

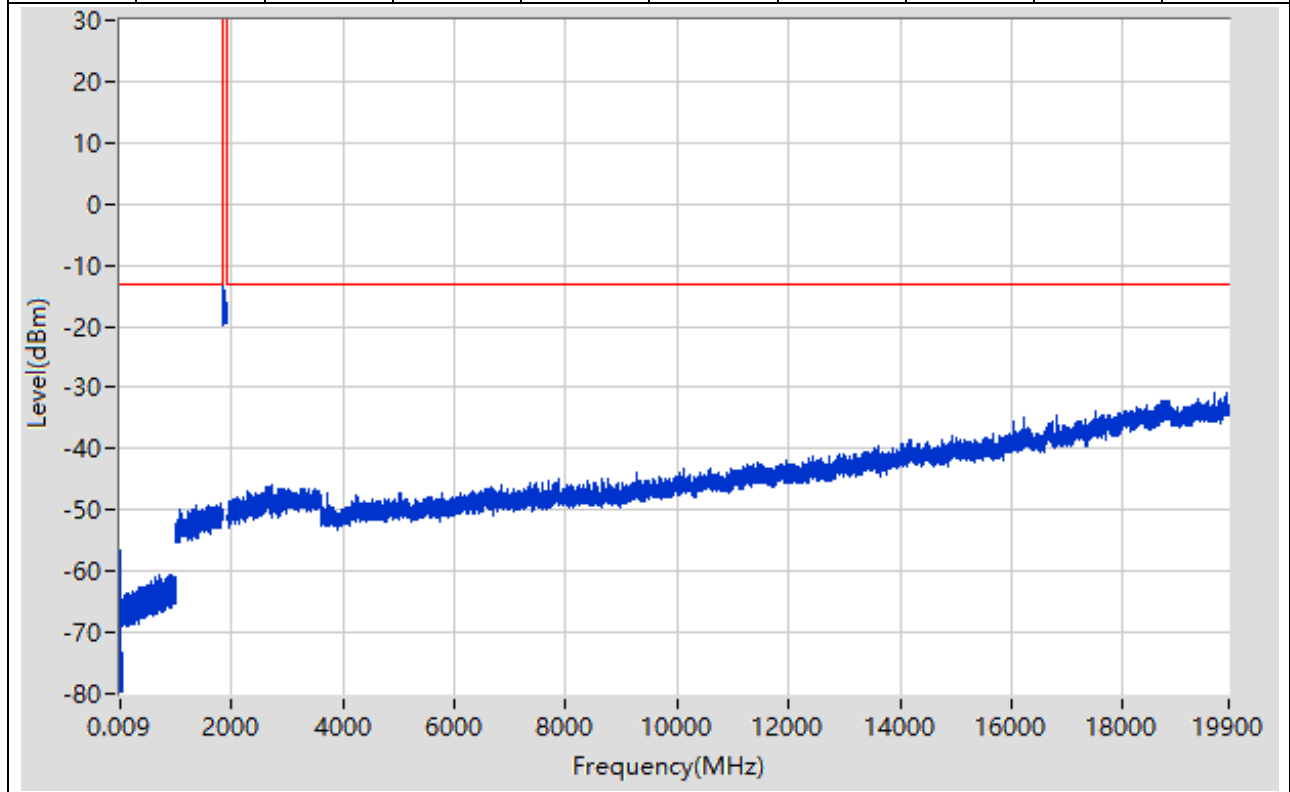
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## **Annex A.5 Spurious Emission at Antenna Terminals**

## 1. Cat-M\_Band2

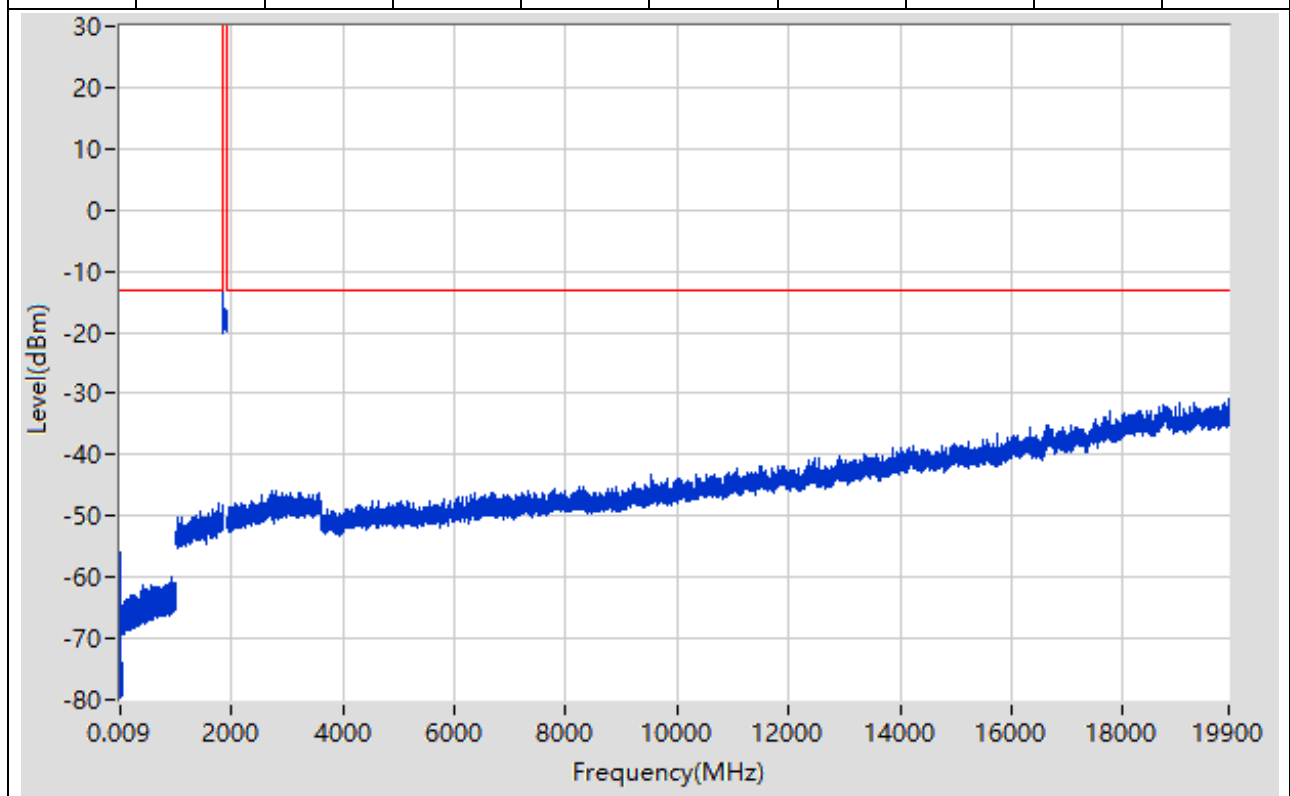
**1.1. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:1, Channel:18625, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.44      | -13         | 43.44       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -59.21      | -13         | 46.21       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 936.9           | -60.65      | -13         | 47.65       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1817            | -48.76      | -13         | 35.76       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1850.25         | 24.53       | 60          | 35.47       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2707            | -45.79      | -13         | 32.79       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19879           | -30.69      | -13         | 17.69       | Pass    | 16901       |



