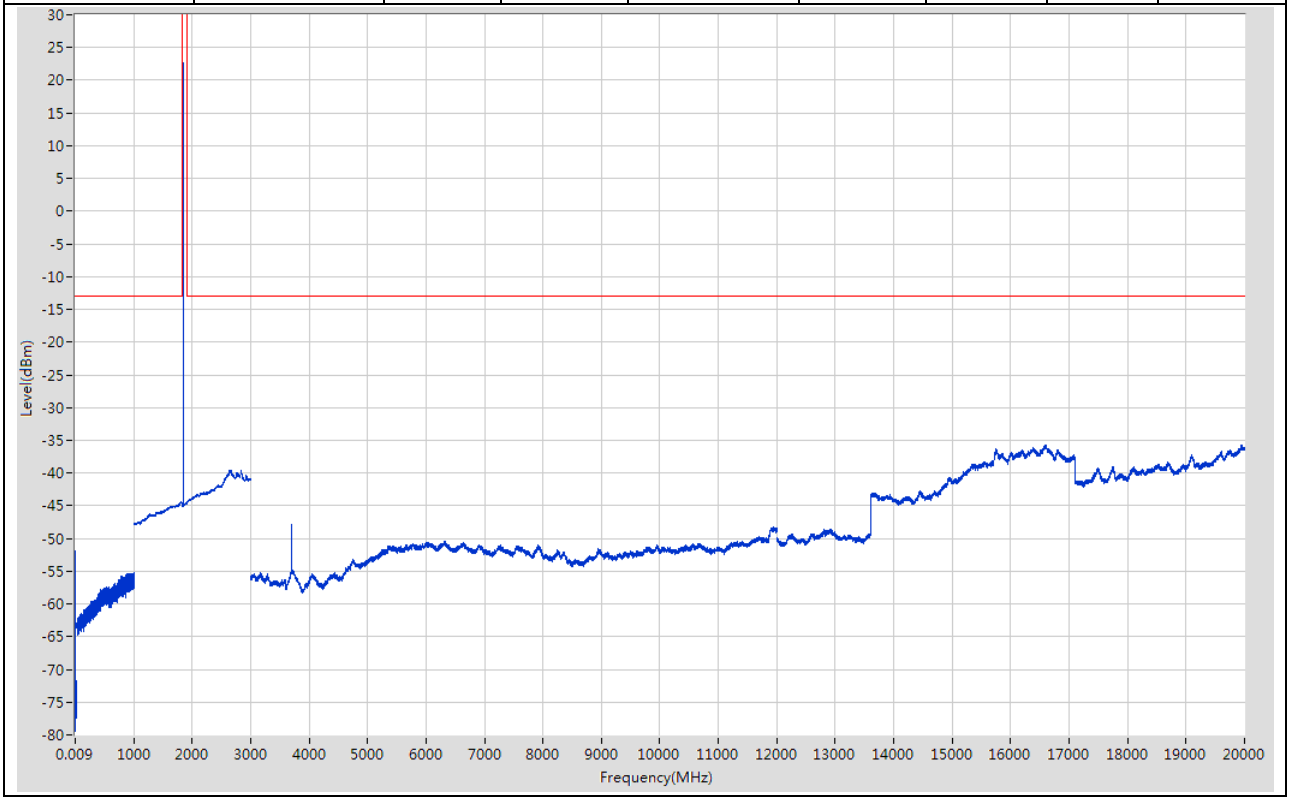
# Annex C. LTE Transmitter Spurious Emissions

# 1. LTE_Band2

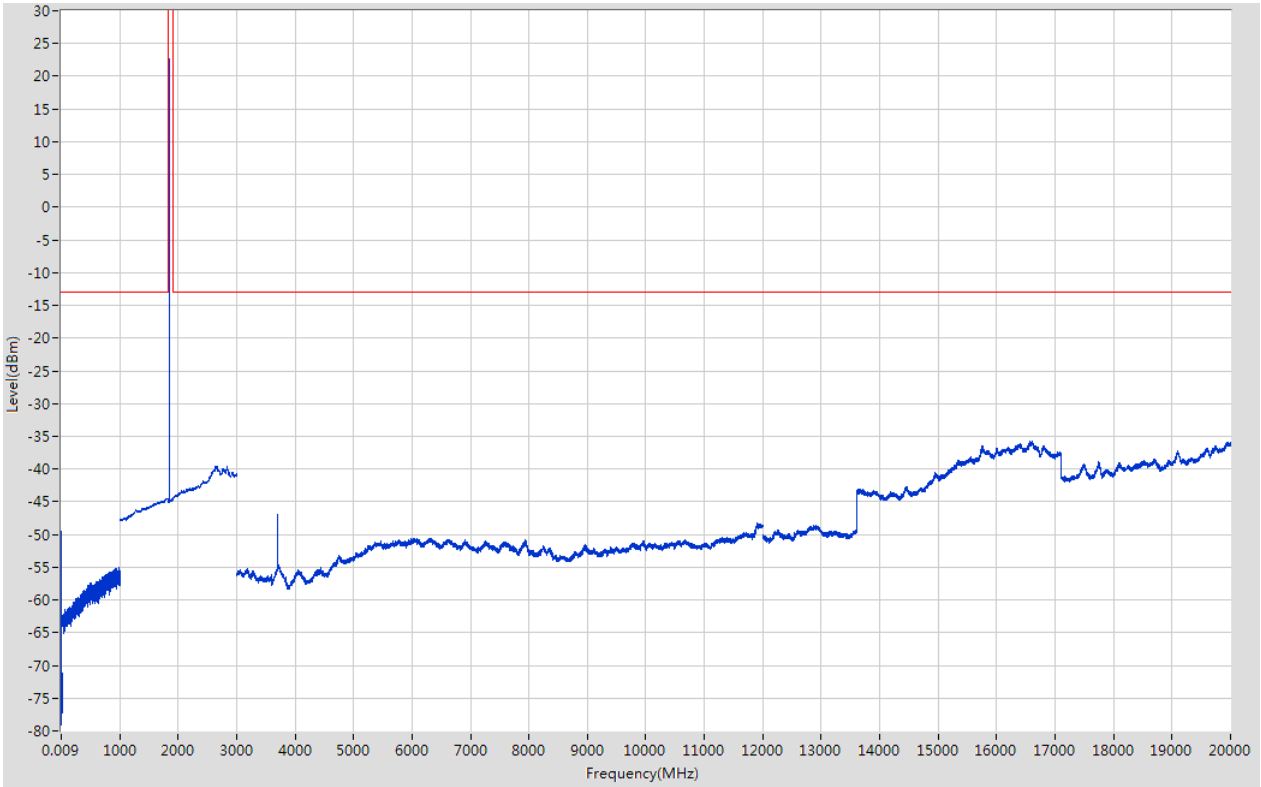
## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.85 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 998.7 | -55.24 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1817.986 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.25 | 22.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3700.078 | -47.88 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16603.575 | -35.66 | -13 | Pass | 8000 |



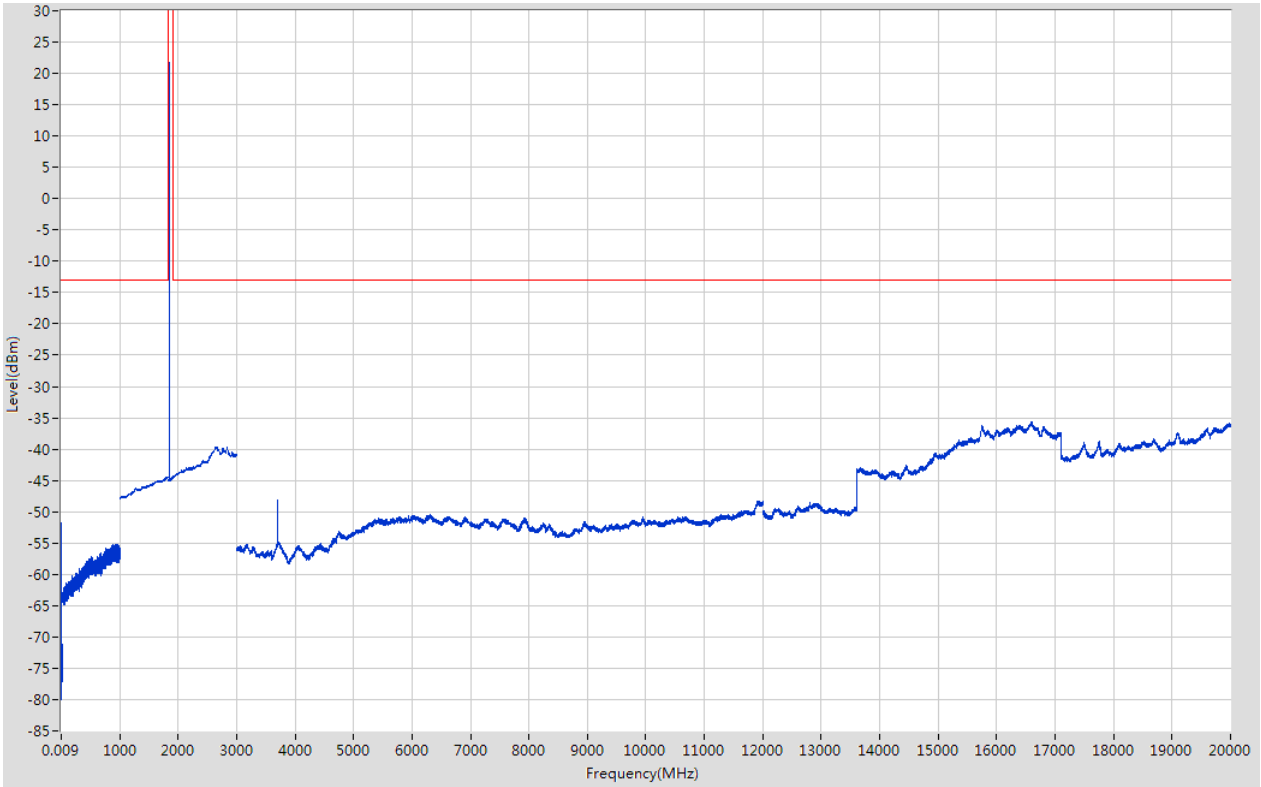
## 1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.95 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -49.5 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 987.699 | -55.02 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1812.979 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1851.15 | 22.64 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2662.688 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3702.078 | -46.95 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16607.576 | -35.69 | -13 | Pass | 8000 |



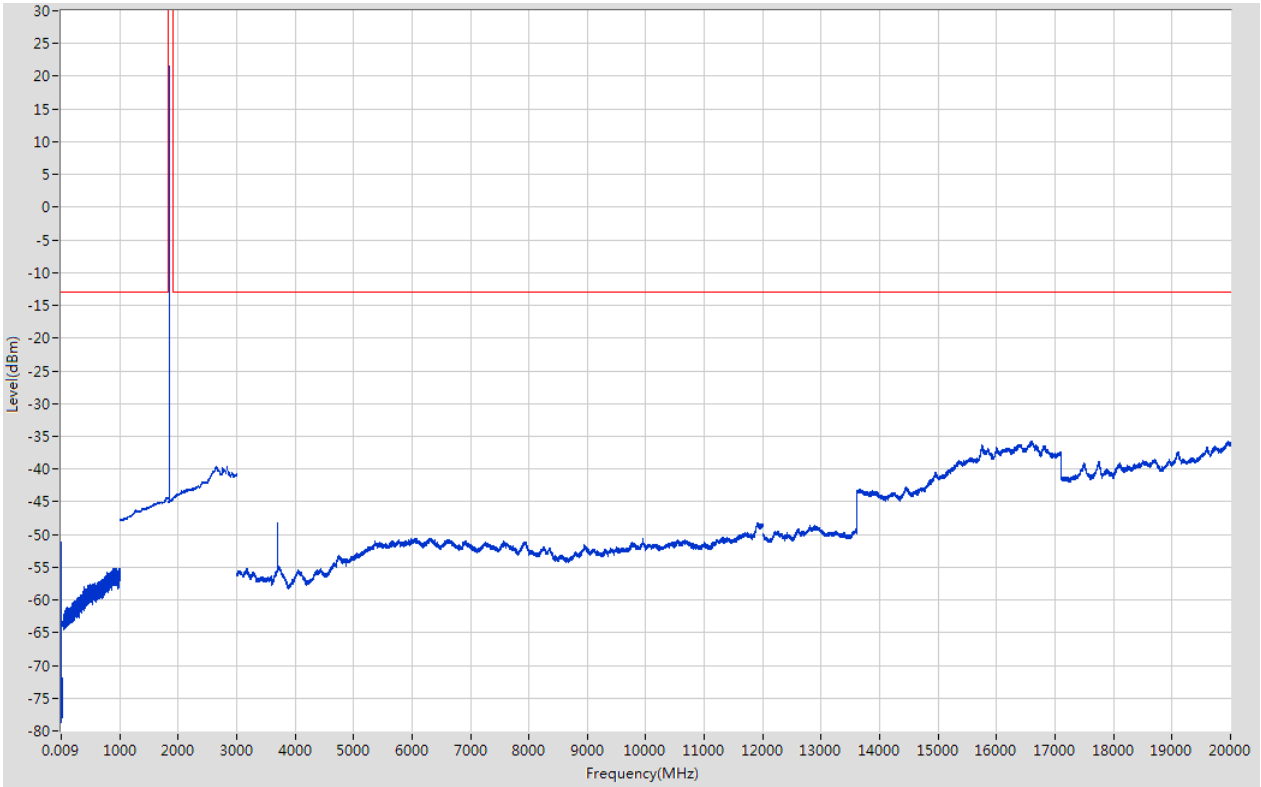
## 1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:18607, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | 0.011 | -53.74 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.85 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 879.888 | -55.21 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1806.972 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.25 | 21.71 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.61 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3700.078 | -48.22 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16592.574 | -35.72 | -13 | Pass | 8000 |



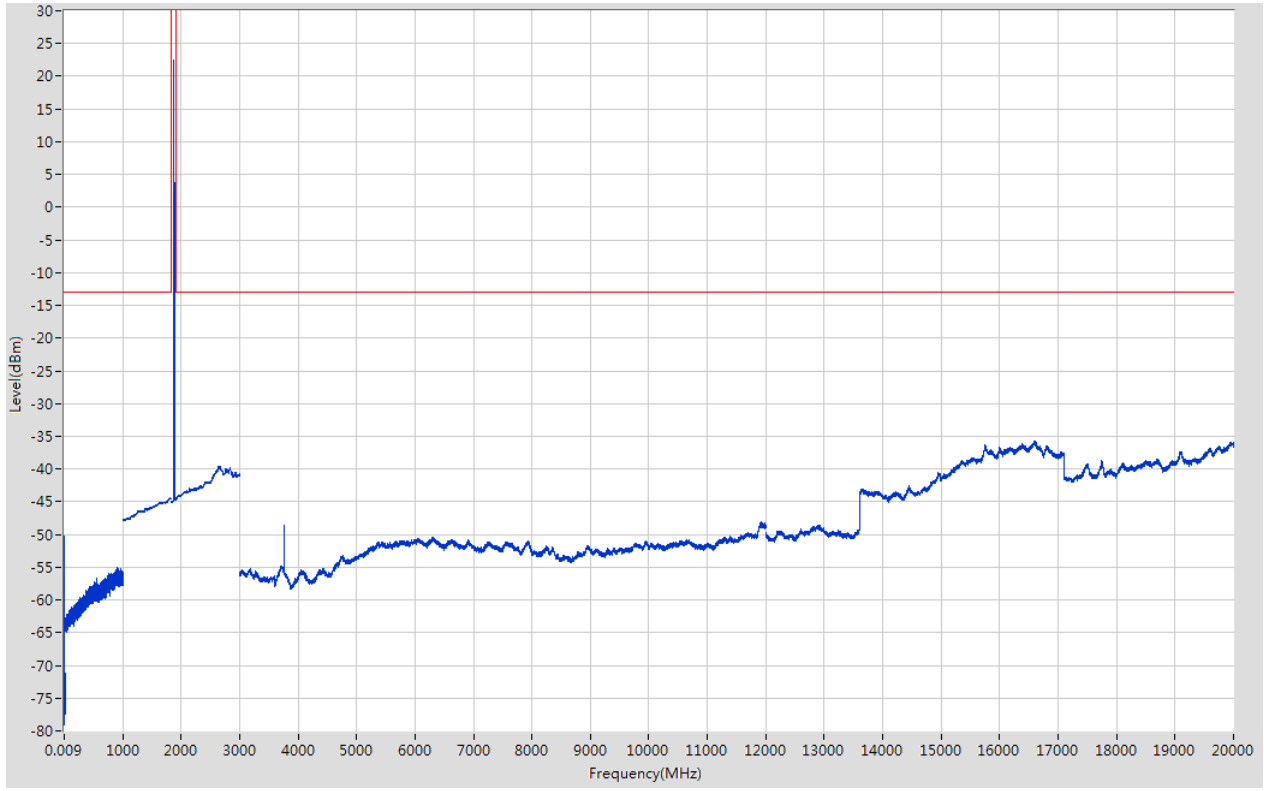
## 1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:18607, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.67 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.22 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 998.7 | -55.13 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1806.972 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1851.15 | 21.64 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2658.684 | -39.62 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11908.99 | -48.2 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16605.576 | -35.74 | -13 | Pass | 8000 |



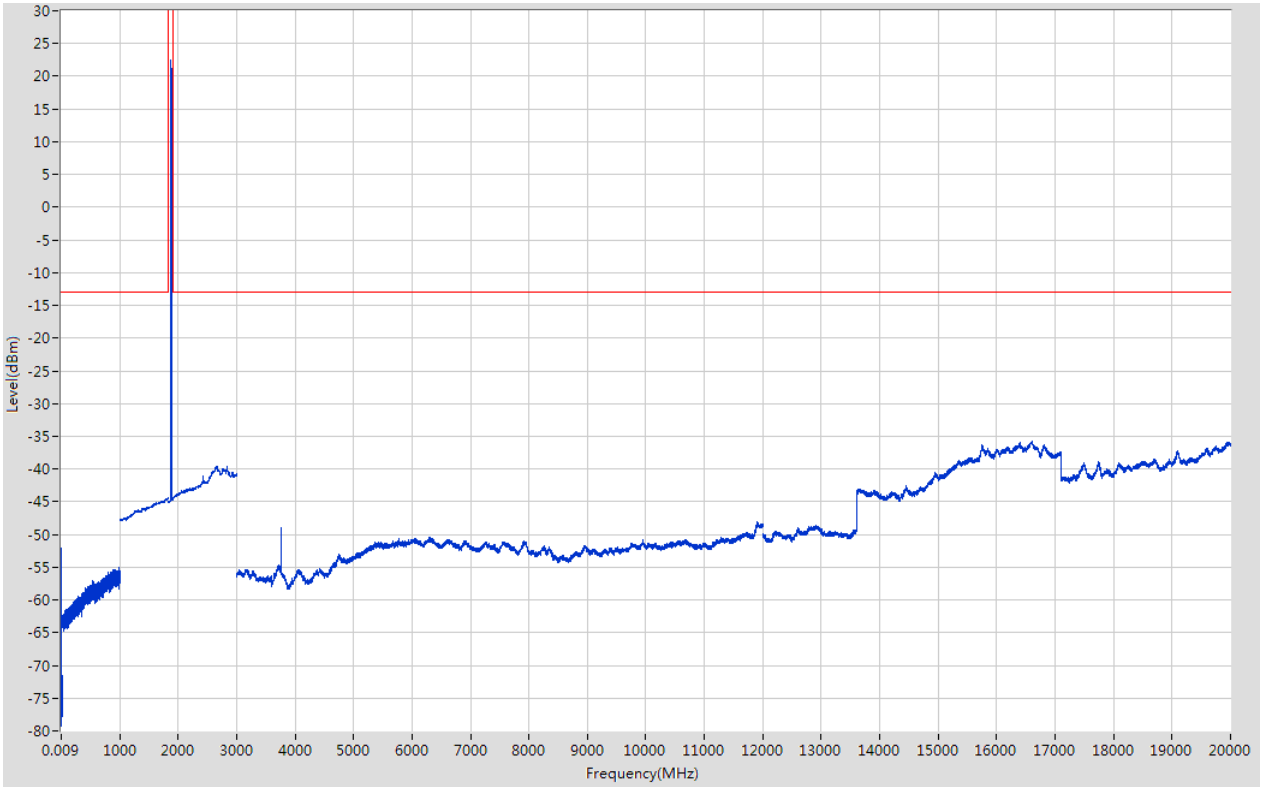
## 1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -53.99 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.23 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 900.19 | -55.12 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1811.978 | -44.43 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1879.5 | 22.51 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2657.683 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11913.99 | -48.14 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16592.574 | -35.73 | -13 | Pass | 8000 |



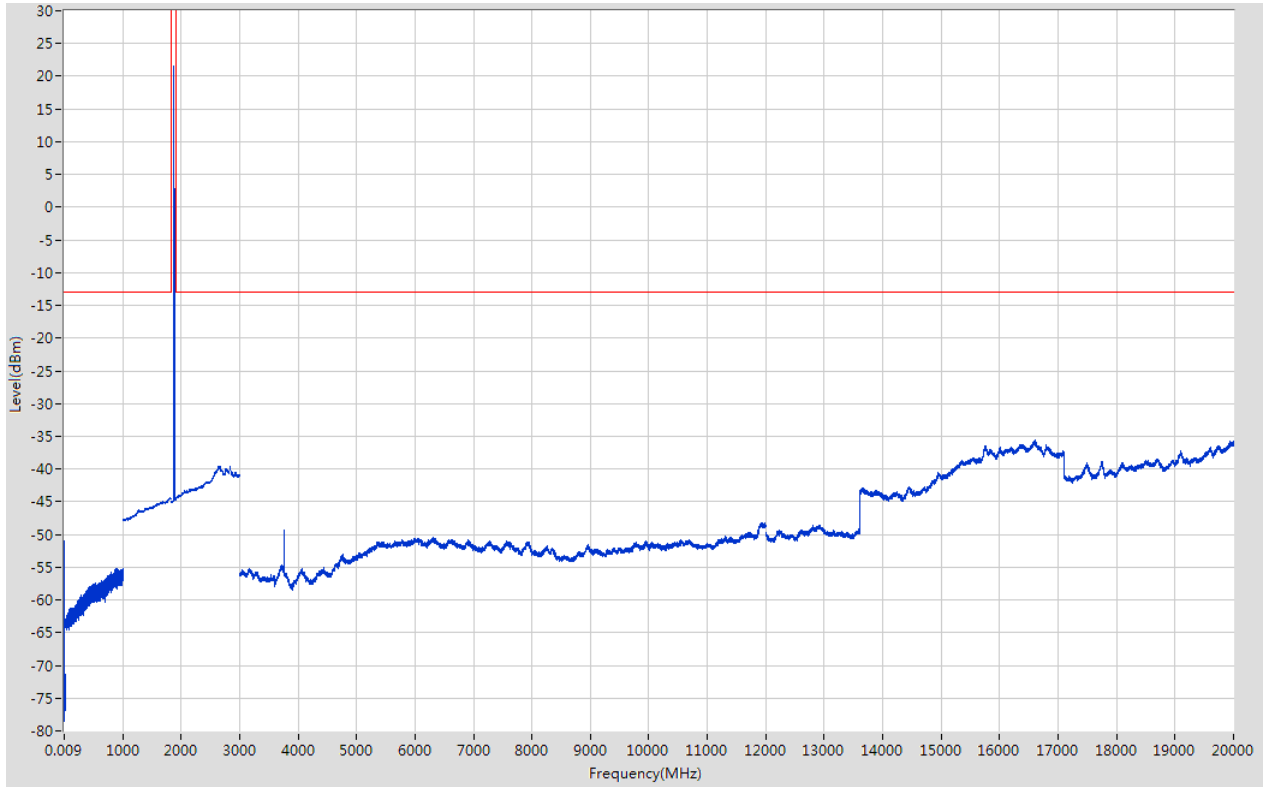
## 1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | 0.16 | -52.28 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 994.499 | -55.11 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1819.988 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1880.4 | 22.55 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11910.99 | -48.07 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16602.575 | -35.74 | -13 | Pass | 8000 |



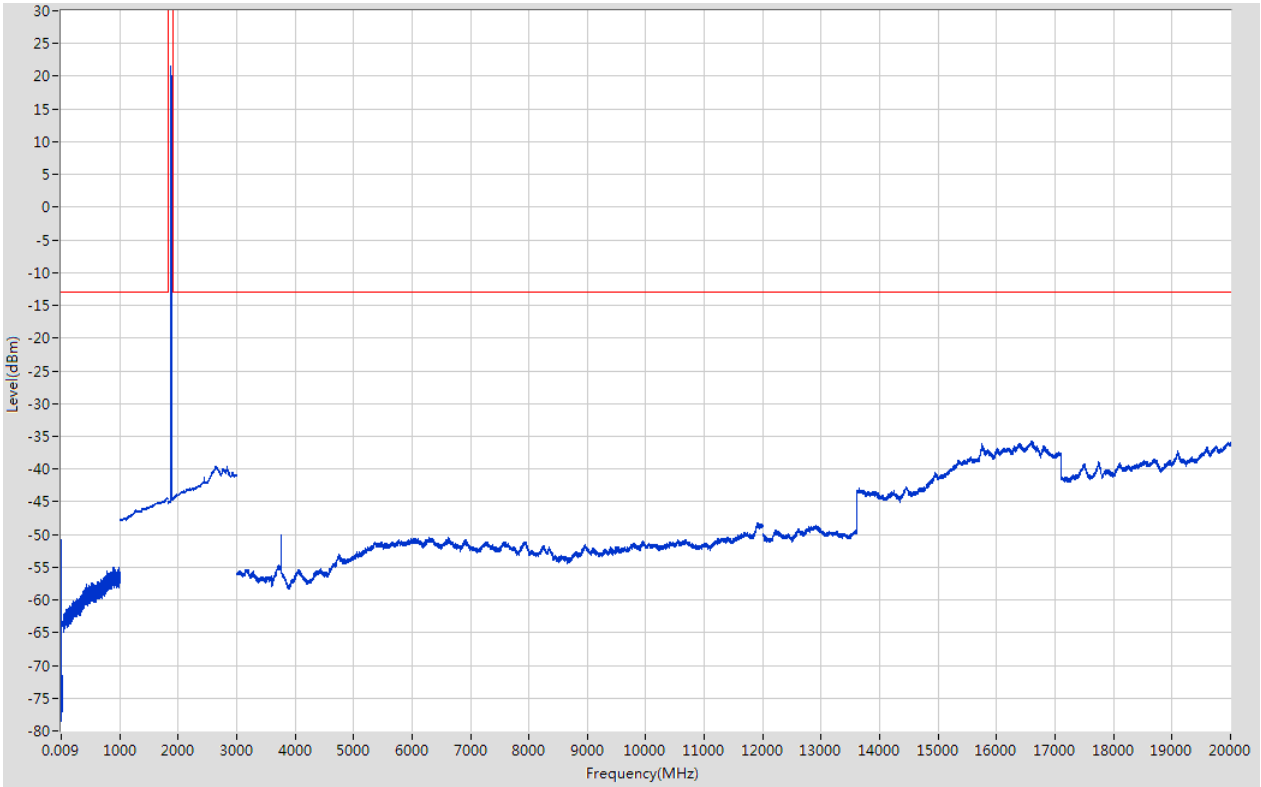
## 1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.37 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.9 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 890.589 | -55.17 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1805.971 | -44.42 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1879.5 | 21.59 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.61 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11920.991 | -48.28 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16602.575 | -35.63 | -13 | Pass | 8000 |



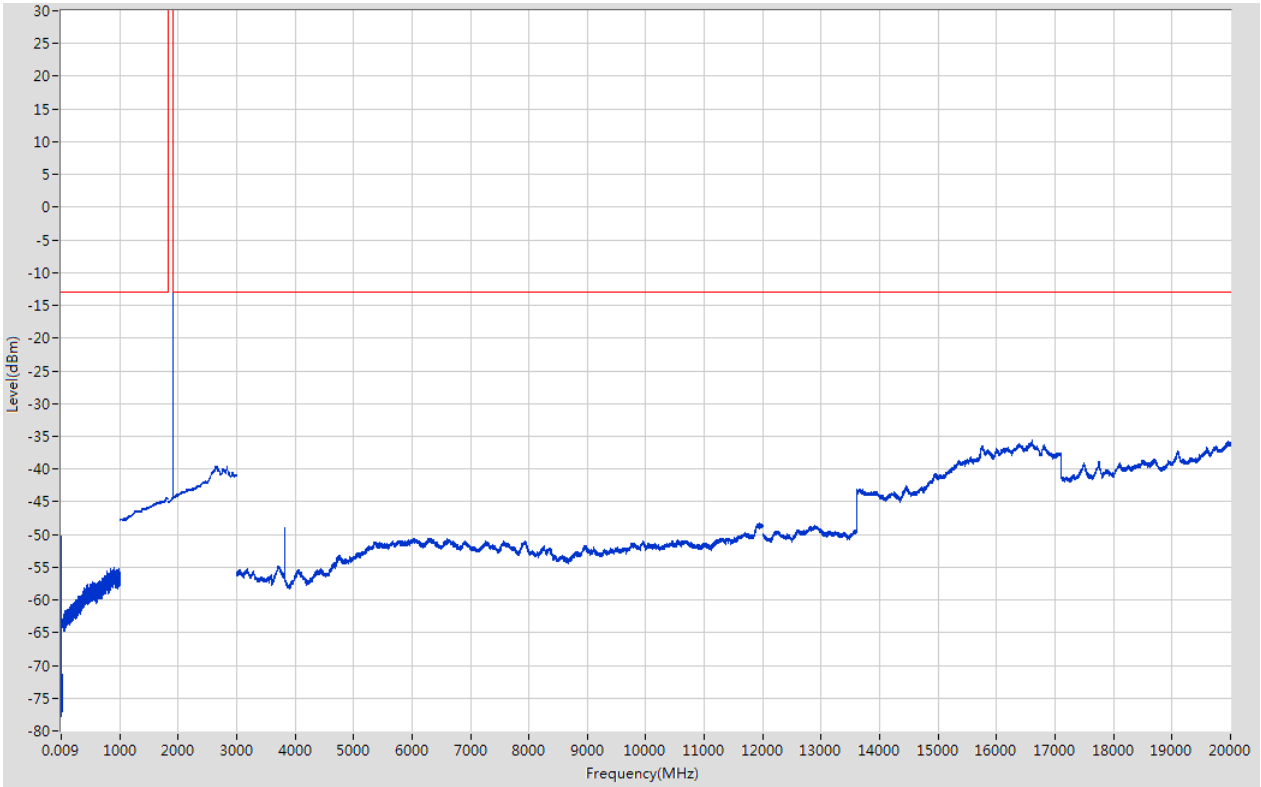
## 1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | 0.012 | -51.73 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -50.81 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 990.399 | -55.03 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1880.4 | 21.55 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11919.991 | -48.21 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16601.575 | -35.72 | -13 | Pass | 8000 |



