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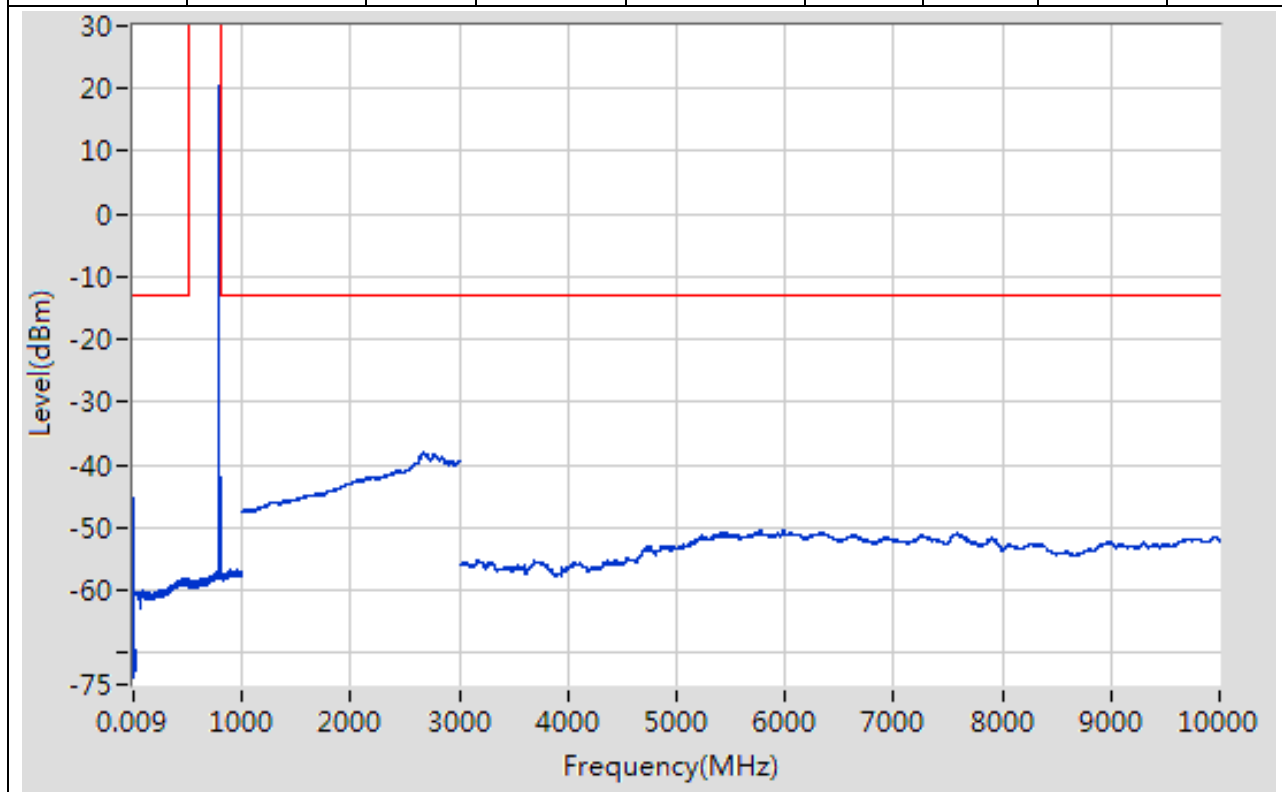
# Annex C. LTE Transmitter Spurious Emissions

Reference No.: WTD23D03064187W002

## 1. LTE\_Band14

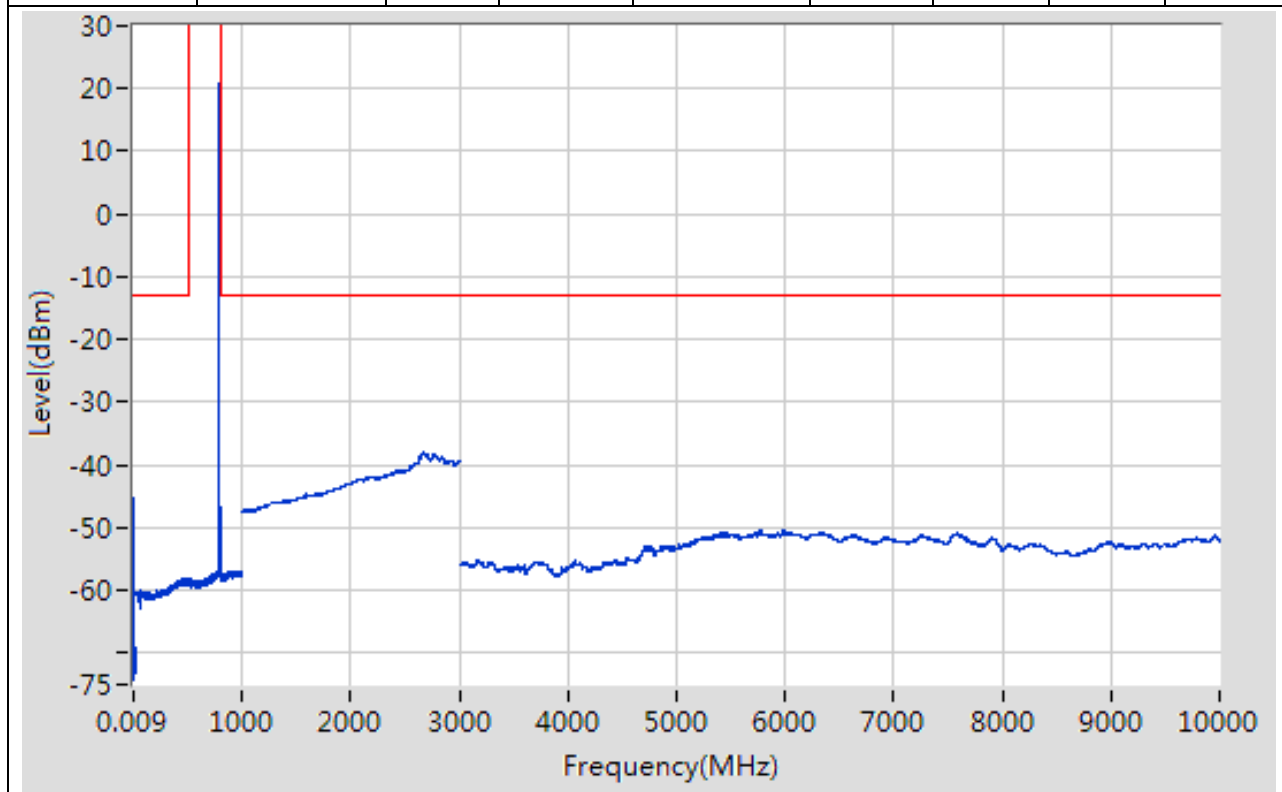
### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:23305, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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           | -48.8       | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -45.17      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 498.3           | -58.08      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 788.297         | 20.44       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 955.078         | -56.81      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2664.832        | -38.05      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5769.396        | -50.34      | -13         | Pass    | 7000        |