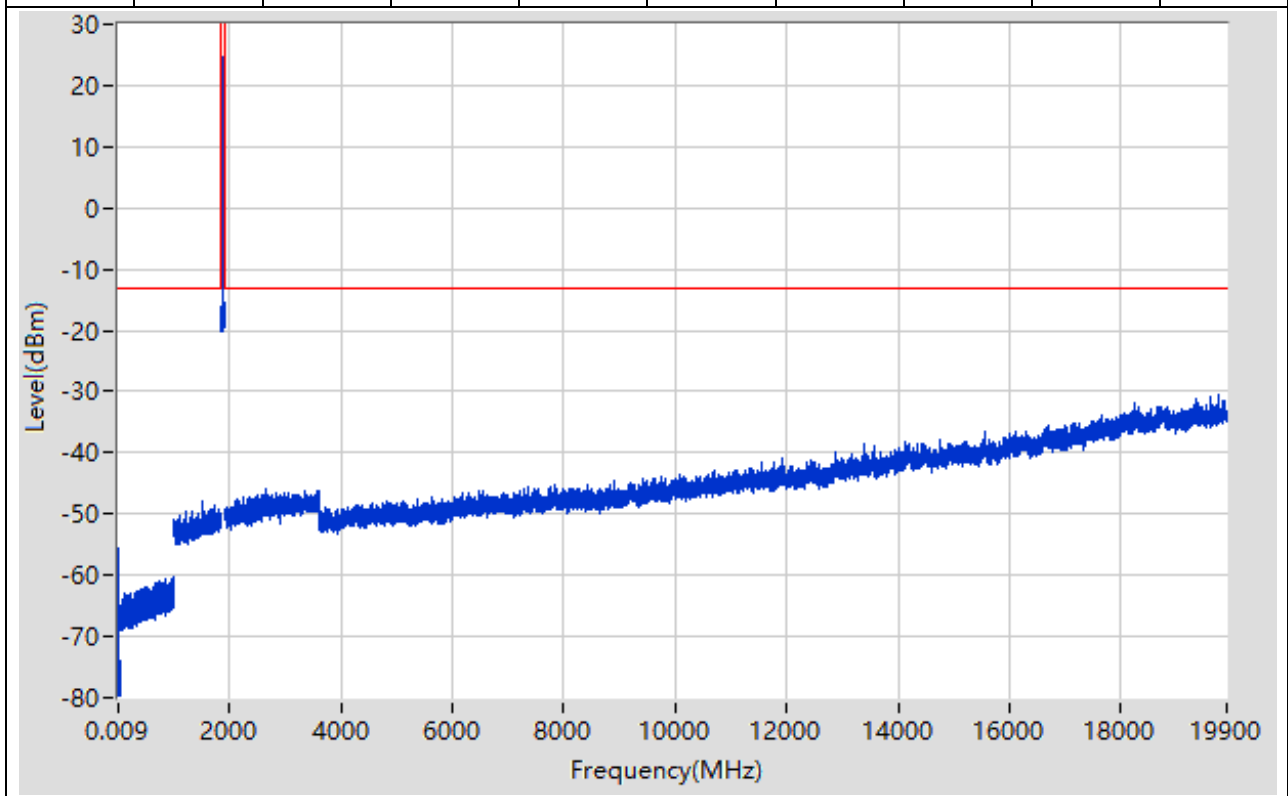
**1.2. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:2, Channel:18625, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -55.93      | -13         | 42.93       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.88      | -13         | 45.88       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 929.3           | -60.05      | -13         | 47.05       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1782            | -48.01      | -13         | 35.01       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1850.25         | 24.48       | 60          | 35.52       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2738            | -45.8       | -13         | 32.8        | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19884           | -30.69      | -13         | 17.69       | Pass    | 16901       |



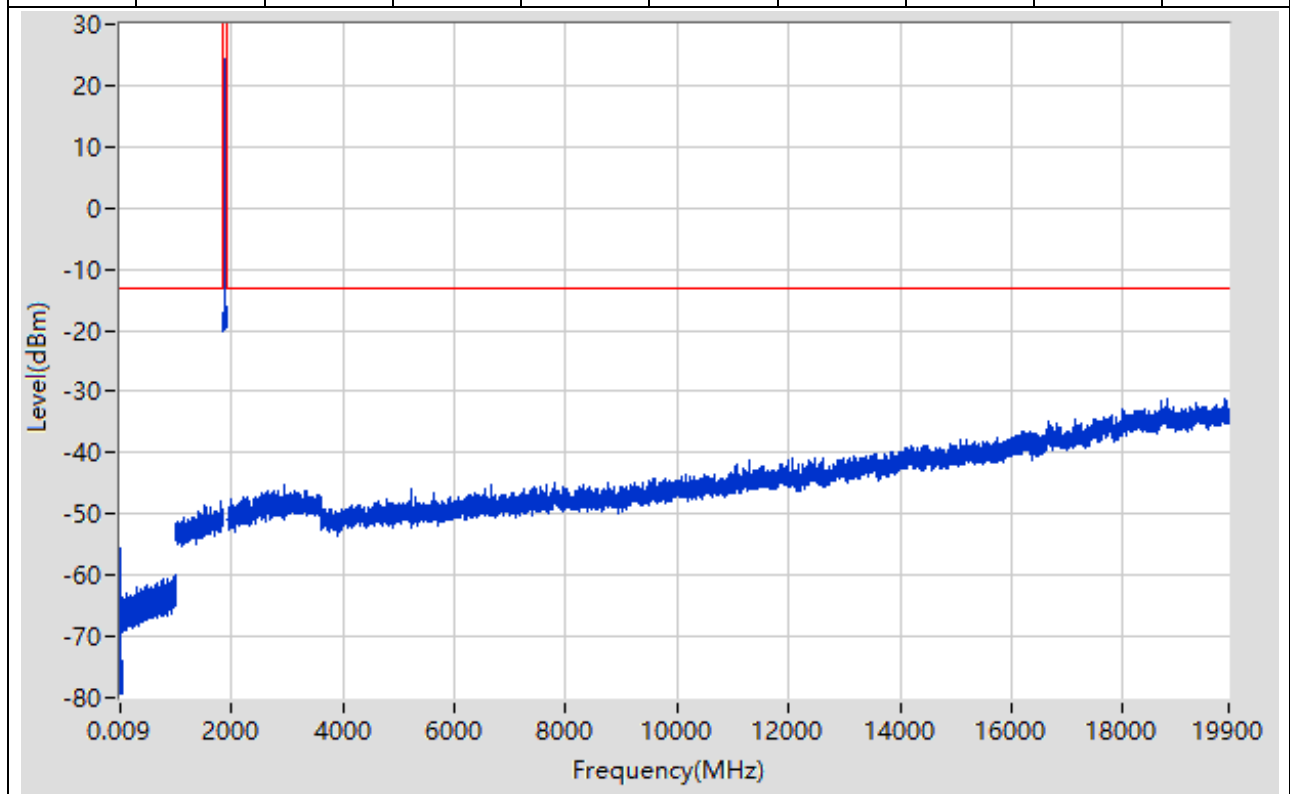
### 1.3. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:3, Channel:18900, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -55.65      | -13         | 42.65       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.87      | -13         | 42.87       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 989.3           | -60.18      | -13         | 47.18       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1509            | -47.97      | -13         | 34.97       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1877.75         | 24.56       | 60          | 35.44       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2659            | -45.85      | -13         | 32.85       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19764           | -30.59      | -13         | 17.59       | Pass    | 16901       |