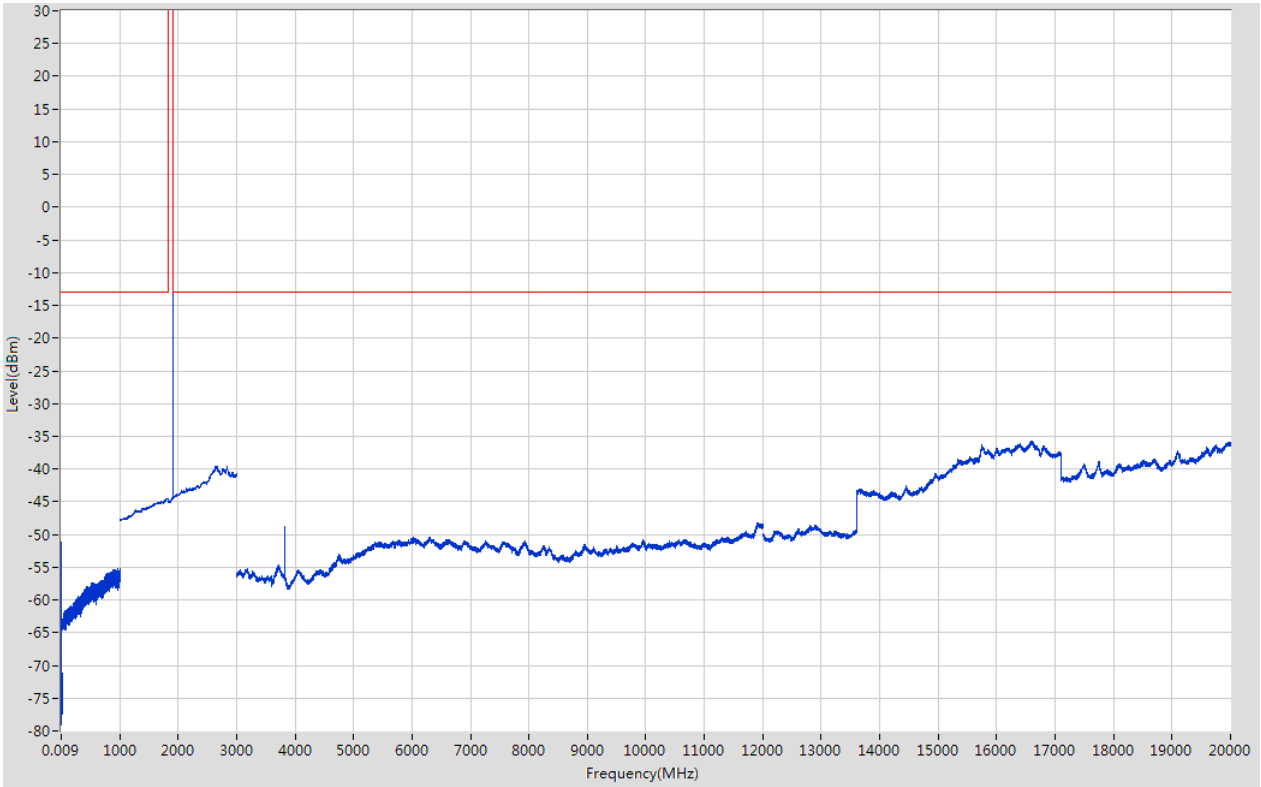
## 1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -53.04 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.21 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 902.79 | -55.02 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1809.976 | -44.41 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1908.9 | 22.53 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11945.994 | -48.25 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.62 | -13 | Pass | 8000 |



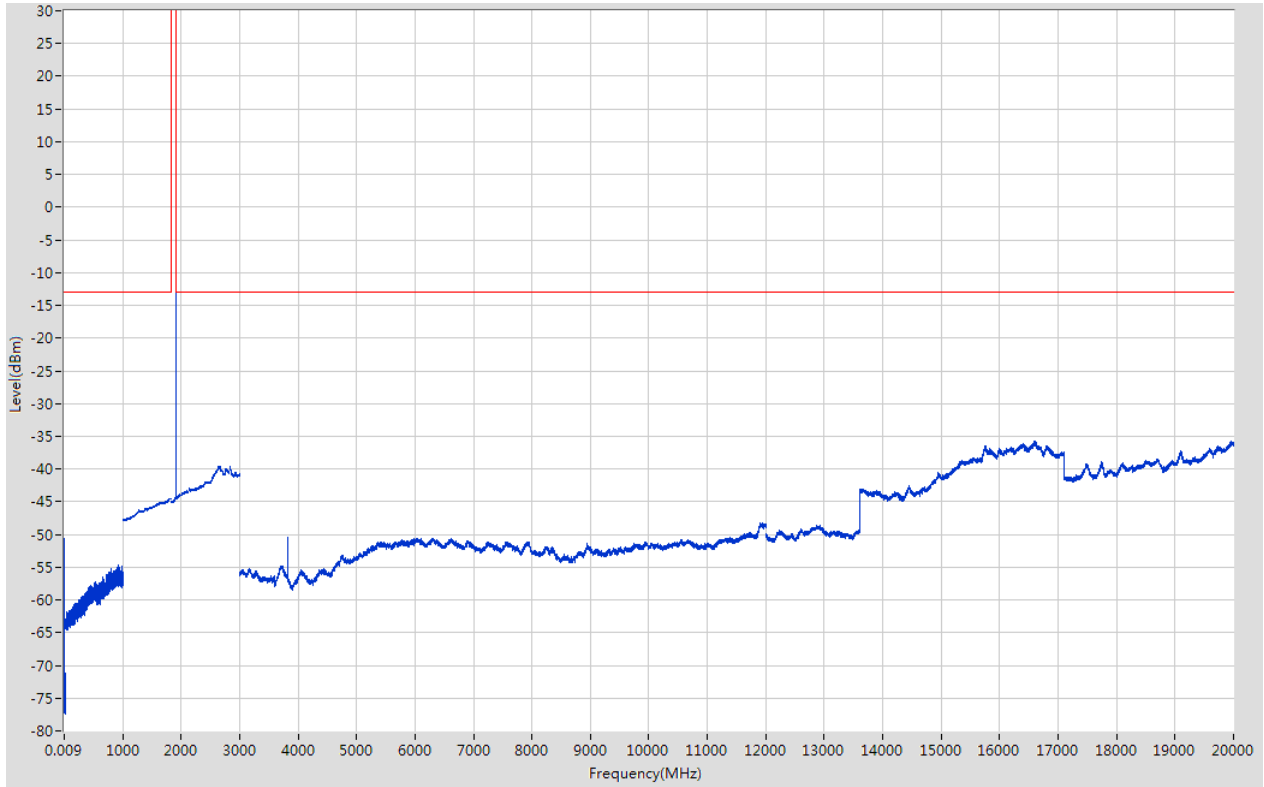
## 1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.63 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.15 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 998.4 | -55.29 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1790.953 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.8 | 22.57 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2658.684 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11911.99 | -48.18 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16583.573 | -35.69 | -13 | Pass | 8000 |



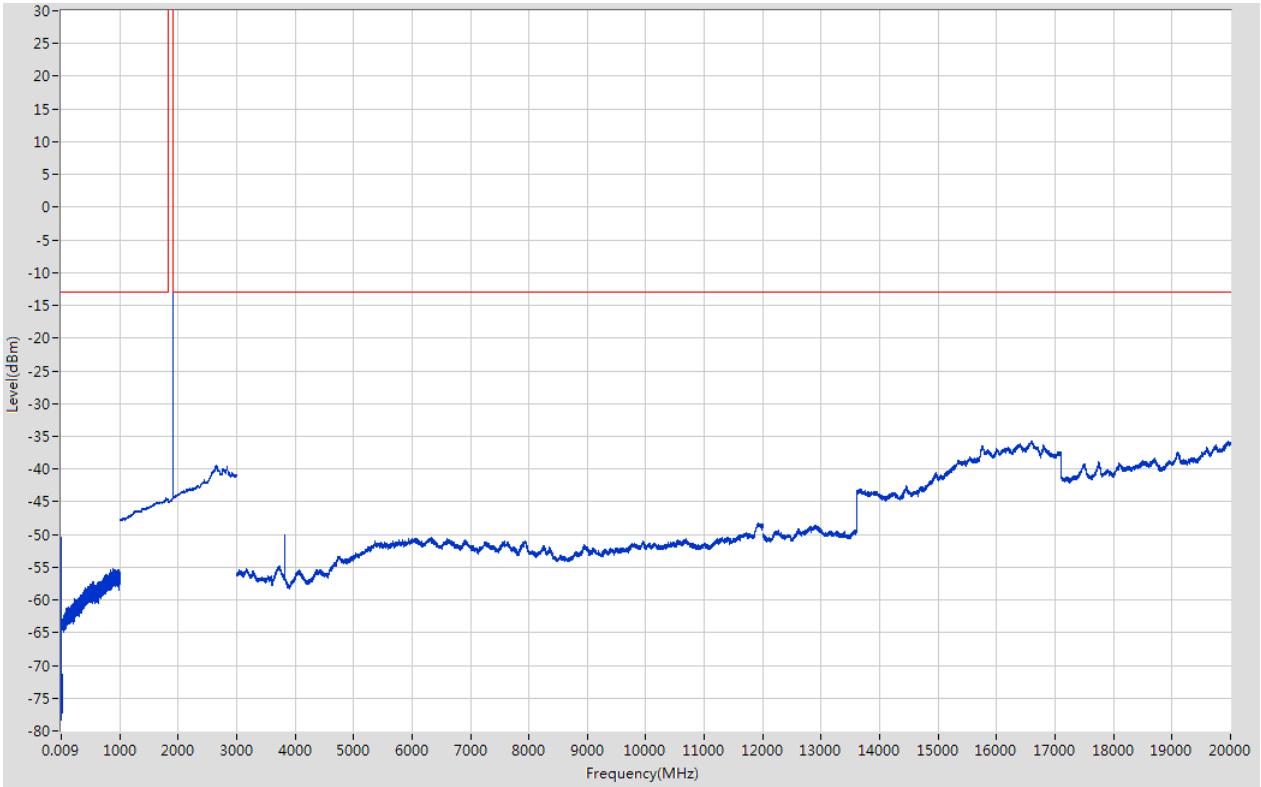
## 1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:19193, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -51.81 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.61 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 933.993 | -54.59 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1908.9 | 21.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2656.682 | -39.61 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11903.989 | -48.18 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16589.574 | -35.71 | -13 | Pass | 8000 |



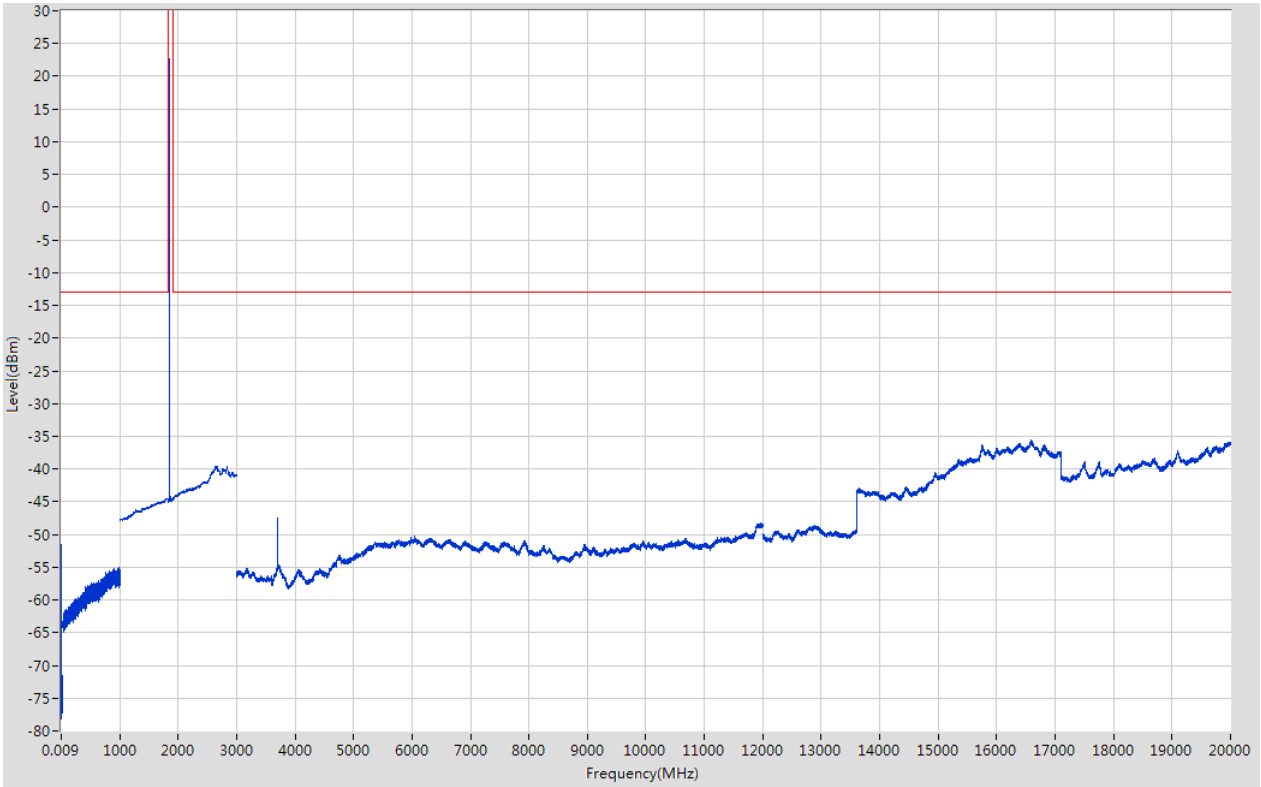
## 1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:19193, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.62 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.41 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 892.189 | -55.18 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1788.951 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.8 | 21.65 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.47 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11916.991 | -48.22 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16608.576 | -35.68 | -13 | Pass | 8000 |



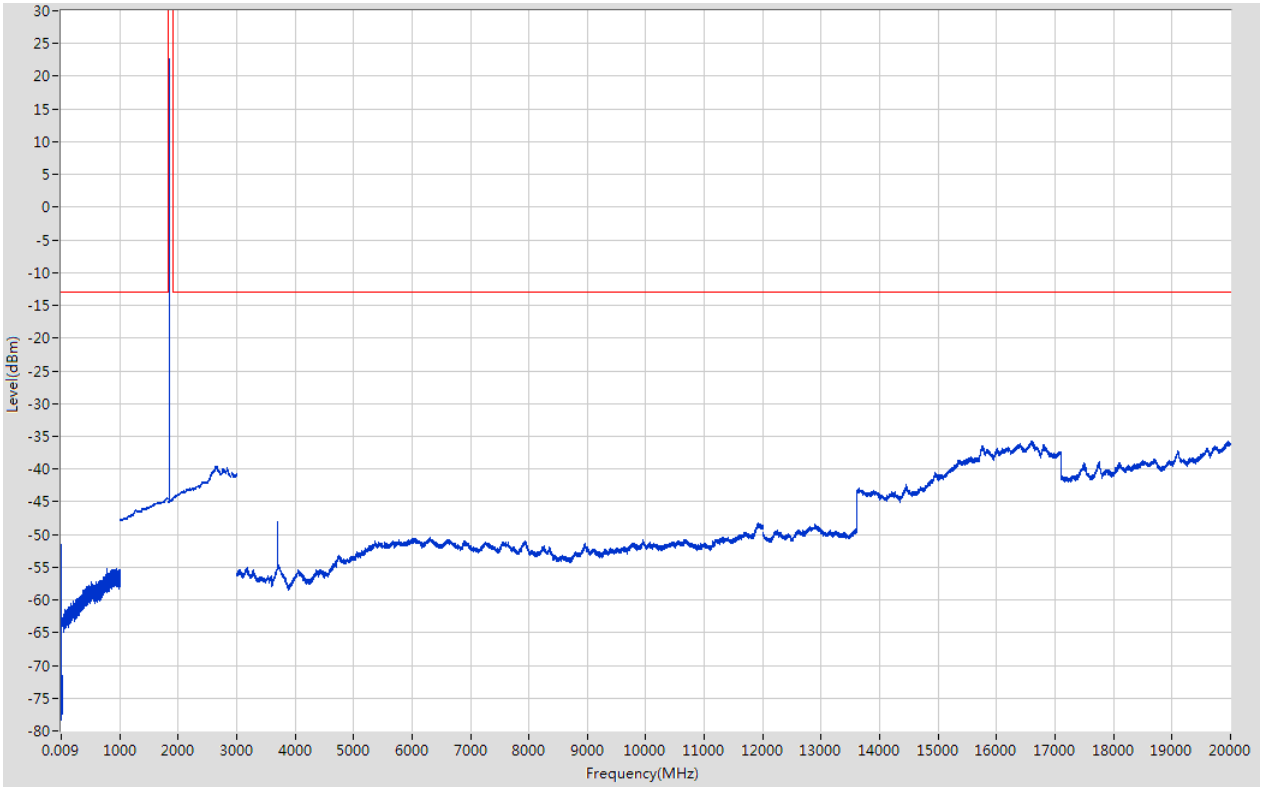
## 1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52.63 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.62 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 992.799 | -55.04 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1827.998 | -44.48 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.25 | 22.72 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2662.688 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3700.078 | -47.45 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16579.572 | -35.62 | -13 | Pass | 8000 |



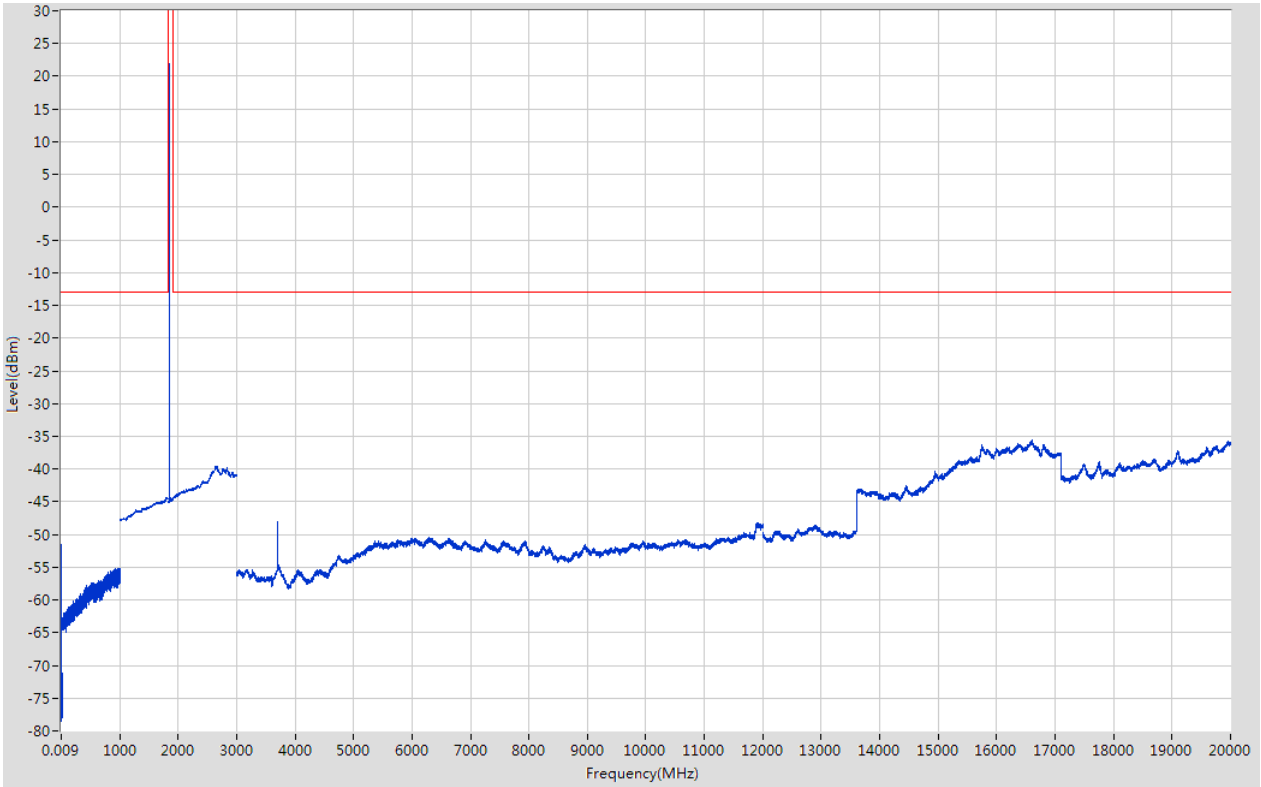
## 1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -51.91 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.6 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 776.177 | -55.27 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1852.8 | 22.61 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3705.078 | -48.05 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16589.574 | -35.75 | -13 | Pass | 8000 |



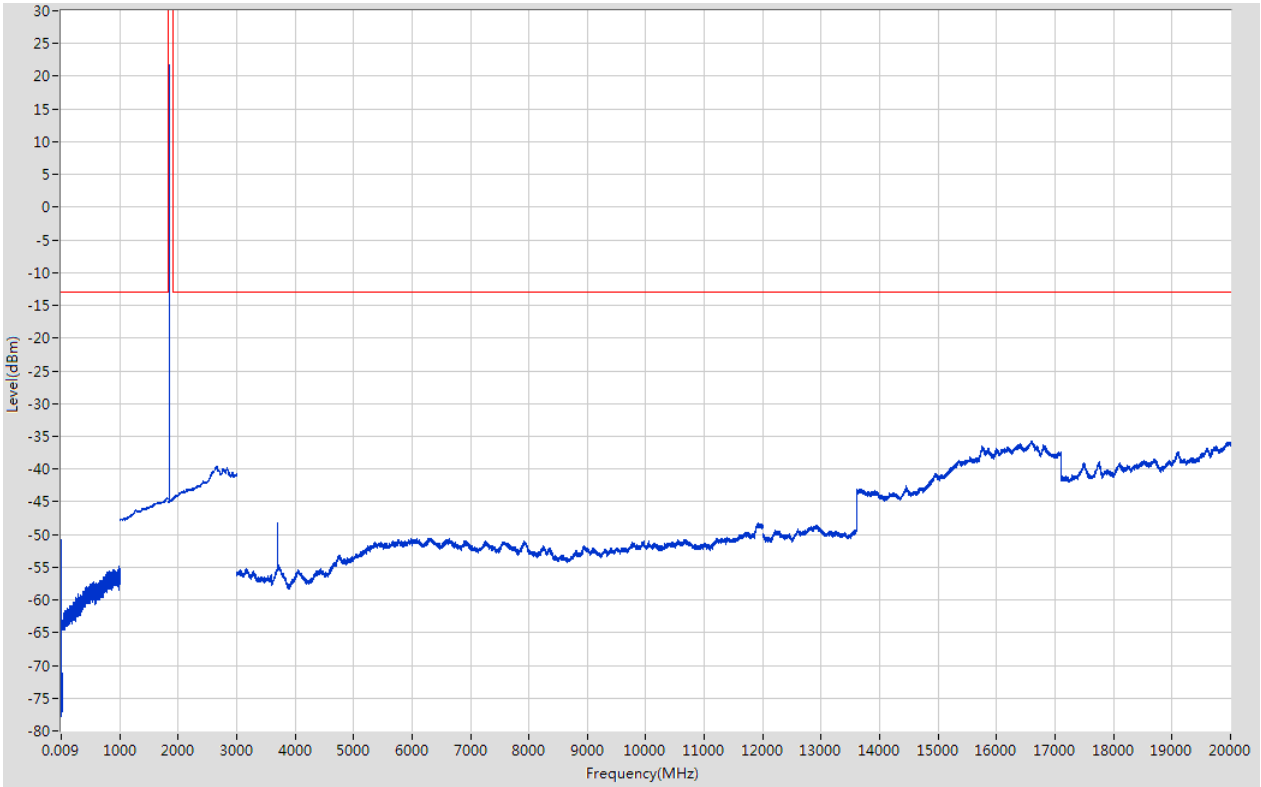
## 1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:18615, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.45 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 988.599 | -55.13 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1815.983 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.25 | 21.89 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3700.078 | -48.06 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16604.576 | -35.62 | -13 | Pass | 8000 |



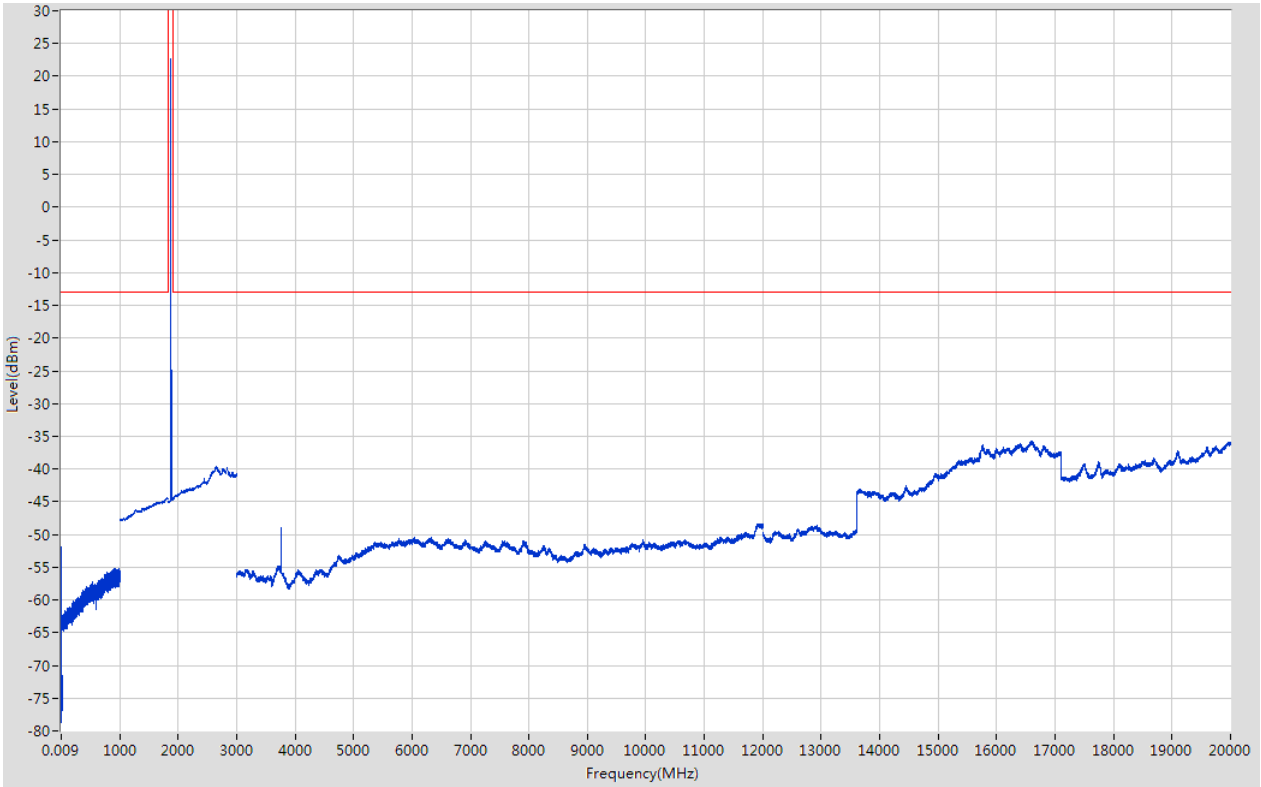
## 1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:18615, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.74 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.89 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 995.8 | -54.9 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.42 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1852.8 | 21.79 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3705.078 | -48.17 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16600.575 | -35.68 | -13 | Pass | 8000 |



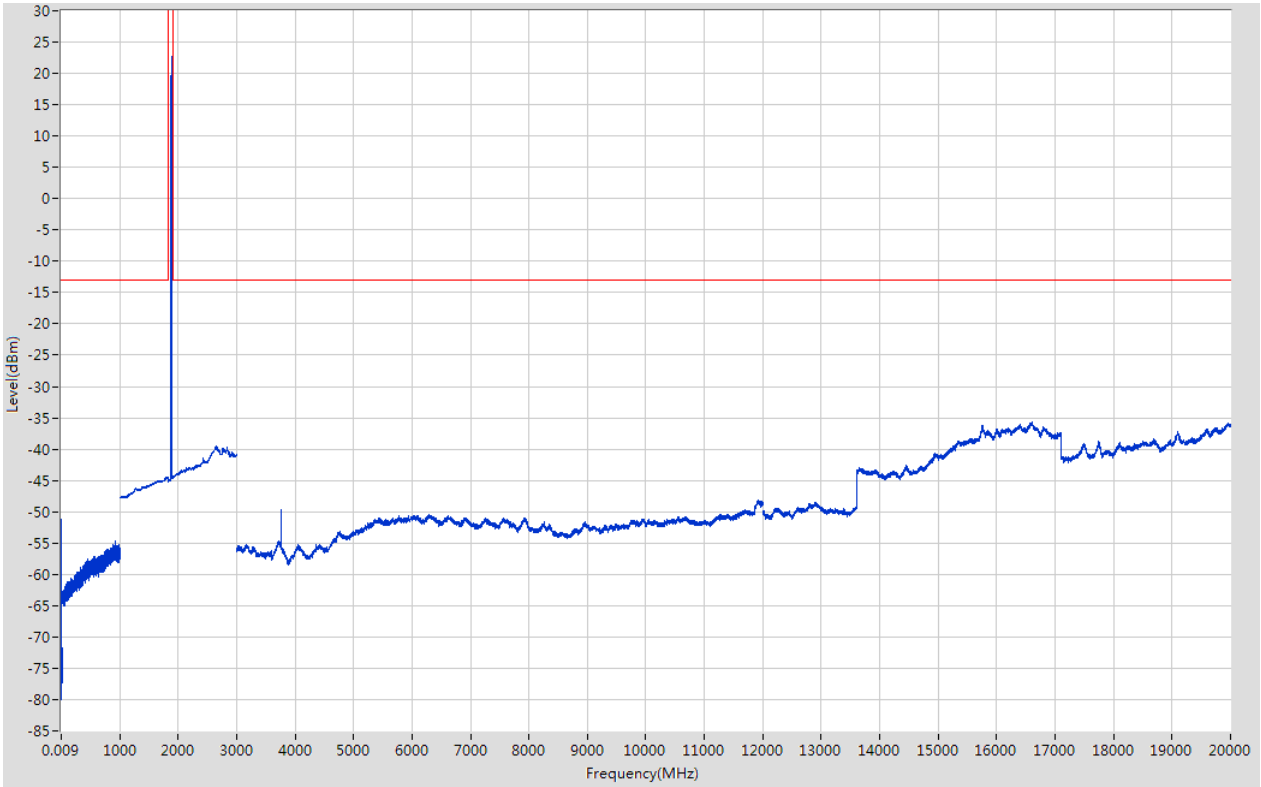
## 1.17. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | 0.011 | -52.94 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.99 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 922.892 | -55.21 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1806.972 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1878.75 | 22.65 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2656.682 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11909.99 | -48.34 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16598.575 | -35.67 | -13 | Pass | 8000 |