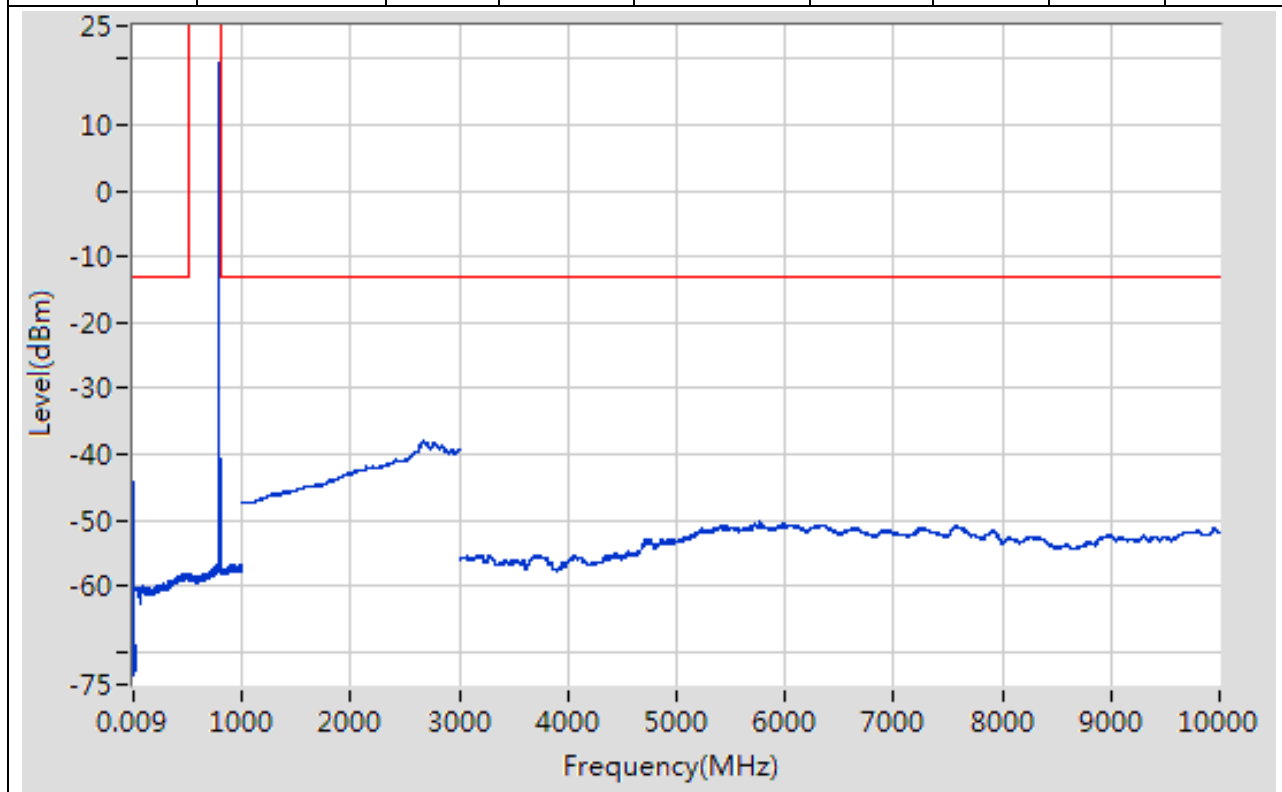
## 1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:23305, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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            | -49.57      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -45.39      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 499.9           | -57.98      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 792.698         | 20.67       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 801.302         | -56.55      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2666.833        | -38.07      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.34      | -13         | Pass    | 7000        |



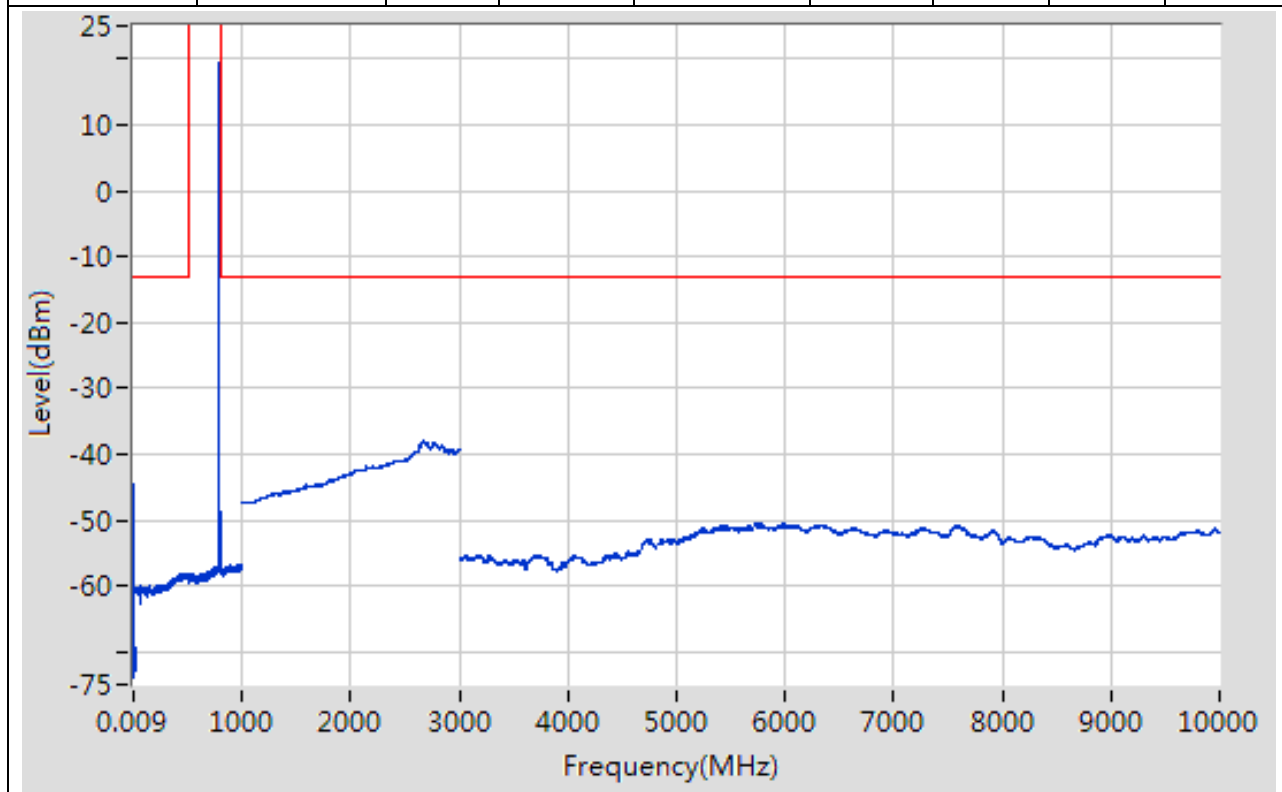
### 1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:23305, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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            | -48.64      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.32      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 498.9           | -58.07      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 788.297         | 19.33       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 995.498         | -56.92      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2668.834        | -38.06      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.35      | -13         | Pass    | 7000        |