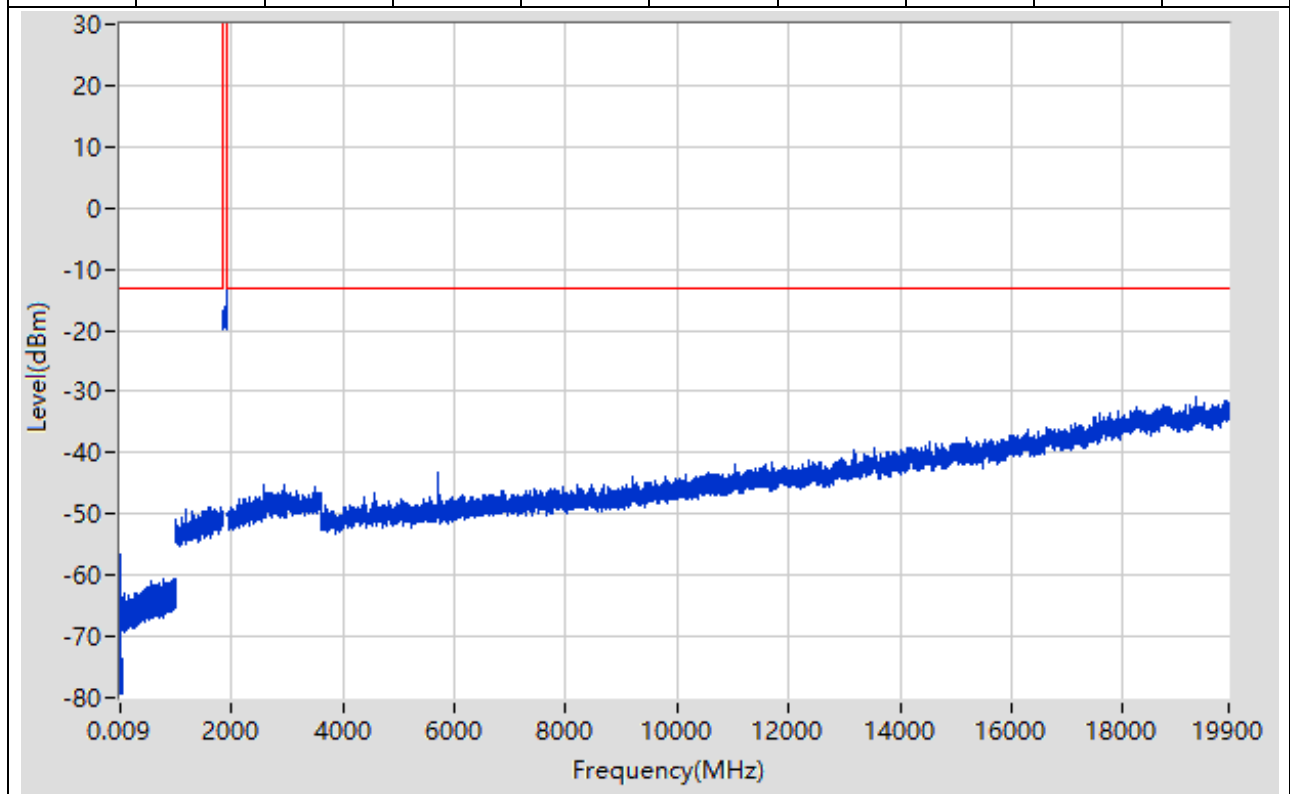
**1.4. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:4, Channel:18900, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -55.53      | -13         | 42.53       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.46      | -13         | 45.46       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 982.8           | -59.79      | -13         | 46.79       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1803            | -47.98      | -13         | 34.98       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1878            | 24.44       | 60          | 35.56       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2929            | -45.26      | -13         | 32.26       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 18781           | -31.05      | -13         | 18.05       | Pass    | 16901       |



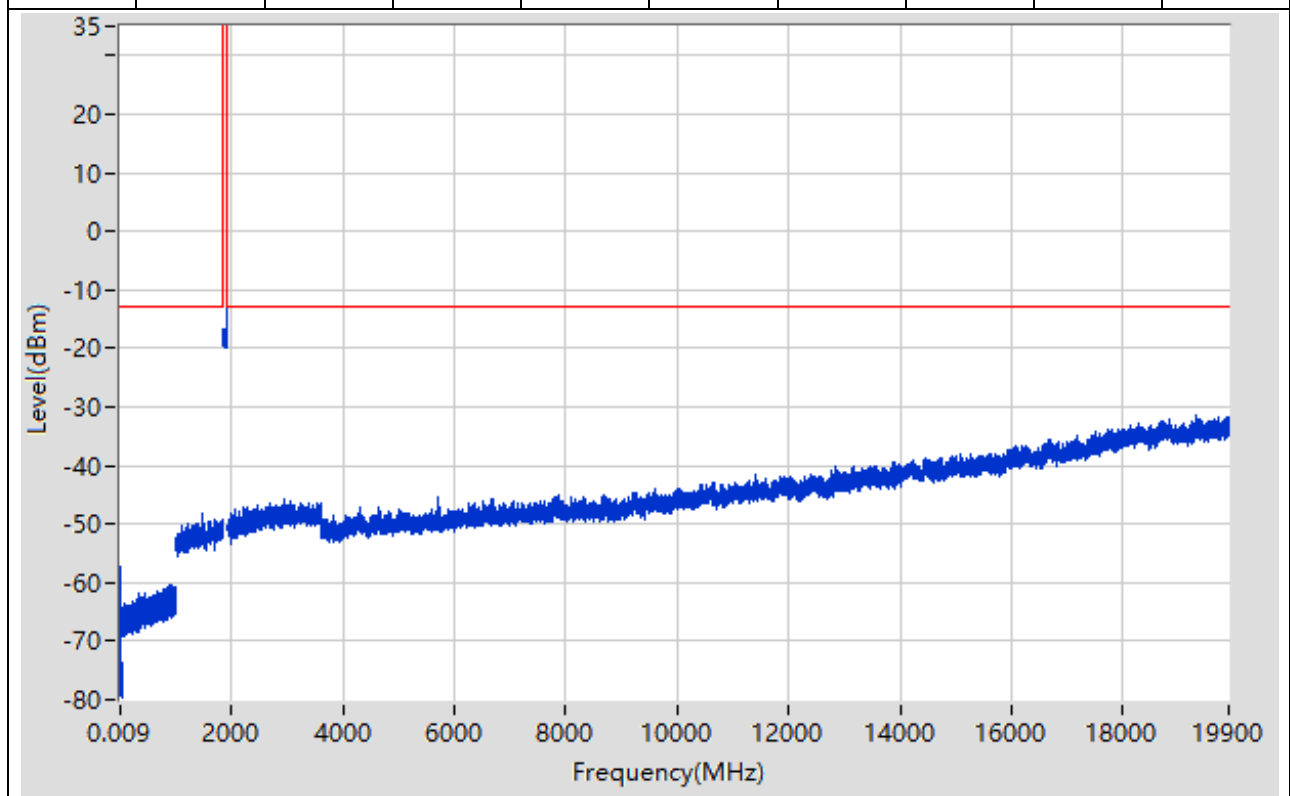
**1.5. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:5, Channel:19175, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.47      | -13         | 43.47       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.08      | -13         | 44.08       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 966.9           | -60.58      | -13         | 47.58       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1796            | -48.97      | -13         | 35.97       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1906.25         | 24.05       | 60          | 35.95       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2945            | -45.25      | -13         | 32.25       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19294           | -30.82      | -13         | 17.82       | Pass    | 16901       |



