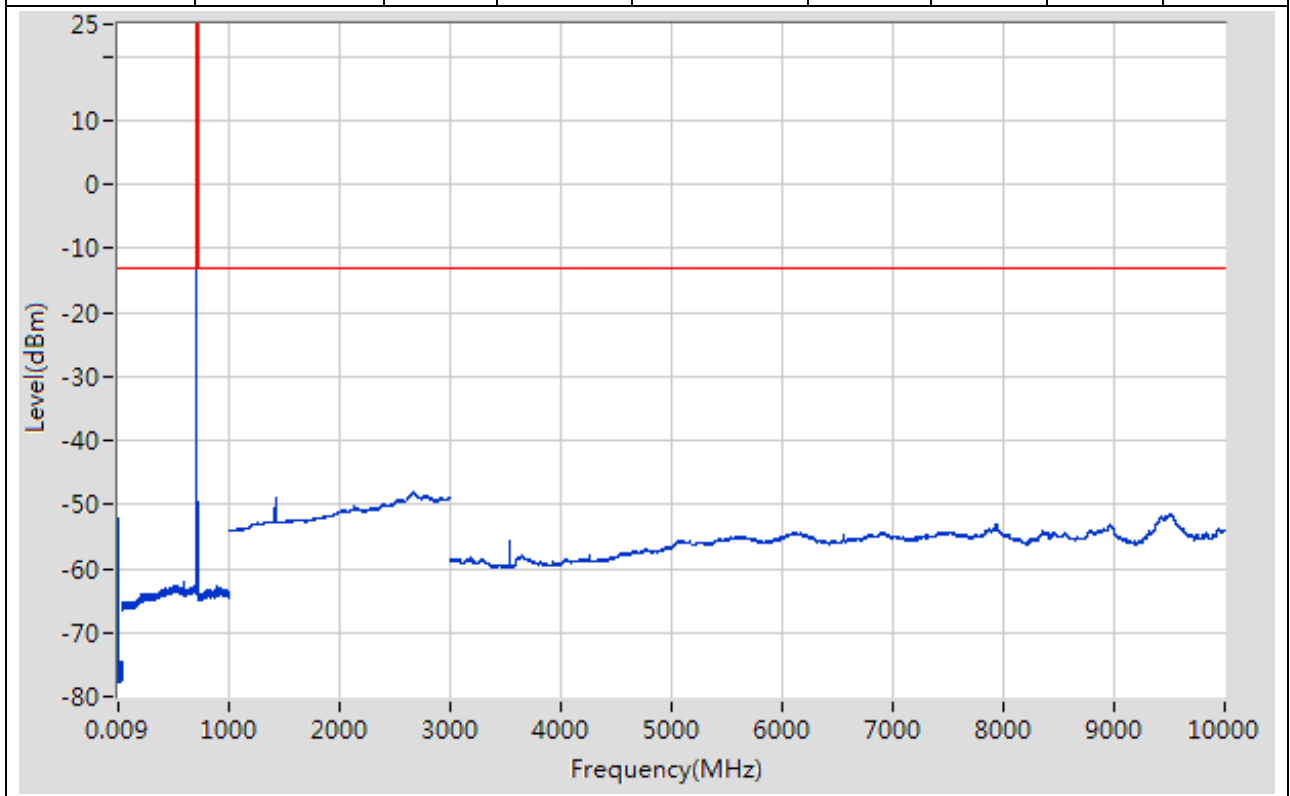
1. LTE_Band17

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

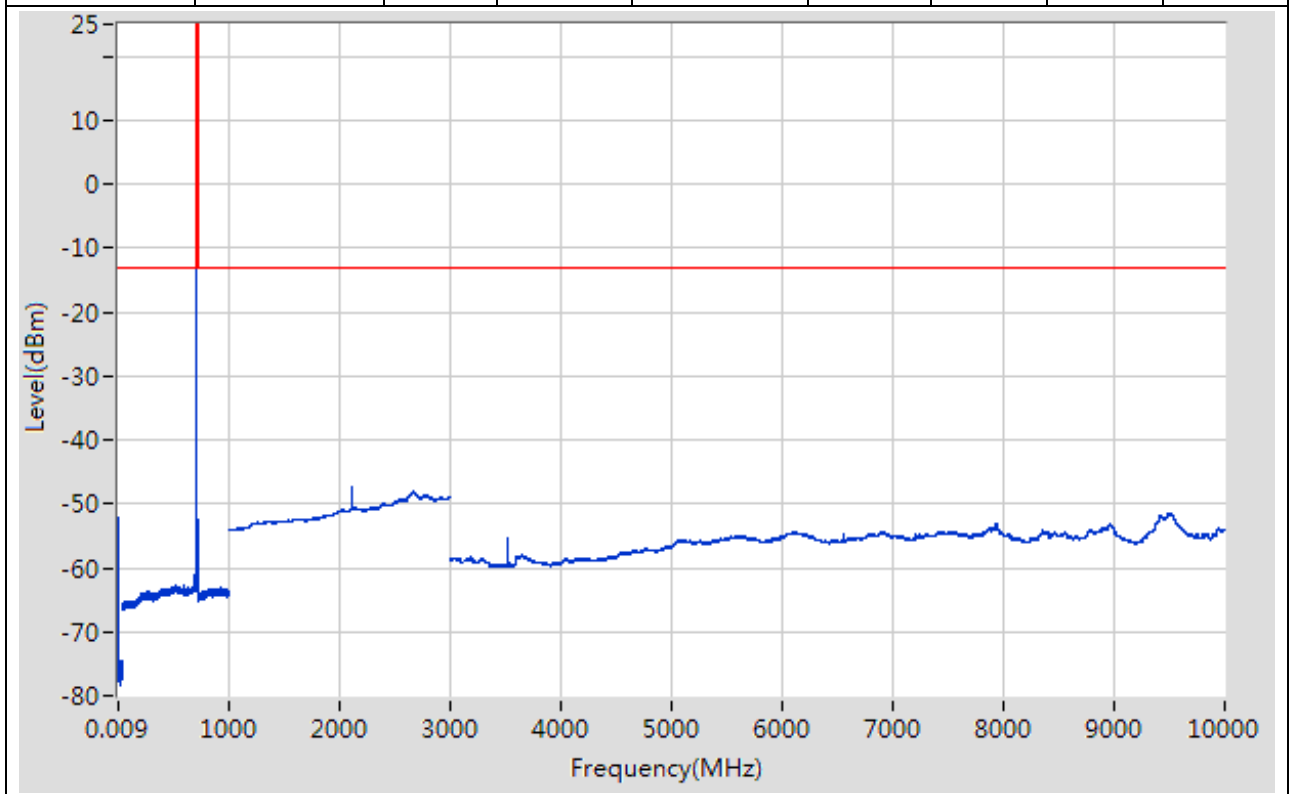| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.01	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.33	-13	Pass	2985
30	695	0.1	RMS	689.999	-60.44	-13	Pass	6650
695	725	0.1	RMS	704.35	18.18	60	Pass	601
725	1000	0.1	RMS	937.177	-63.18	-13	Pass	2750
1000	3000	1	RMS	2669.835	-48.12	-13	Pass	2000
3000	10000	1	RMS	9516.931	-51.63	-13	Pass	7000