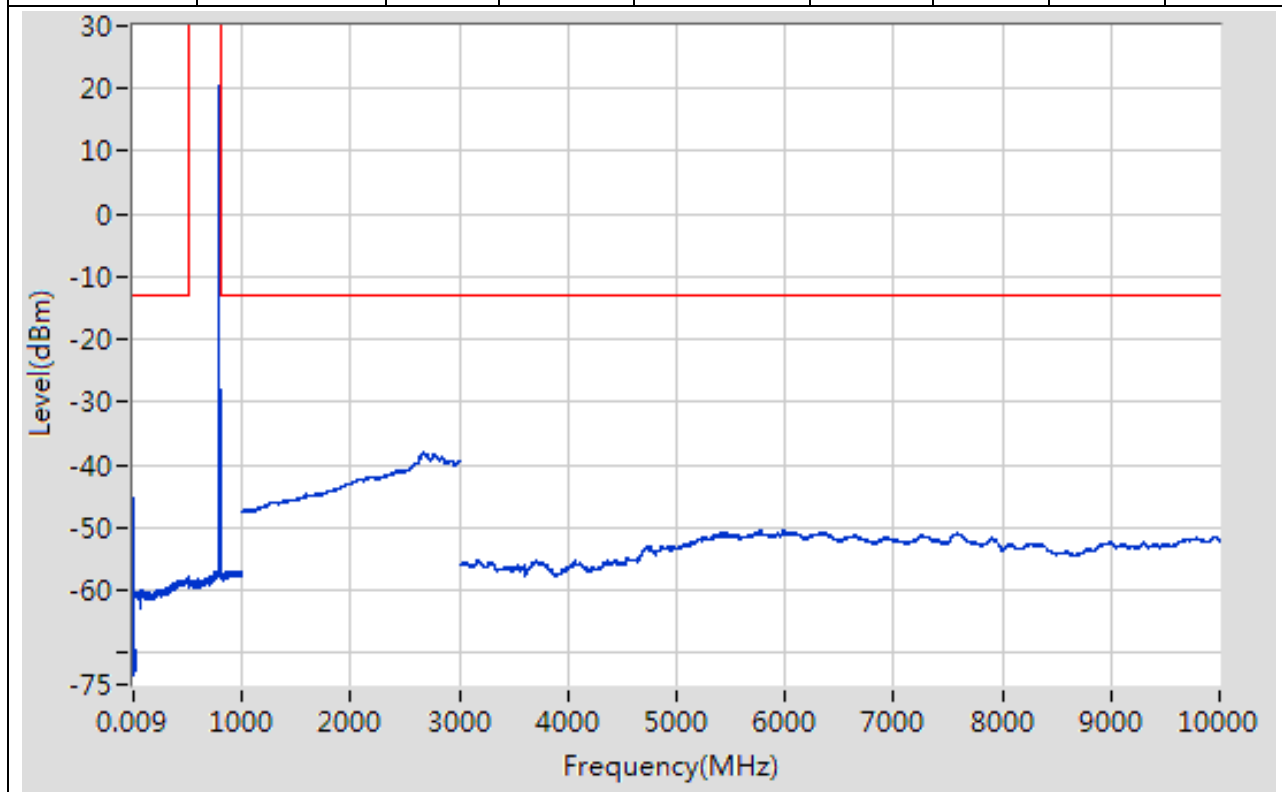
#### 1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:23305, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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            | -48.8       | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.51      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 497.499         | -58.05      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 792.698         | 19.46       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 980.39          | -56.89      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2666.833        | -38.07      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5771.396        | -50.37      | -13         | Pass    | 7000        |



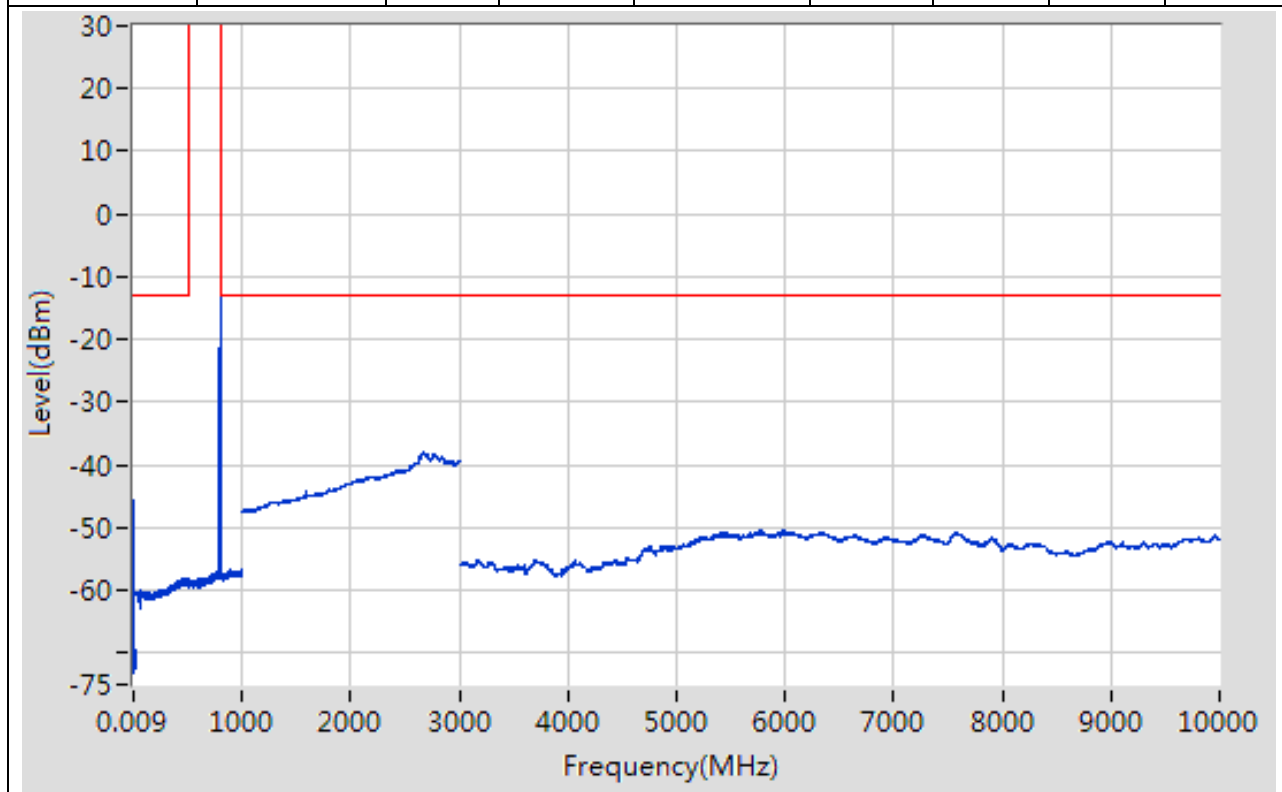
### 1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:23330, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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           | -48.52      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -45.44      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 499.7           | -57.92      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 790.798         | 20.6        | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 799.501         | -42.63      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2670.835        | -38.09      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5771.396        | -50.42      | -13         | Pass    | 7000        |