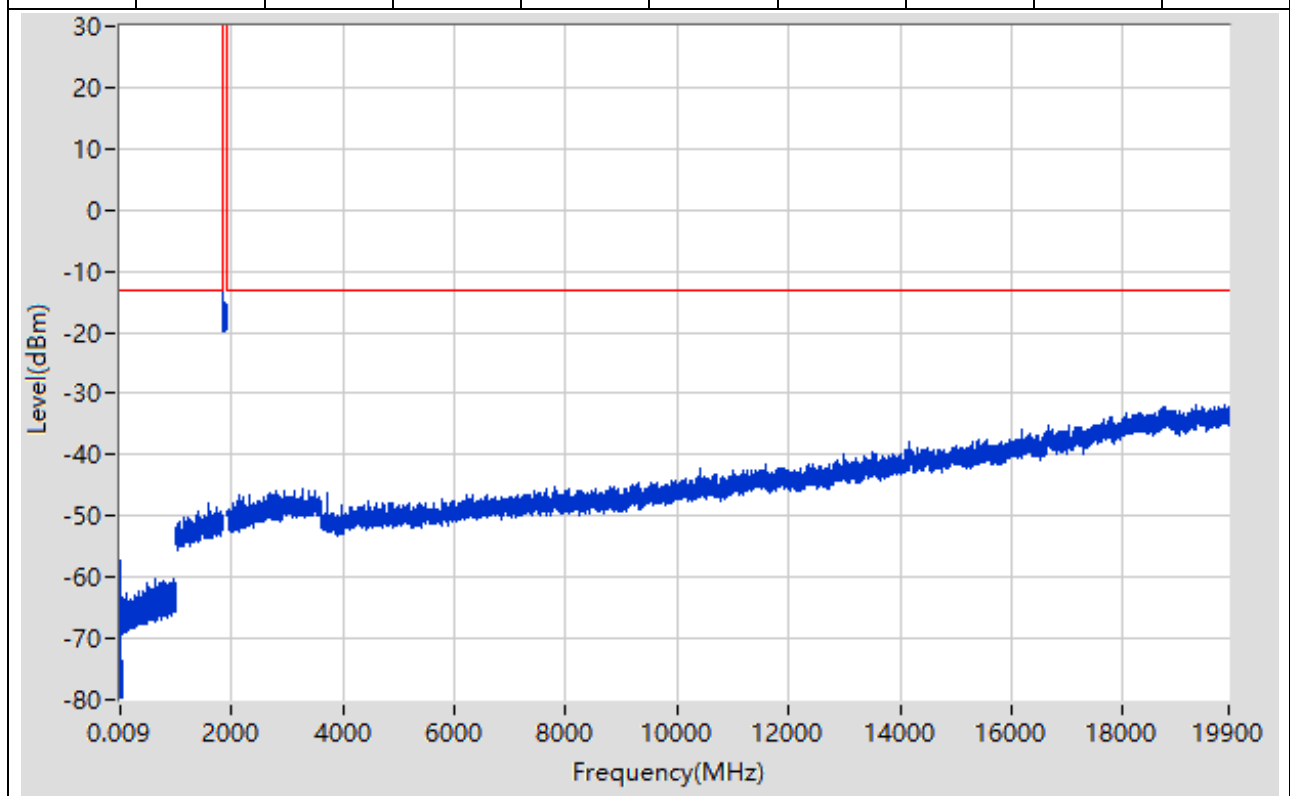
**1.6. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:6, Channel:19175, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.17      | -13         | 44.17       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.11      | -13         | 46.11       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 926.6           | -60.28      | -13         | 47.28       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1485            | -48.14      | -13         | 35.14       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1906.25         | 25.02       | 60          | 34.98       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2934            | -45.8       | -13         | 32.8        | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19294           | -31.34      | -13         | 18.34       | Pass    | 16901       |



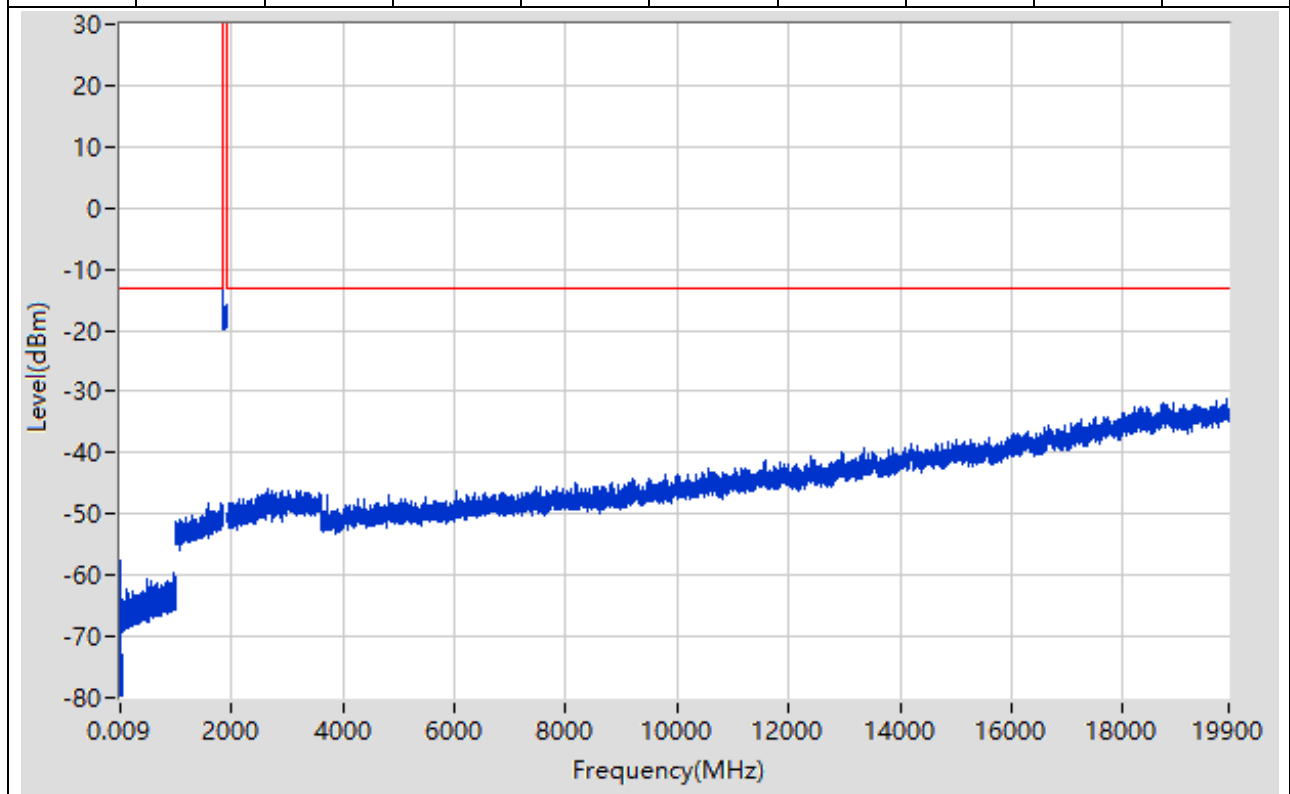
**1.7. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:7, Channel:18650, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.28      | -13         | 44.28       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.17            | -59.8       | -13         | 46.8        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 958.2           | -60.18      | -13         | 47.18       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1575            | -47.79      | -13         | 34.79       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1850.75         | 24.55       | 60          | 35.45       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2791            | -45.89      | -13         | 32.89       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19842           | -31.72      | -13         | 18.72       | Pass    | 16901       |