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

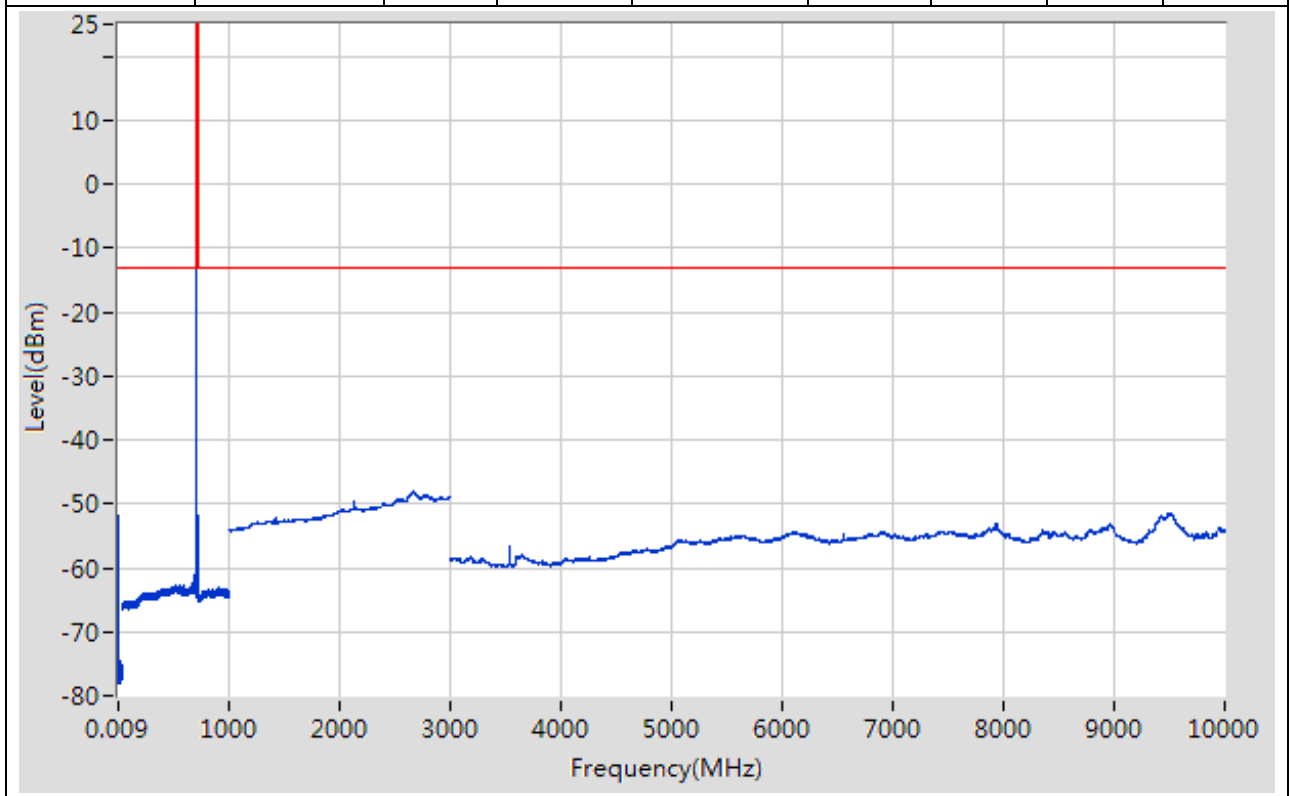| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.17	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.49	-13	Pass	2985
30	695	0.1	RMS	599.986	-62.17	-13	Pass	6650
695	725	0.1	RMS	708.65	19.54	60	Pass	601
725	1000	0.1	RMS	892.461	-62.62	-13	Pass	2750
1000	3000	1	RMS	2664.832	-48.1	-13	Pass	2000
3000	10000	1	RMS	9519.931	-51.6	-13	Pass	7000

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

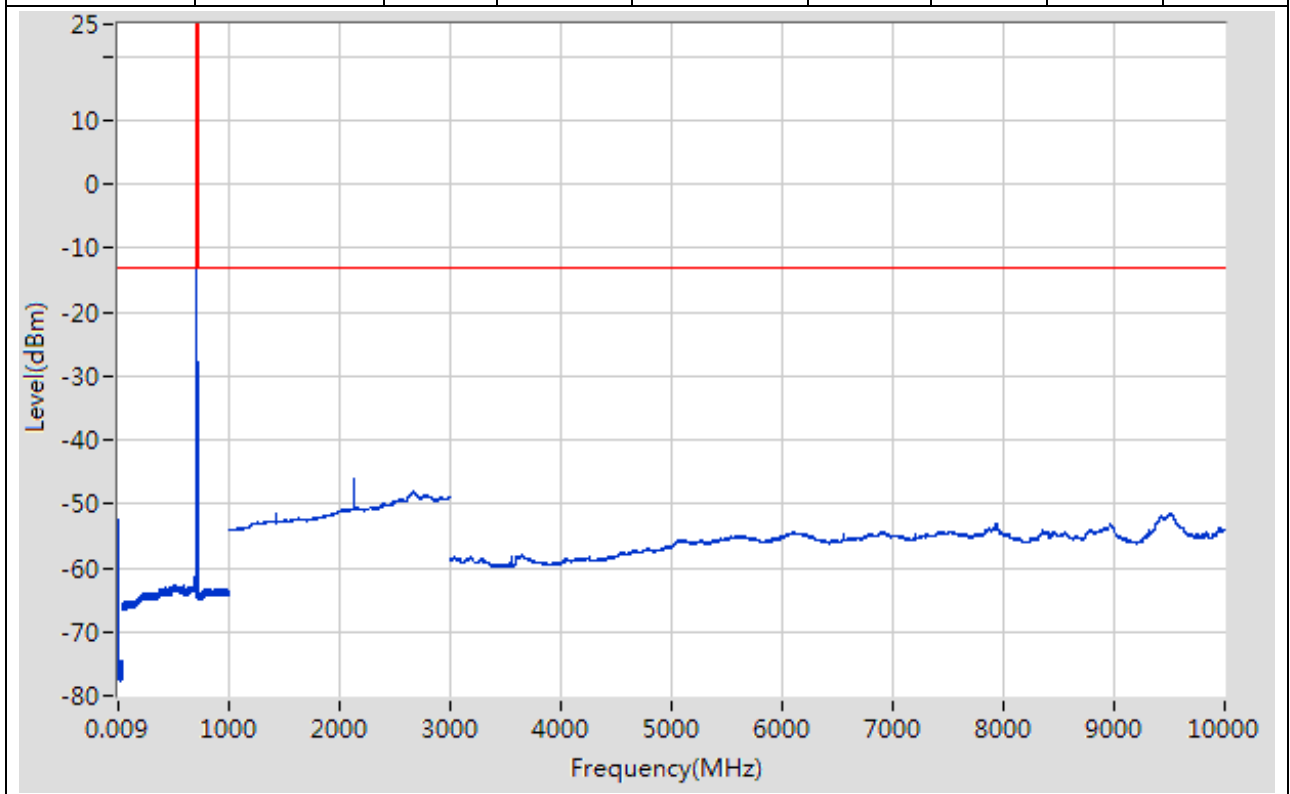| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.08	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.92	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.24	-13	Pass	6650
695	725	0.1	RMS	704.35	17.3	60	Pass	601
725	1000	0.1	RMS	921.171	-63.18	-13	Pass	2750
1000	3000	1	RMS	2112.556	-47.35	-13	Pass	2000
3000	10000	1	RMS	9514.931	-51.58	-13	Pass	7000