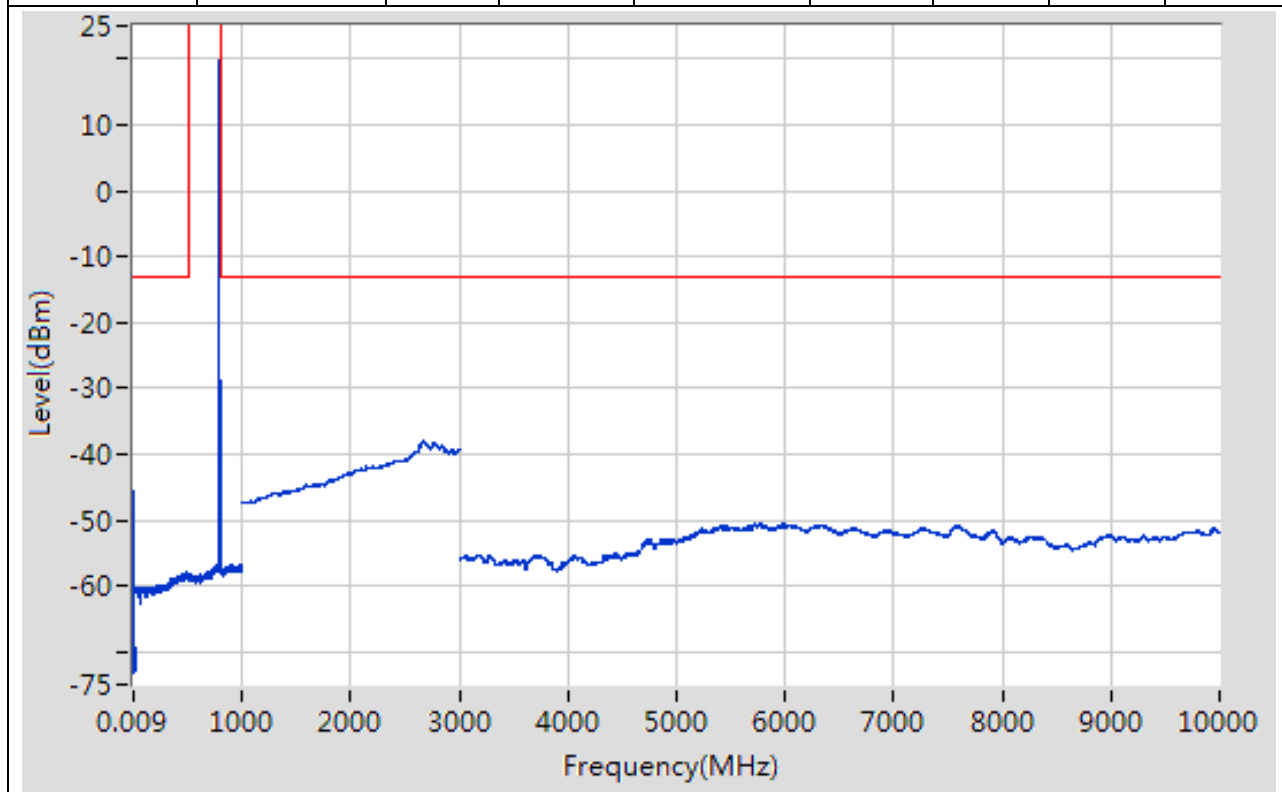
### 1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:23330, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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           | -48.72      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -45.46      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 498.8           | -58.08      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 795.199         | 20.91       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 799.501         | -44.52      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2666.833        | -38.06      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5771.396        | -50.41      | -13         | Pass    | 7000        |



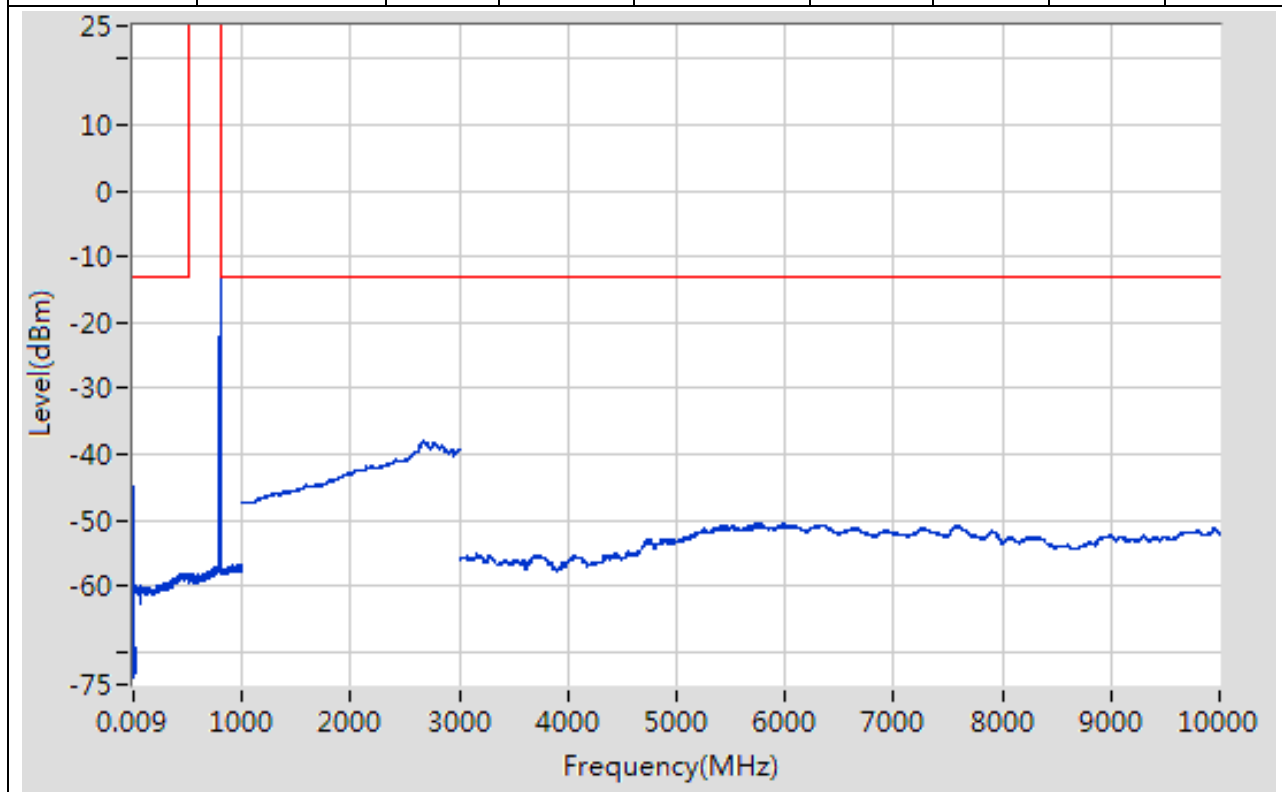
### 1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:23330, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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      | 0.011           | -49.09      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -45.6       | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 495.999         | -58.04      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 790.798         | 19.81       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 799.501         | -44.08      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2666.833        | -38.04      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5771.396        | -50.38      | -13         | Pass    | 7000        |