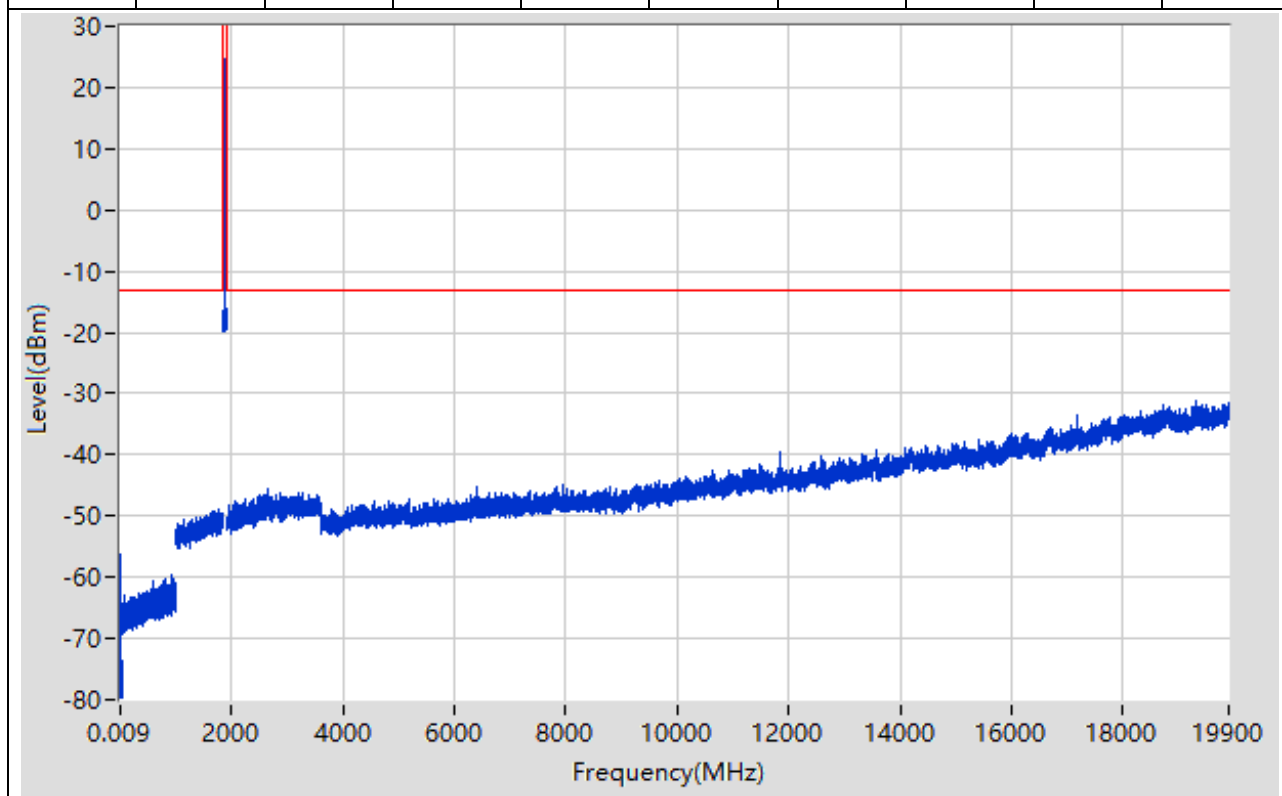
**1.8. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:8, Channel:18650, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.88      | -13         | 44.88       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.68      | -13         | 44.68       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 954.7           | -59.52      | -13         | 46.52       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1569            | -48.3       | -13         | 35.3        | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1850.75         | 24.93       | 60          | 35.07       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2644            | -45.98      | -13         | 32.98       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19846           | -31.05      | -13         | 18.05       | Pass    | 16901       |



**1.9. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:9, Channel:18900, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

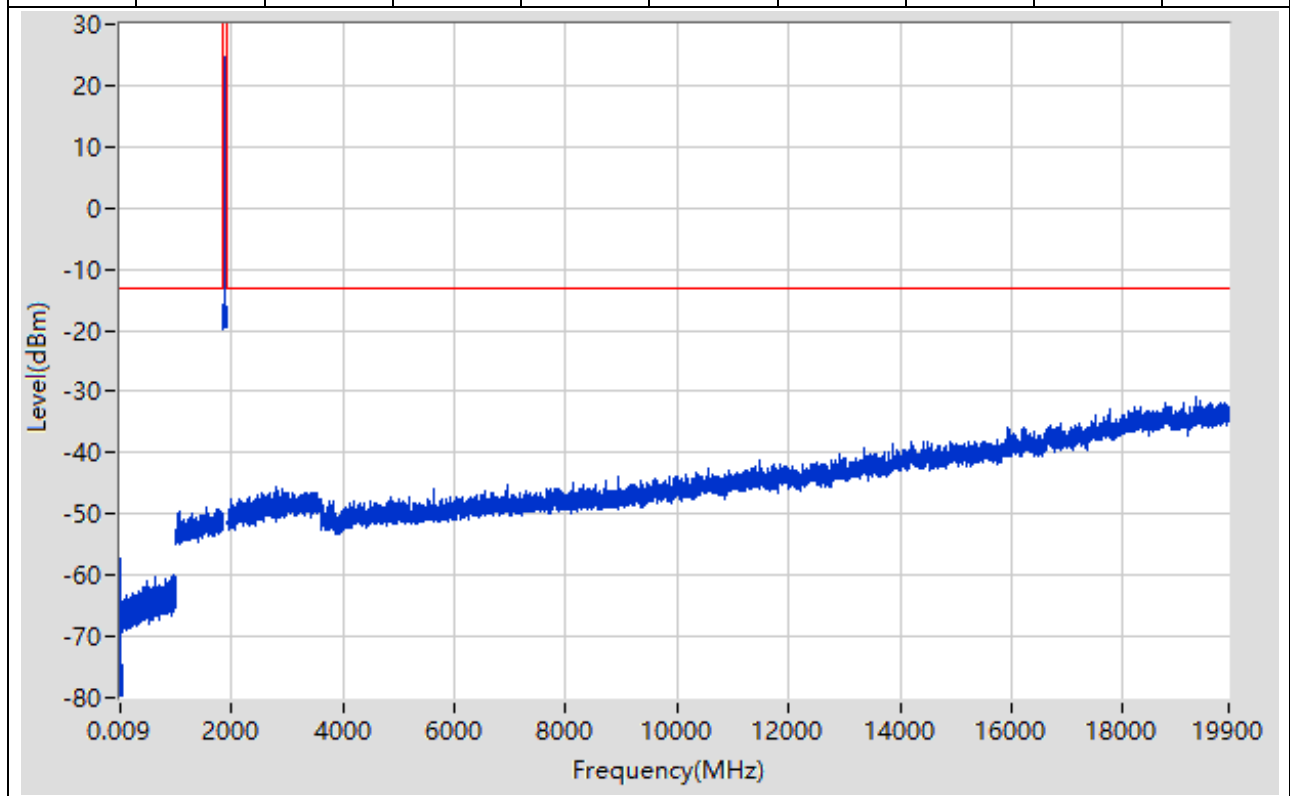
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -56.38      | -13         | 43.38       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.76      | -13         | 46.76       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 934             | -59.5       | -13         | 46.5        | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1779            | -49.06      | -13         | 36.06       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1875.75         | 24.65       | 60          | 35.35       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2632            | -45.59      | -13         | 32.59       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19307           | -31.29      | -13         | 18.29       | Pass    | 16901       |



### 1.10. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:10, Channel:18900, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