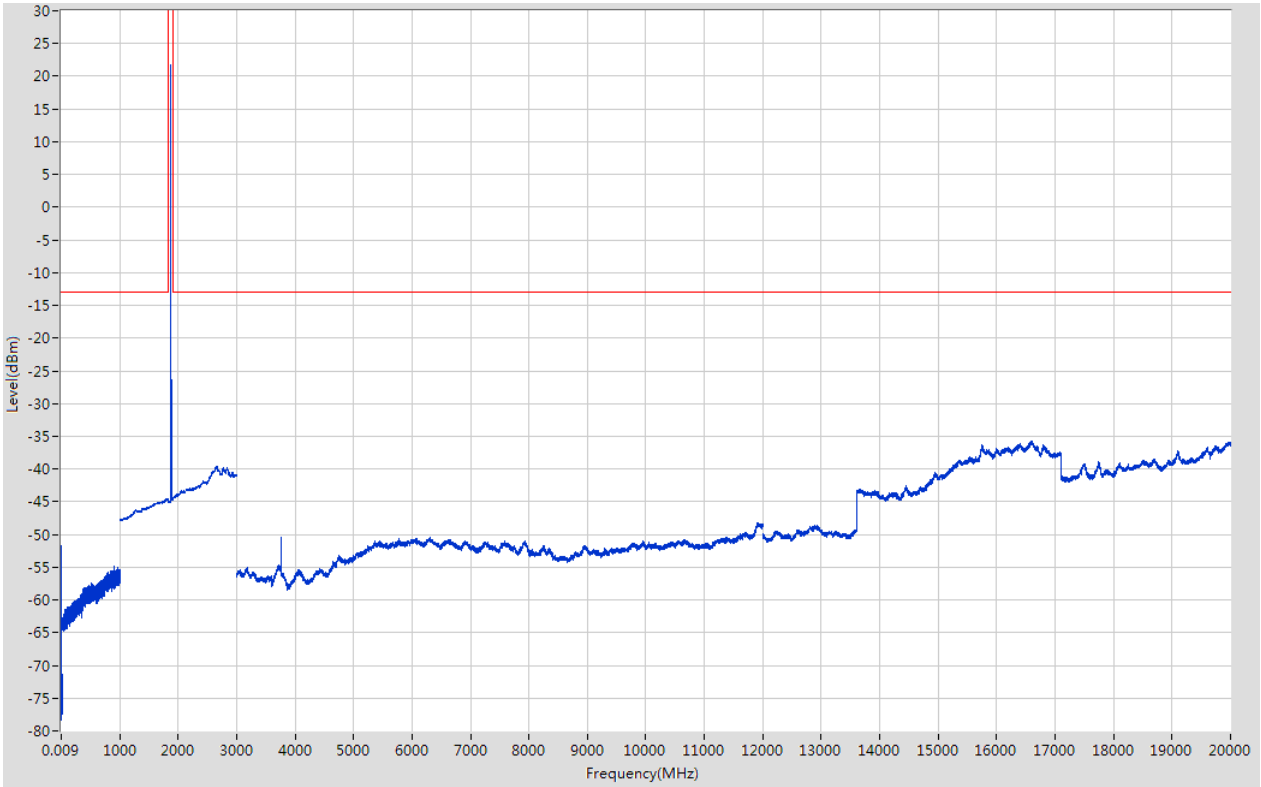
## 1.18. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | 0.012 | -53.07 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.15 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 929.293 | -54.62 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.4 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1881.3 | 22.64 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11918.991 | -48.19 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16606.576 | -35.62 | -13 | Pass | 8000 |



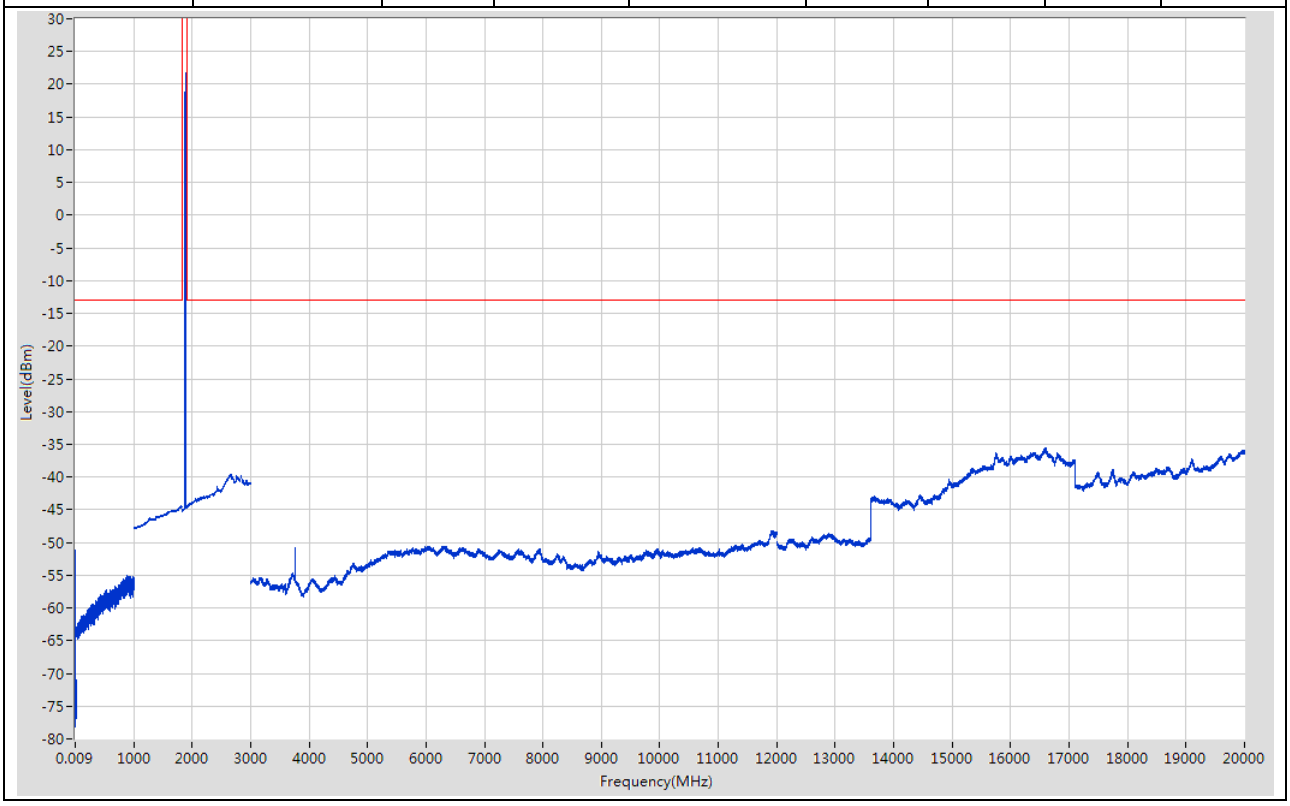
## 1.19. LTE Transmitter Spurious Emissions(NTNV)(Subtest:19, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | 0.013 | -53.49 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.77 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 901.19 | -54.84 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1812.979 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1878.75 | 21.68 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2658.684 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11908.99 | -48.22 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16600.575 | -35.69 | -13 | Pass | 8000 |



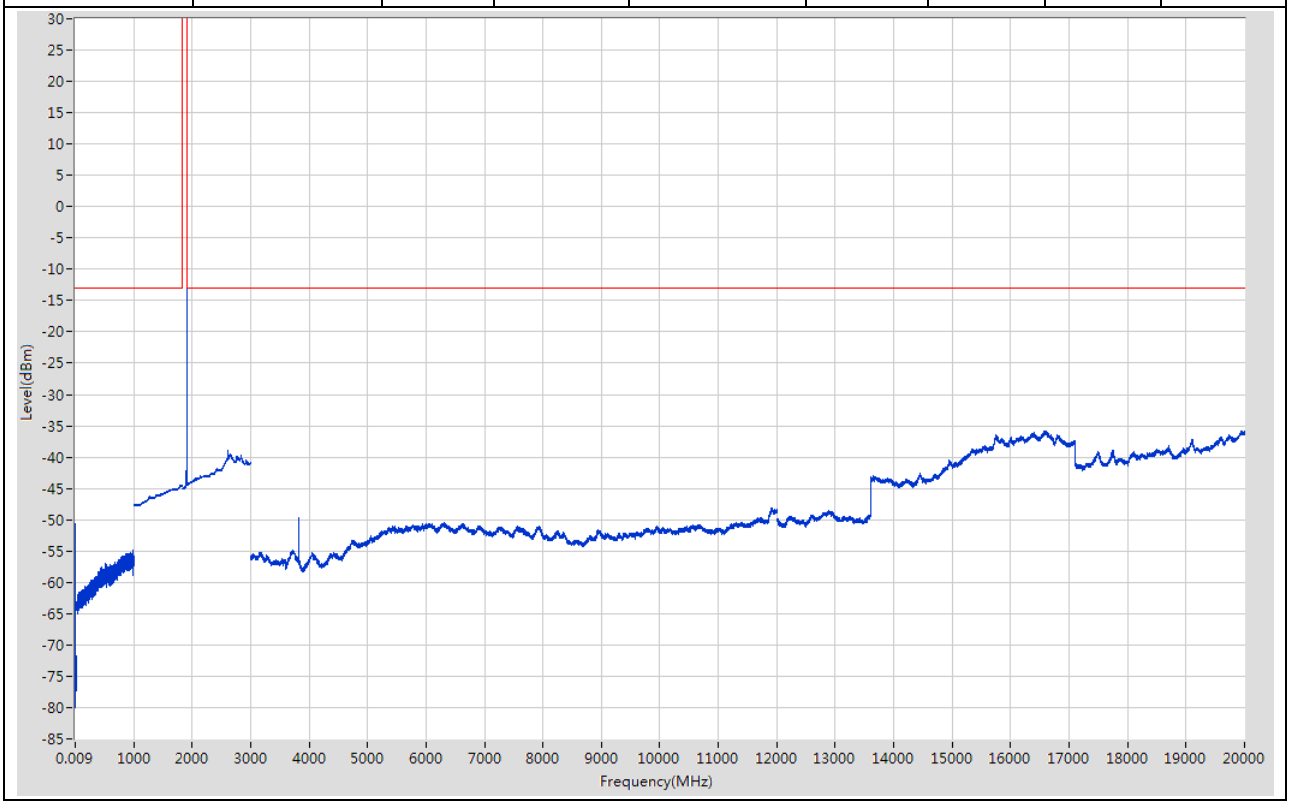
## 1.20. LTE Transmitter Spurious Emissions(NTNV)(Subtest:20, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.03 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.17 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 876.987 | -55.06 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1815.983 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1881.3 | 21.71 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2655.681 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11912.99 | -48.18 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16596.575 | -35.55 | -13 | Pass | 8000 |



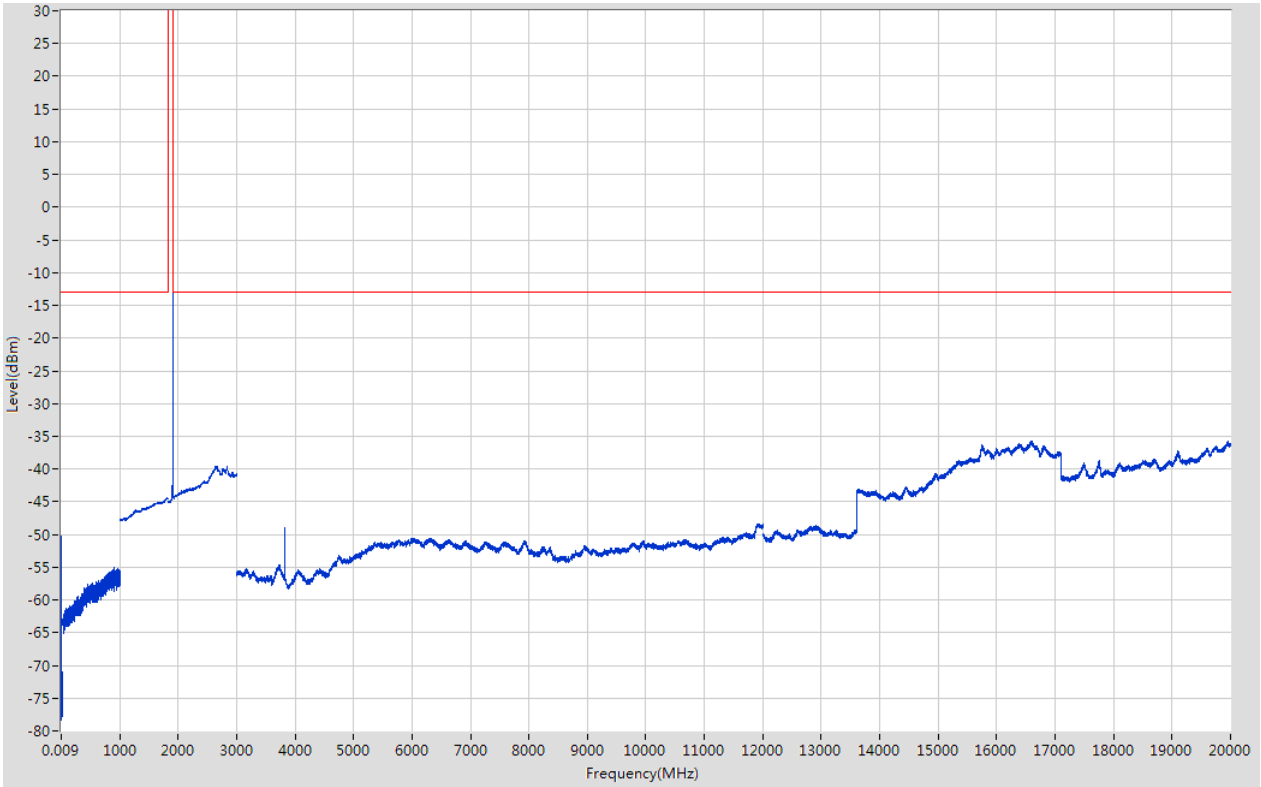
## 1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:21, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52.91 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -50.64 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 987.999 | -54.89 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1809.976 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1907.25 | 22.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2612.641 | -38.84 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11911.99 | -48.21 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16609.576 | -35.8 | -13 | Pass | 8000 |



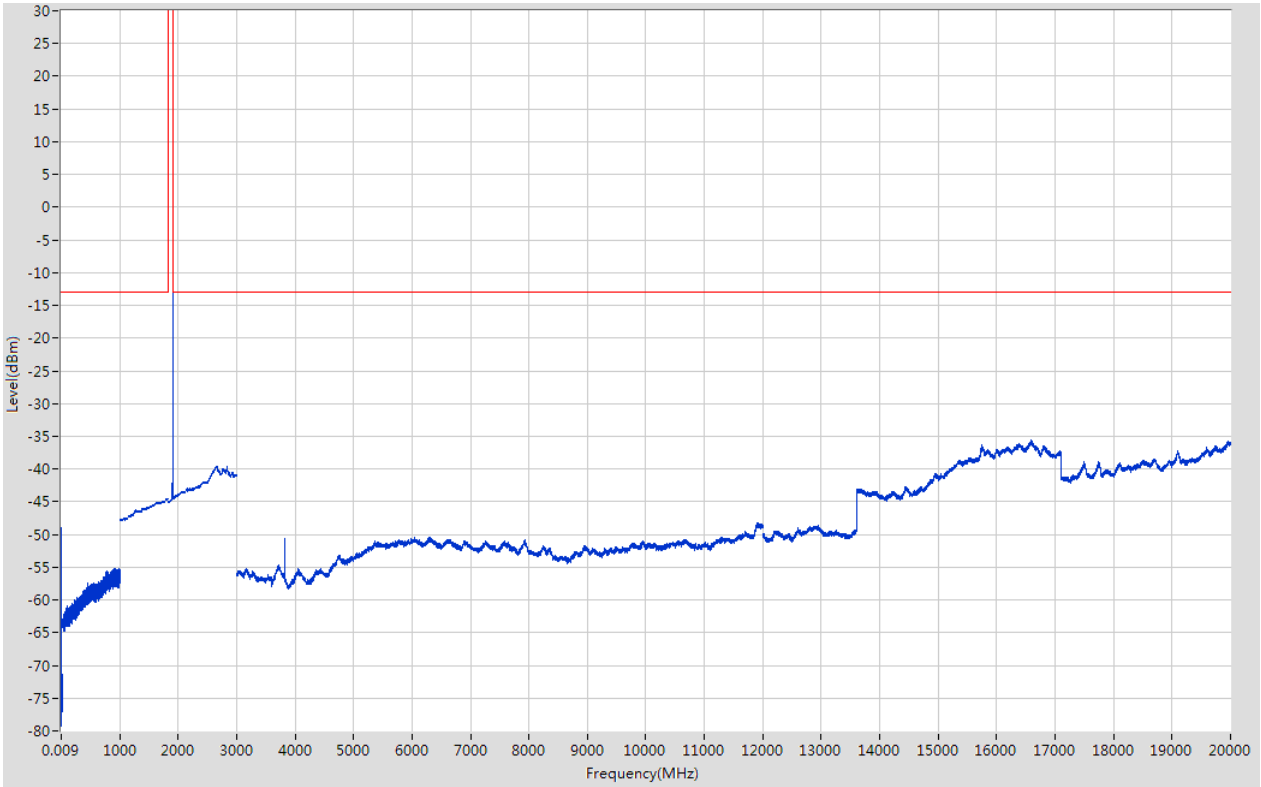
## 1.22. LTE Transmitter Spurious Emissions(NTNV)(Subtest:22, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.41 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.29 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 908.191 | -55.03 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.8 | 22.61 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2654.68 | -39.63 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11919.991 | -48.32 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16595.574 | -35.77 | -13 | Pass | 8000 |



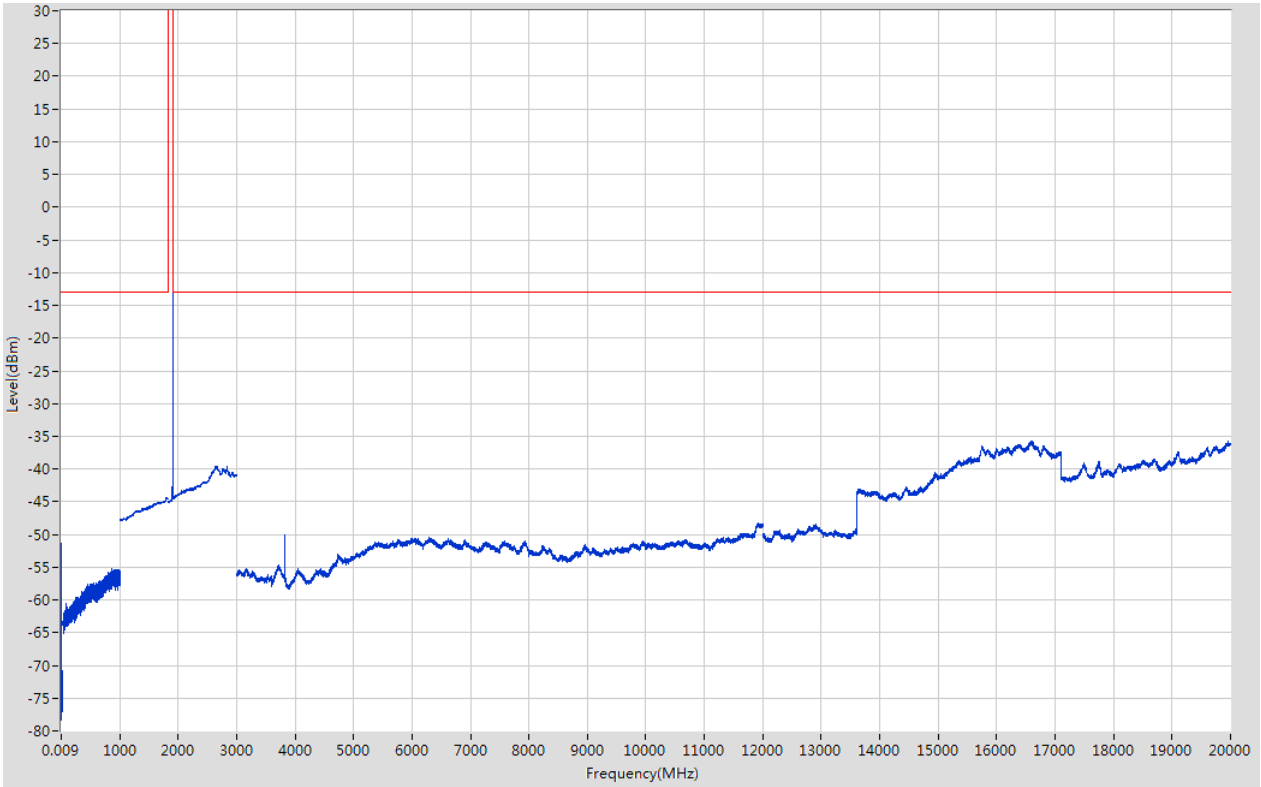
## 1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:23, Channel:19185, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.65 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -49.04 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 901.59 | -55.21 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1813.981 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1907.25 | 21.77 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.52 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11923.992 | -48.27 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16594.574 | -35.63 | -13 | Pass | 8000 |



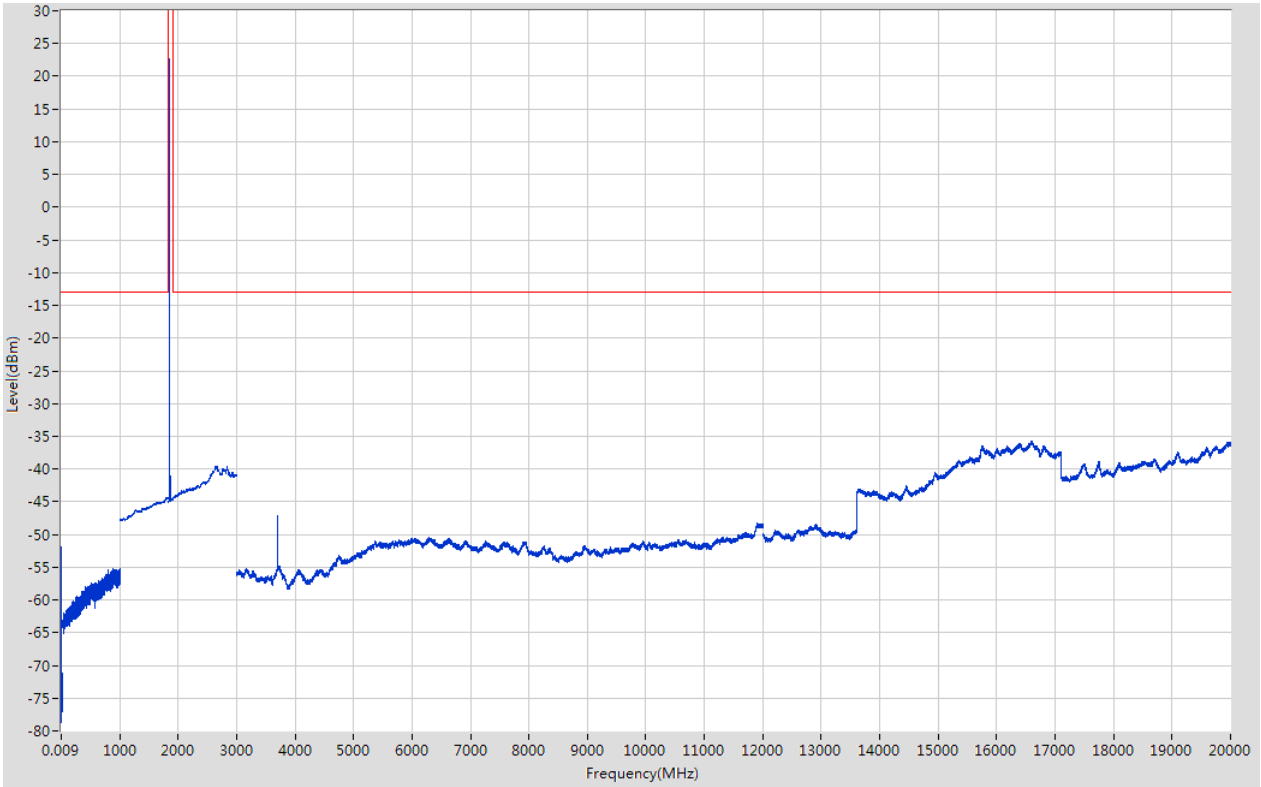
## 1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:19185, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.49 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.31 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 858.385 | -55.26 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1790.953 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.8 | 21.71 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11918.991 | -48.27 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16588.574 | -35.69 | -13 | Pass | 8000 |



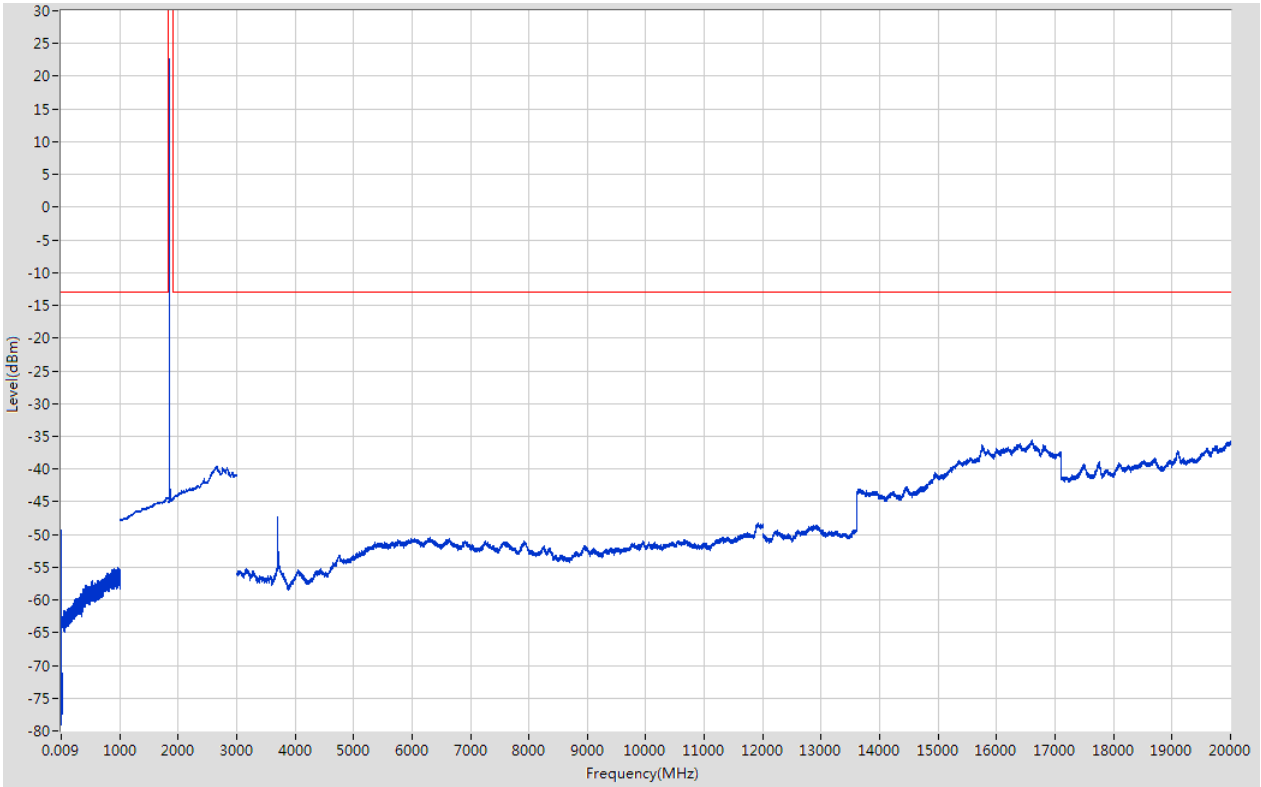
## 1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52.29 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.17 | -51.96 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 997.6 | -55.23 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1794.958 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.4 | 22.64 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3701.078 | -47.16 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16590.574 | -35.77 | -13 | Pass | 8000 |



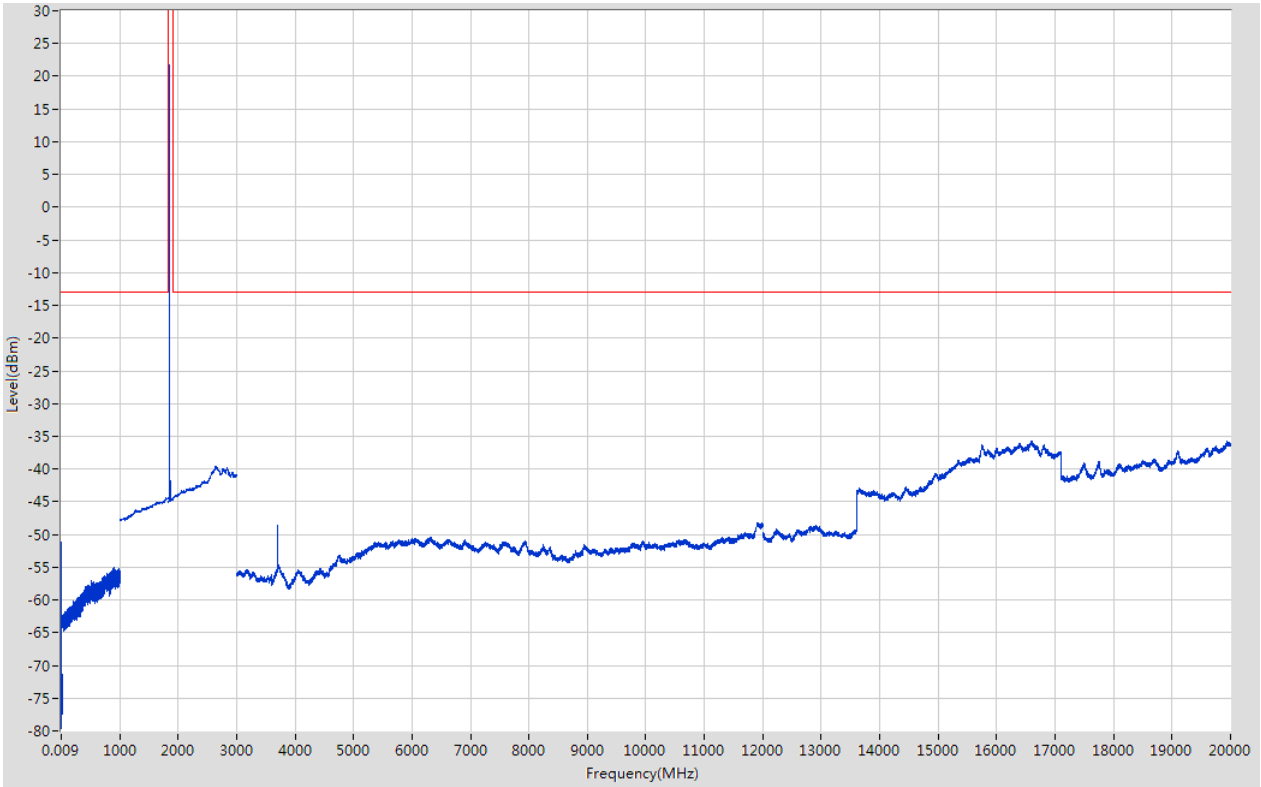
## 1.26. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -53.33 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -49.4 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 966.897 | -54.93 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1854.6 | 22.57 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.55 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3709.079 | -47.26 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.65 | -13 | Pass | 8000 |