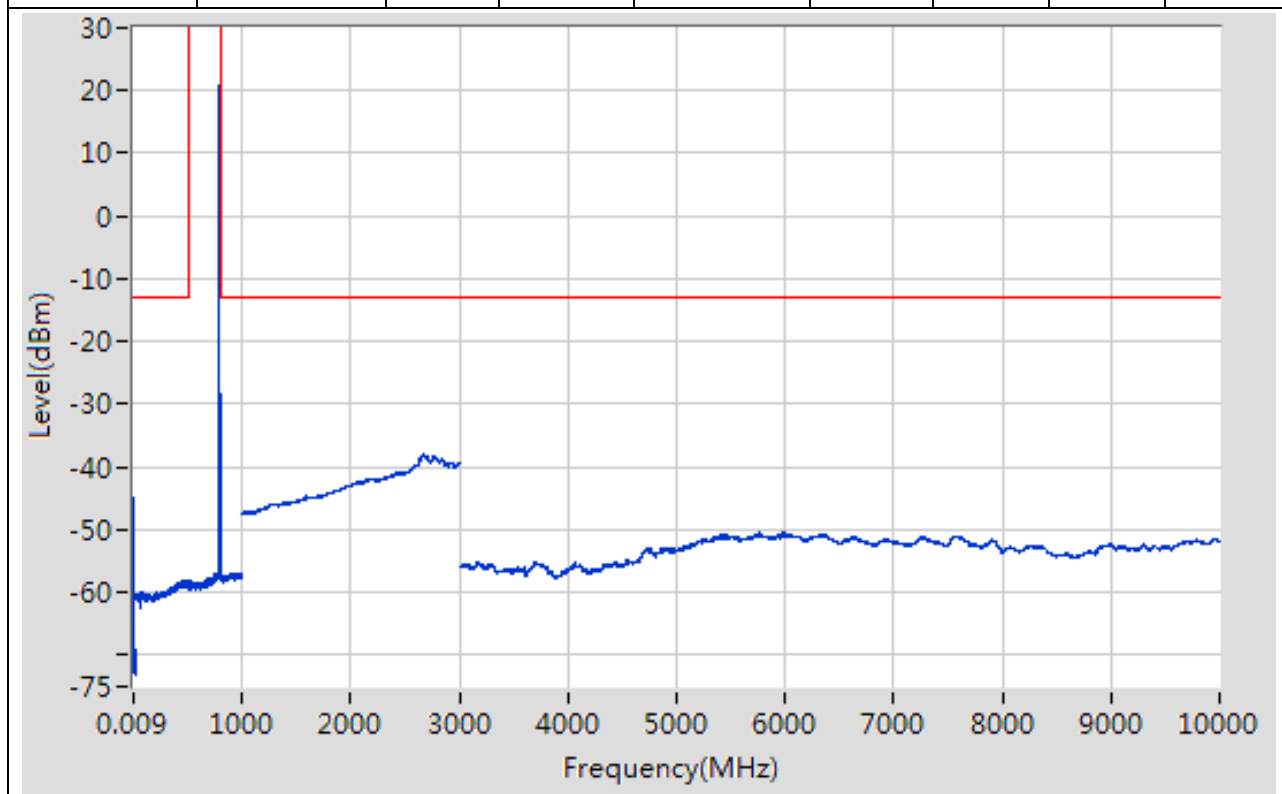
### 1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:23330, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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           | -47.89      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.93      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 496.299         | -58.13      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 795.199         | 19.91       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 799.501         | -46.84      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2669.835        | -38.06      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.41      | -13         | Pass    | 7000        |



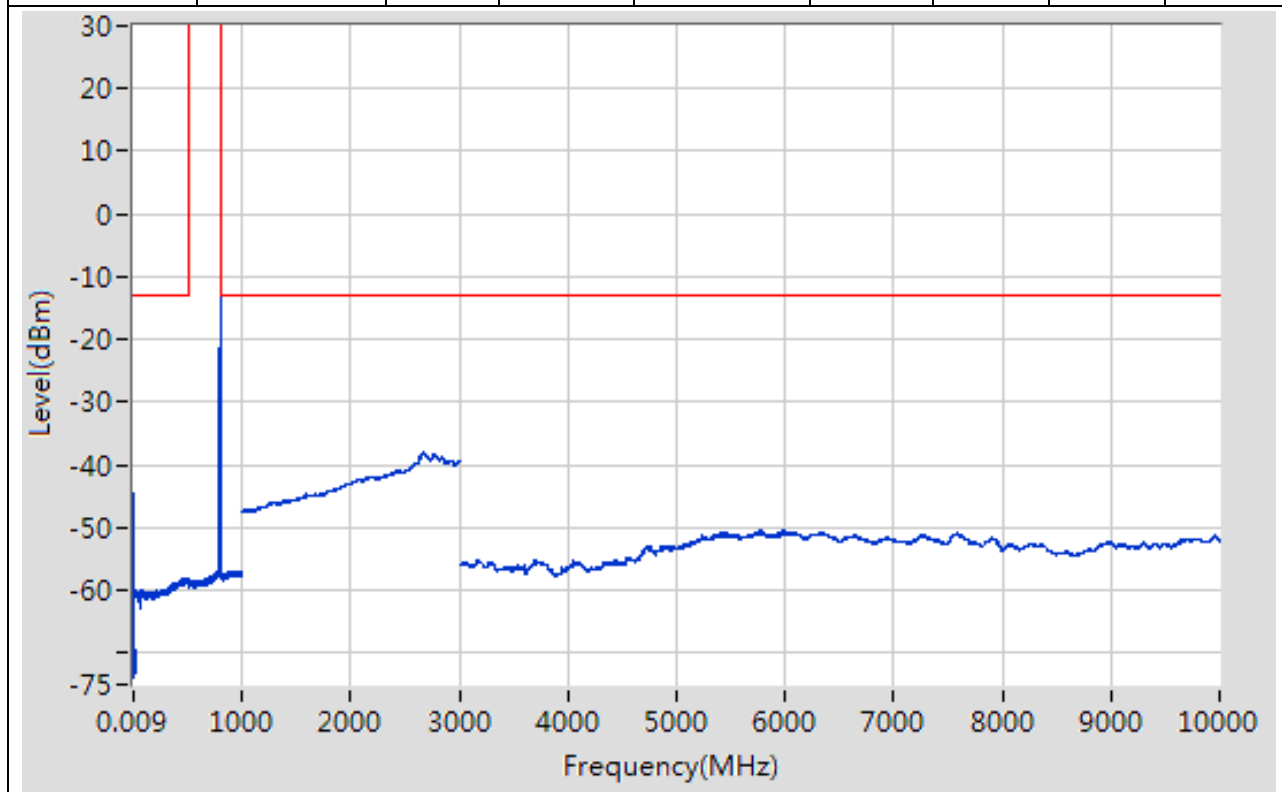
### 1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:23355, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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            | -49.57      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -45.04      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 495.899         | -58.07      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 793.298         | 20.74       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 802.002         | -43.84      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2669.835        | -38.04      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.39      | -13         | Pass    | 7000        |