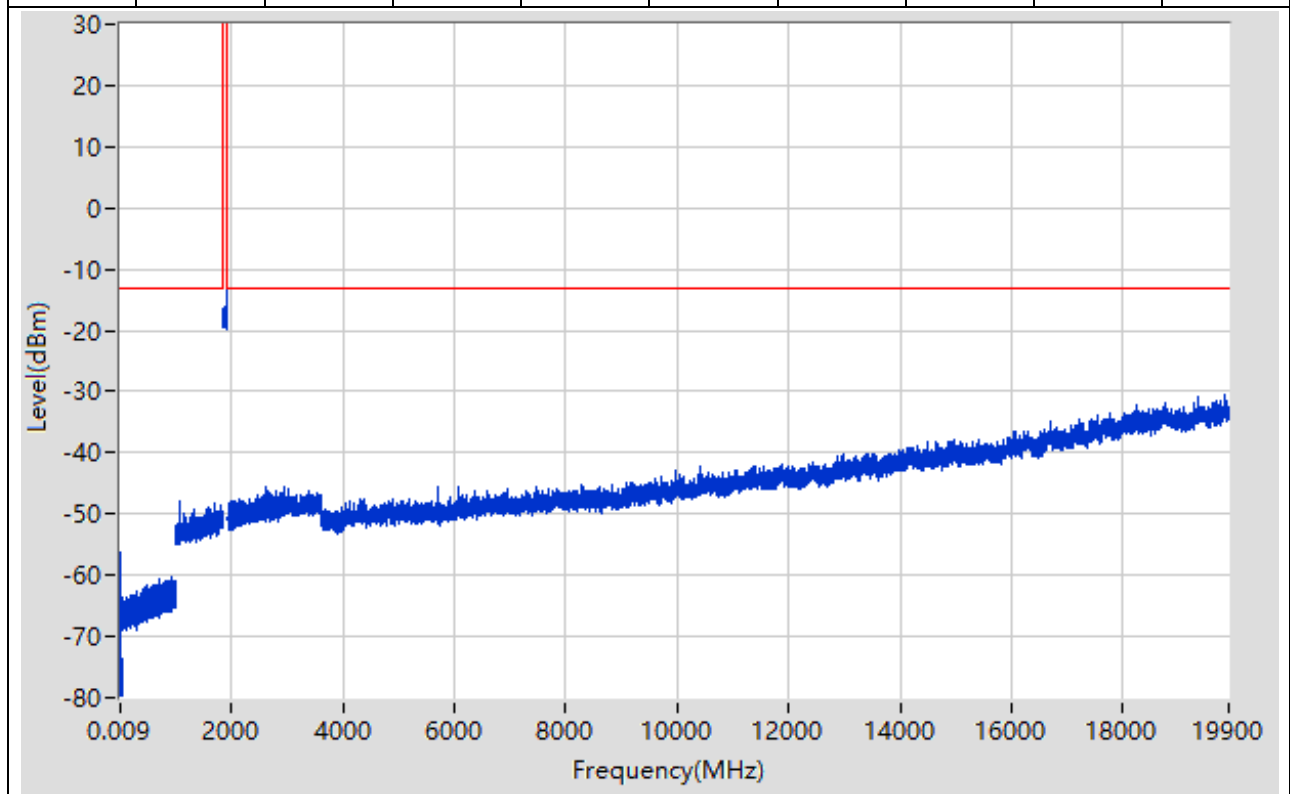
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.16      | -13         | 44.16       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.55      | -13         | 45.55       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 968.1           | -59.81      | -13         | 46.81       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1548            | -48.77      | -13         | 35.77       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1875.75         | 24.79       | 60          | 35.21       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2796            | -45.69      | -13         | 32.69       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19311           | -30.8       | -13         | 17.8        | Pass    | 16901       |



### 1.11. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:11, Channel:19150, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

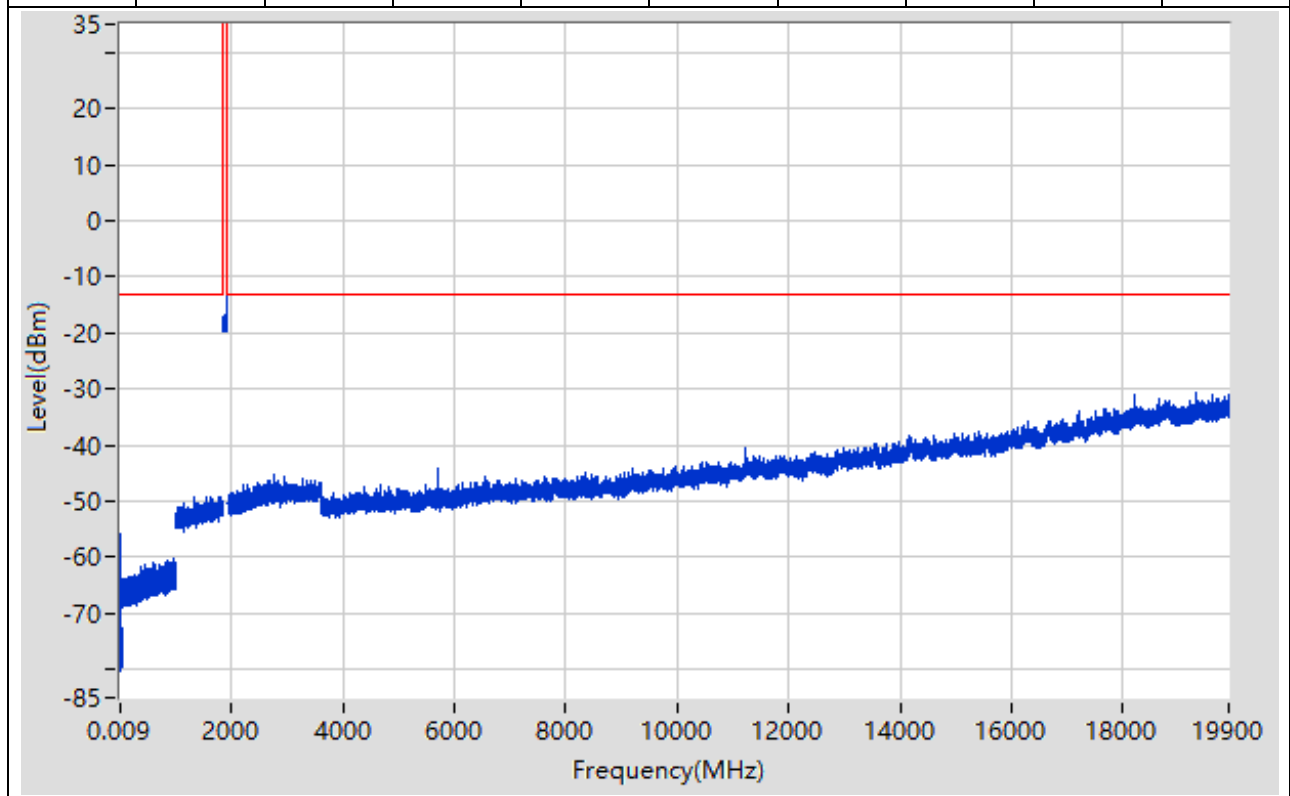
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -56.25      | -13         | 43.25       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.17            | -59.33      | -13         | 46.33       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 919.7           | -60.33      | -13         | 47.33       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1082            | -48.05      | -13         | 35.05       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1901.75         | 23.92       | 60          | 36.08       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2960            | -45.71      | -13         | 32.71       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19839           | -30.57      | -13         | 17.57       | Pass    | 16901       |



### 1.12. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:12, Channel:19150, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