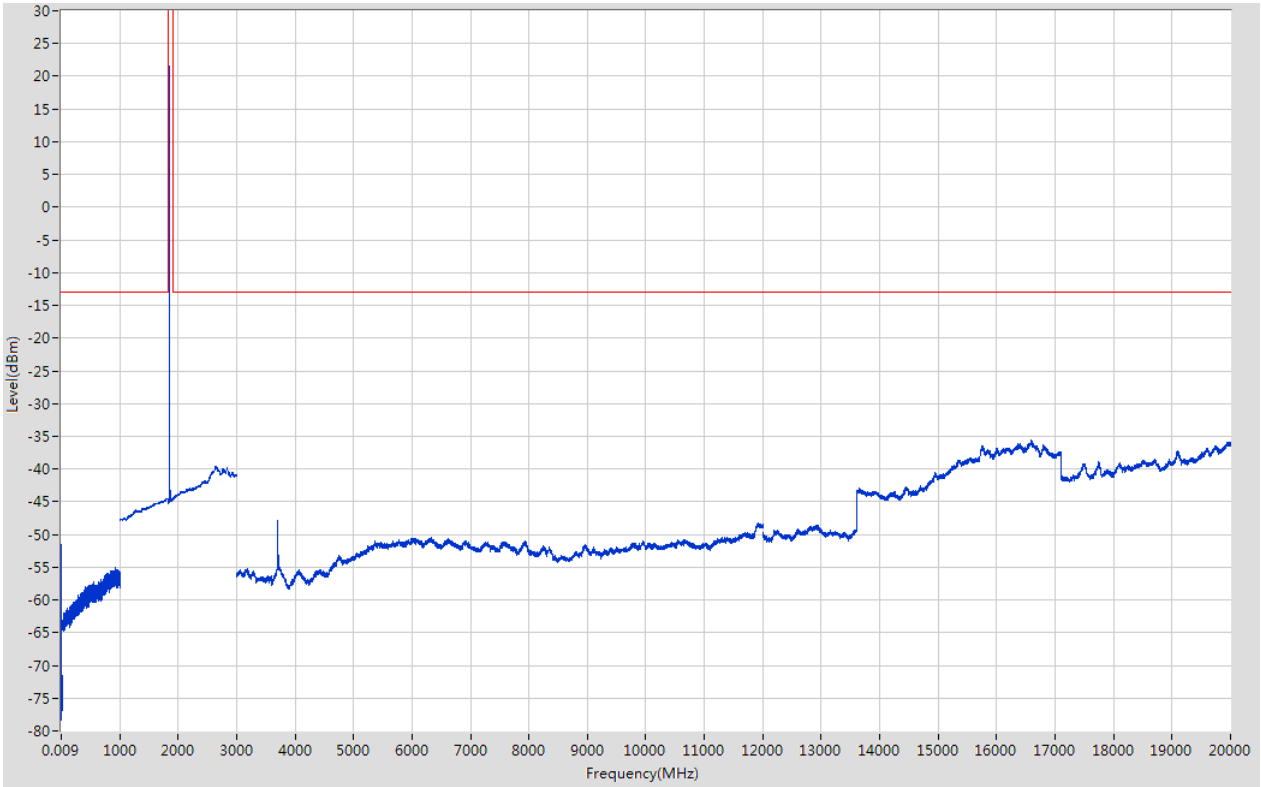
## 1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:18625, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.37 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.14 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 901.29 | -55.02 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1826.996 | -44.43 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.4 | 21.71 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11907.99 | -48.2 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16593.574 | -35.68 | -13 | Pass | 8000 |



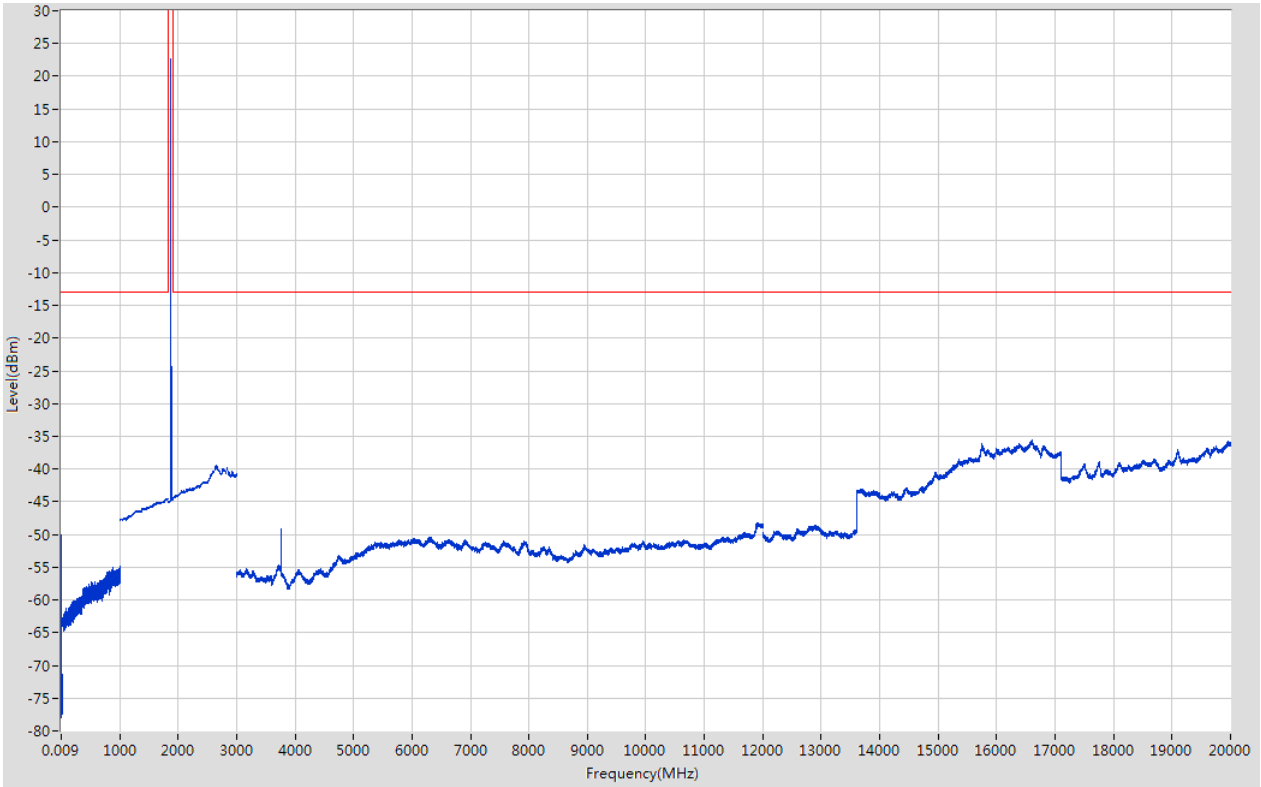
## 1.28. LTE Transmitter Spurious Emissions(NTNV)(Subtest:28, Channel:18625, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -53.13 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.61 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 921.392 | -55.06 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1798.963 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1854.75 | 21.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.54 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3709.079 | -47.85 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16594.574 | -35.54 | -13 | Pass | 8000 |



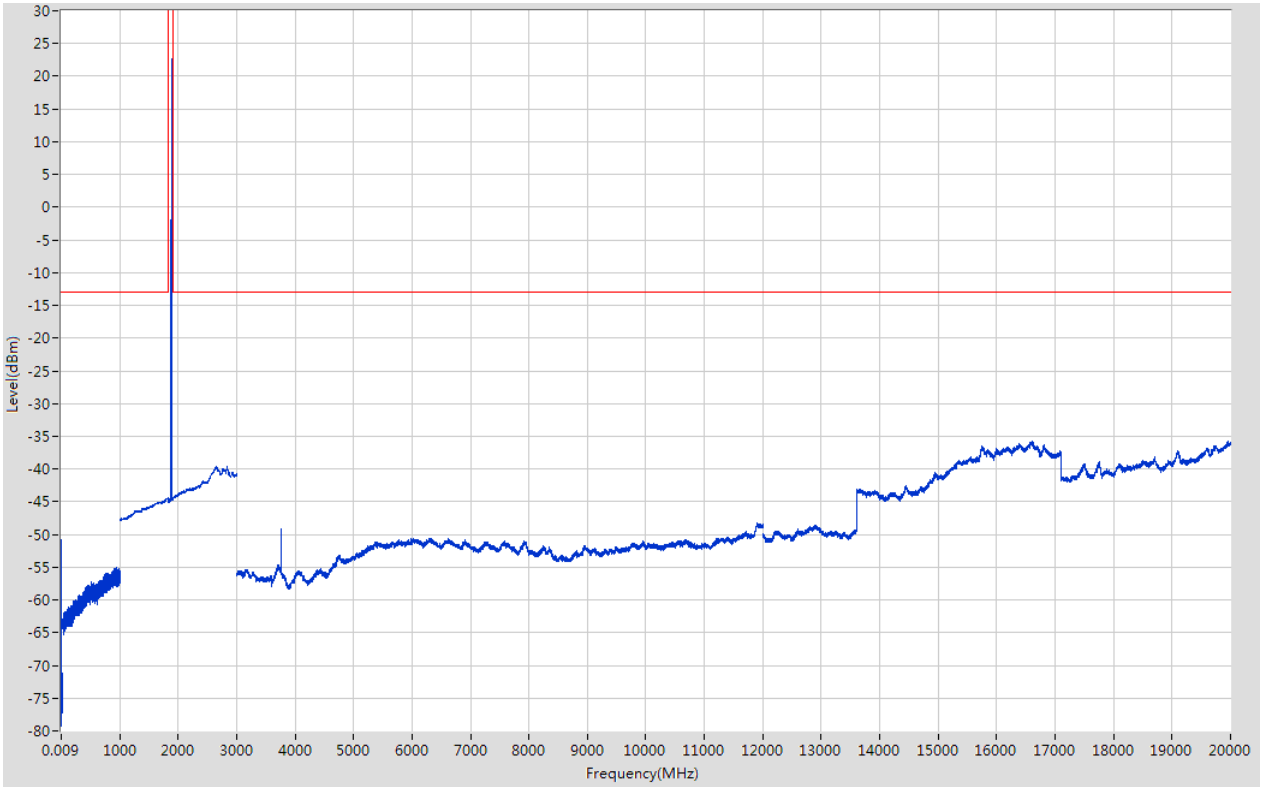
## 1.29. LTE Transmitter Spurious Emissions(NTNV)(Subtest:29, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -50.62 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.15 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 1000 | -54.92 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1788.951 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1877.85 | 22.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.49 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11916.991 | -48.21 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.49 | -13 | Pass | 8000 |



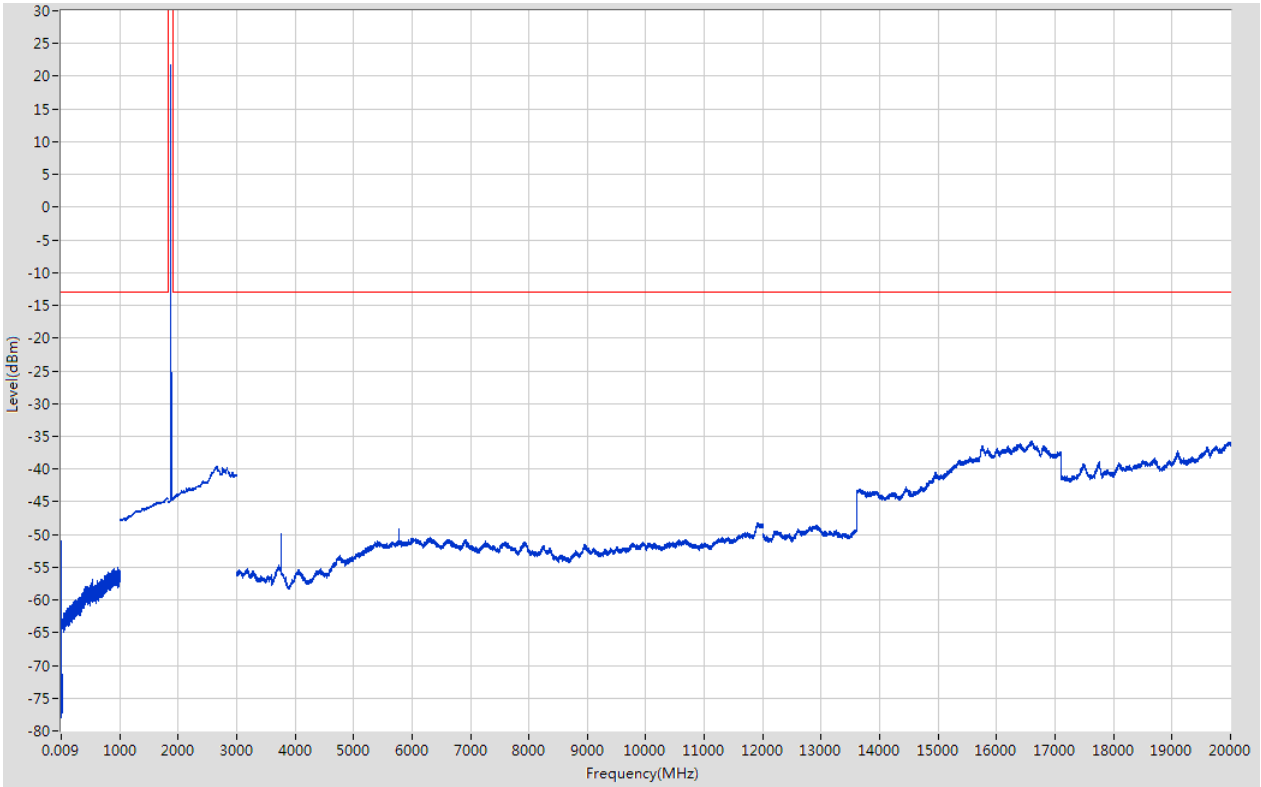
## 1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:30, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.87 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.82 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 942.494 | -55.1 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1819.988 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1882.2 | 22.6 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11894.988 | -48.32 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16600.575 | -35.71 | -13 | Pass | 8000 |



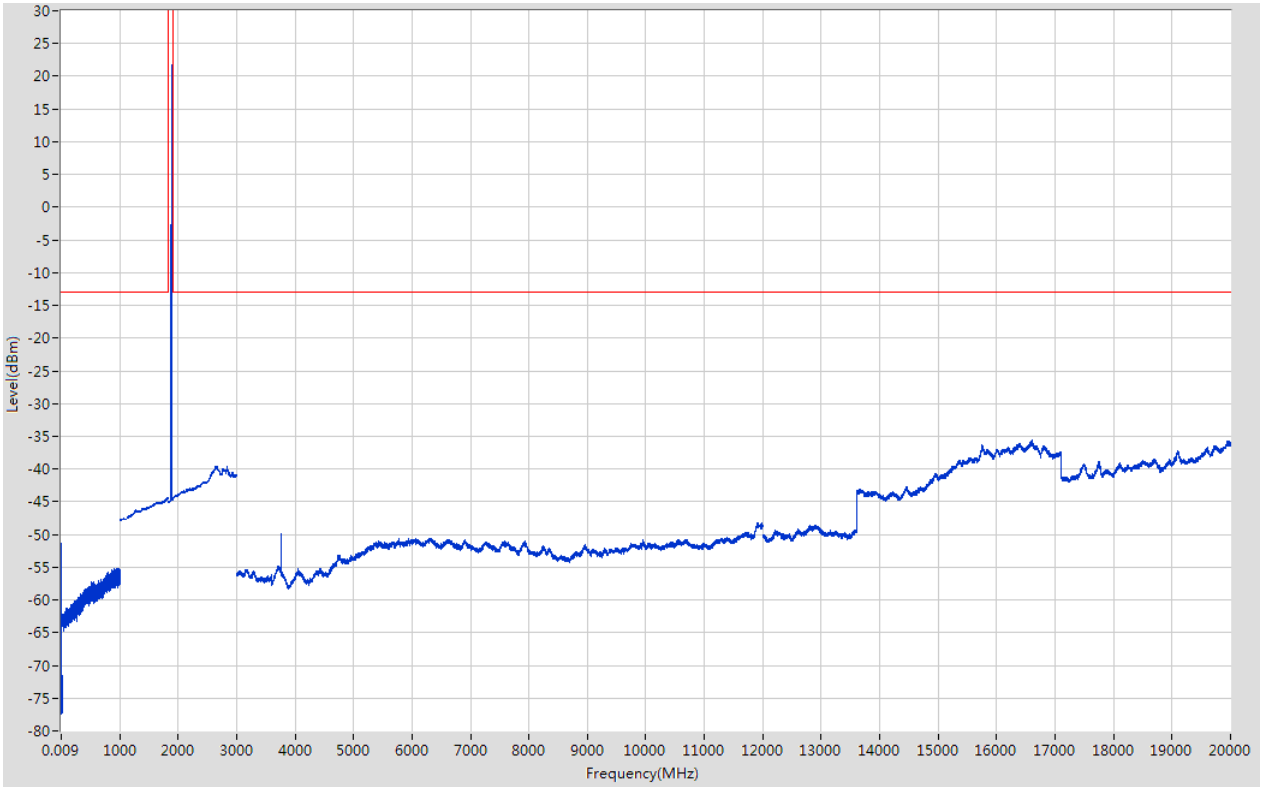
## 1.31. LTE Transmitter Spurious Emissions(NTNV)(Subtest:31, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.07 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.96 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 975.998 | -55.06 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1809.976 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1877.85 | 21.77 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.54 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11915.991 | -48.16 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16609.576 | -35.66 | -13 | Pass | 8000 |



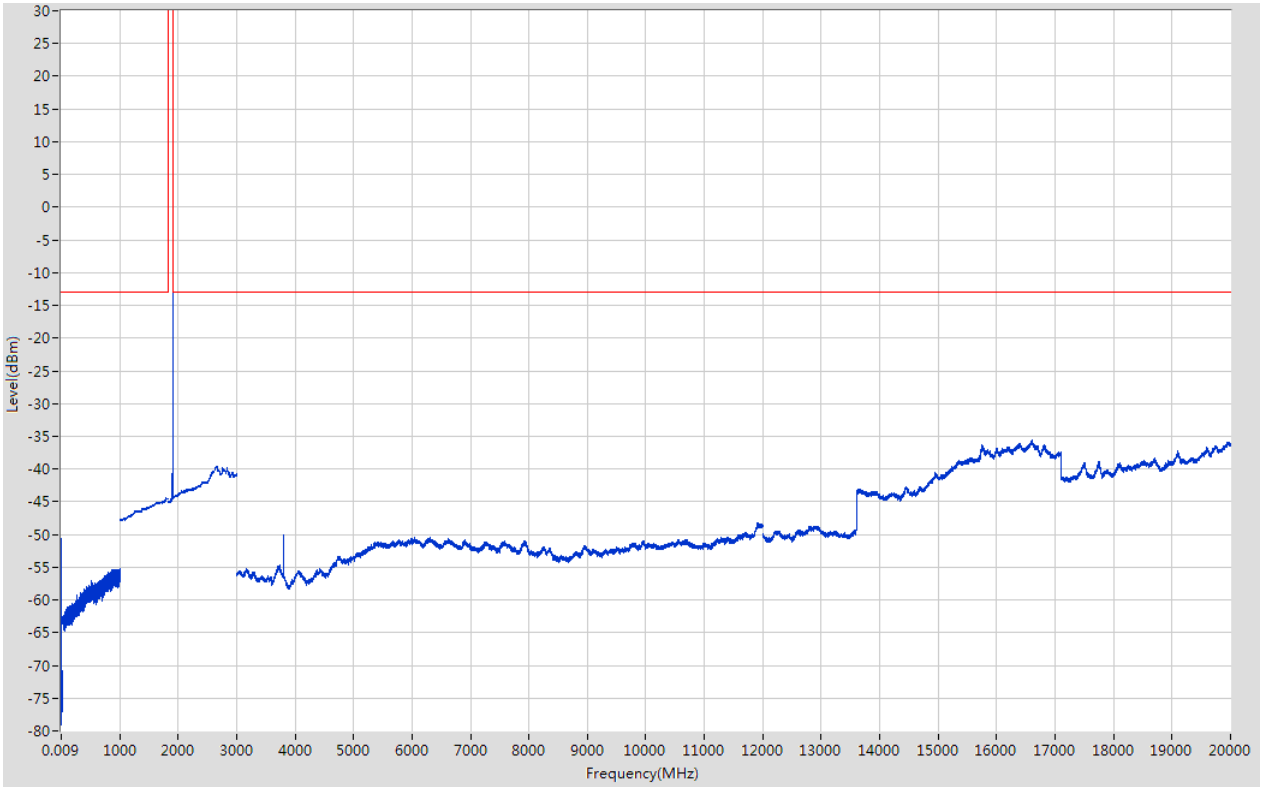
## 1.32. LTE Transmitter Spurious Emissions(NTNV)(Subtest:32, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -51.52 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.36 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 899.49 | -55.18 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1803.969 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1882.2 | 21.78 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2662.688 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11907.99 | -48.17 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16601.575 | -35.61 | -13 | Pass | 8000 |



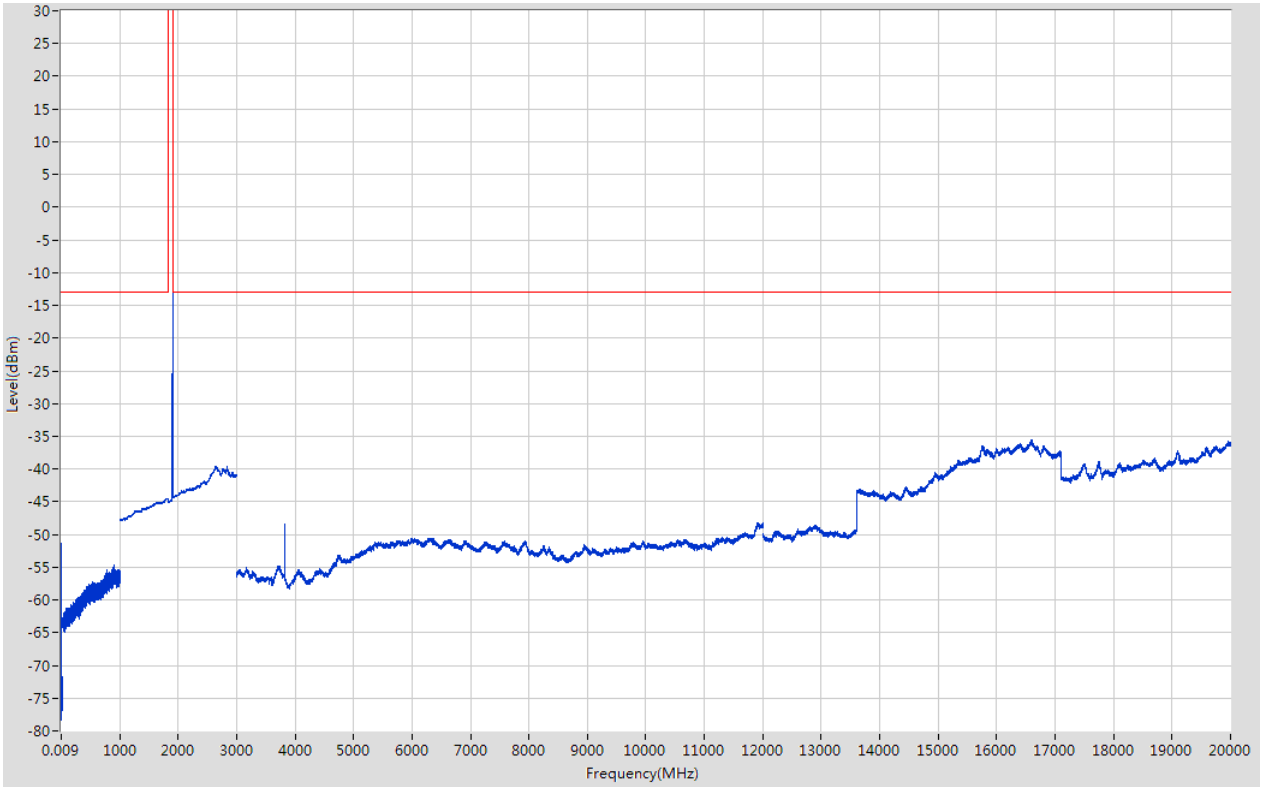
## 1.33. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -53.53 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.64 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 997.9 | -55.28 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1795.959 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1905.3 | 22.51 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.62 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11917.991 | -48.21 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16600.575 | -35.6 | -13 | Pass | 8000 |



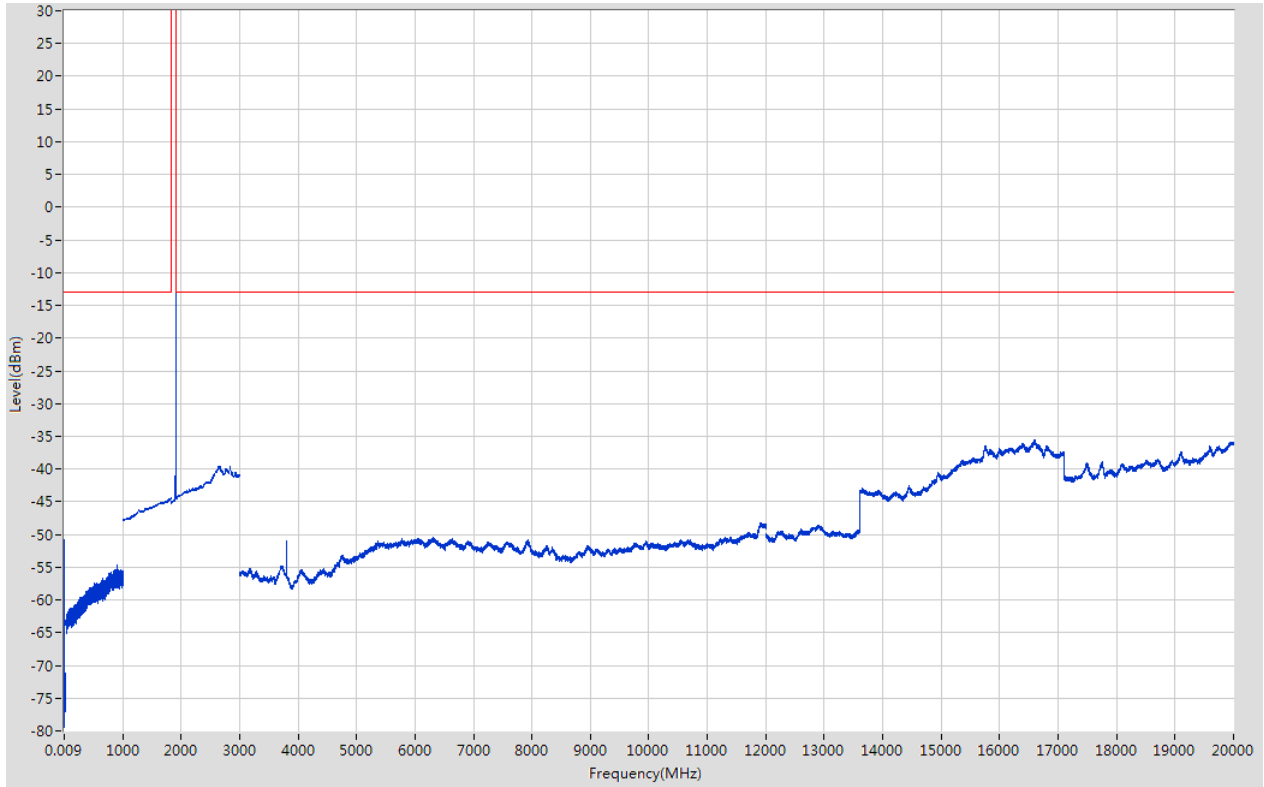
## 1.34. LTE Transmitter Spurious Emissions(NTNV)(Subtest:34, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -51.69 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.34 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 908.291 | -54.61 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1807.973 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.65 | 22.55 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.62 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11915.991 | -48.17 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16598.575 | -35.55 | -13 | Pass | 8000 |



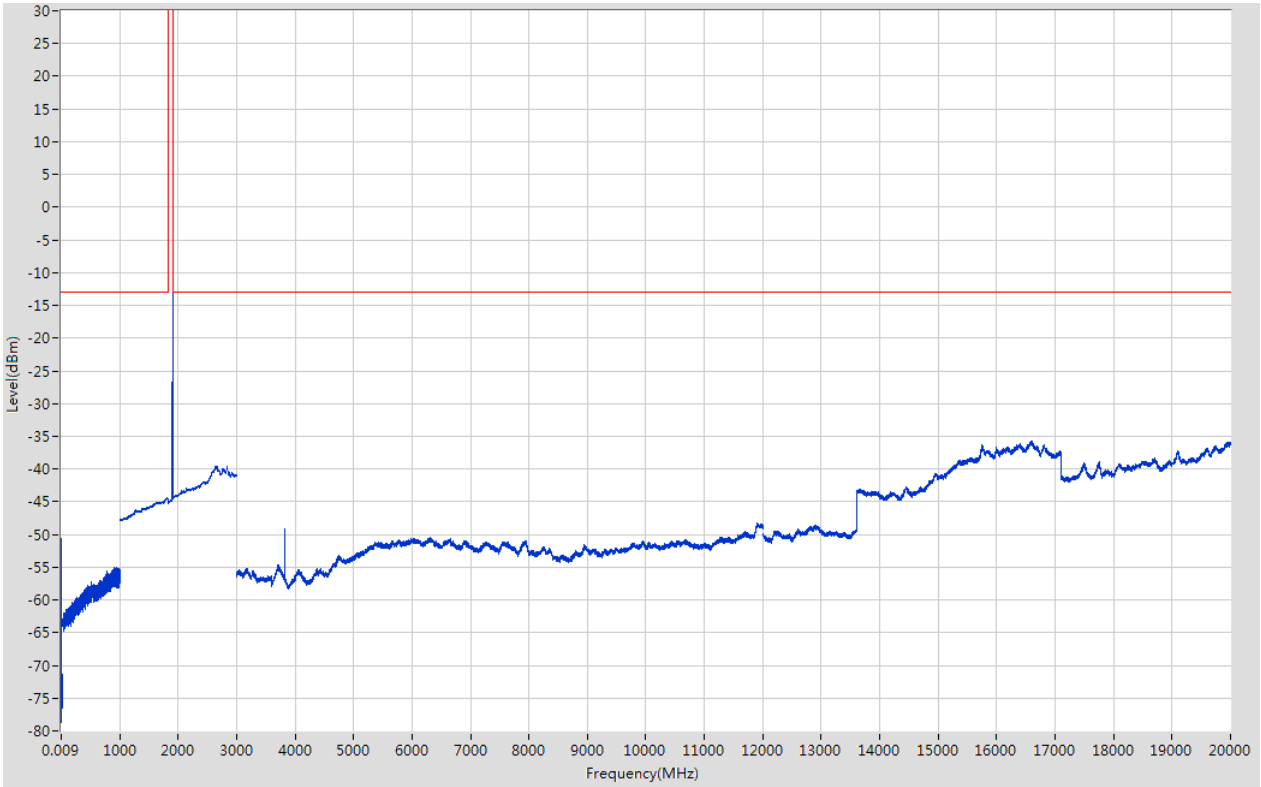
## 1.35. LTE Transmitter Spurious Emissions(NTNV)(Subtest:35, Channel:19175, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -53.16 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.83 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 910.891 | -54.7 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1823.993 | -44.43 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1905.3 | 21.84 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.52 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11913.99 | -48.19 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16598.575 | -35.6 | -13 | Pass | 8000 |