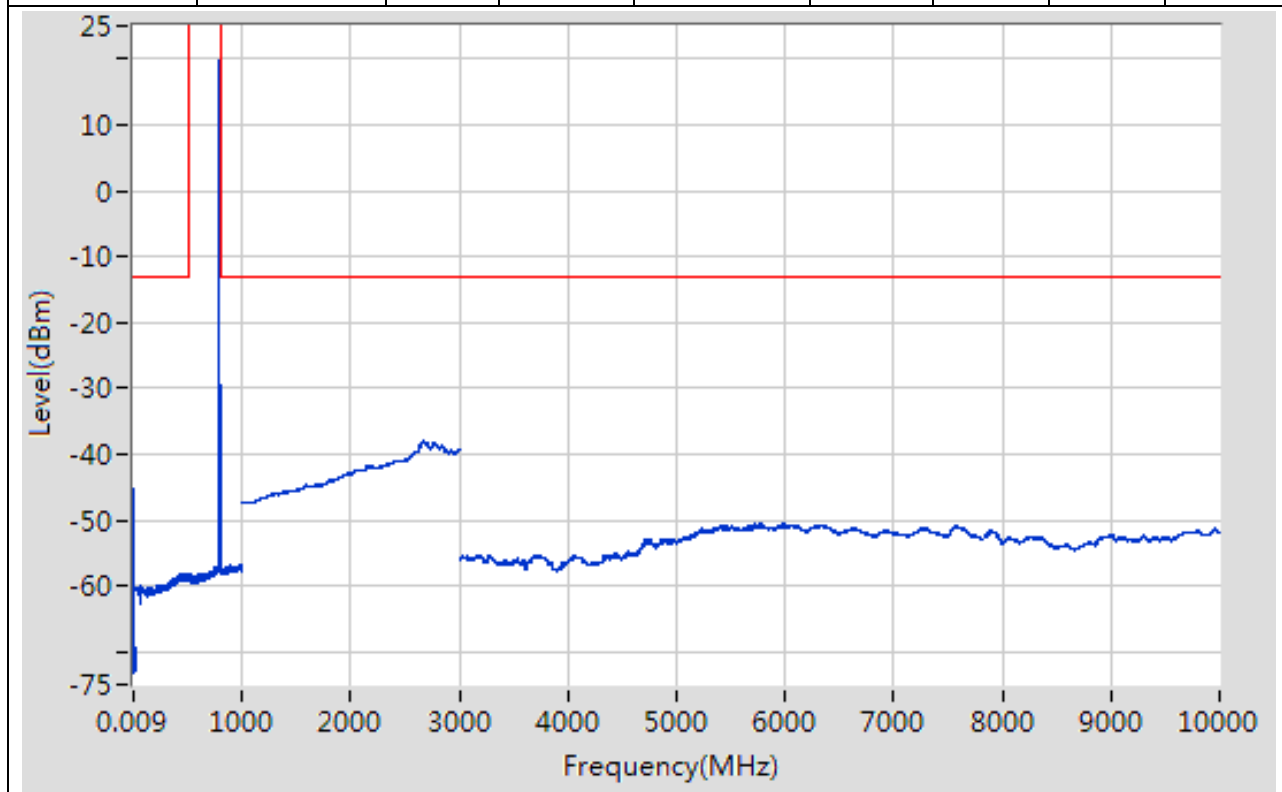
### 1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:23355, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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           | -48.25      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.65      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 497.7           | -58         | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 797.7           | 20.44       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 798             | -16.23      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2671.836        | -38.08      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.37      | -13         | Pass    | 7000        |



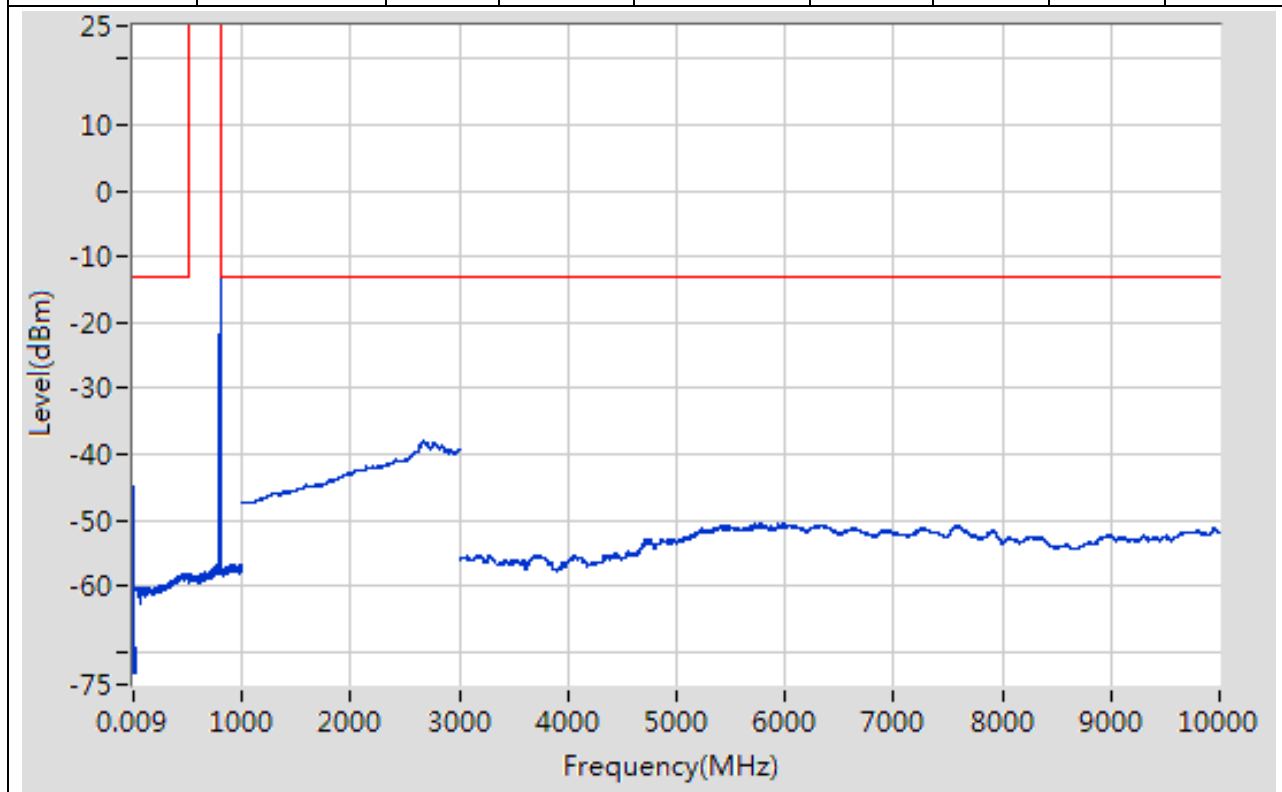
### 1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:23355, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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           | -48.9       | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -45.21      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 494.399         | -58.13      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 793.298         | 19.84       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 801.902         | -46.27      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2668.834        | -38.07      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5771.396        | -50.38      | -13         | Pass    | 7000        |