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

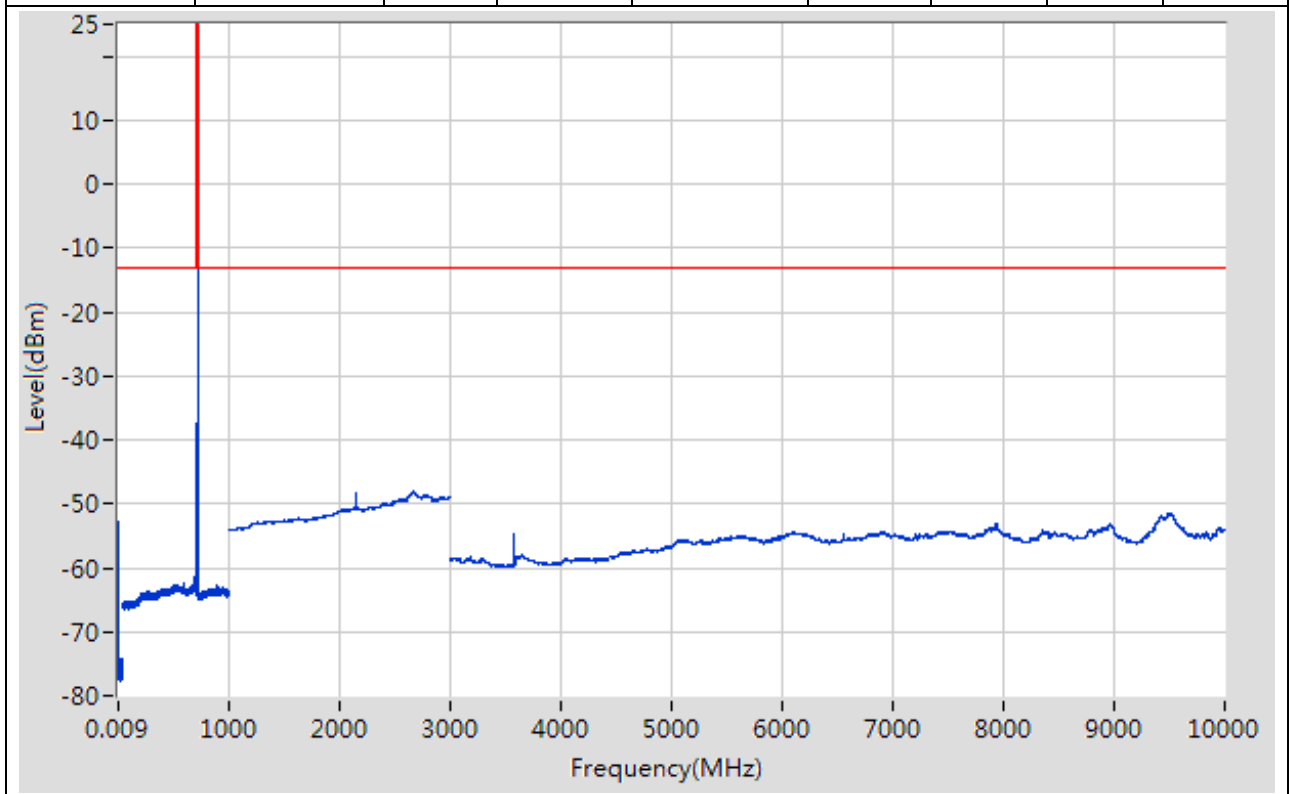| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-51.89	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.28	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.12	-13	Pass	6650
695	725	0.1	RMS	708.65	17.27	60	Pass	601
725	1000	0.1	RMS	912.468	-63.18	-13	Pass	2750
1000	3000	1	RMS	2667.834	-48.14	-13	Pass	2000
3000	10000	1	RMS	9517.931	-51.6	-13	Pass	7000

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

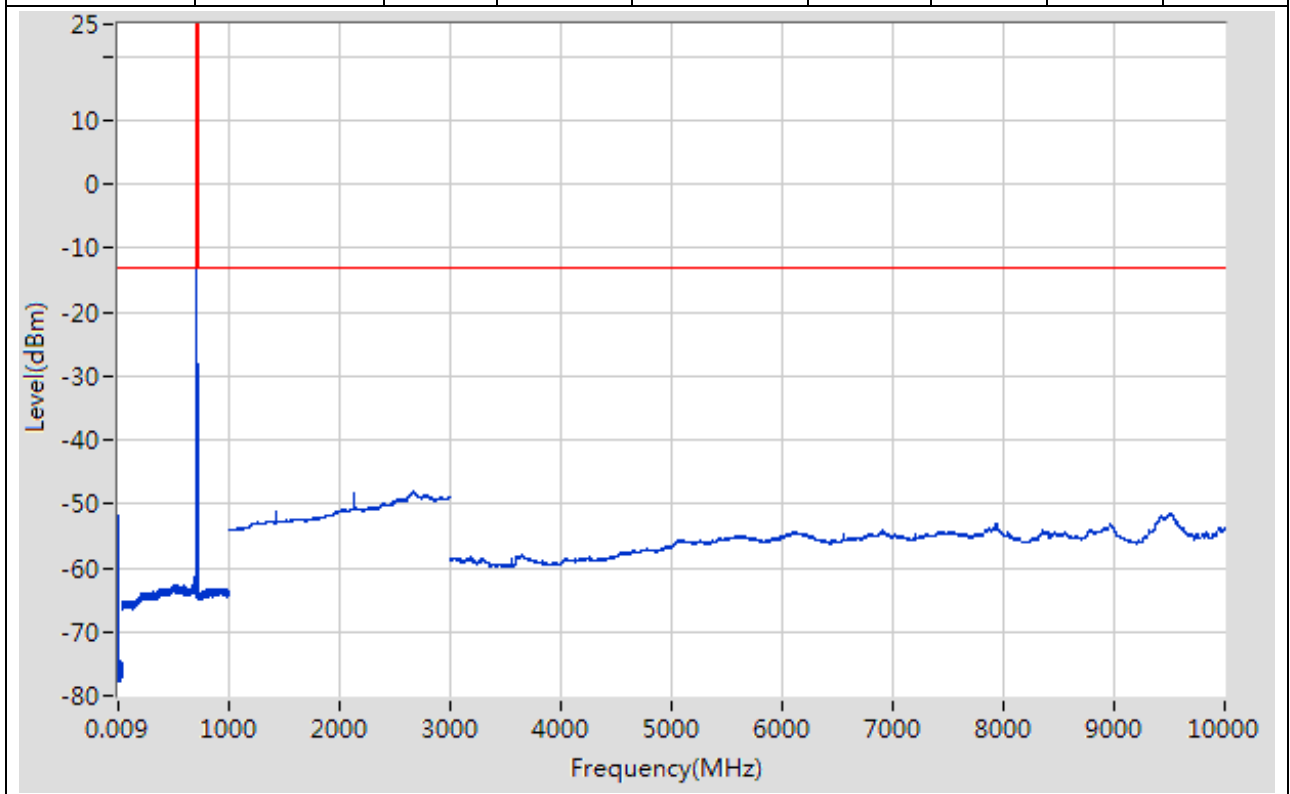| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.47	-13	Pass	601
0.15	30	0.01	RMS	0.16	-55.24	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.44	-13	Pass	6650
695	725	0.1	RMS	711.35	19	60	Pass	601
725	1000	0.1	RMS	923.072	-63.2	-13	Pass	2750
1000	3000	1	RMS	2133.567	-45.98	-13	Pass	2000
3000	10000	1	RMS	9505.929	-51.62	-13	Pass	7000