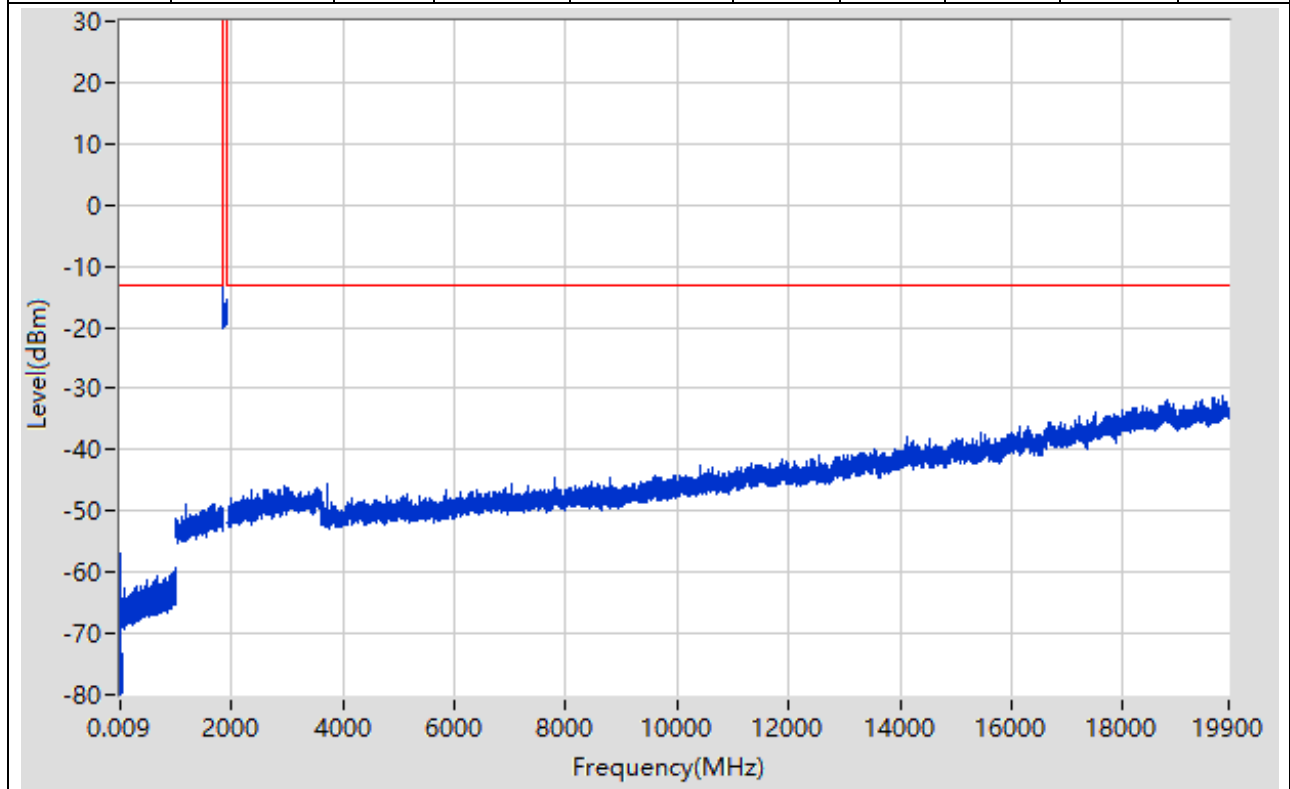
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.61      | -13         | 43.61       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.88      | -13         | 42.88       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 974.6           | -60.11      | -13         | 47.11       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1610            | -49.09      | -13         | 36.09       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1901.5          | 25.19       | 60          | 34.81       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2757            | -45.28      | -13         | 32.28       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19307           | -30.72      | -13         | 17.72       | Pass    | 16901       |



### 1.13. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:13, Channel:18675, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

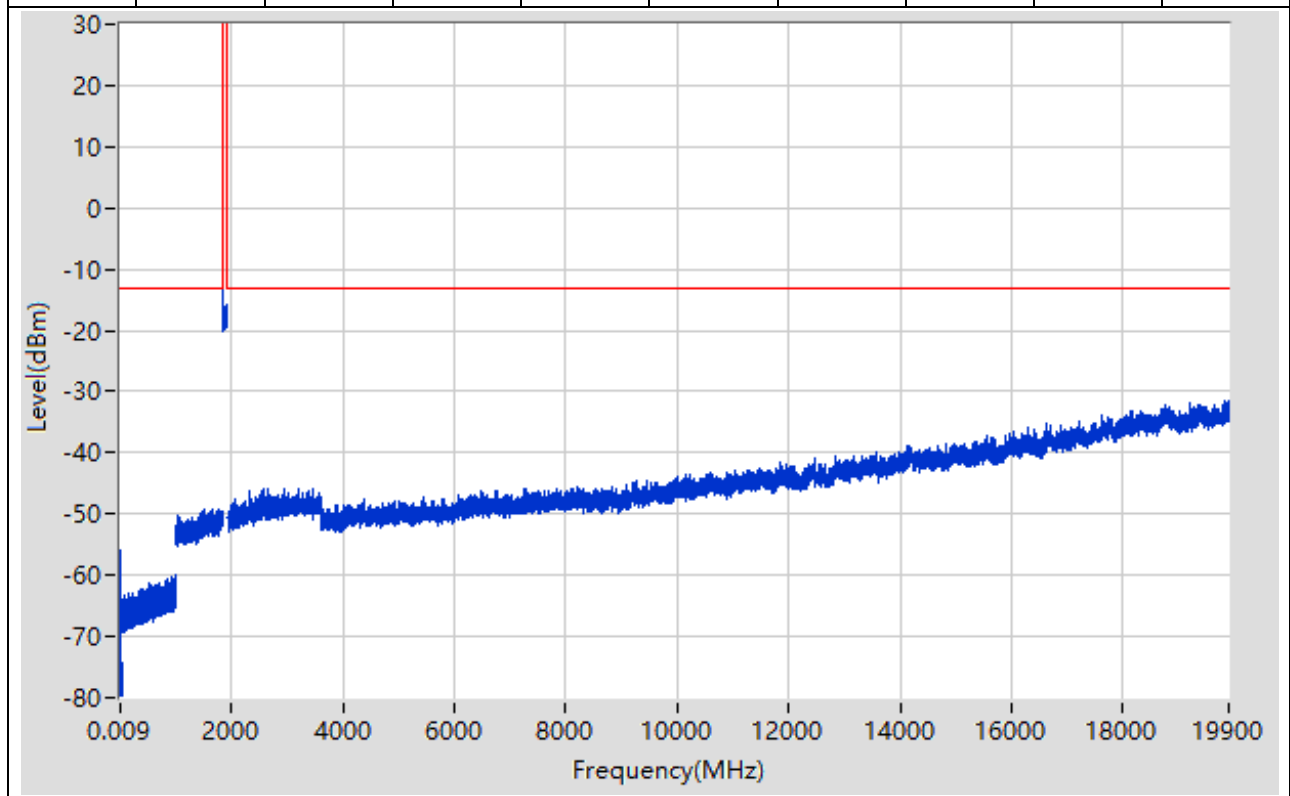
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.18      | -13         | 44.18       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.95      | -13         | 43.95       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 989.6           | -59.43      | -13         | 46.43       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1686            | -48.77      | -13         | 35.77       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1851.25         | 24.07       | 60          | 35.93       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2935            | -45.91      | -13         | 32.91       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19787           | -31.28      | -13         | 18.28       | Pass    | 16901       |



#### 1.14. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:14, Channel:18675, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