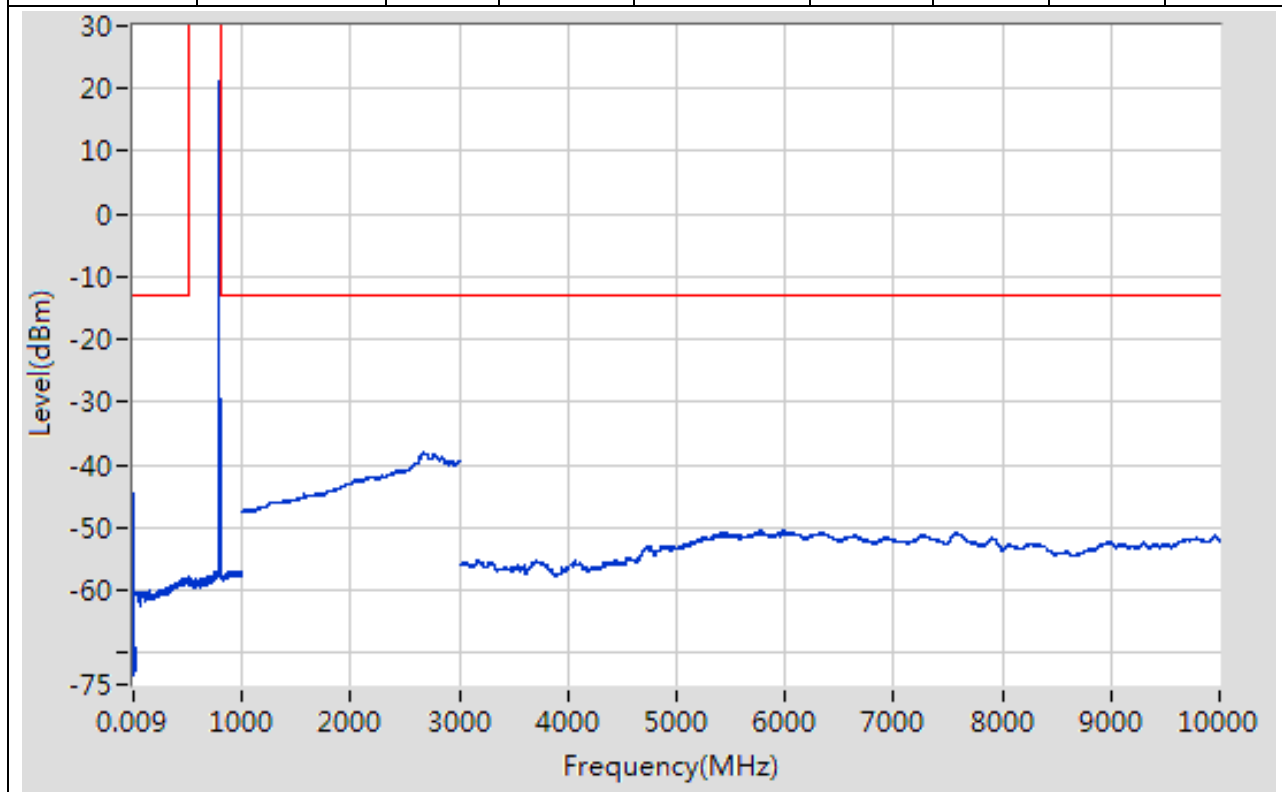
### 1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:23355, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

| 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            | -49.35      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.83      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 497.7           | -58.07      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 797.7           | 19.69       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 798             | -17.42      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2664.832        | -38.09      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5769.396        | -50.41      | -13         | Pass    | 7000        |



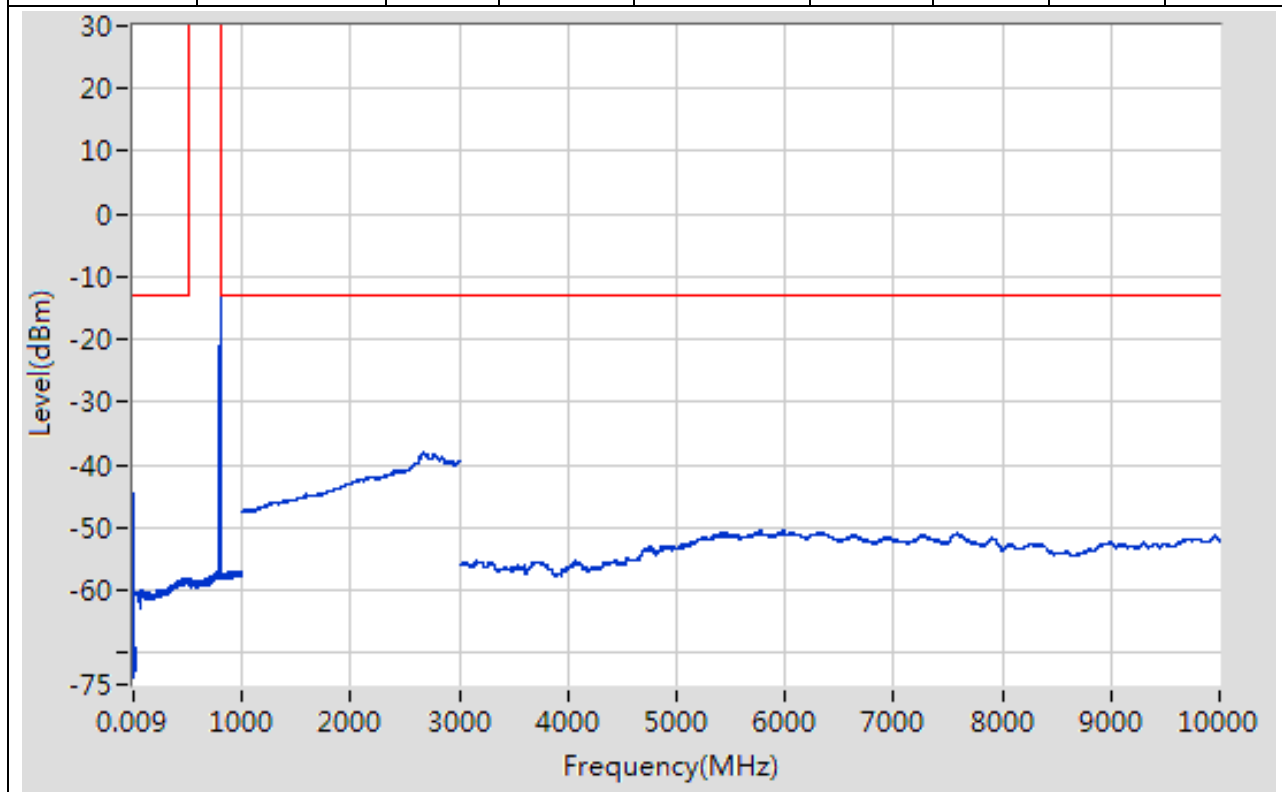
### 1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:23330, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 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           | -48.92      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.69      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 499.9           | -57.91      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 788.597         | 21.34       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 798             | -53.39      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2669.835        | -38.05      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.41      | -13         | Pass    | 7000        |