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

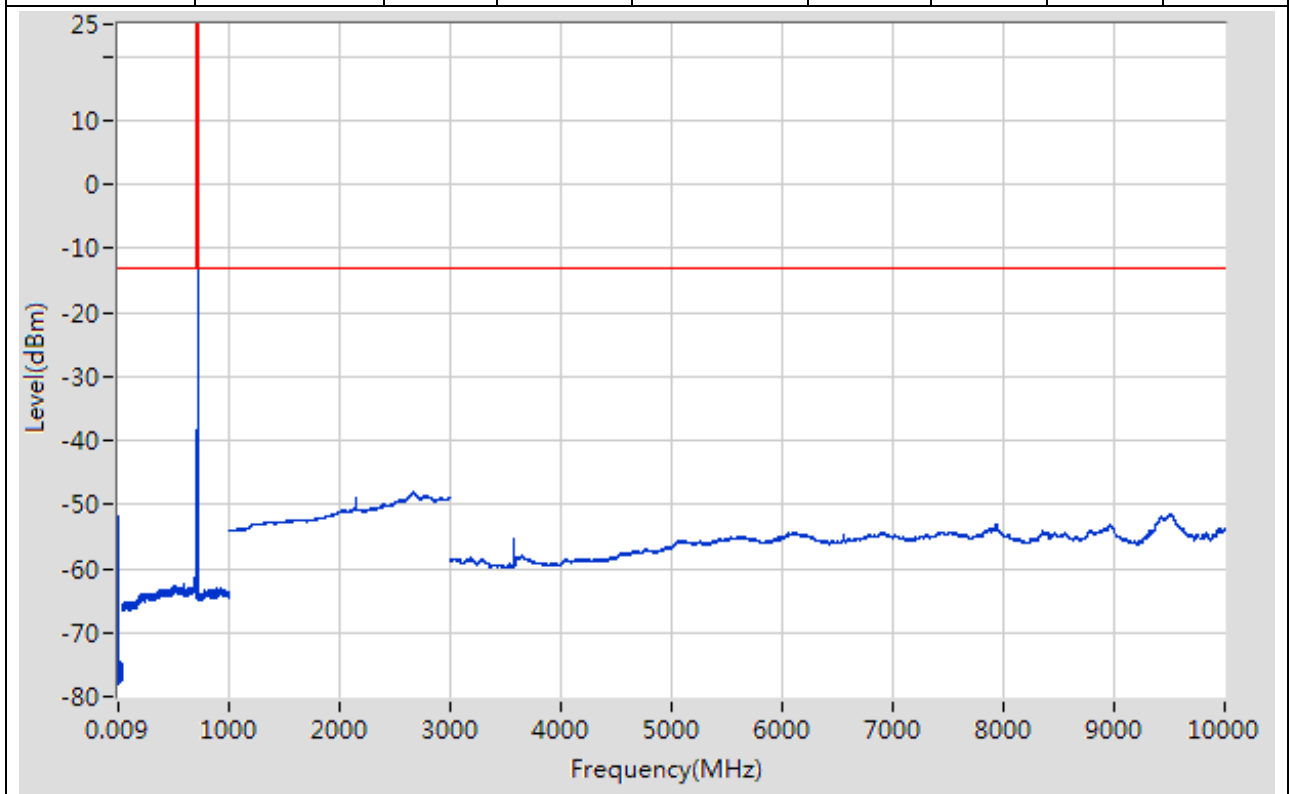| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.65	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.51	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.4	-13	Pass	6650
695	725	0.1	RMS	715.65	18.97	60	Pass	601
725	1000	0.1	RMS	892.461	-62.66	-13	Pass	2750
1000	3000	1	RMS	2664.832	-48.13	-13	Pass	2000
3000	10000	1	RMS	9489.927	-51.58	-13	Pass	7000

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

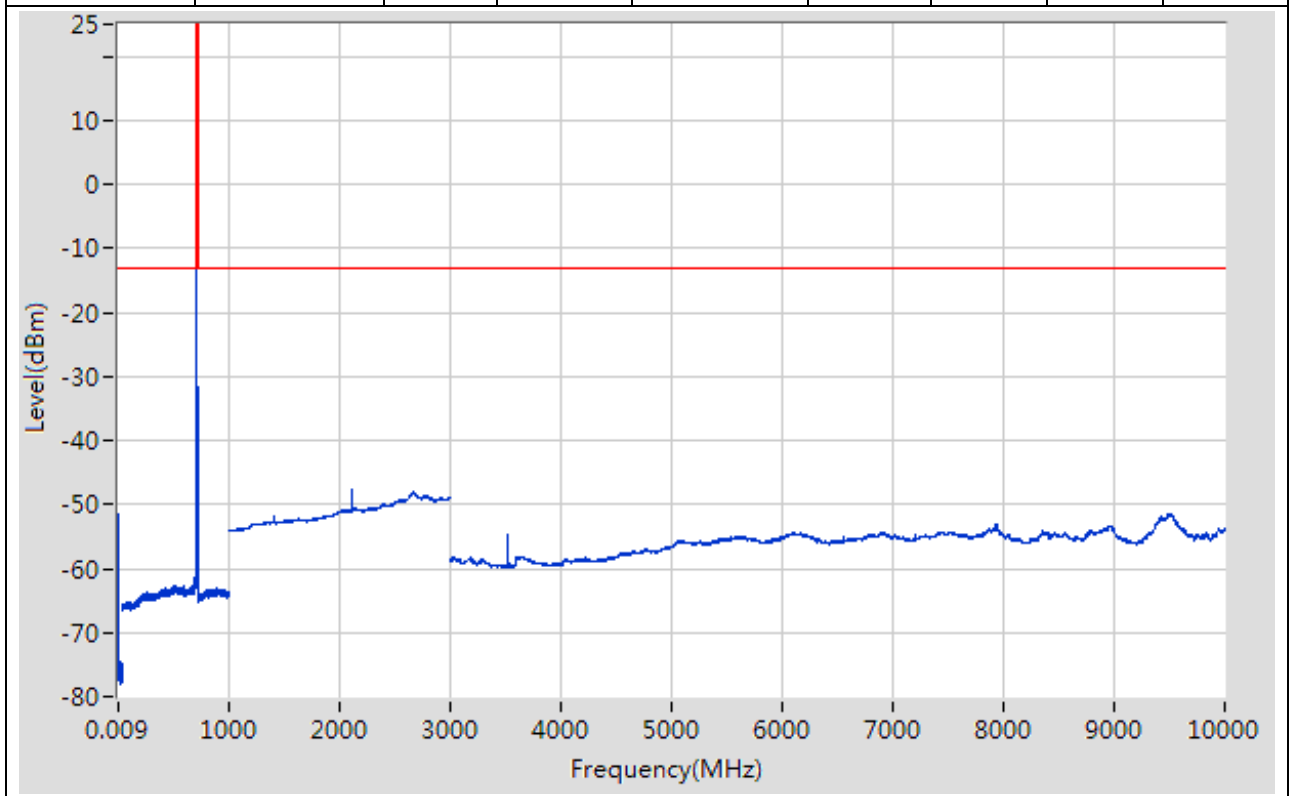| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.92	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.39	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.28	-13	Pass	6650
695	725	0.1	RMS	711.35	18.2	60	Pass	601
725	1000	0.1	RMS	959.885	-63.22	-13	Pass	2750
1000	3000	1	RMS	2669.835	-48.11	-13	Pass	2000
3000	10000	1	RMS	9504.929	-51.59	-13	Pass	7000