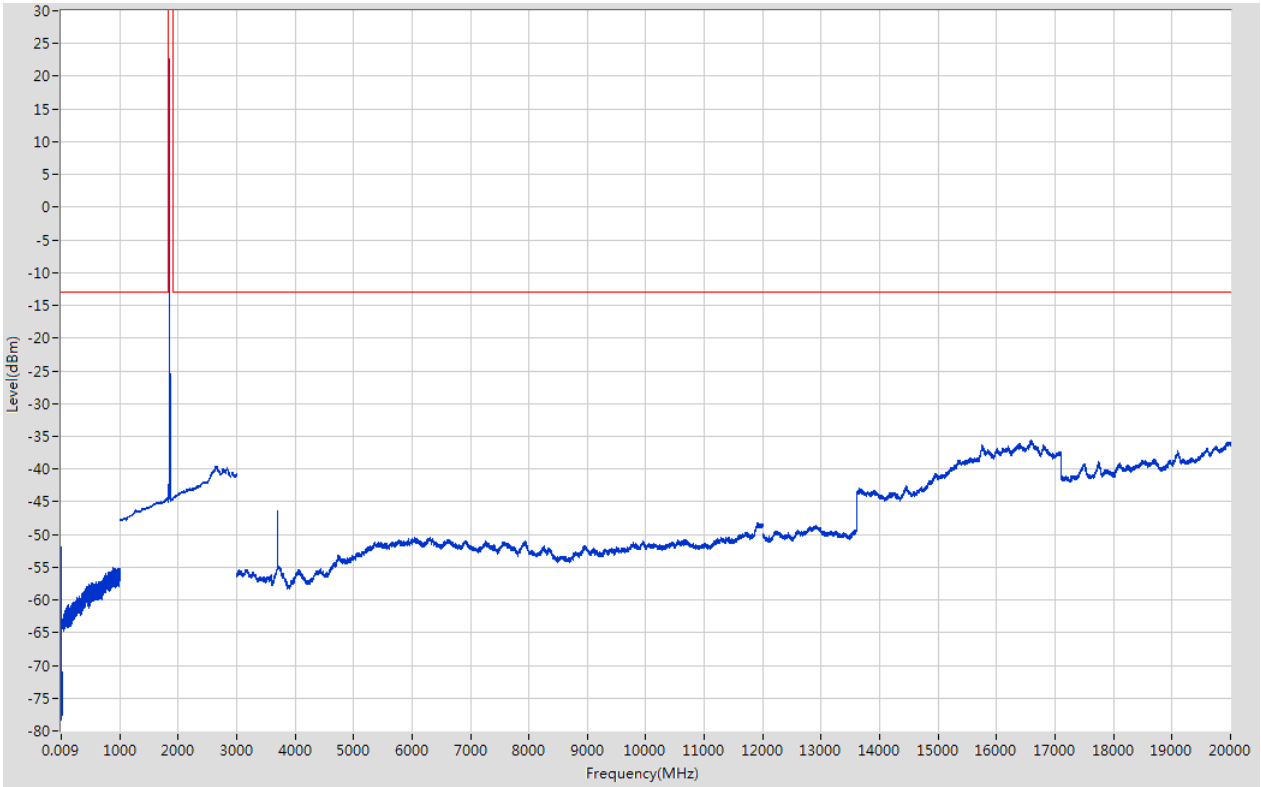
## 1.36. LTE Transmitter Spurious Emissions(NTNV)(Subtest:36, Channel:19175, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.89 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.68 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 936.293 | -55.02 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.65 | 21.84 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11905.99 | -48.31 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16602.575 | -35.71 | -13 | Pass | 8000 |



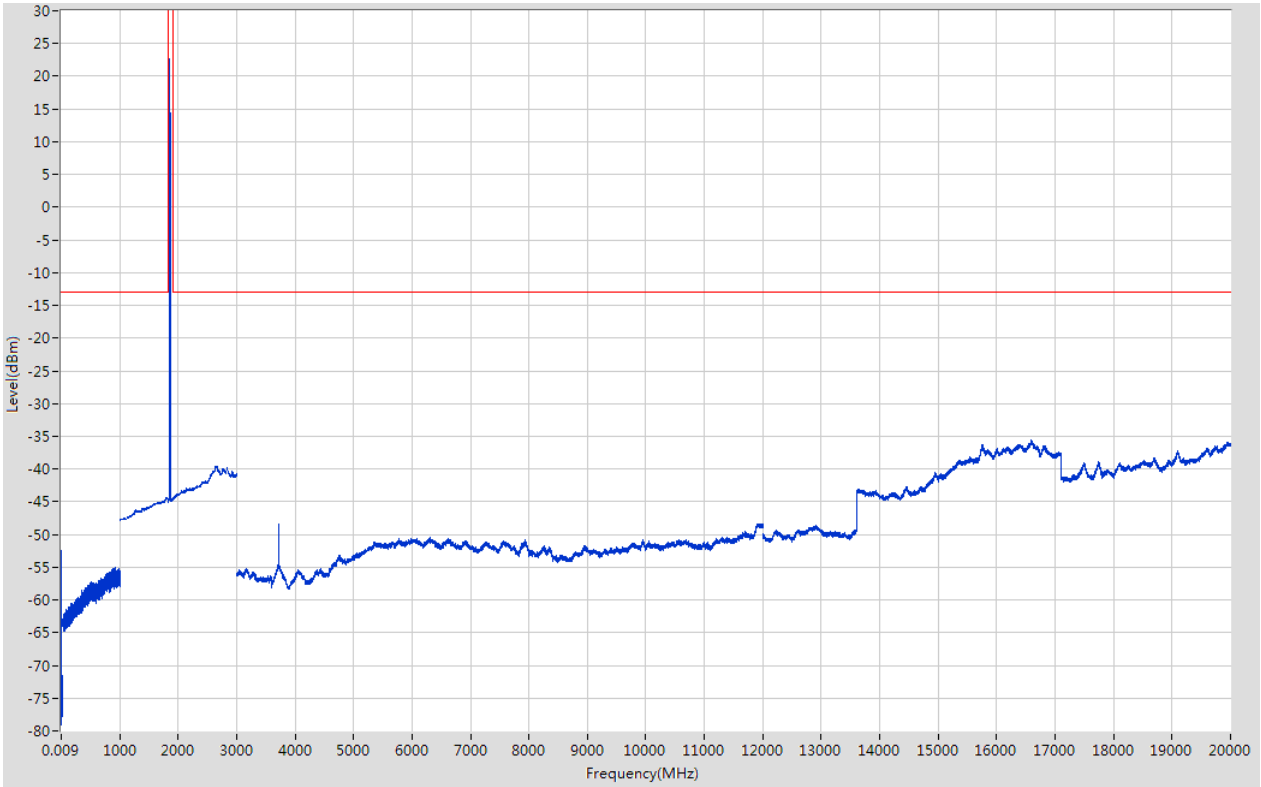
## 1.37. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | 0.011 | -52.77 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.87 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 885.088 | -55.08 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.55 | 22.67 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.61 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3701.078 | -46.38 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16594.574 | -35.51 | -13 | Pass | 8000 |



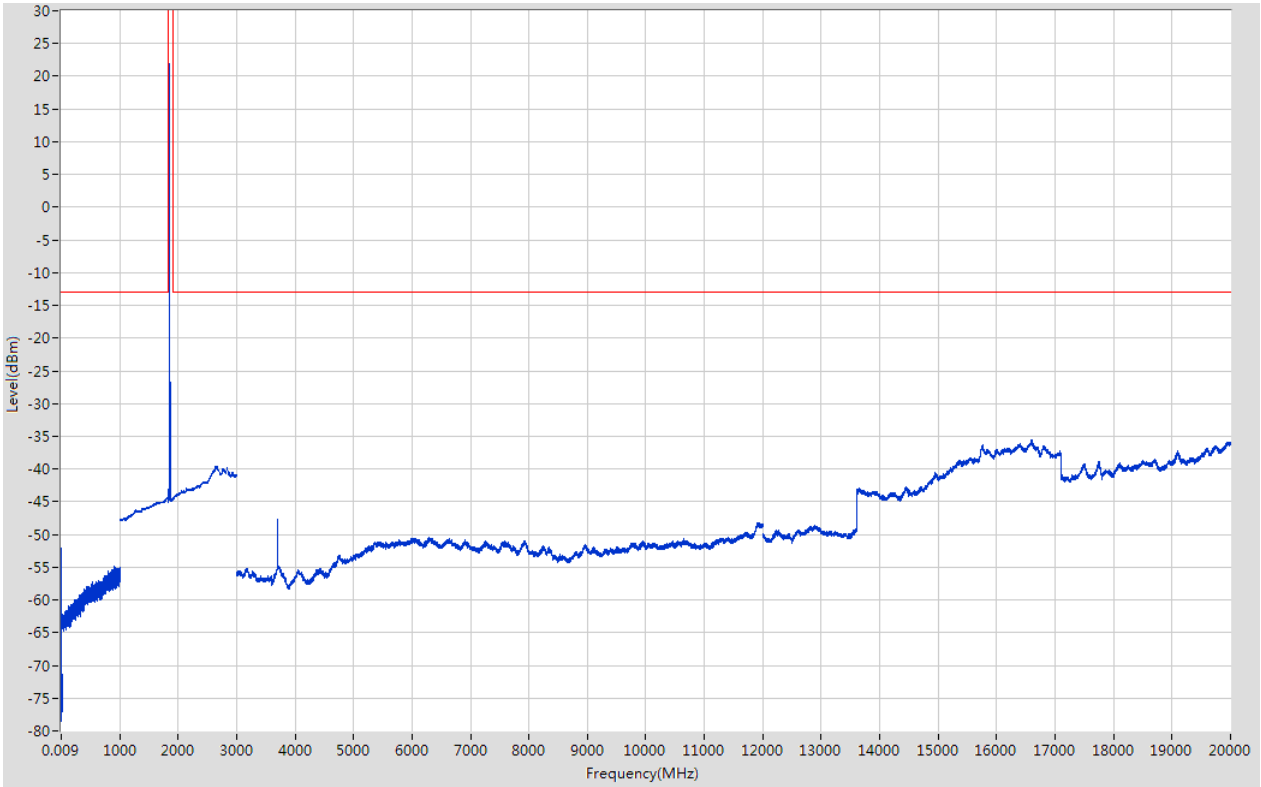
## 1.38. LTE Transmitter Spurious Emissions(NTNV)(Subtest:38, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -53.43 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -52.51 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 927.693 | -54.99 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1800.965 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1859.4 | 22.58 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.61 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11915.991 | -48.33 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16596.575 | -35.64 | -13 | Pass | 8000 |



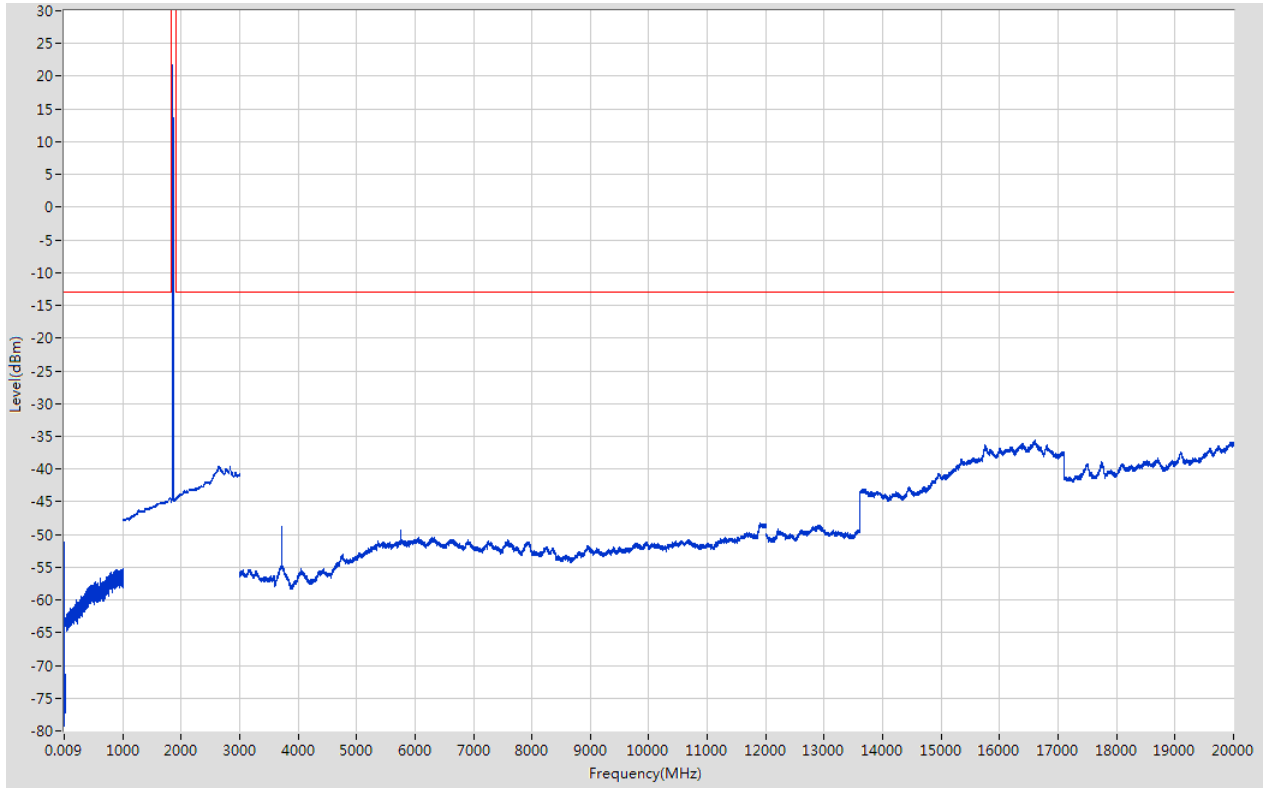
## 1.39. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:18650, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.41 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -52.16 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 905.39 | -54.89 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1811.978 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.55 | 21.88 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3701.078 | -47.67 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16597.575 | -35.56 | -13 | Pass | 8000 |



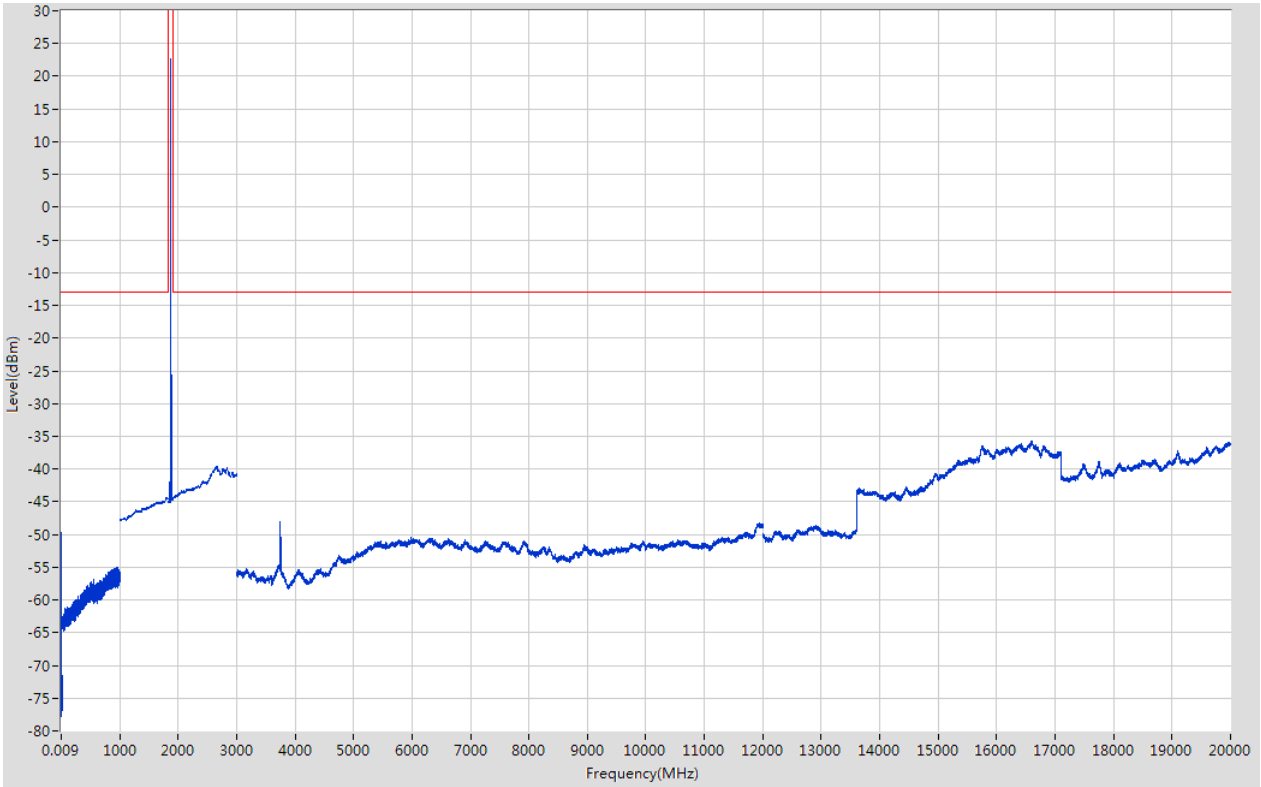
## 1.40. LTE Transmitter Spurious Emissions(NTNV)(Subtest:40, Channel:18650, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -51.58 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.16 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 998.3 | -55.28 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1815.983 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1859.4 | 21.77 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2658.684 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11903.989 | -48.28 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.54 | -13 | Pass | 8000 |



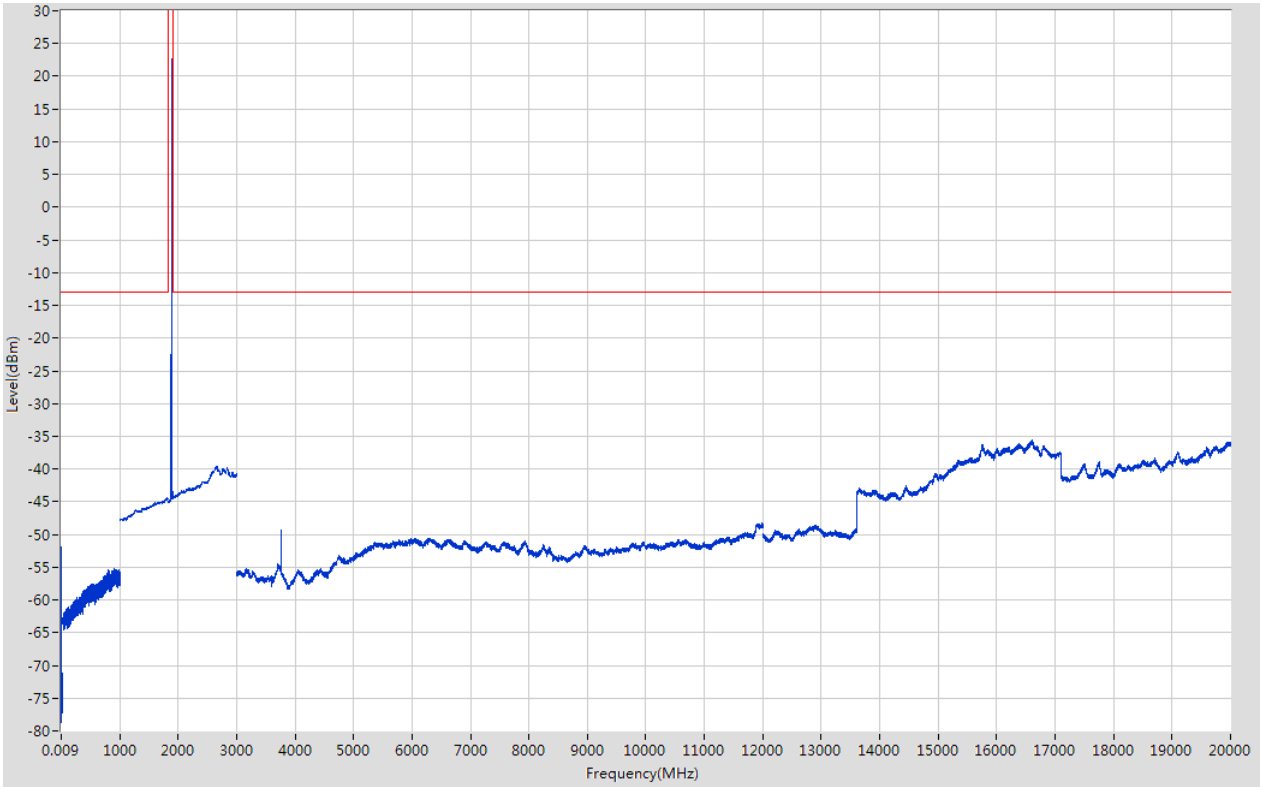
## 1.41. LTE Transmitter Spurious Emissions(NTNV)(Subtest:41, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | 0.012 | -52.68 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -49.68 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 971.197 | -55.09 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1806.972 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1875.6 | 22.65 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.62 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3751.083 | -48.08 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16601.575 | -35.7 | -13 | Pass | 8000 |



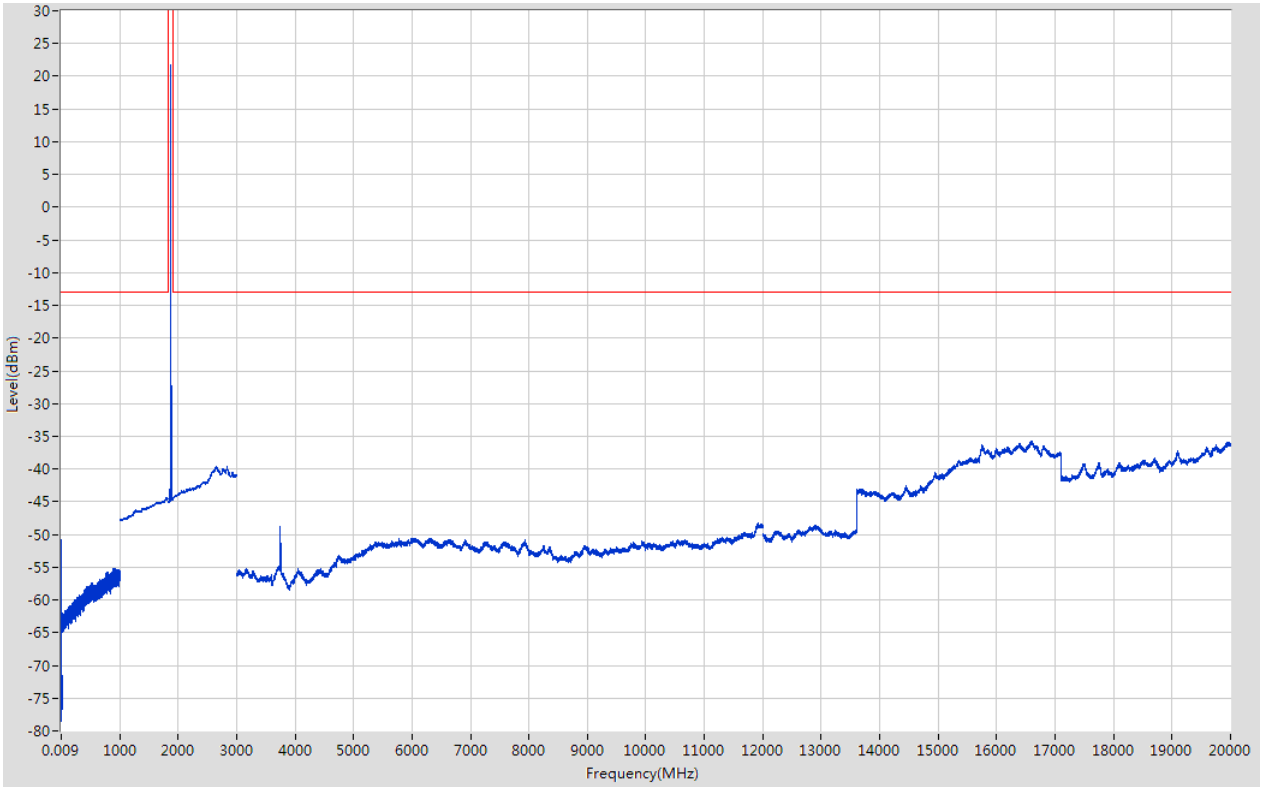
## 1.42. LTE Transmitter Spurious Emissions(NTNV)(Subtest:42, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -51.9 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.58 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 909.391 | -55.24 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1814.982 | -44.41 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1884.45 | 22.64 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.53 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11974.997 | -48.27 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16602.575 | -35.61 | -13 | Pass | 8000 |



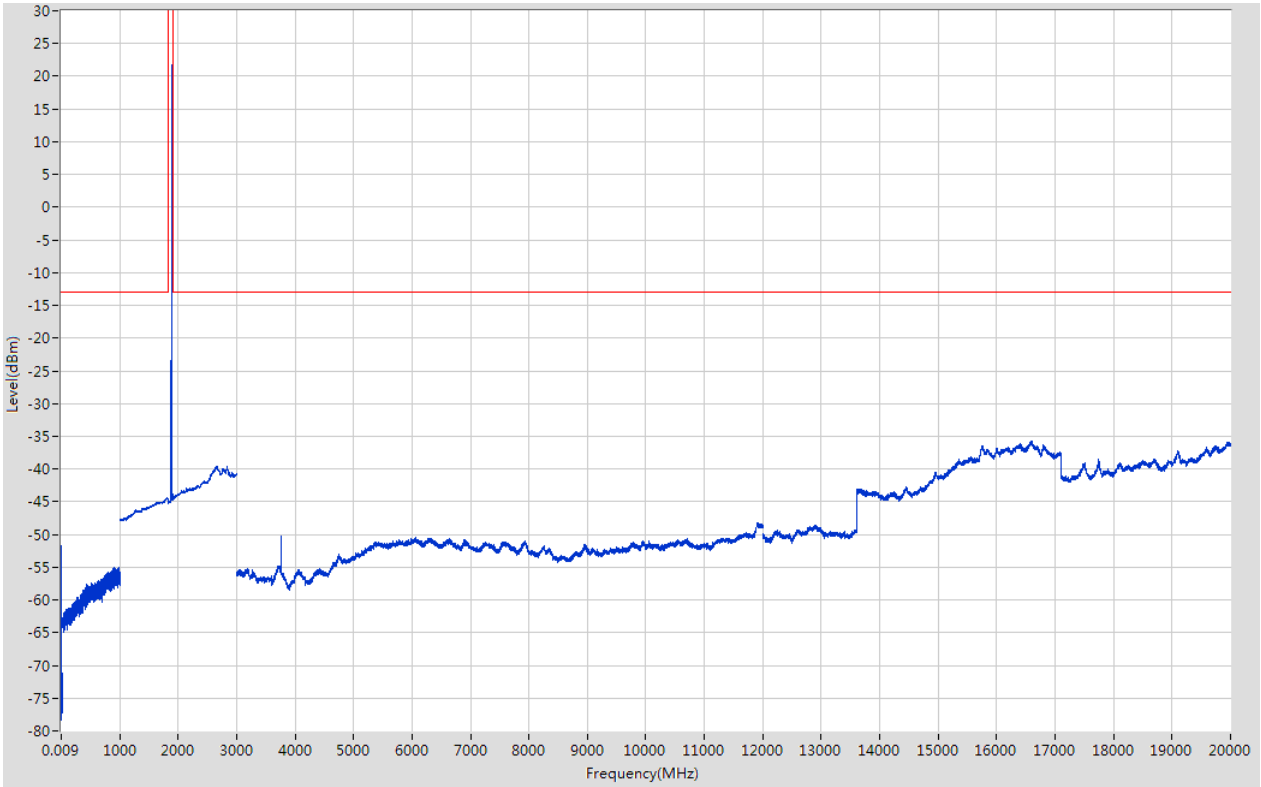
## 1.43. LTE Transmitter Spurious Emissions(NTNV)(Subtest:43, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.26 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -50.87 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 899.09 | -55.16 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1813.981 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1875.6 | 21.69 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2657.683 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11923.992 | -48.28 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16580.573 | -35.68 | -13 | Pass | 8000 |



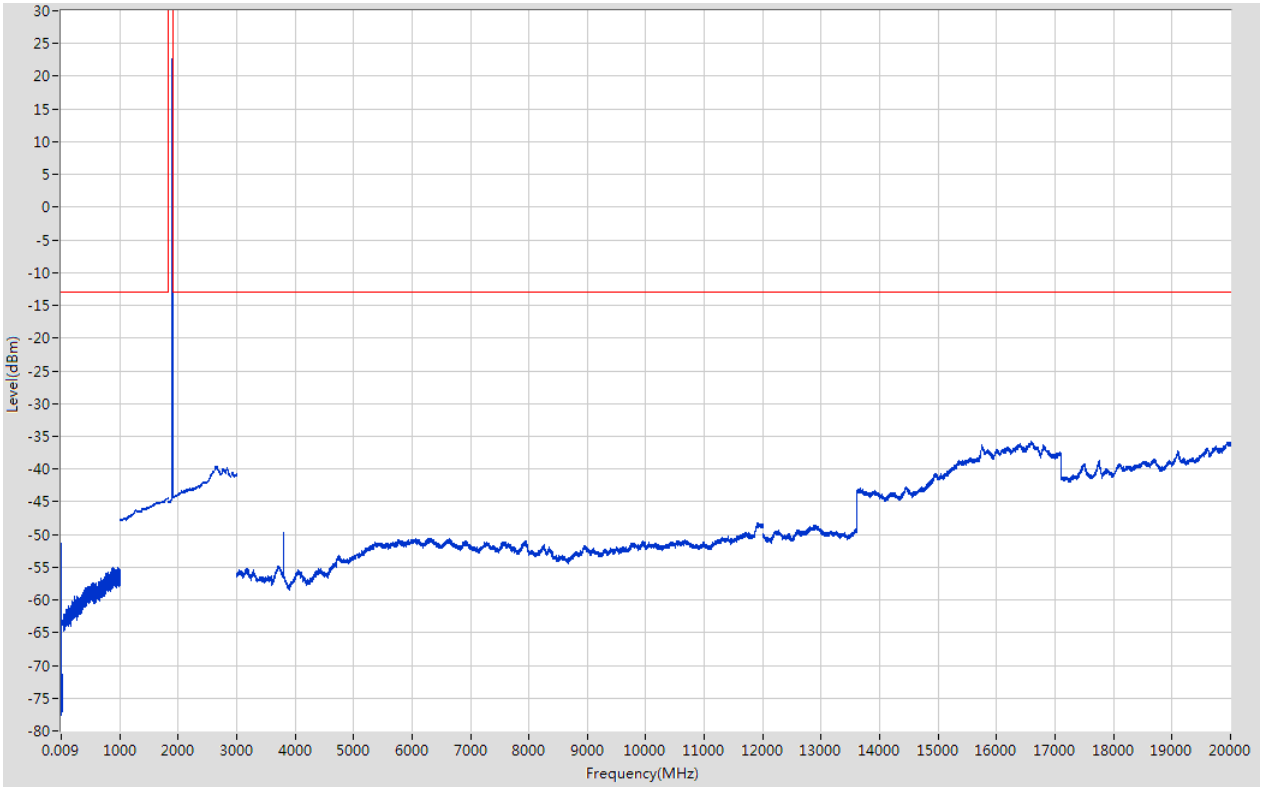
## 1.44. LTE Transmitter Spurious Emissions(NTNV)(Subtest:44, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.22 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.73 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 992.099 | -54.96 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1817.986 | -44.4 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1884.45 | 21.67 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11923.992 | -48.24 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16608.576 | -35.66 | -13 | Pass | 8000 |