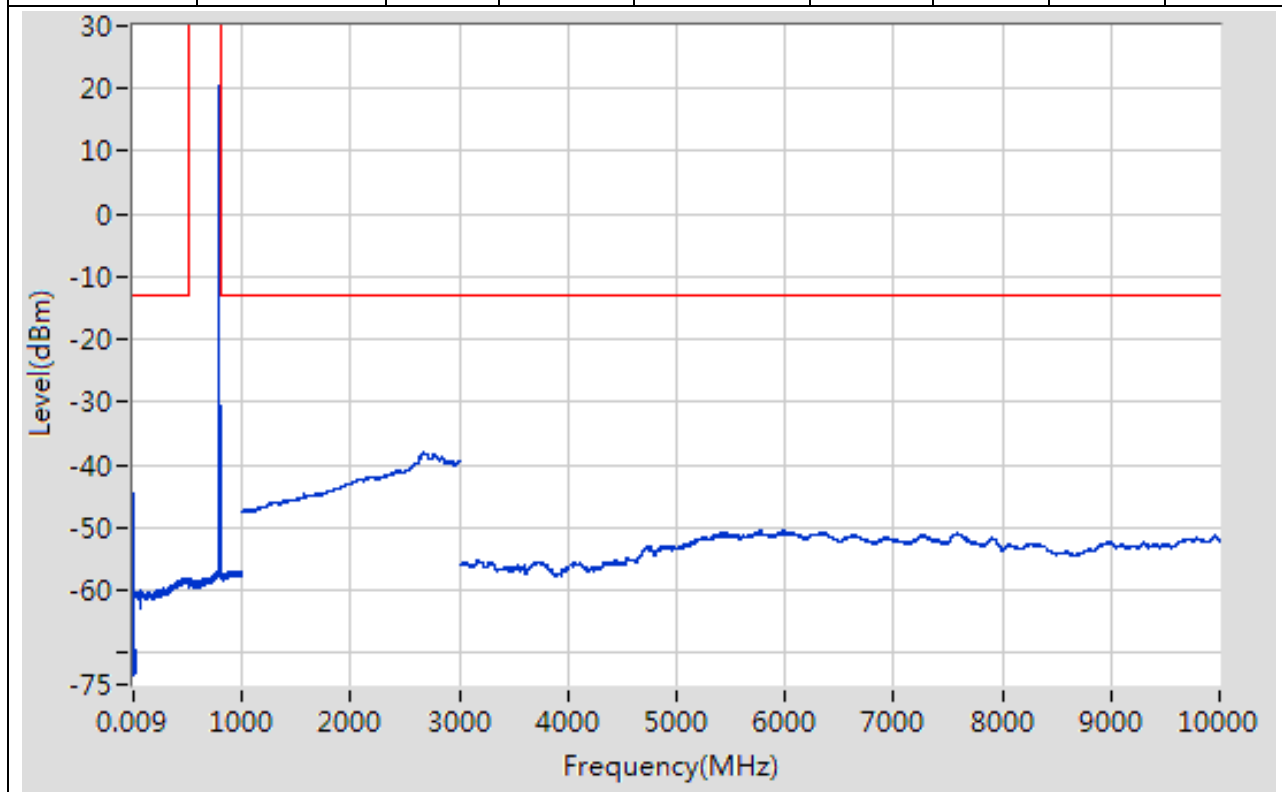
#### 1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:23330, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 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           | -48.74      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.42      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 498.5           | -57.98      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 797.4           | 21.34       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 798             | -29.32      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2668.834        | -38.02      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5769.396        | -50.39      | -13         | Pass    | 7000        |



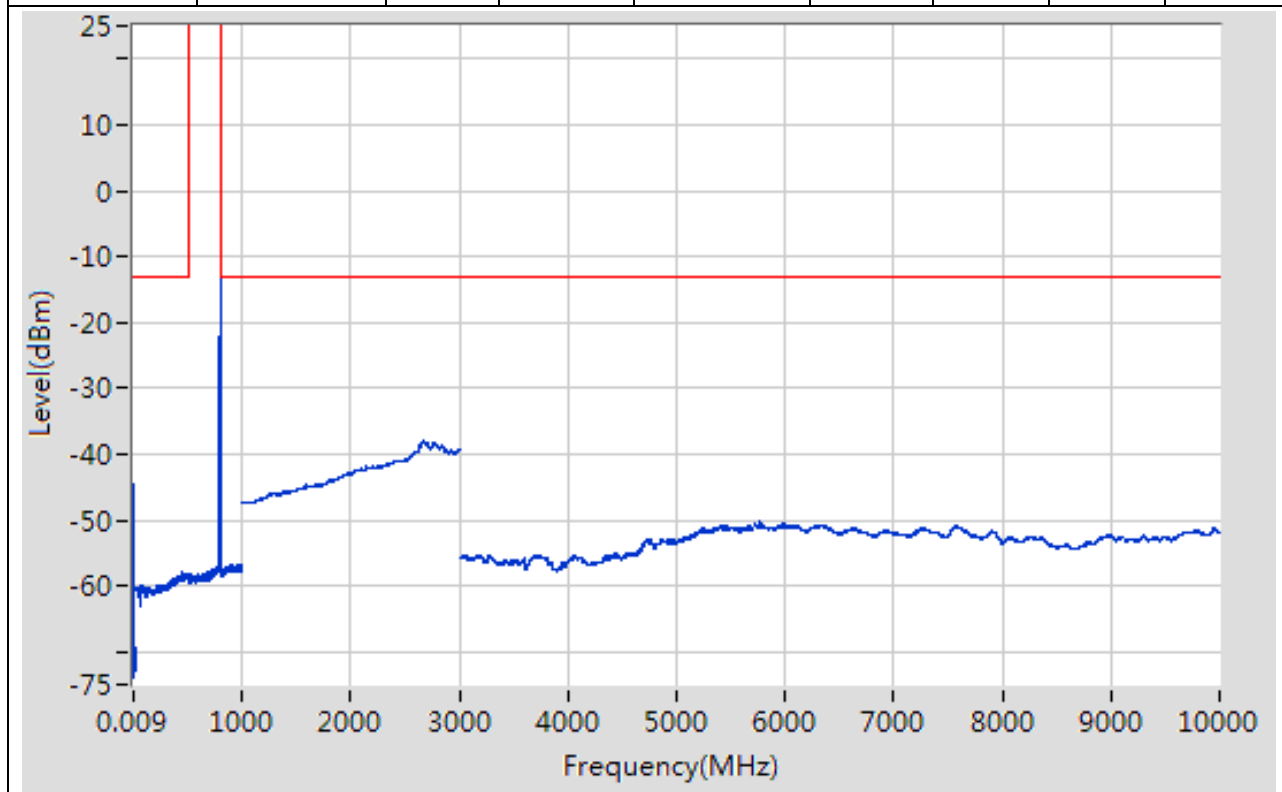
### 1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:23330, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

| 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           | -49.37      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.35      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 499.5           | -58.02      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 788.597         | 20.29       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 798             | -53.61      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2669.835        | -38.07      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.32      | -13         | Pass    | 7000        |



### 1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:23330, 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      | 0.012           | -48.76      | -13         | Pass    | 601         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -44.51      | -13         | Pass    | 2985        |
| 30                    | 500                  | 0.1       | RMS      | 451.59          | -58.01      | -13         | Pass    | 4700        |
| 500                   | 798                  | 0.1       | RMS      | 797.4           | 19.78       | 60          | Pass    | 2980        |
| 798                   | 1000                 | 0.1       | RMS      | 798             | -30.52      | -13         | Pass    | 2020        |
| 1000                  | 3000                 | 1         | RMS      | 2669.835        | -38.08      | -13         | Pass    | 2000        |
| 3000                  | 10000                | 1         | RMS      | 5770.396        | -50.34      | -13         | Pass    | 7000        |



END