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

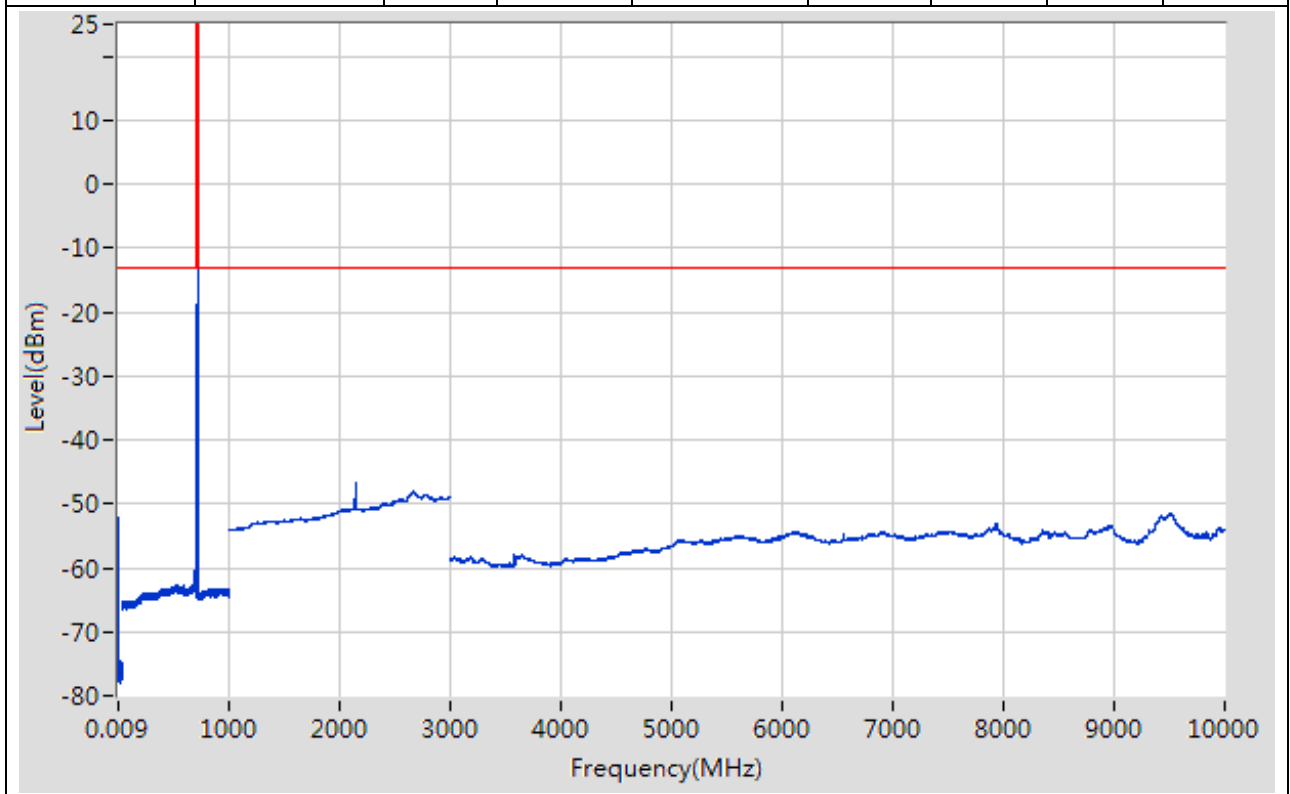| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-55.09	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.44	-13	Pass	6650
695	725	0.1	RMS	715.65	17.5	60	Pass	601
725	1000	0.1	RMS	892.361	-62.96	-13	Pass	2750
1000	3000	1	RMS	2667.834	-48.1	-13	Pass	2000
3000	10000	1	RMS	9513.931	-51.6	-13	Pass	7000

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

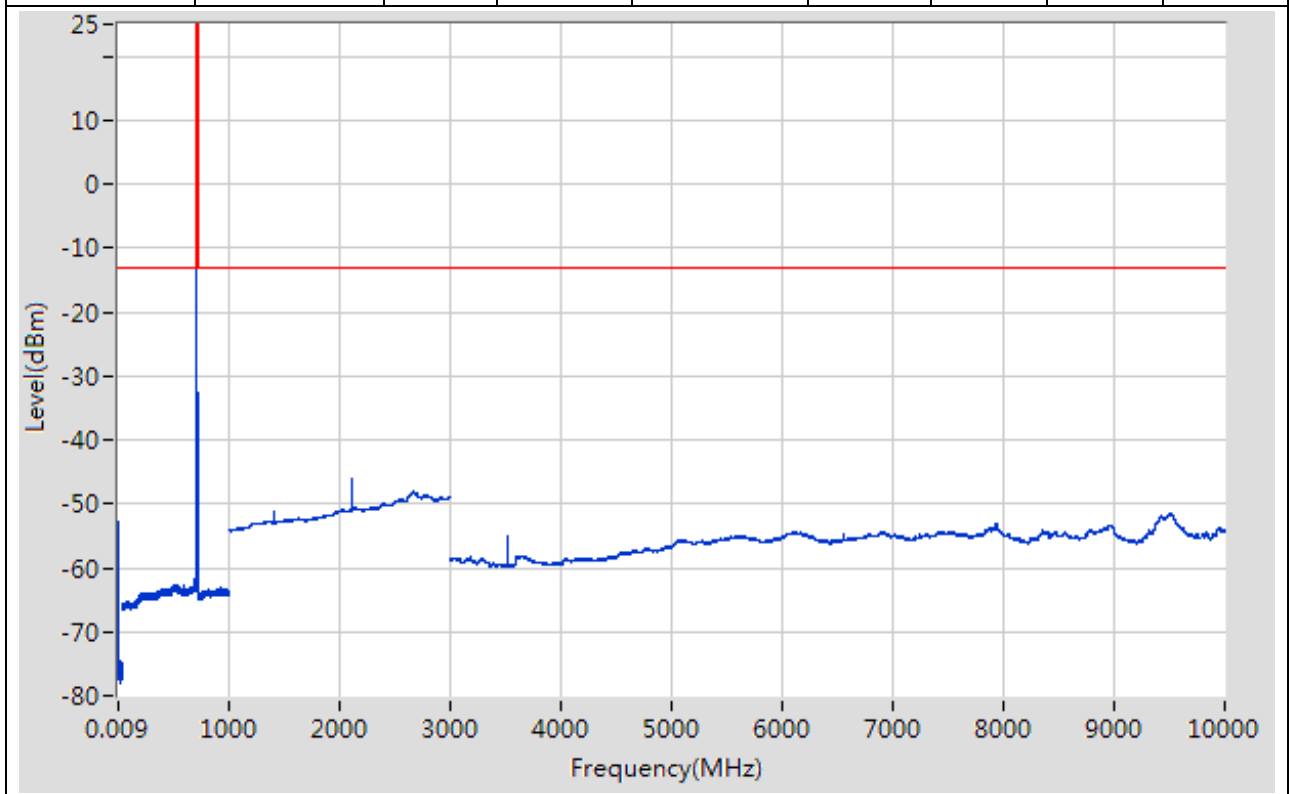| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.59	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.74	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.28	-13	Pass	6650
695	725	0.1	RMS	704.6	18.43	60	Pass	601
725	1000	0.1	RMS	892.461	-62.98	-13	Pass	2750
1000	3000	1	RMS	2113.557	-47.64	-13	Pass	2000
3000	10000	1	RMS	9520.932	-51.61	-13	Pass	7000