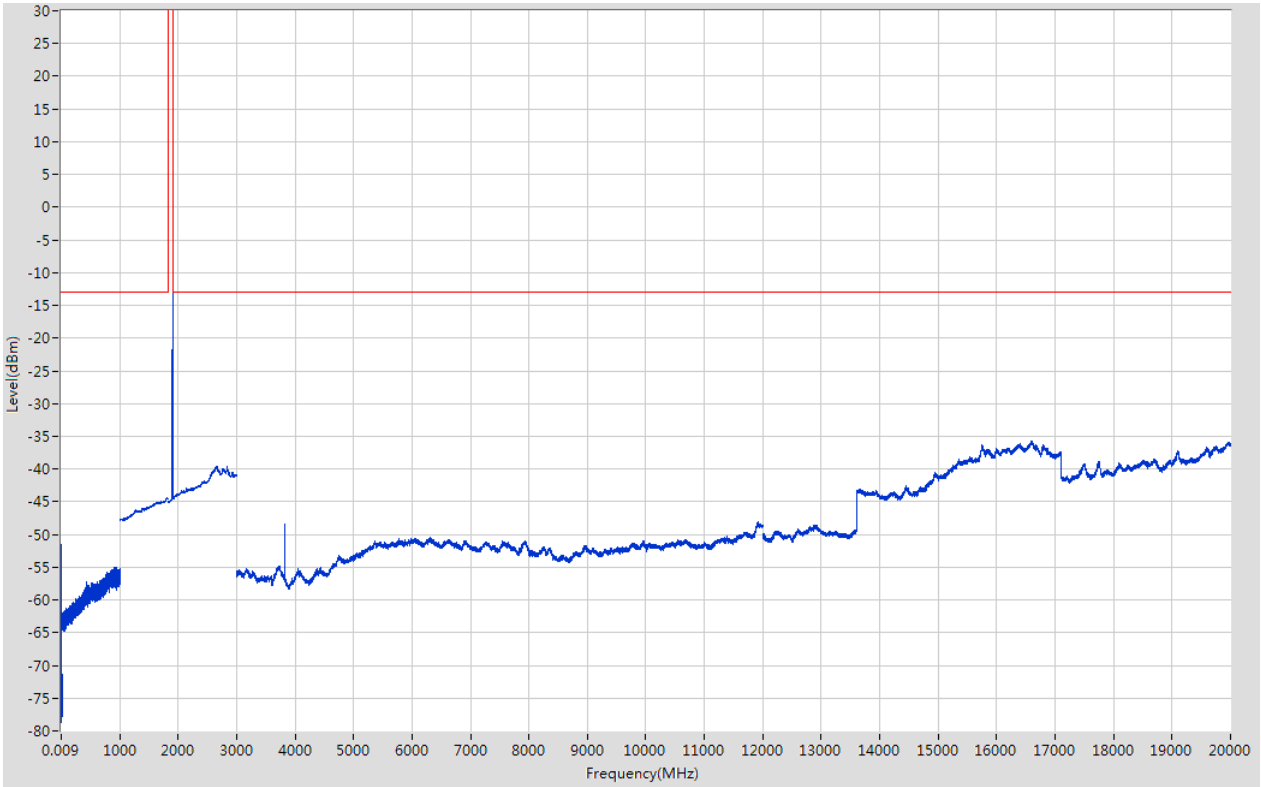
## 1.45. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52.17 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.42 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 891.589 | -55.06 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1830 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1900.65 | 22.58 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11908.99 | -48.25 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16591.574 | -35.68 | -13 | Pass | 8000 |



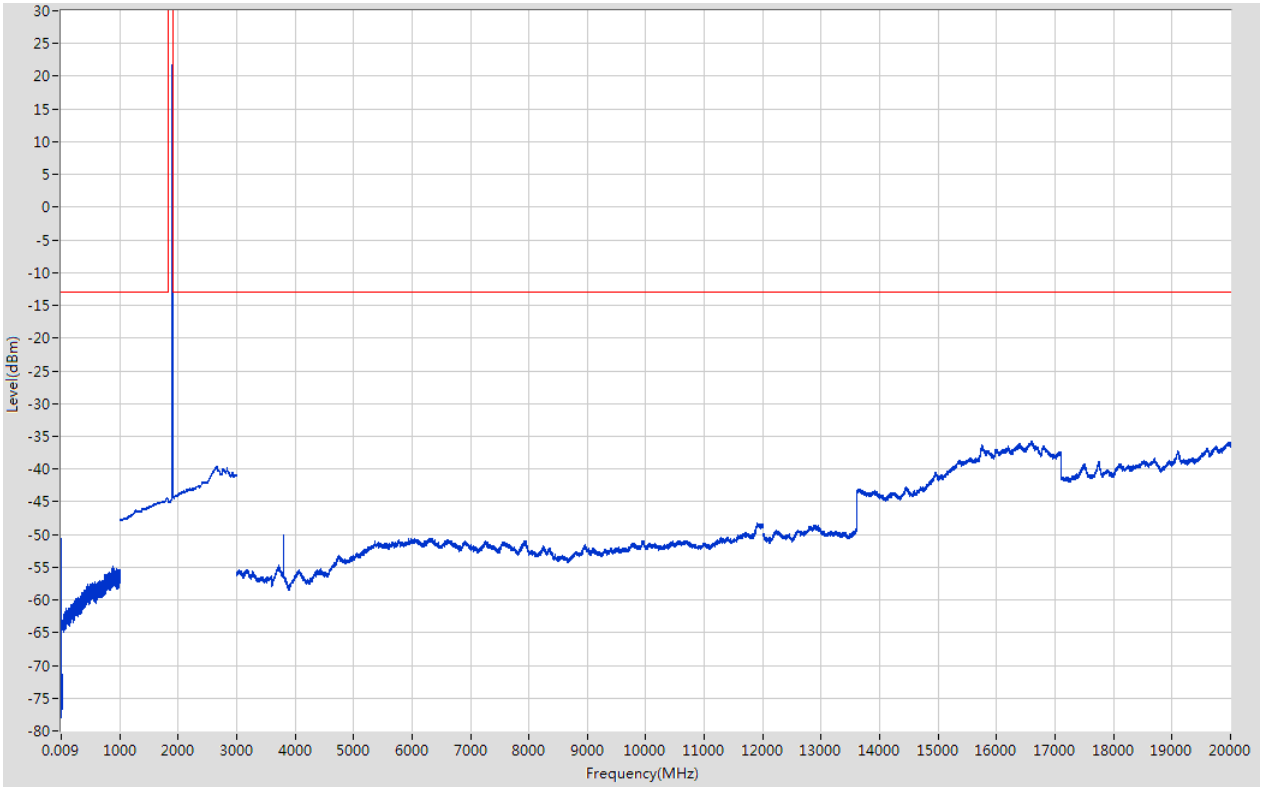
## 1.46. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | 0.012 | -53.45 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.58 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 921.392 | -55.02 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1809.976 | -44.4 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.35 | 22.53 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11924.992 | -48.13 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16604.576 | -35.7 | -13 | Pass | 8000 |



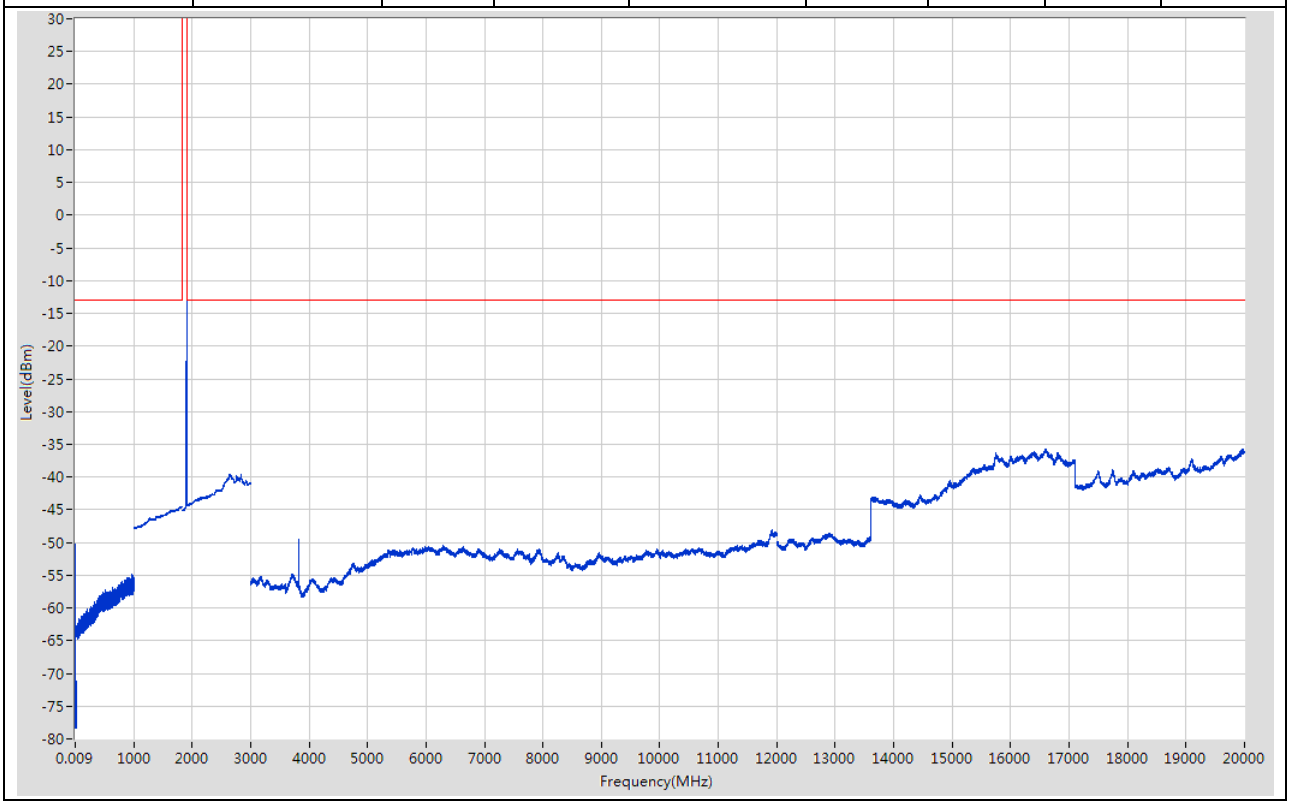
## 1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:19150, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -53.65 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.69 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 893.989 | -54.85 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1804.97 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1900.65 | 21.69 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.56 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11901.989 | -48.25 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16588.574 | -35.79 | -13 | Pass | 8000 |



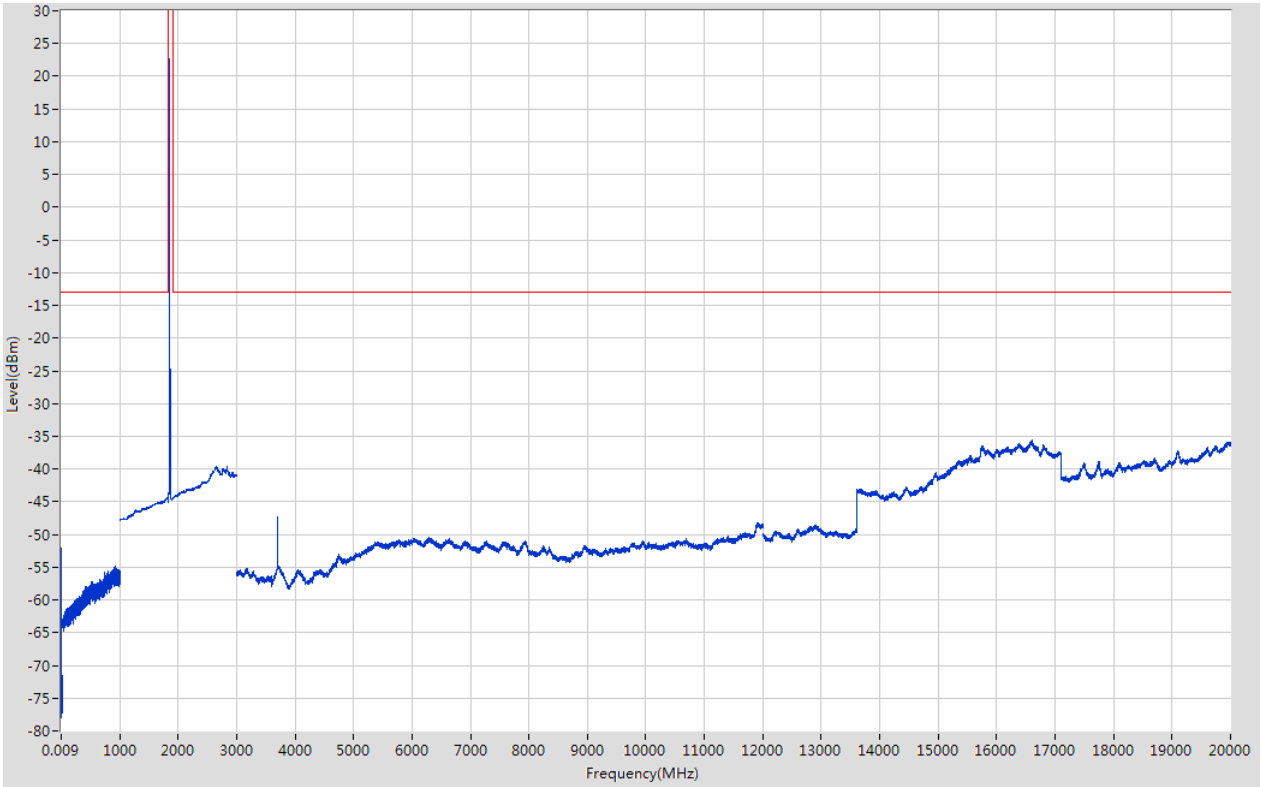
## 1.48. LTE Transmitter Spurious Emissions(NTNV)(Subtest:48, Channel:19150, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -53.03 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.34 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 960.596 | -54.85 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1817.986 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.35 | 21.67 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11917.991 | -48.12 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16606.576 | -35.76 | -13 | Pass | 8000 |



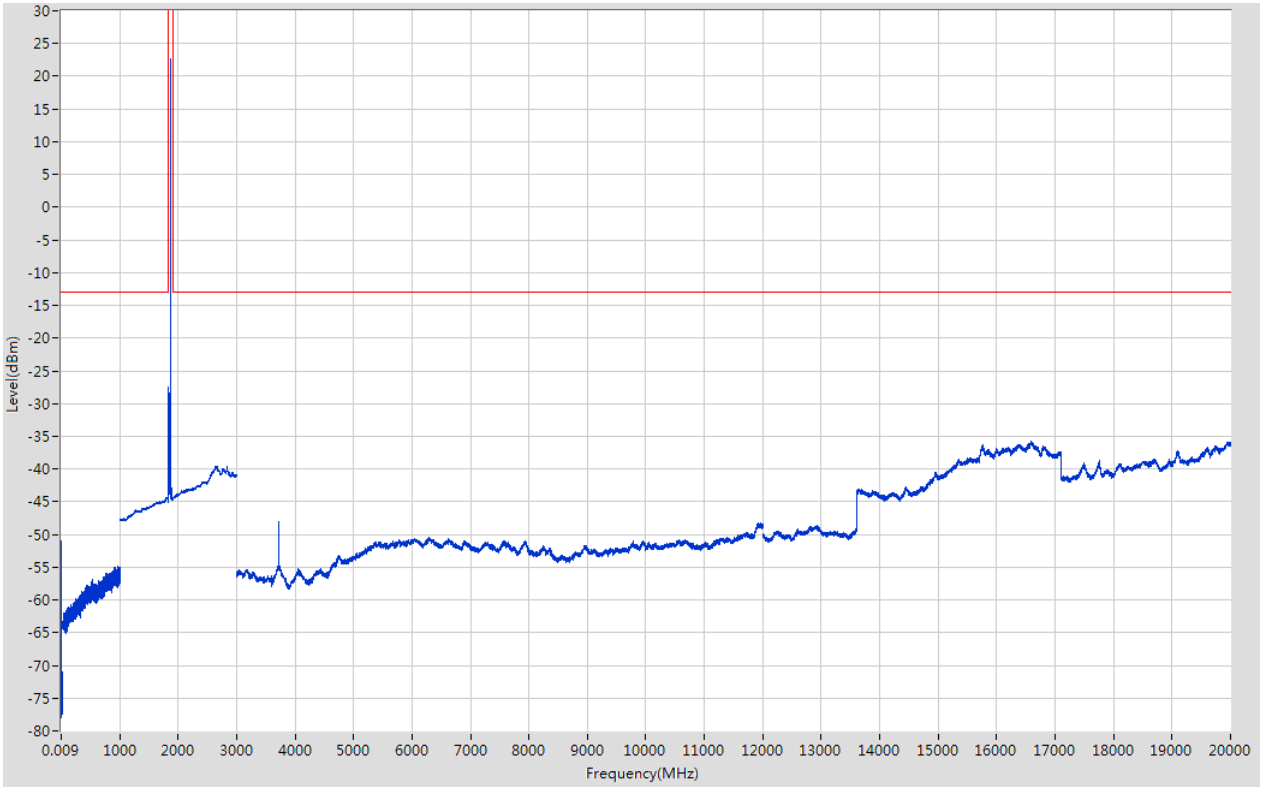
## 1.49. LTE Transmitter Spurious Emissions(NTNV)(Subtest:49, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -53.22 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.12 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 933.293 | -54.8 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1823.993 | -44.25 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.85 | 22.66 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.64 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3702.078 | -47.37 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16600.575 | -35.62 | -13 | Pass | 8000 |



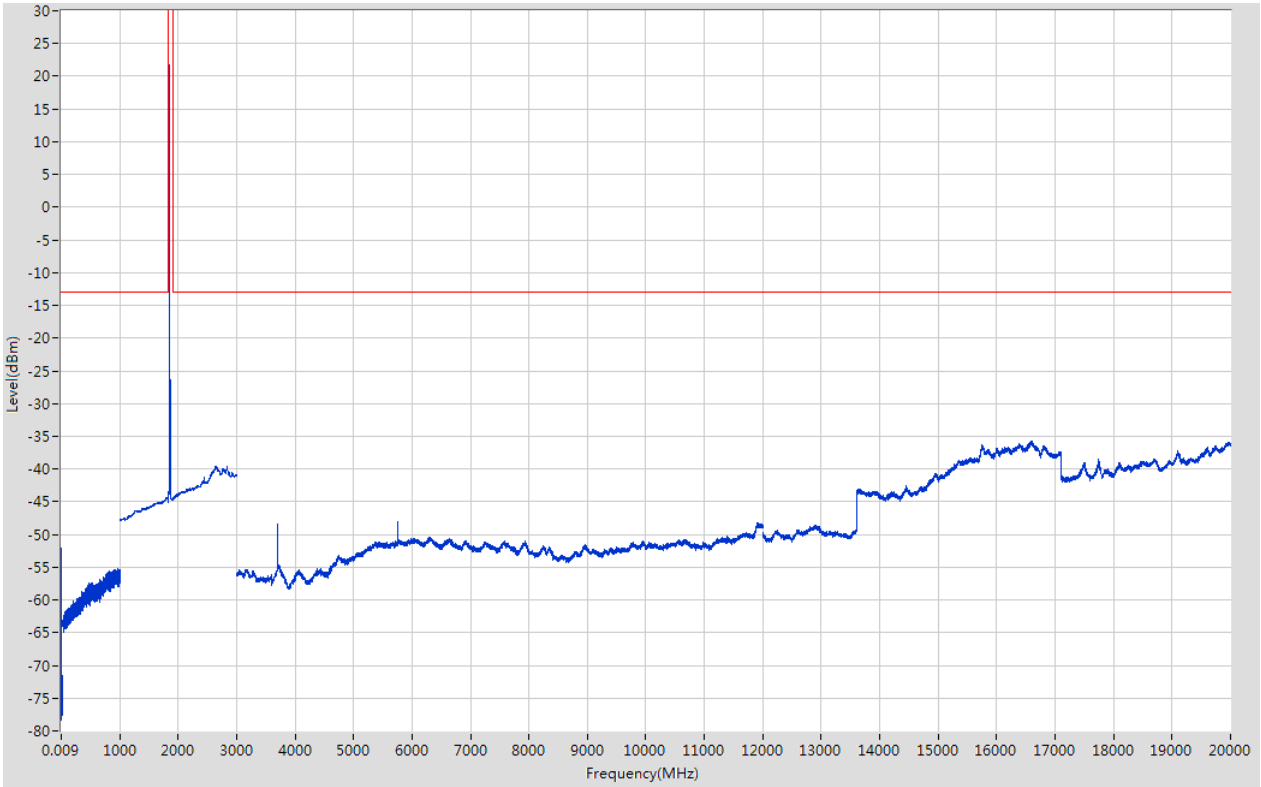
## 1.50. LTE Transmitter Spurious Emissions(NTNV)(Subtest:50, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.68 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.05 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 965.696 | -54.91 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1814.982 | -44.41 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1864.2 | 22.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3728.081 | -47.98 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16594.574 | -35.73 | -13 | Pass | 8000 |



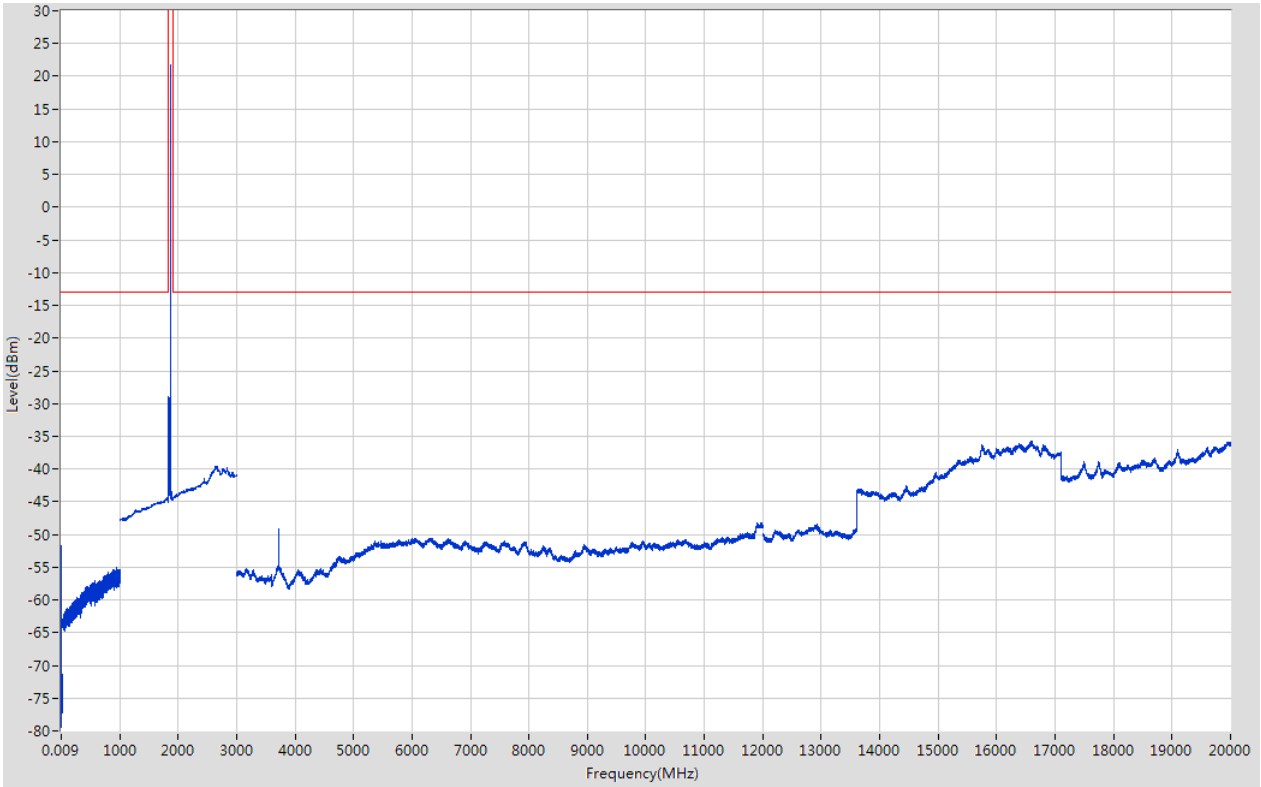
## 1.51. LTE Transmitter Spurious Emissions(NTNV)(Subtest:51, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.52 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.02 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 971.597 | -55.22 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1823.993 | -44.35 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1850.85 | 21.8 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 5762.307 | -48.03 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16601.575 | -35.67 | -13 | Pass | 8000 |



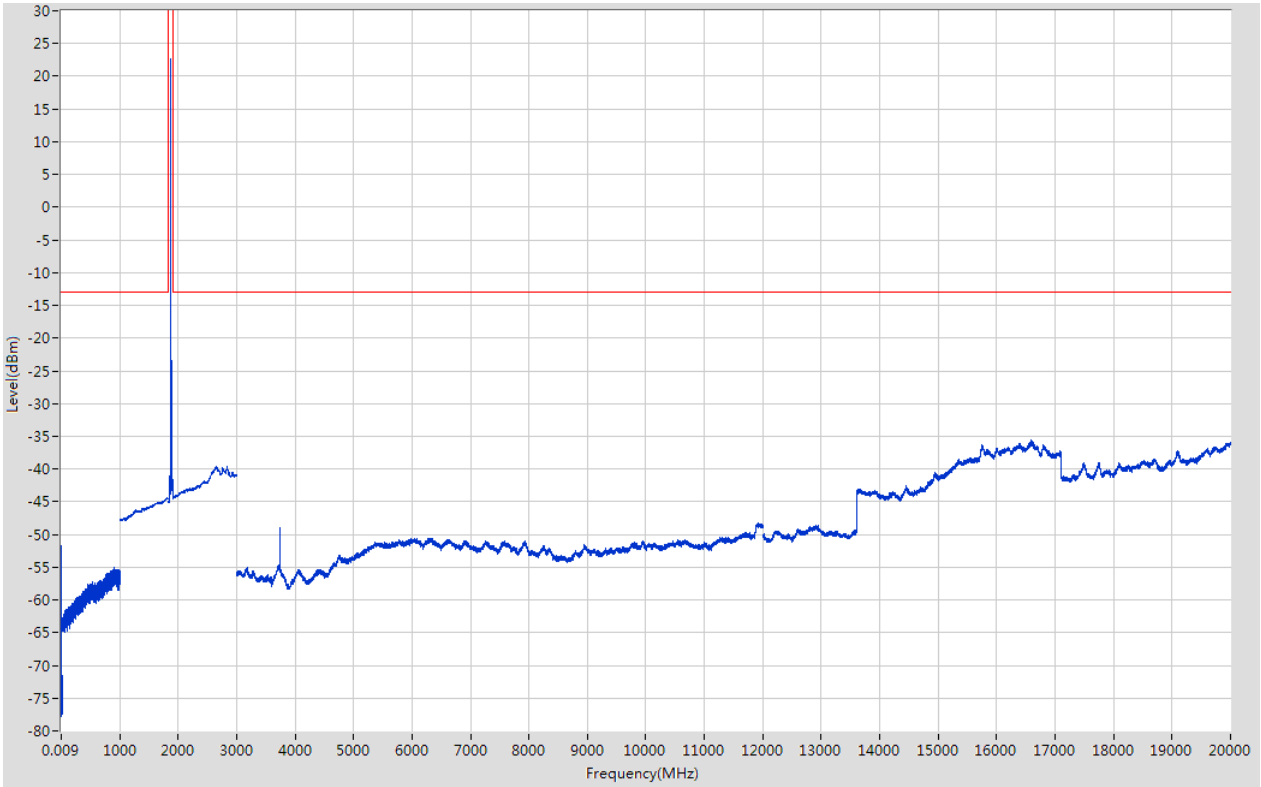
## 1.52. LTE Transmitter Spurious Emissions(NTNV)(Subtest:52, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -51.65 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.95 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 945.494 | -54.94 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1803.969 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1864.2 | 21.82 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11952.995 | -48.23 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.75 | -13 | Pass | 8000 |



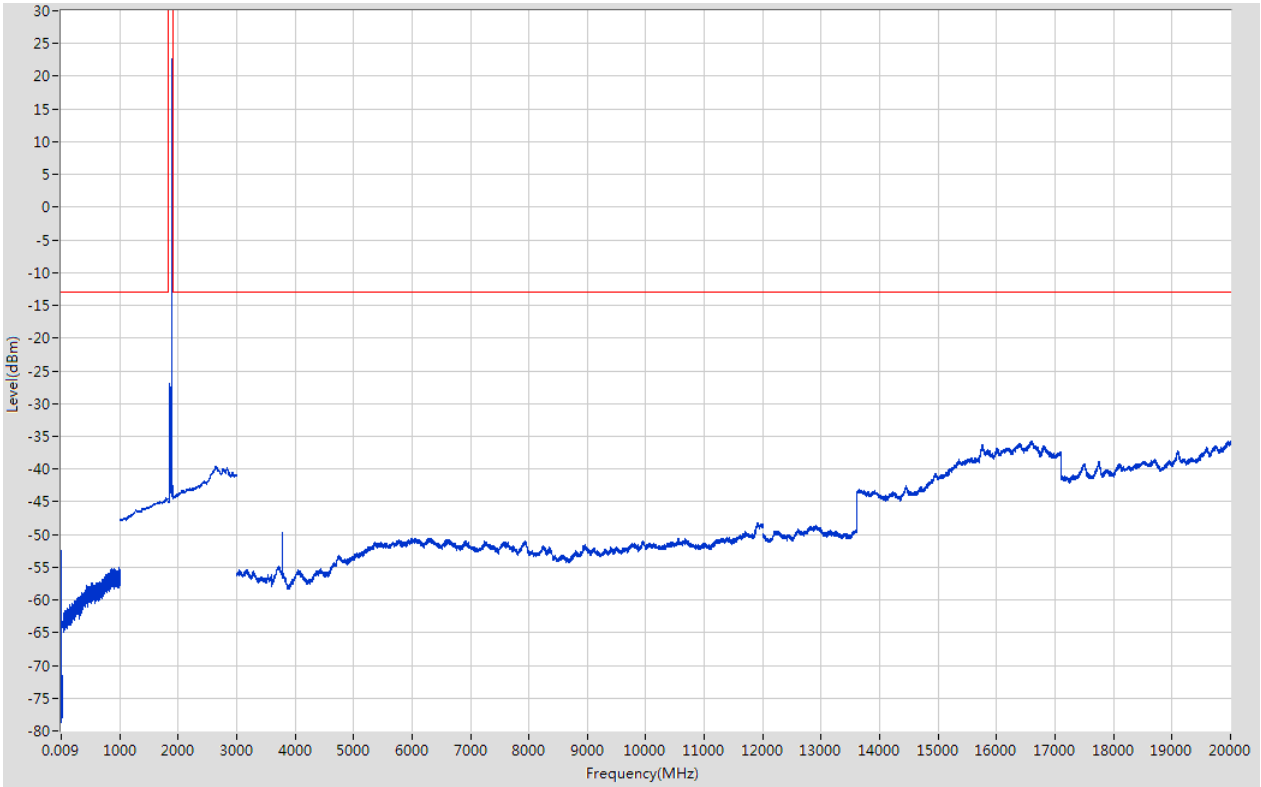
## 1.53. LTE Transmitter Spurious Emissions(NTNV)(Subtest:53, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | 0.011 | -52.51 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.69 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 913.291 | -55.09 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.39 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1873.35 | 22.67 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2658.684 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11923.992 | -48.27 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16592.574 | -35.54 | -13 | Pass | 8000 |