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

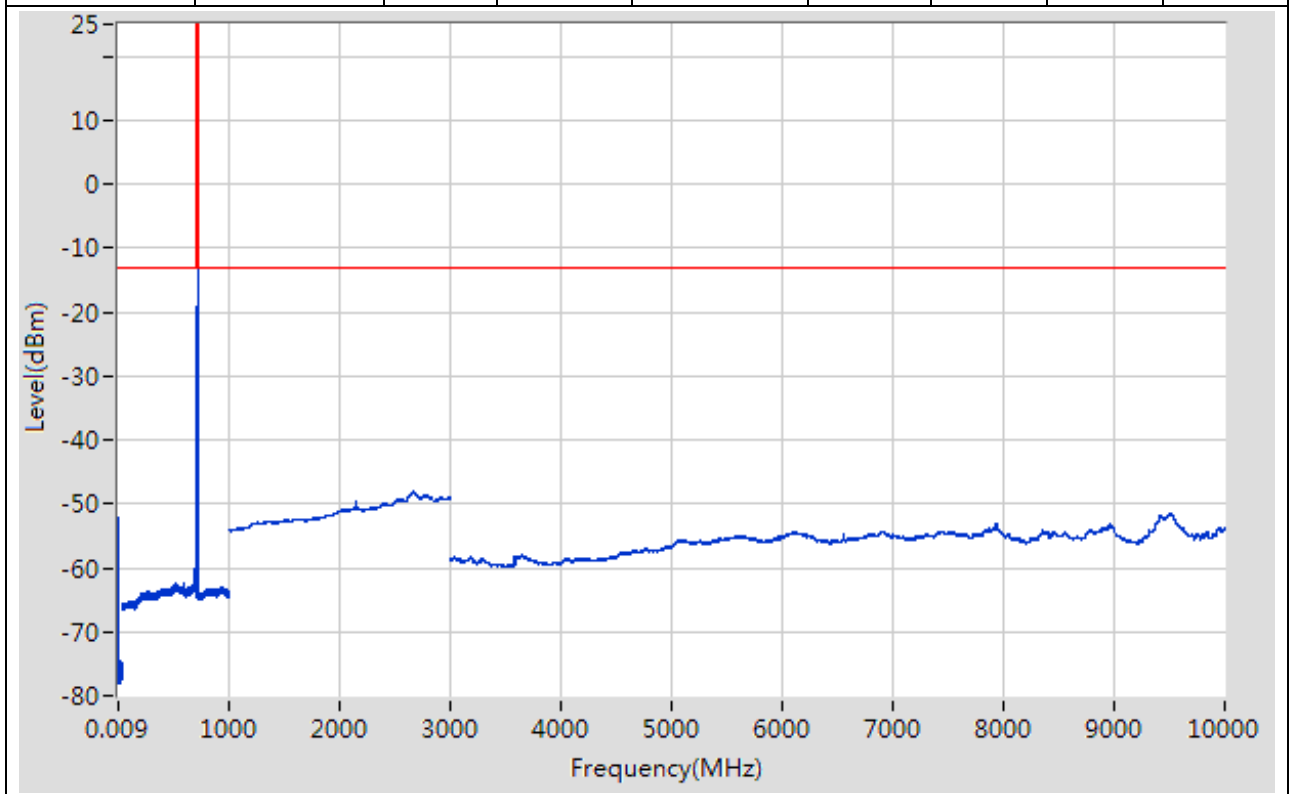| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.23	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.1	-13	Pass	2985
30	695	0.1	RMS	694.2	-60.36	-13	Pass	6650
695	725	0.1	RMS	713.4	18.42	60	Pass	601
725	1000	0.1	RMS	936.577	-63.22	-13	Pass	2750
1000	3000	1	RMS	2140.57	-46.7	-13	Pass	2000
3000	10000	1	RMS	9504.929	-51.64	-13	Pass	7000