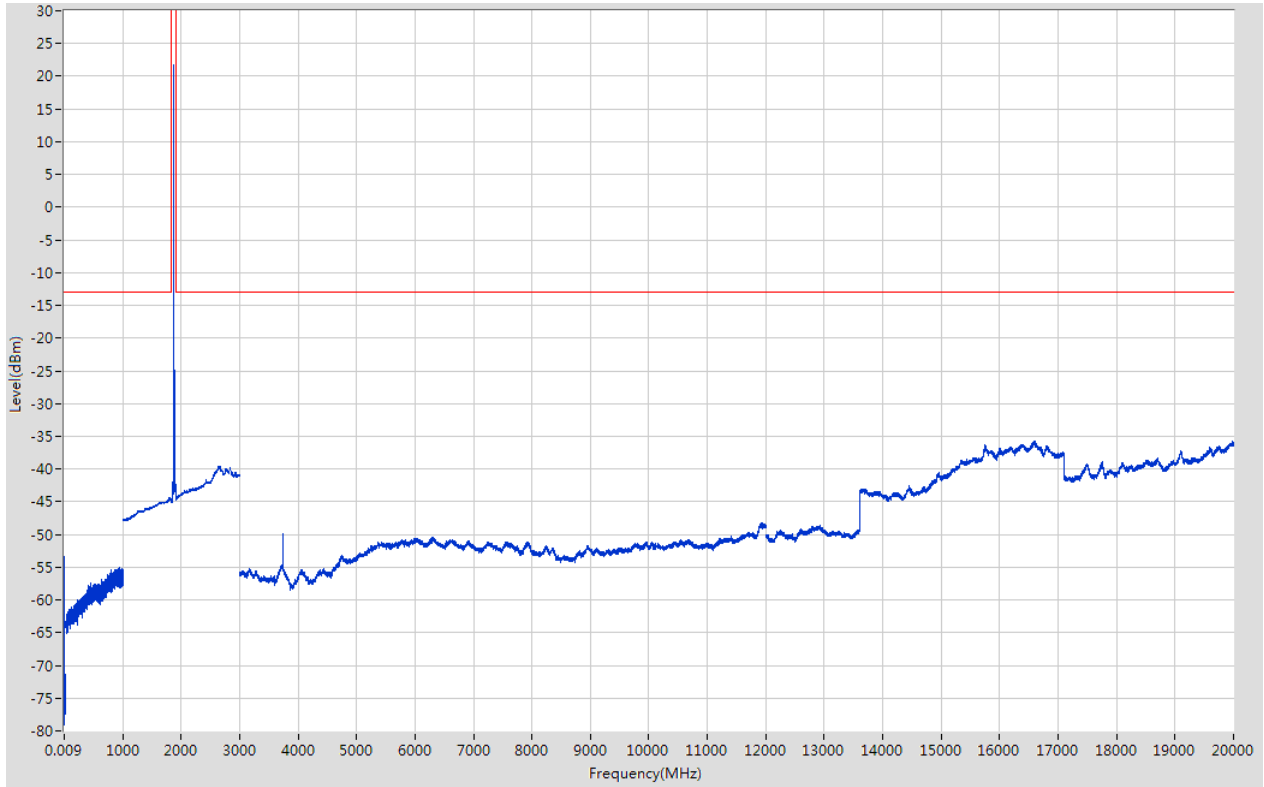
## 1.54. LTE Transmitter Spurious Emissions(NTNV)(Subtest:54, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.42 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.17 | -52.43 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 980.598 | -55 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1795.959 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1886.7 | 22.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.62 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11900.989 | -48.2 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16597.575 | -35.7 | -13 | Pass | 8000 |



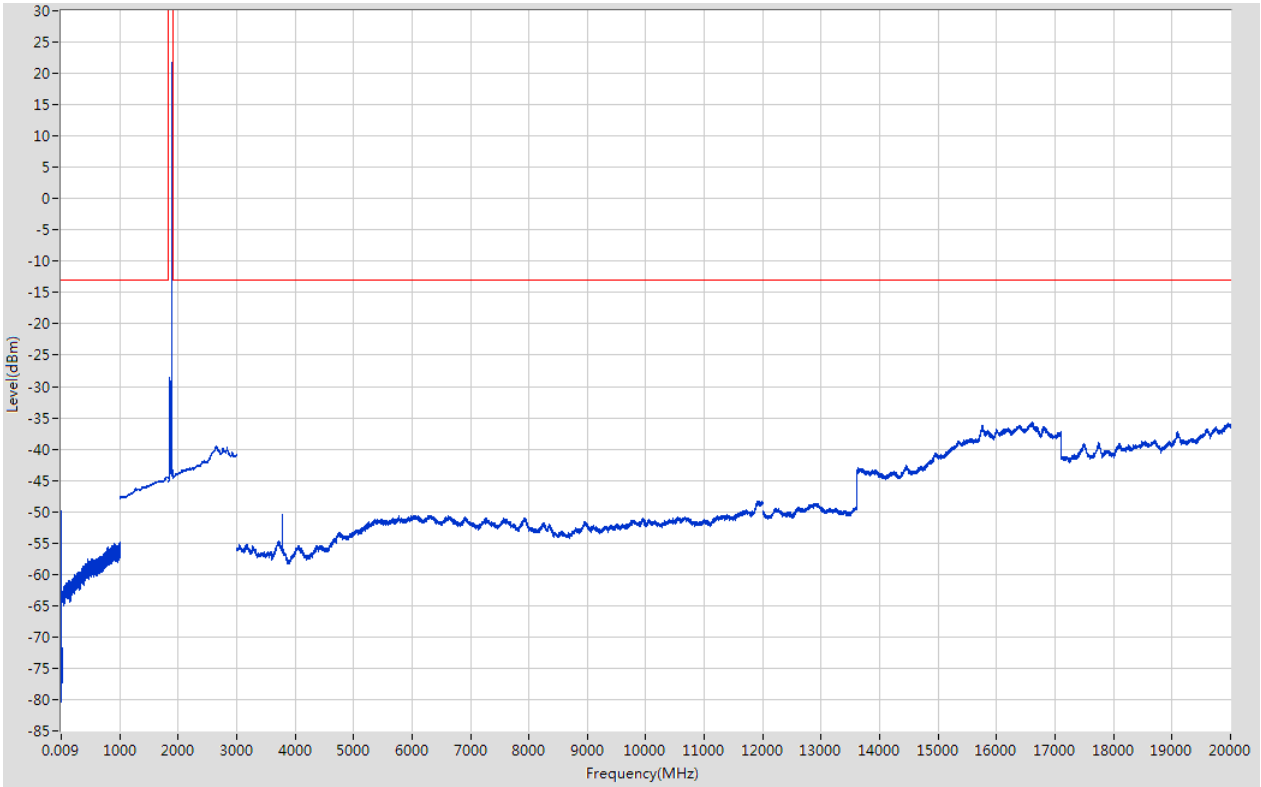
## 1.55. LTE Transmitter Spurious Emissions(NTNV)(Subtest:55, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -53.55 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.17 | -53.32 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 951.195 | -55.08 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1873.35 | 21.69 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2662.688 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11933.993 | -48.32 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16580.573 | -35.72 | -13 | Pass | 8000 |



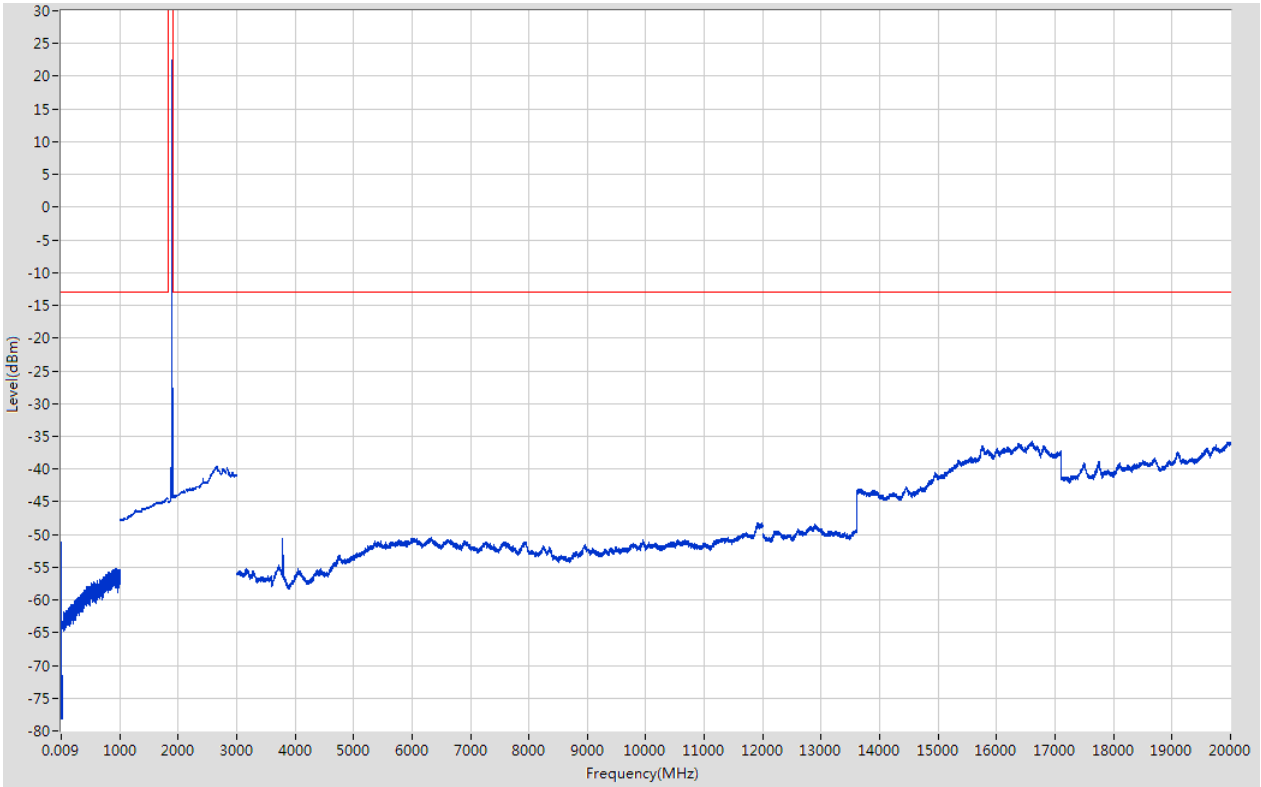
## 1.56. LTE Transmitter Spurious Emissions(NTNV)(Subtest:56, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.7 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -49.88 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 999.7 | -54.89 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1815.983 | -44.42 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1886.7 | 21.67 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.58 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11928.992 | -48.26 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16598.575 | -35.7 | -13 | Pass | 8000 |



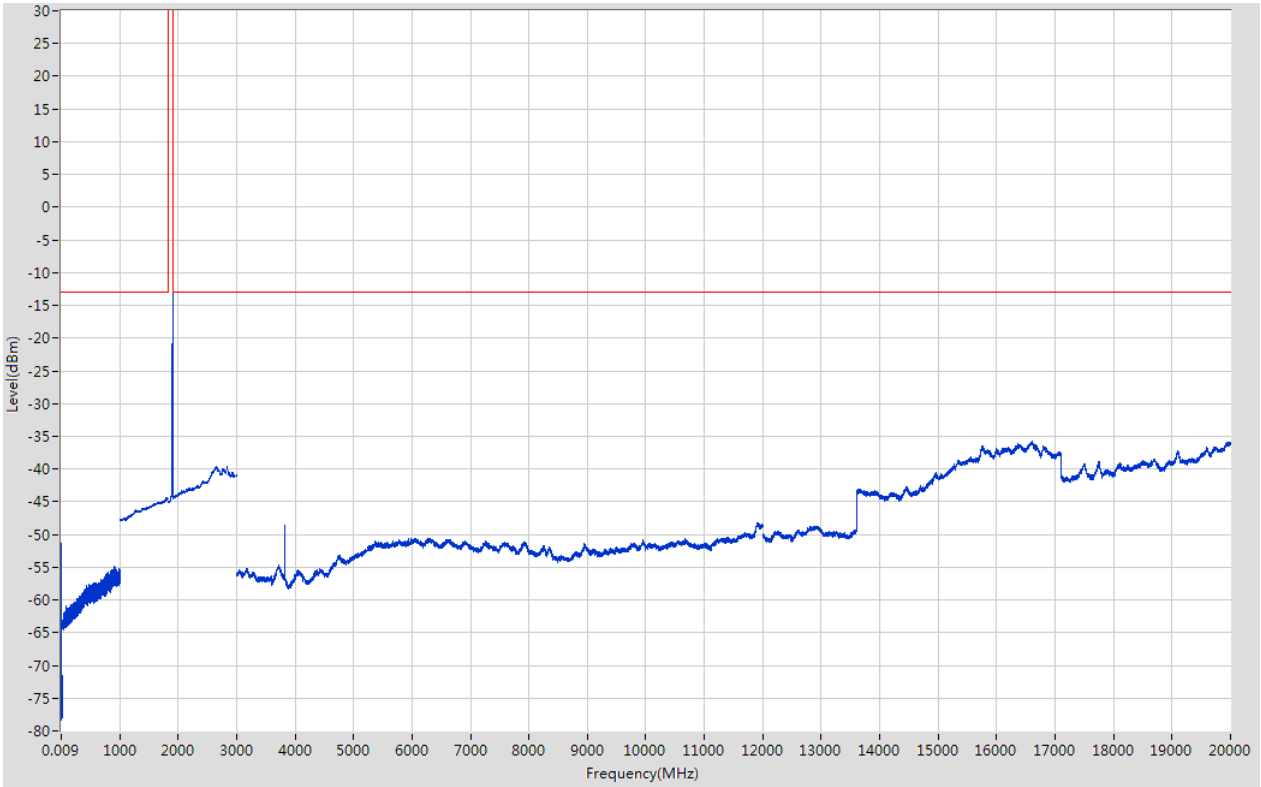
## 1.57. LTE Transmitter Spurious Emissions(NTNV)(Subtest:57, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52.16 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -51.11 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 936.393 | -55.12 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.43 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1895.85 | 22.54 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.56 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11910.99 | -48.22 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16602.575 | -35.75 | -13 | Pass | 8000 |



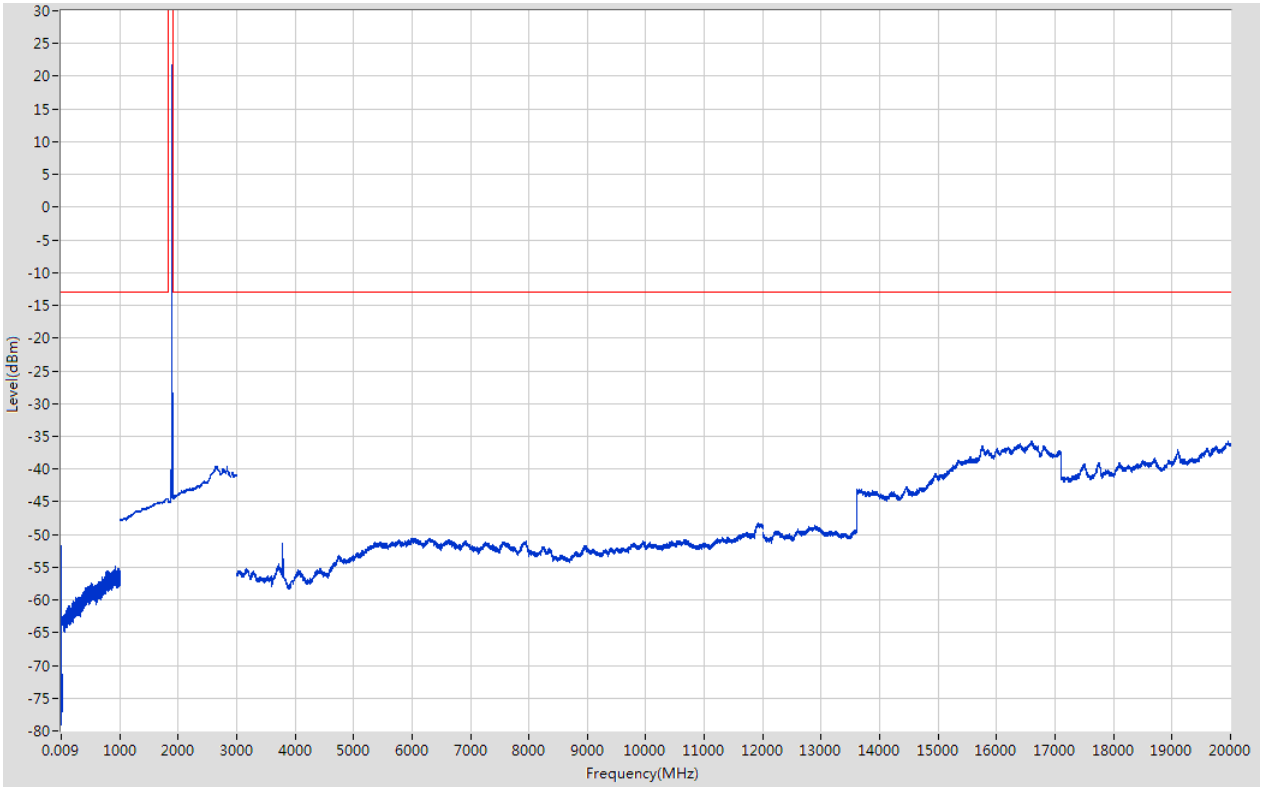
## 1.58. LTE Transmitter Spurious Emissions(NTNV)(Subtest:58, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | 0.012 | -53.71 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.35 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 914.391 | -54.89 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1804.97 | -44.4 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.2 | 22.54 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.63 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11927.992 | -48.15 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16601.575 | -35.69 | -13 | Pass | 8000 |



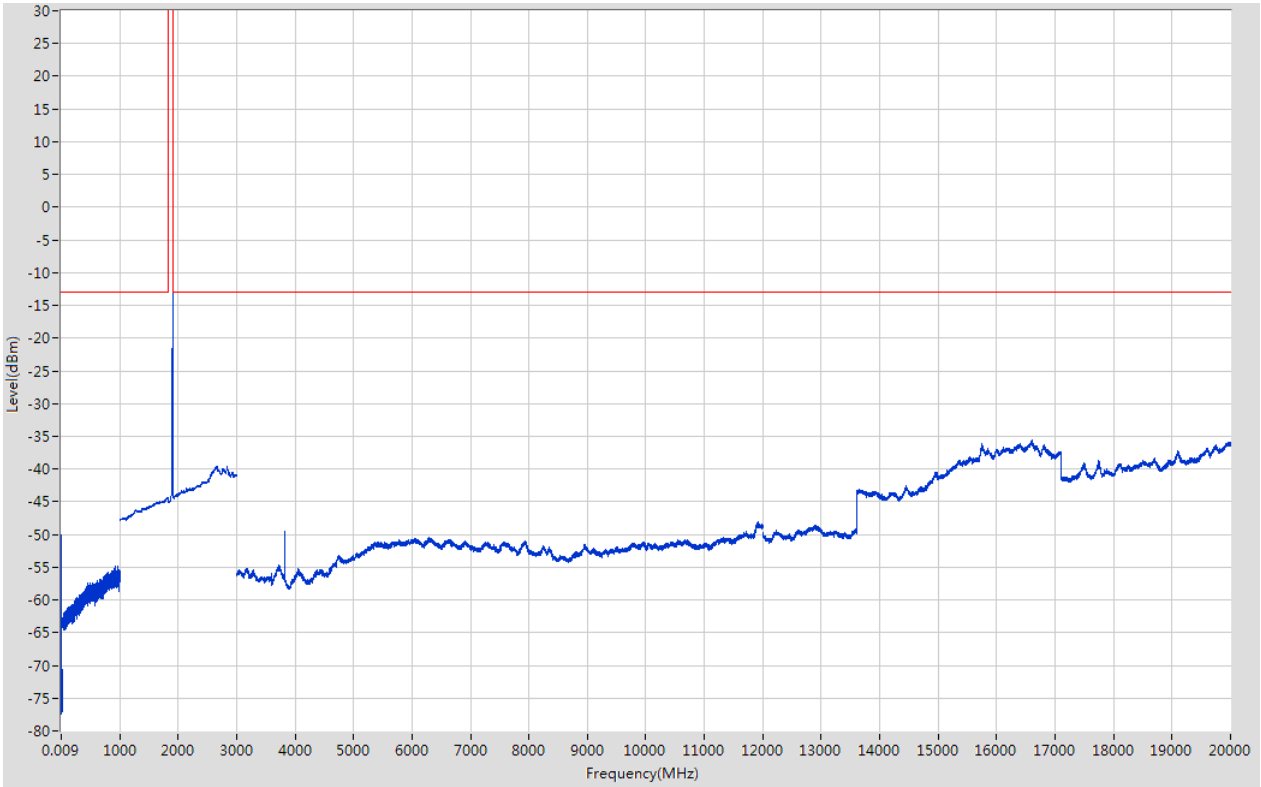
## 1.59. LTE Transmitter Spurious Emissions(NTNV)(Subtest:59, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -53.28 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.66 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 935.193 | -54.84 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1895.85 | 21.77 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.61 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11920.991 | -48.22 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16606.576 | -35.67 | -13 | Pass | 8000 |



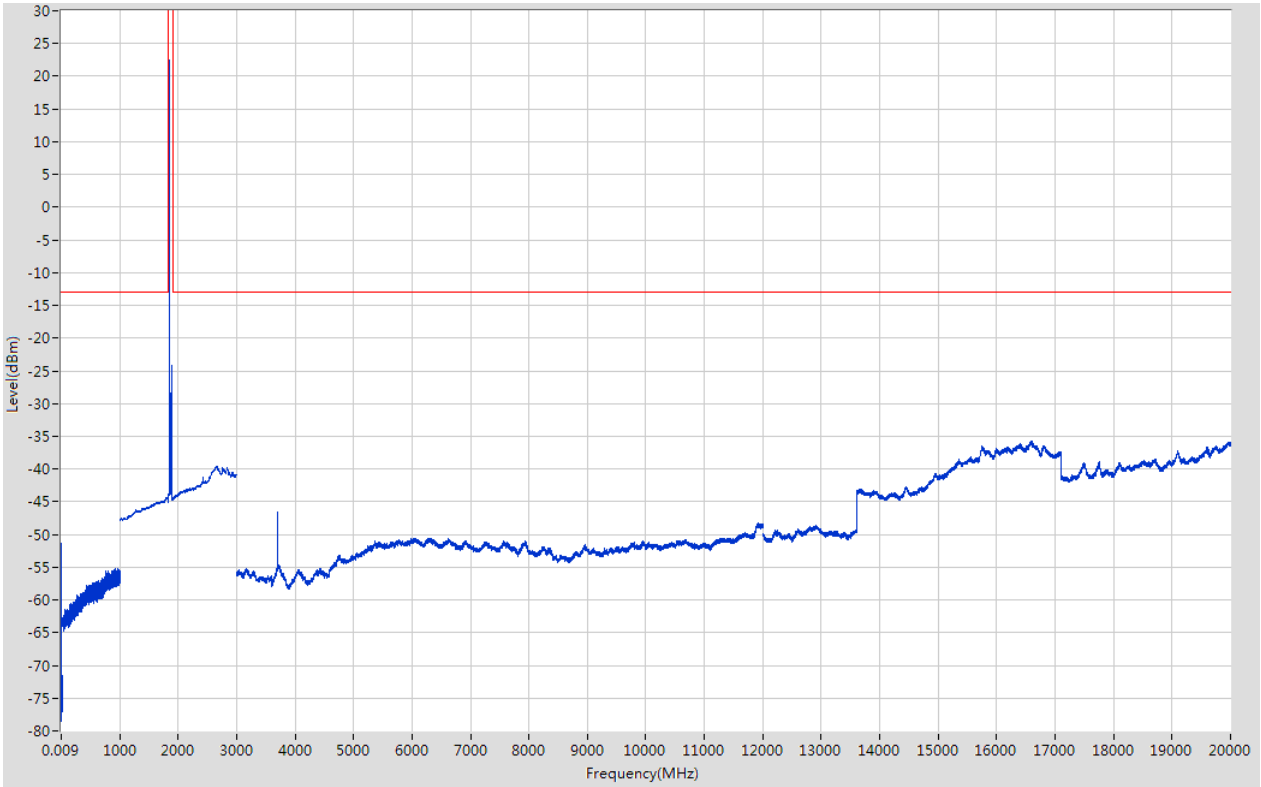
## 1.60. LTE Transmitter Spurious Emissions(NTNV)(Subtest:60, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -52.78 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.03 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 957.496 | -54.84 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1822.992 | -44.41 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1909.2 | 21.73 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11930.992 | -48.13 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16602.575 | -35.57 | -13 | Pass | 8000 |



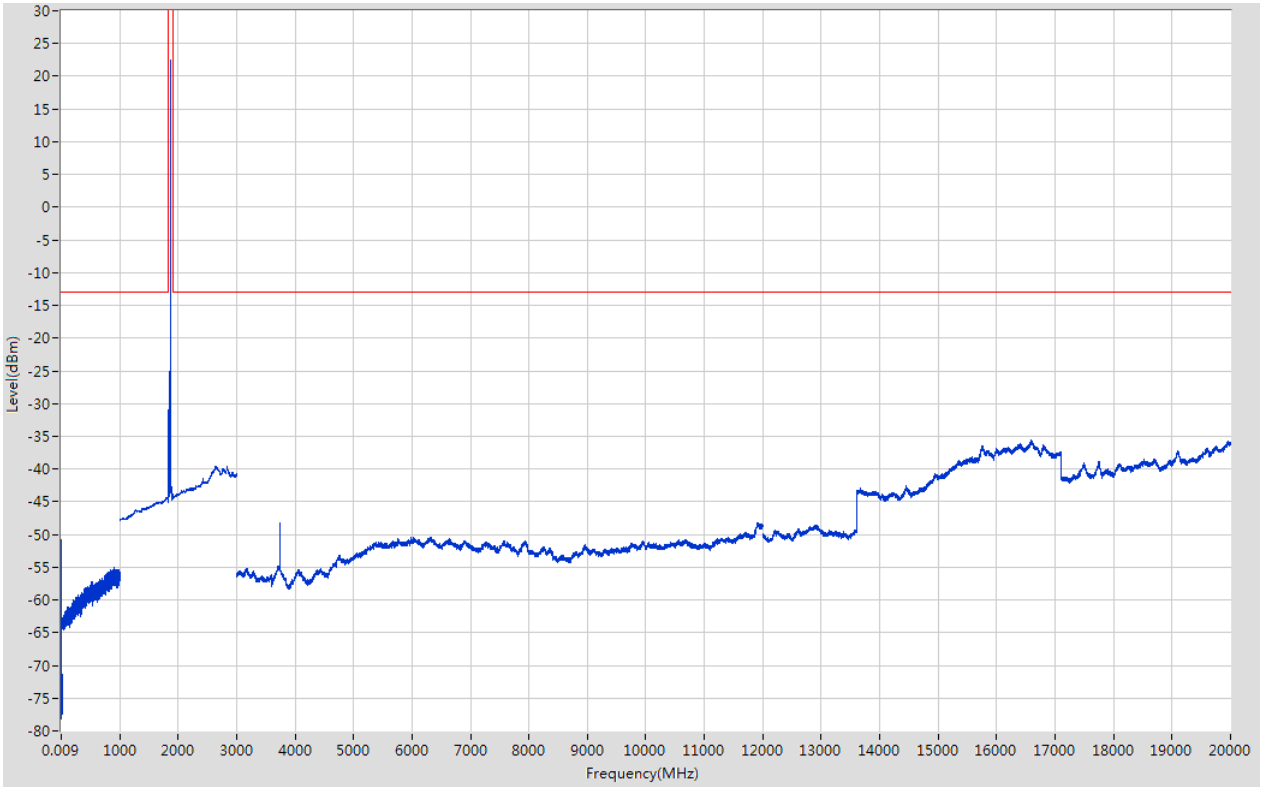
## 1.61. LTE Transmitter Spurious Emissions(NTNV)(Subtest:61, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | 0.011 | -52.77 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.39 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 972.997 | -55.16 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1815.983 | -44.4 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1851.15 | 22.5 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3702.078 | -46.63 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.75 | -13 | Pass | 8000 |



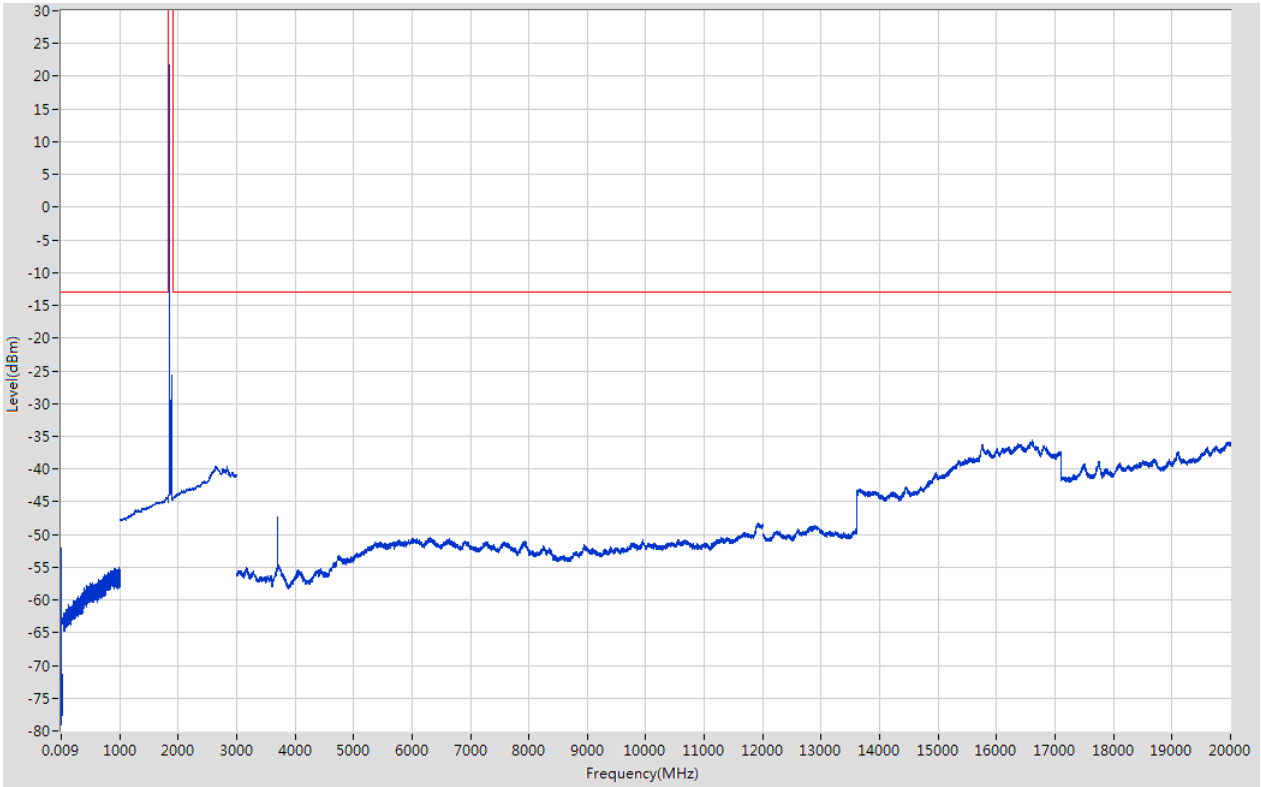
## 1.62. LTE Transmitter Spurious Emissions(NTNV)(Subtest:62, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.76 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -50.88 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 903.29 | -55.07 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1828.999 | -44.41 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1868.85 | 22.45 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.59 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11915.991 | -48.22 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16596.575 | -35.65 | -13 | Pass | 8000 |