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

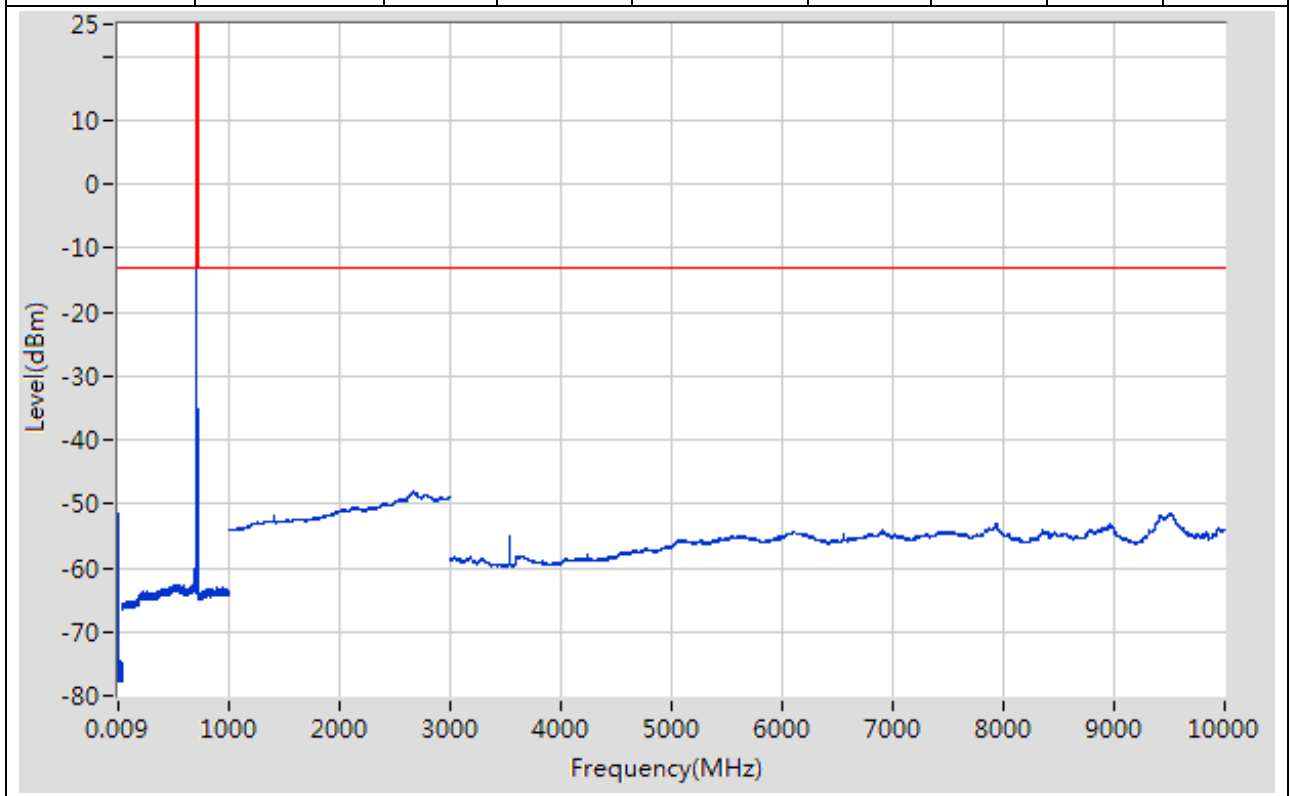| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.73	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.34	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.66	-13	Pass	6650
695	725	0.1	RMS	704.6	17.32	60	Pass	601
725	1000	0.1	RMS	920.971	-63.14	-13	Pass	2750
1000	3000	1	RMS	2113.557	-45.94	-13	Pass	2000
3000	10000	1	RMS	9510.93	-51.58	-13	Pass	7000

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

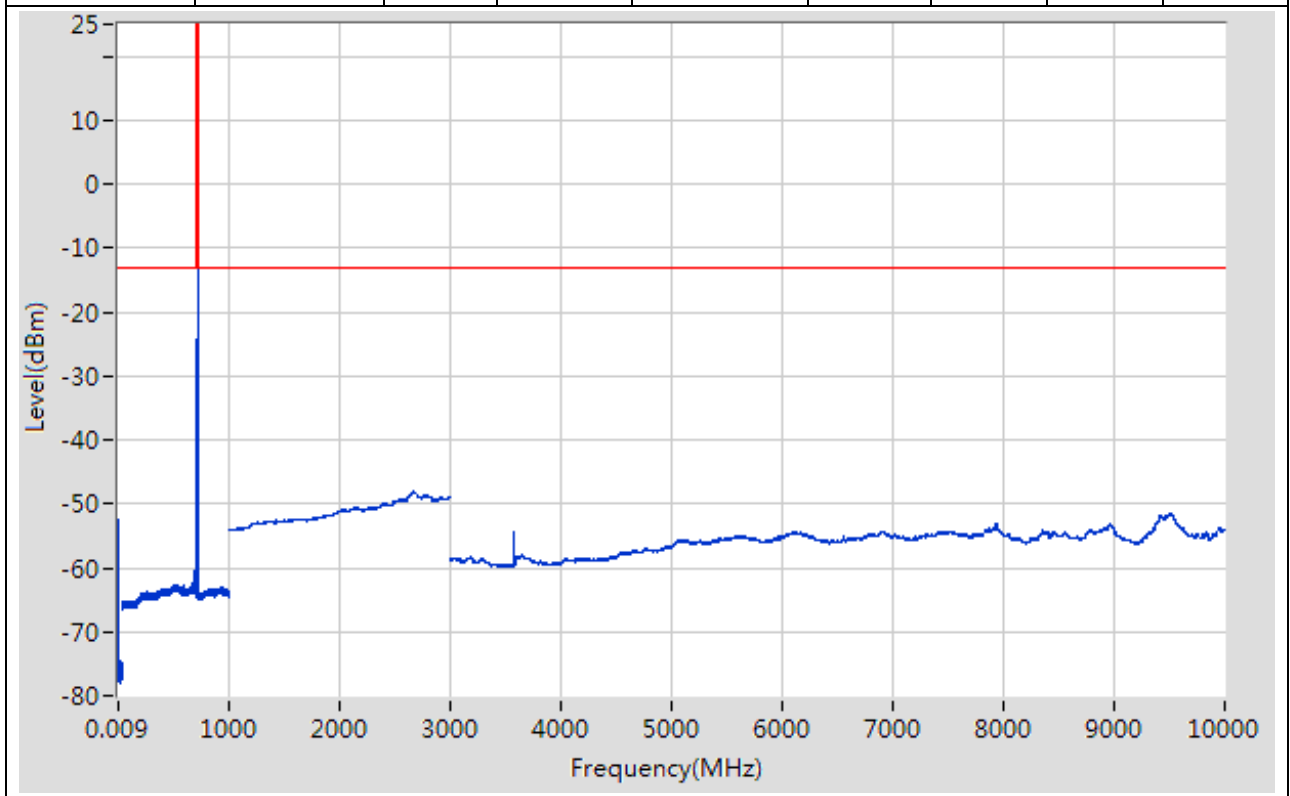| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.38	-13	Pass	2985
30	695	0.1	RMS	689.999	-60.02	-13	Pass	6650
695	725	0.1	RMS	713.4	18.03	60	Pass	601
725	1000	0.1	RMS	928.974	-63.07	-13	Pass	2750
1000	3000	1	RMS	2669.835	-48.13	-13	Pass	2000
3000	10000	1	RMS	9514.931	-51.52	-13	Pass	7000

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

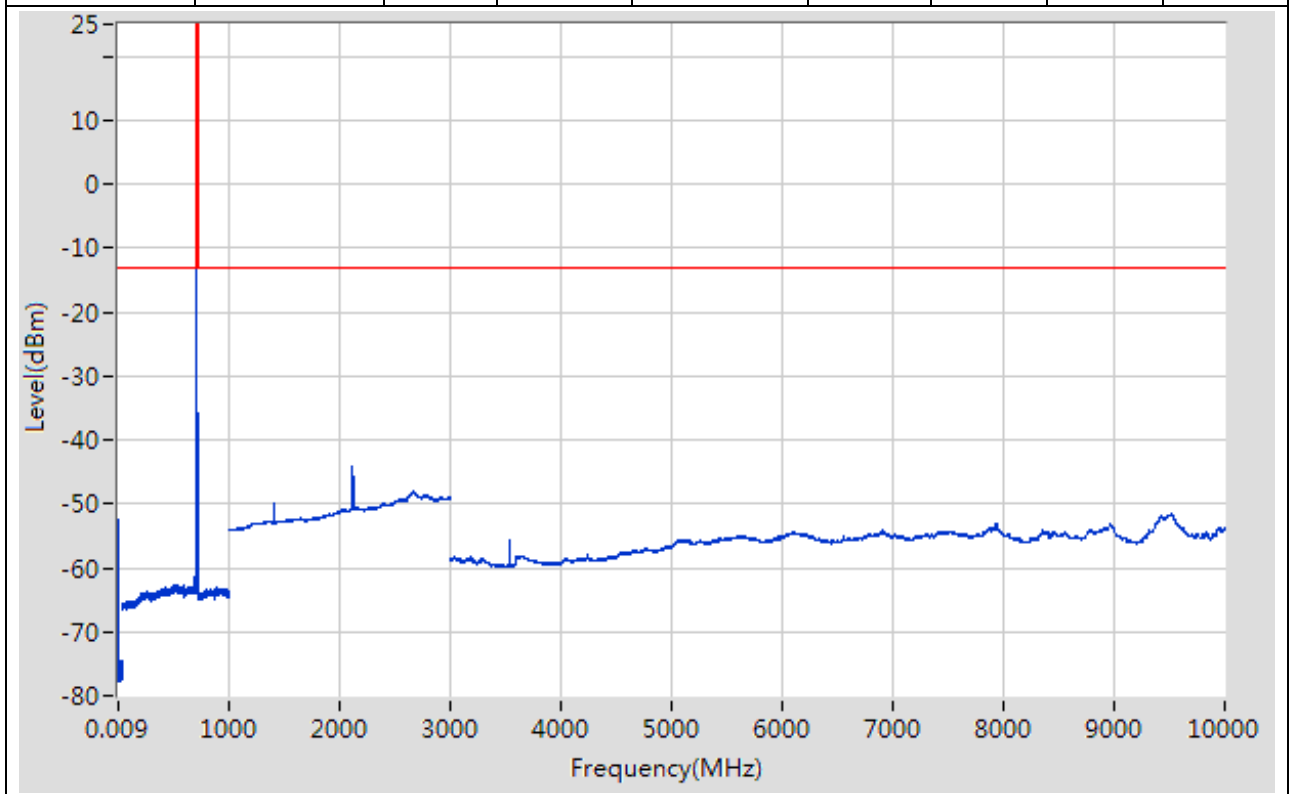| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.03	-13	Pass	2985
30	695	0.1	RMS	689.999	-60.23	-13	Pass	6650
695	725	0.1	RMS	706.6	18.58	60	Pass	601
725	1000	0.1	RMS	941.779	-63.15	-13	Pass	2750
1000	3000	1	RMS	2665.833	-48.06	-13	Pass	2000
3000	10000	1	RMS	9518.931	-51.57	-13	Pass	7000

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

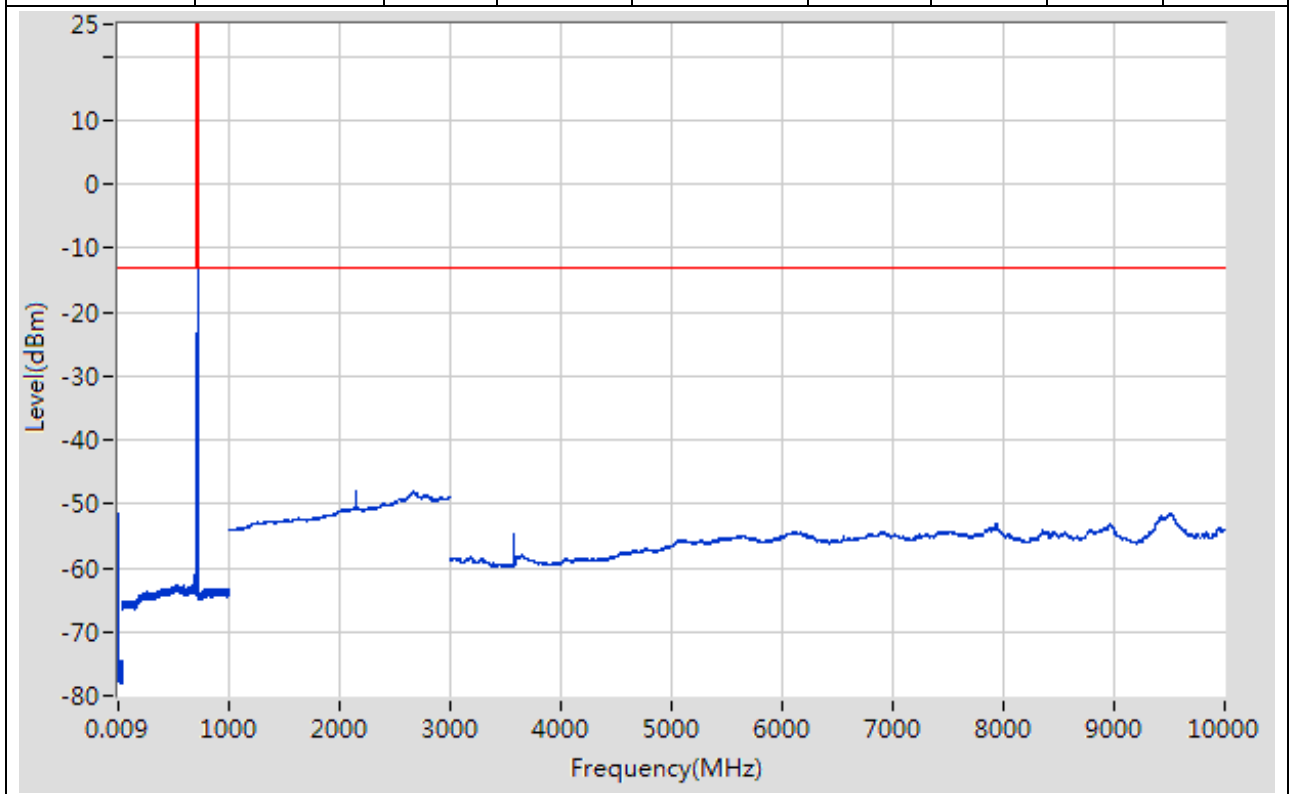| Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.6	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.47	-13	Pass	2985
30	695	0.1	RMS	689.999	-60.34	-13	Pass	6650
695	725	0.1	RMS	715.4	18.76	60	Pass	601
725	1000	0.1	RMS	936.377	-63.14	-13	Pass	2750
1000	3000	1	RMS	2666.833	-48.09	-13	Pass	2000
3000	10000	1	RMS	9510.93	-51.57	-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	-52.42	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.88	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.39	-13	Pass	6650
695	725	0.1	RMS	706.6	18.25	60	Pass	601
725	1000	0.1	RMS	895.662	-63.19	-13	Pass	2750
1000	3000	1	RMS	2119.56	-44.27	-13	Pass	2000
3000	10000	1	RMS	9511.93	-51.6	-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	-51.54	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.66	-13	Pass	2985
30	695	0.1	RMS	689.999	-61.07	-13	Pass	6650
695	725	0.1	RMS	715.4	18.37	60	Pass	601
725	1000	0.1	RMS	938.678	-63.2	-13	Pass	2750
1000	3000	1	RMS	2146.573	-48.08	-13	Pass	2000
3000	10000	1	RMS	9519.931	-51.55	-13	Pass	7000

END