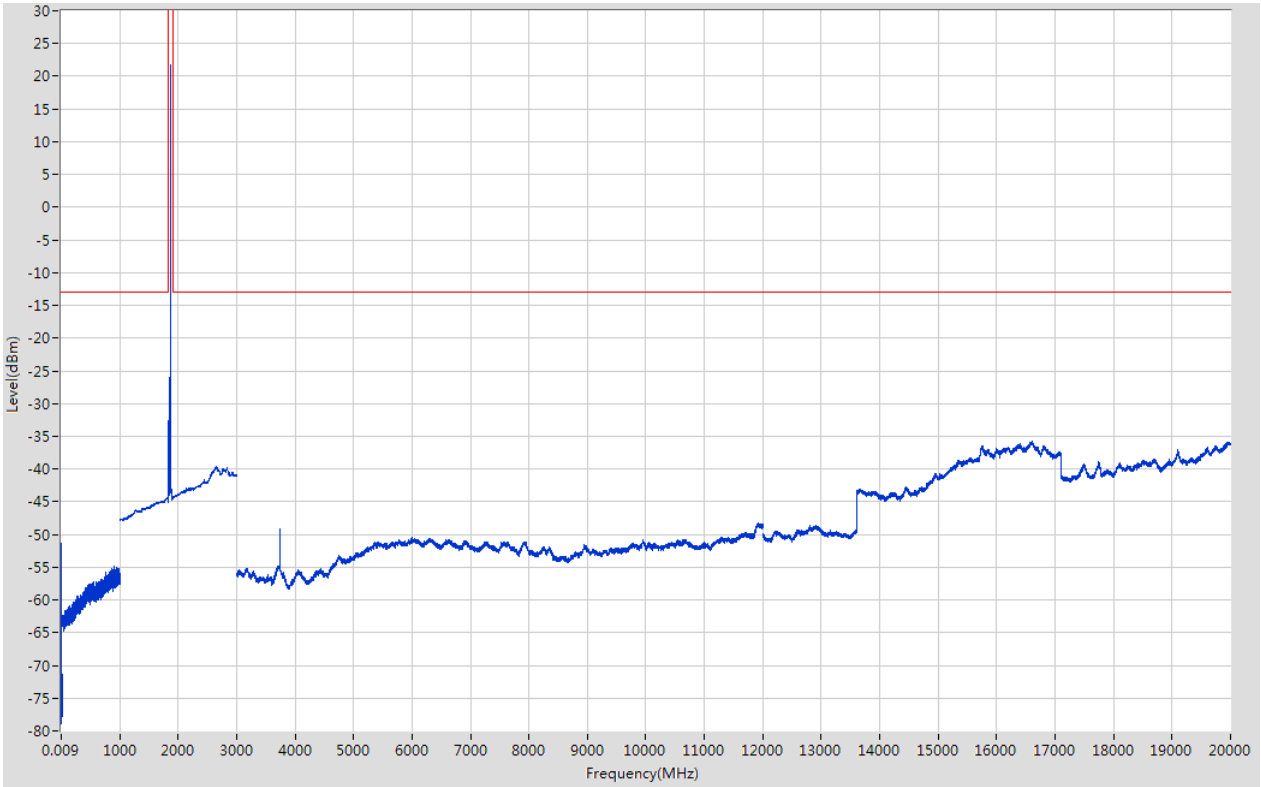
## 1.63. LTE Transmitter Spurious Emissions(NTNV)(Subtest:63, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -52.12 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 984.598 | -55.04 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1792.955 | -44.43 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1851.15 | 21.69 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.53 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3702.078 | -47.36 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.62 | -13 | Pass | 8000 |



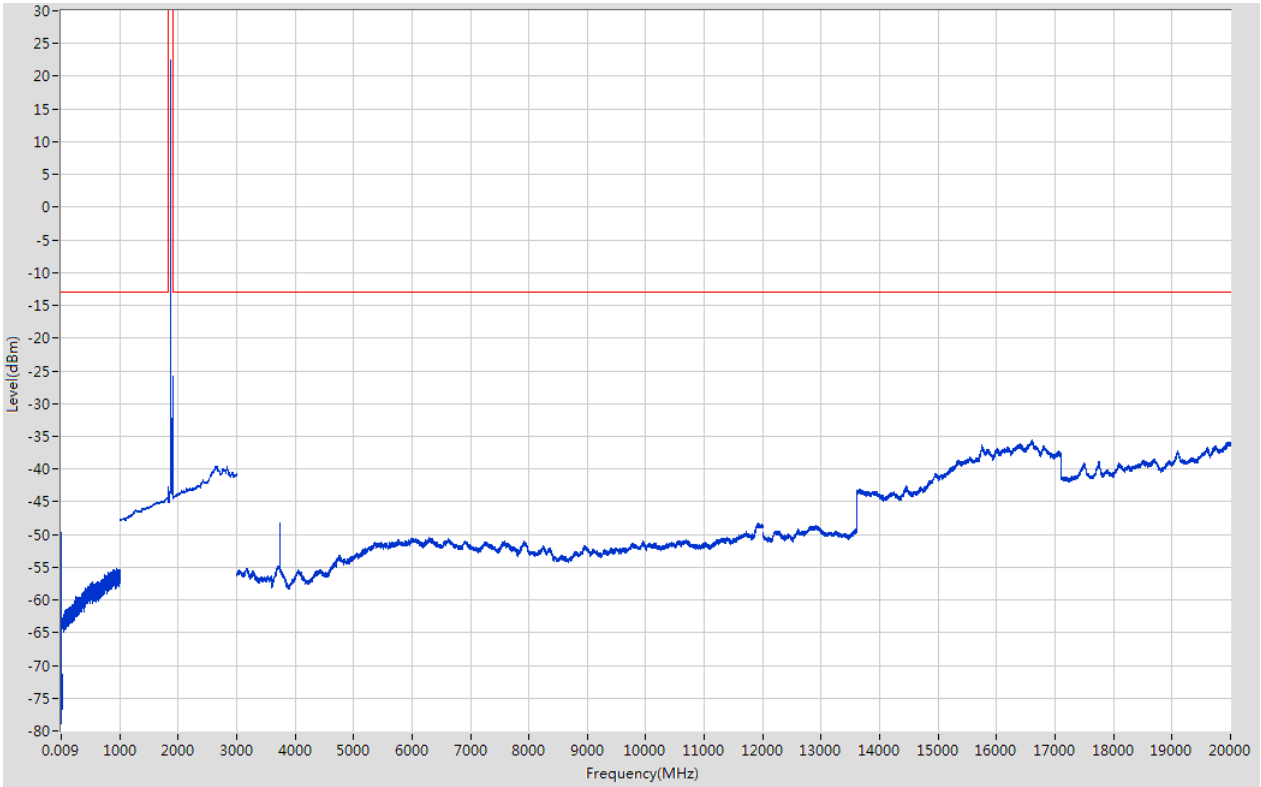
## 1.64. LTE Transmitter Spurious Emissions(NTNV)(Subtest:64, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | 0.013 | -53.05 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.31 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 905.69 | -54.93 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1868.85 | 21.68 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.57 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11912.99 | -48.19 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16600.575 | -35.72 | -13 | Pass | 8000 |



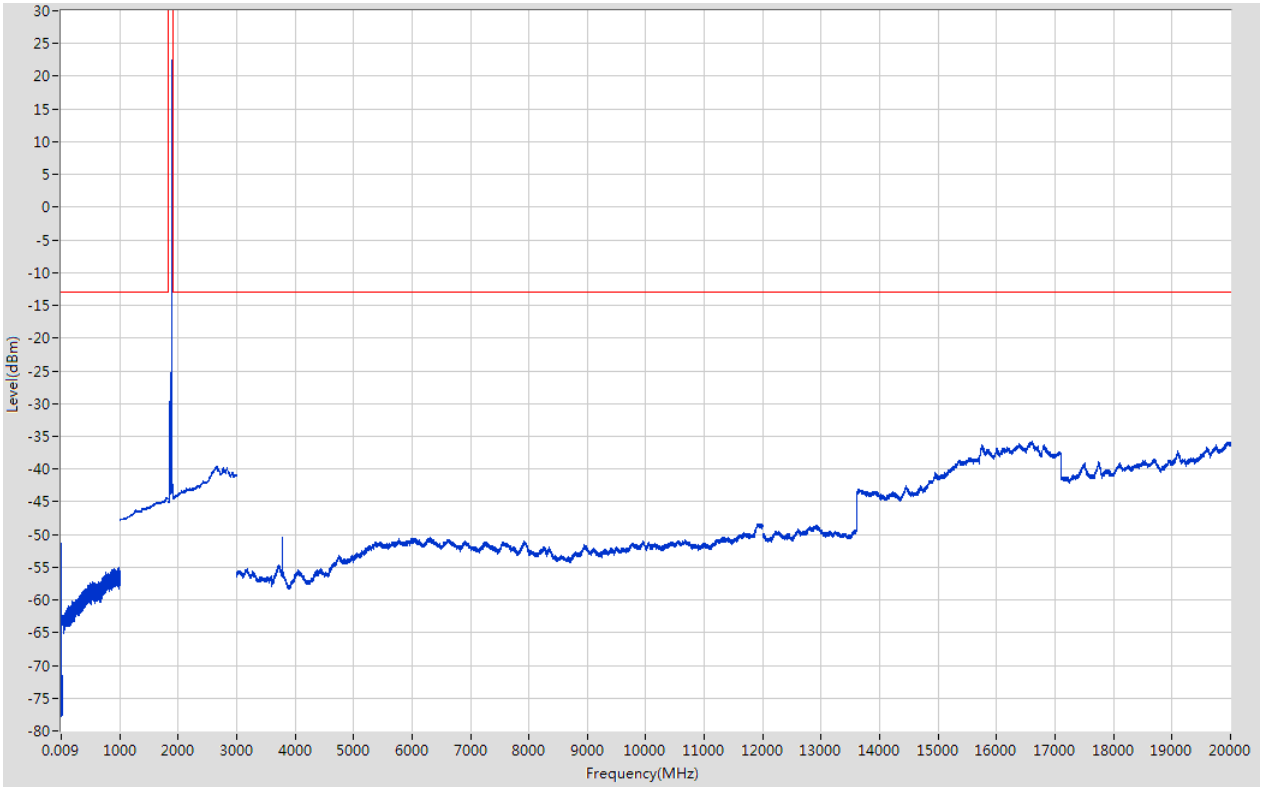
## 1.65. LTE Transmitter Spurious Emissions(NTNV)(Subtest:65, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | -52.52 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -49.69 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 939.494 | -55.2 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1828.999 | -44.42 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1871.1 | 22.55 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2838.851 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 3742.082 | -48.19 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.65 | -13 | Pass | 8000 |



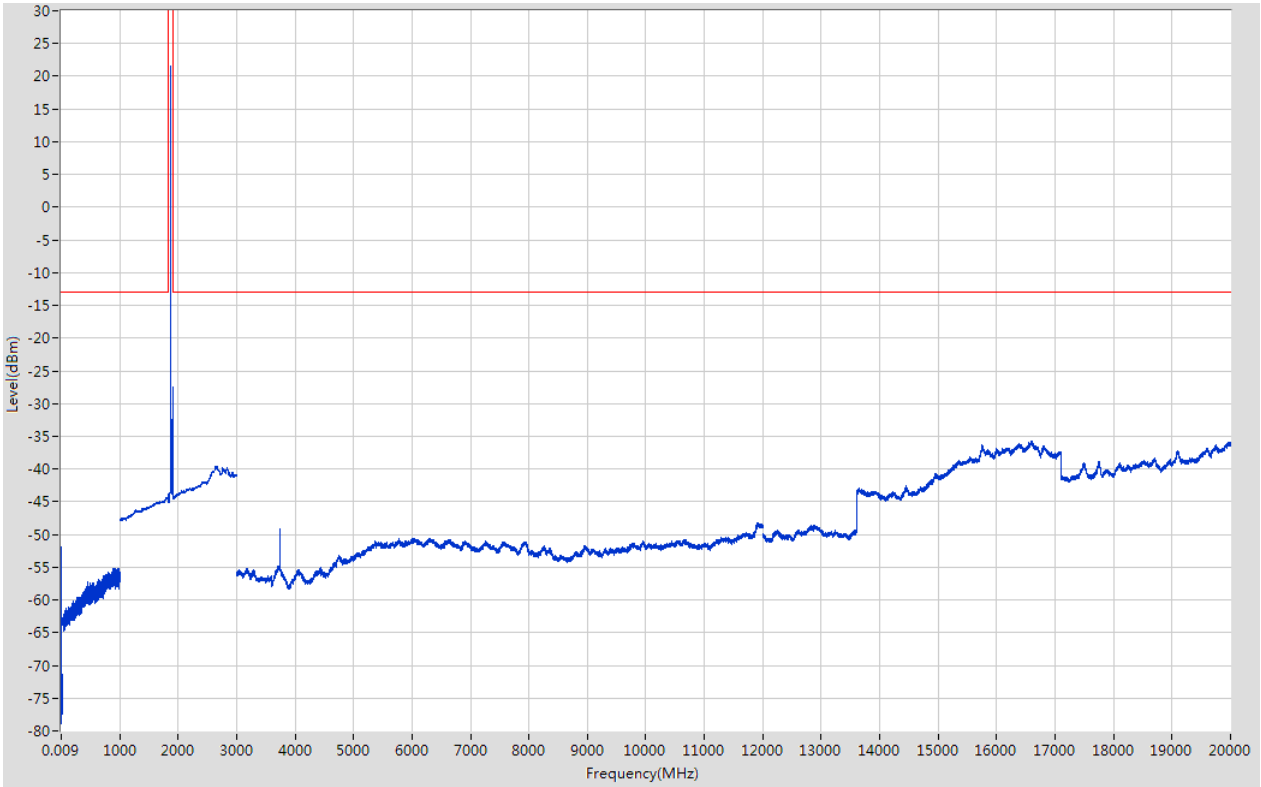
## 1.66. LTE Transmitter Spurious Emissions(NTNV)(Subtest:66, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -52.53 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.43 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 994.599 | -54.98 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1794.958 | -44.41 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1888.95 | 22.44 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2661.687 | -39.6 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11904.989 | -48.33 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16598.575 | -35.67 | -13 | Pass | 8000 |



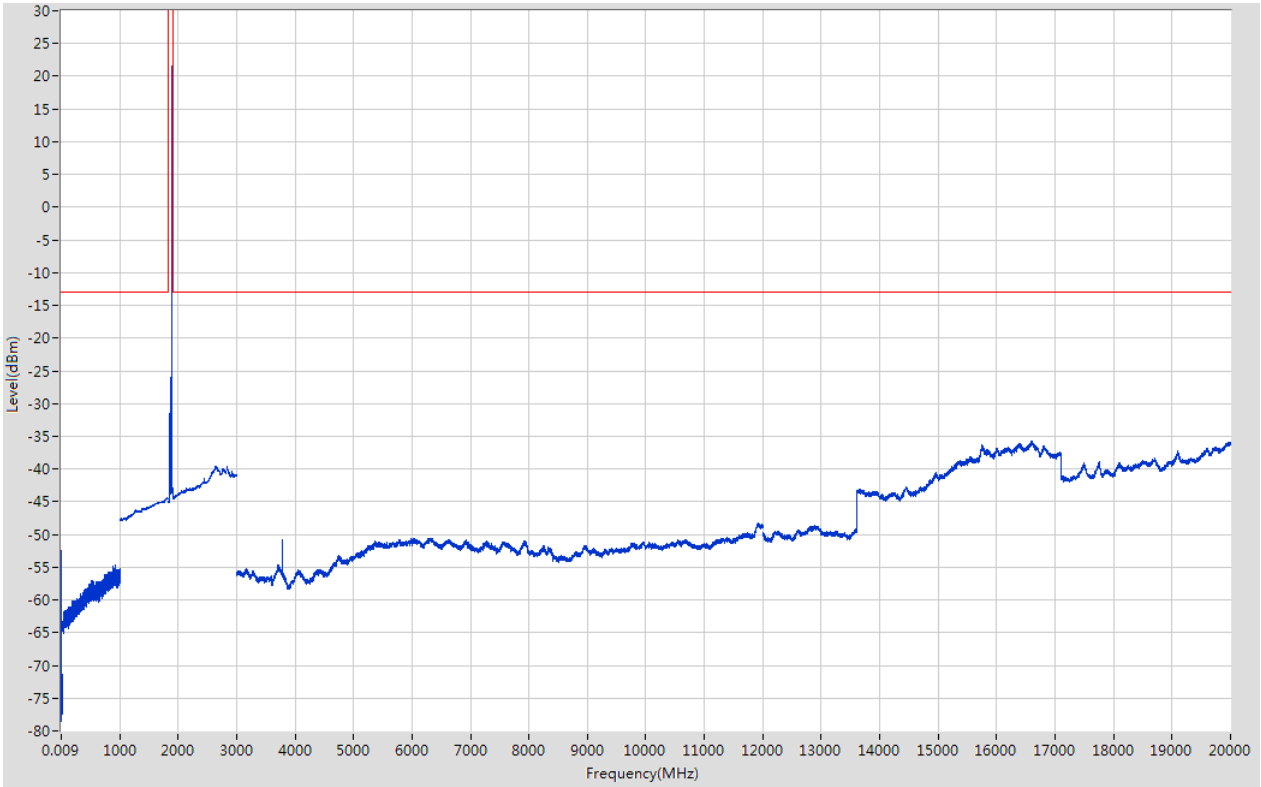
## 1.67. LTE Transmitter Spurious Emissions(NTNV)(Subtest:67, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | -52.17 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.99 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 906.19 | -55.12 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1797.961 | -44.44 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1871.1 | 21.62 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2660.686 | -39.55 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11920.991 | -48.23 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16601.575 | -35.68 | -13 | Pass | 8000 |



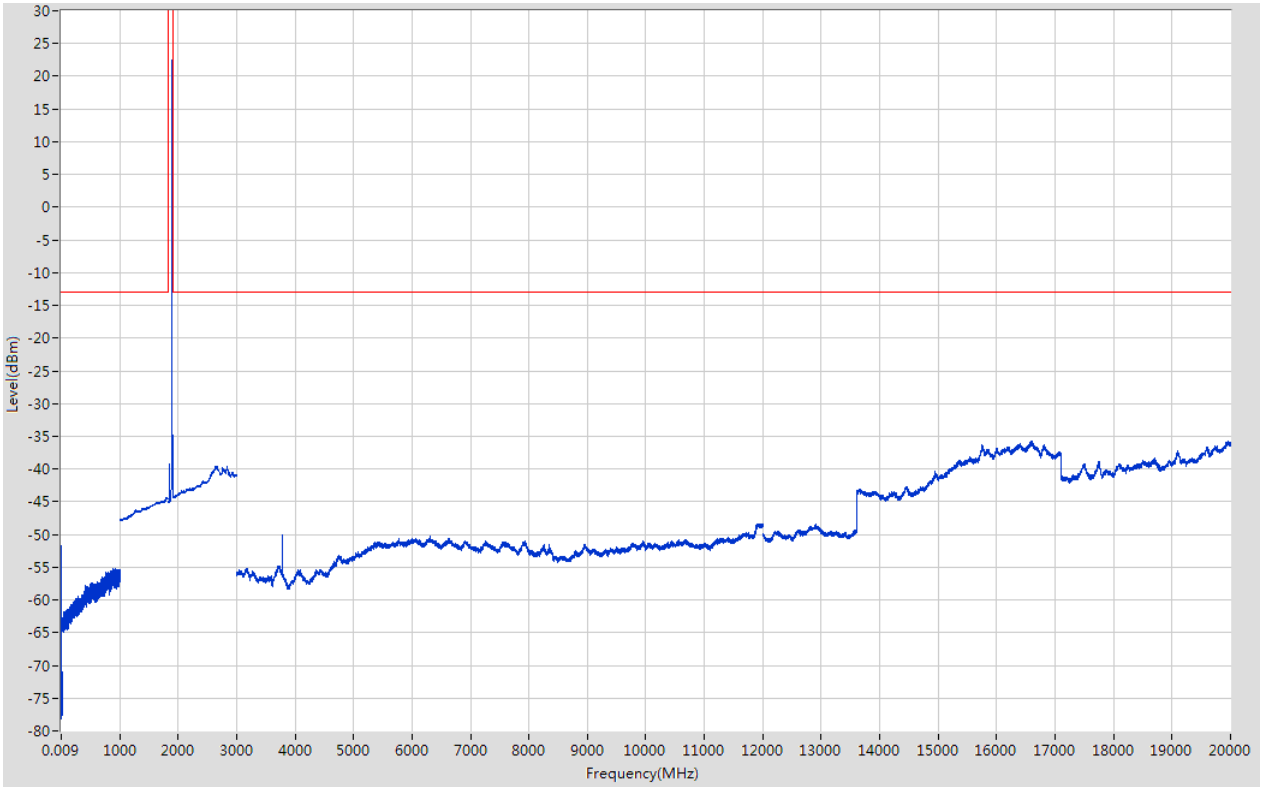
## 1.68. LTE Transmitter Spurious Emissions(NTNV)(Subtest:68, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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 | -53.46 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.54 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 934.893 | -54.73 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1808.975 | -44.45 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1888.95 | 21.51 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2658.684 | -39.55 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11918.991 | -48.26 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16599.575 | -35.73 | -13 | Pass | 8000 |



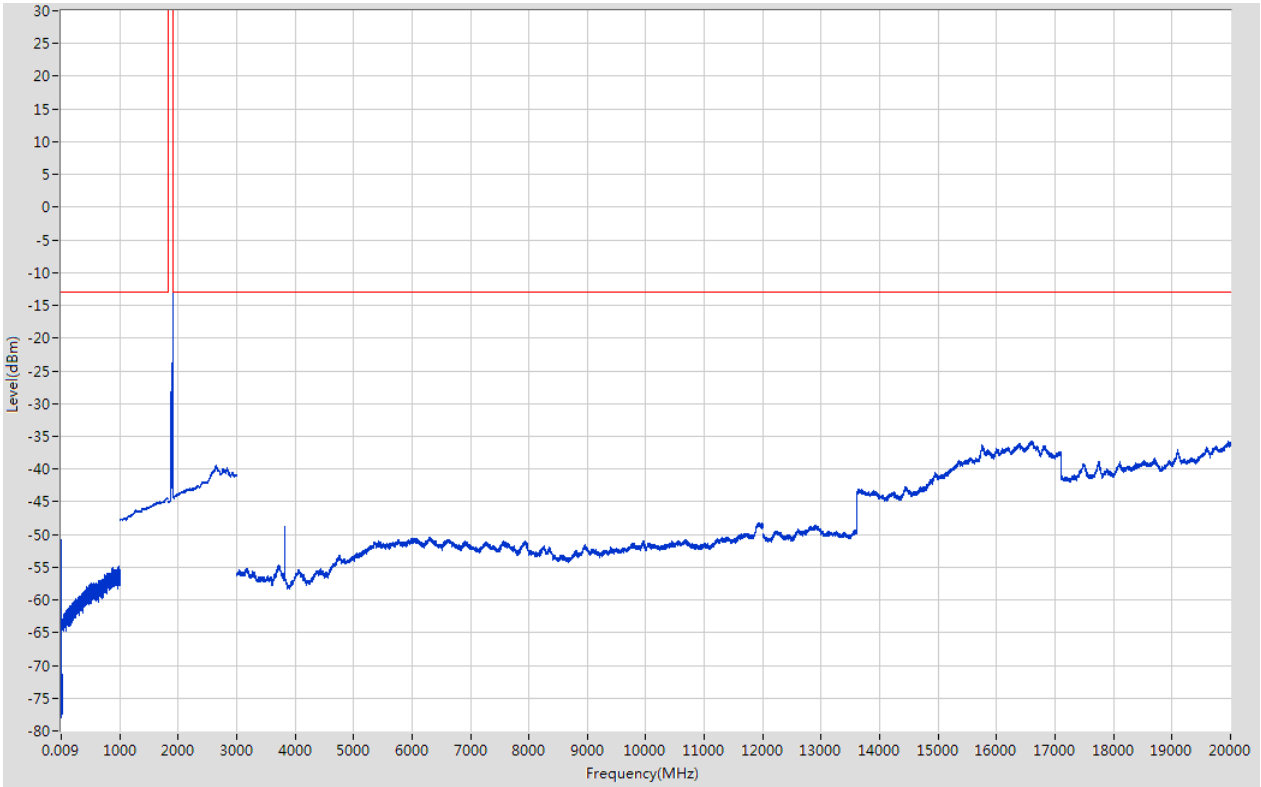
## 1.69. LTE Transmitter Spurious Emissions(NTNV)(Subtest:69, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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 | 0.012 | -53.09 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.74 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 933.493 | -55.25 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1807.973 | -44.4 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1891.05 | 22.45 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2662.688 | -39.56 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11933.993 | -48.33 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16594.574 | -35.67 | -13 | Pass | 8000 |



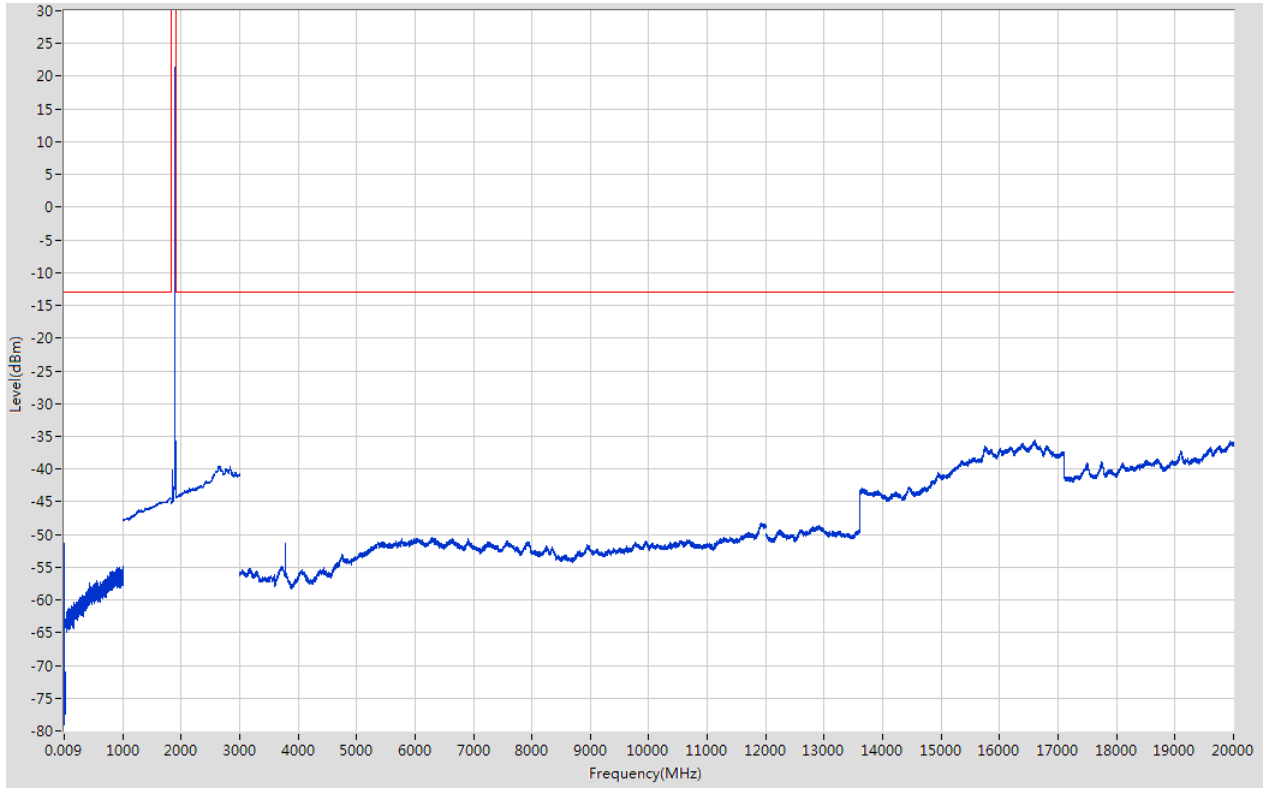
## 1.70. LTE Transmitter Spurious Emissions(NTNV)(Subtest:70, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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 | -53.39 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -50.73 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 992.399 | -54.93 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1805.971 | -44.46 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1908.9 | 22.38 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.5 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11912.99 | -48.26 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16603.575 | -35.69 | -13 | Pass | 8000 |



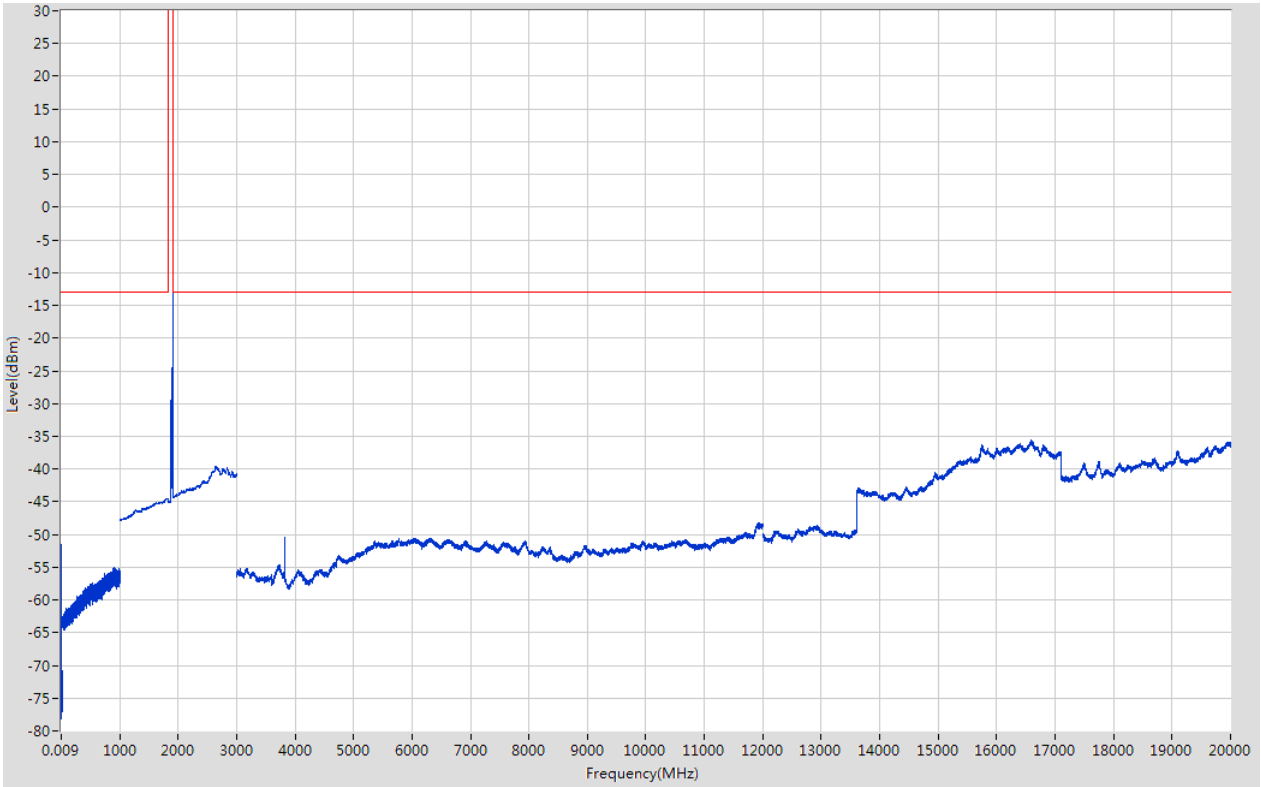
## 1.71. LTE Transmitter Spurious Emissions(NTNV)(Subtest:71, Channel:19100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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 | 0.011 | -51.41 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.28 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 999.9 | -54.85 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1811.978 | -44.43 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1891.05 | 21.39 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.55 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11914.991 | -48.17 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16604.576 | -35.55 | -13 | Pass | 8000 |



## 1.72. LTE Transmitter Spurious Emissions(NTNV)(Subtest:72, Channel:19100, Bandwidth:20, 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 | -52.44 | -13 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.57 | -13 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 909.891 | -55.11 | -13 | Pass | 9700 |
| 1000 | 1830 | 1 | RMS | 1810.977 | -44.47 | -13 | Pass | 830 |
| 1830 | 1920 | 1 | RMS | 1908.9 | 21.49 | 60 | Pass | 601 |
| 1920 | 3000 | 1 | RMS | 2659.685 | -39.54 | -13 | Pass | 1080 |
| 3000 | 12000 | 1 | RMS | 11934.993 | -48.2 | -13 | Pass | 9000 |
| 12000 | 20000 | 1 | RMS | 16594.574 | -35.53 | -13 | Pass | 8000 |



END