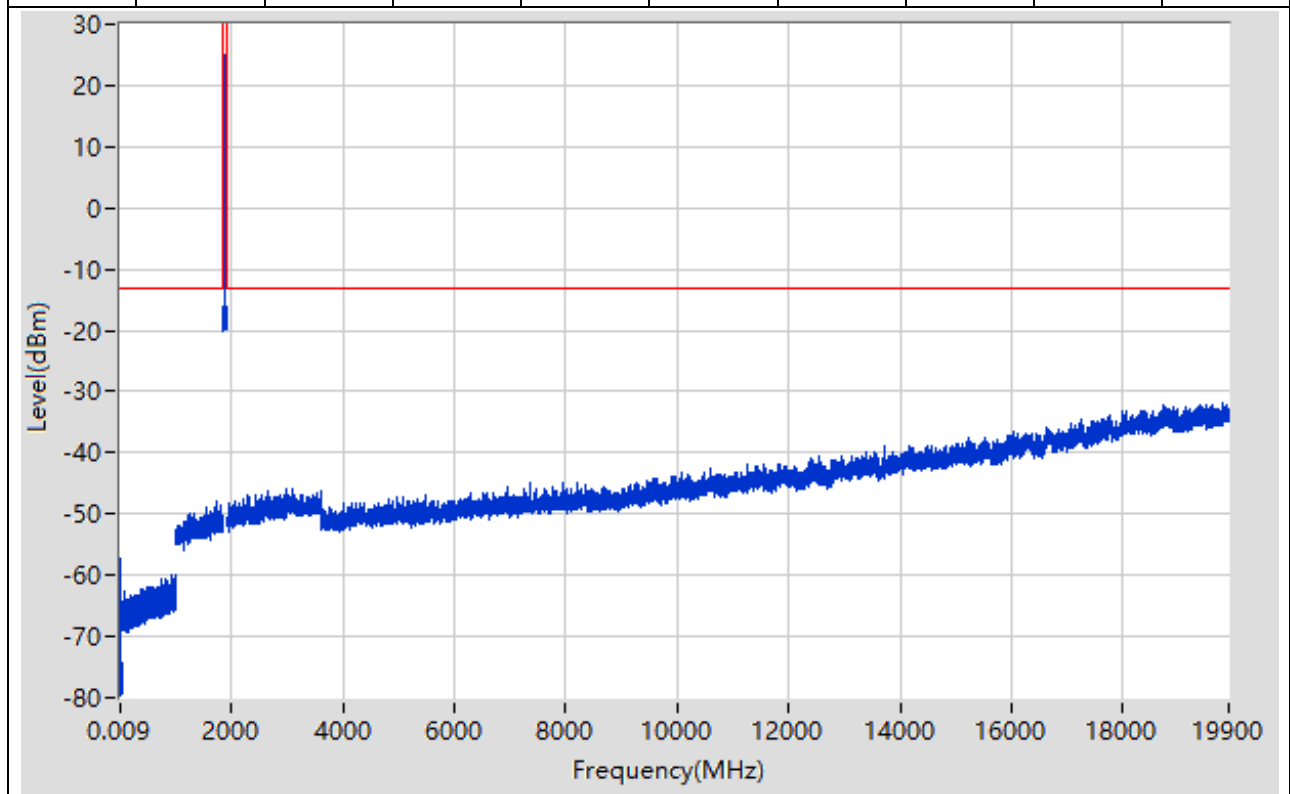
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -55.77      | -13         | 42.77       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.55      | -13         | 45.55       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 995.3           | -59.99      | -13         | 46.99       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1782            | -49.16      | -13         | 36.16       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1851            | 23.83       | 60          | 36.17       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2558            | -45.82      | -13         | 32.82       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19844           | -31.37      | -13         | 18.37       | Pass    | 16901       |



### 1.15. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:15, Channel:18900, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

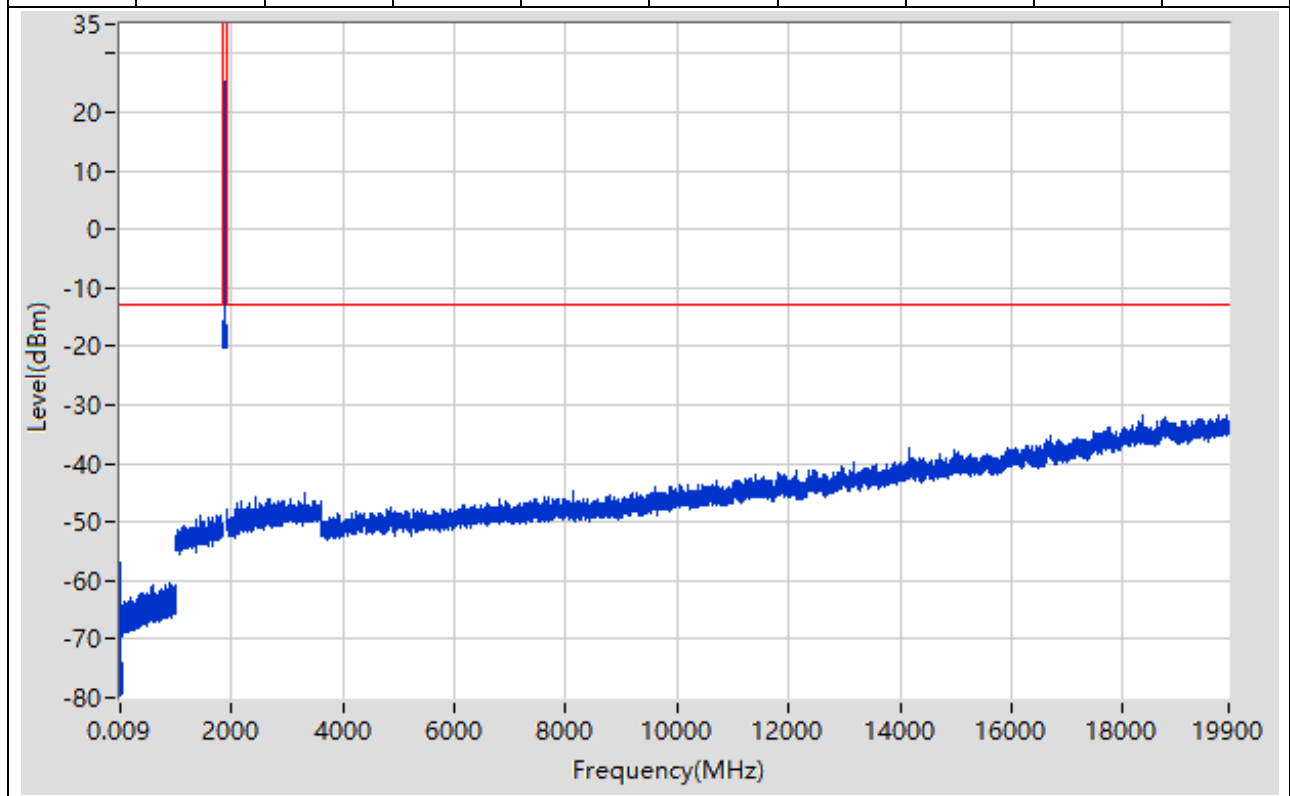
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -57.28      | -13         | 44.28       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.6       | -13         | 44.6        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 916.2           | -59.88      | -13         | 46.88       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1741            | -47.99      | -13         | 34.99       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1873.5          | 24.84       | 60          | 35.16       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2981            | -46.02      | -13         | 33.02       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19792           | -31.95      | -13         | 18.95       | Pass    | 16901       |



### 1.16. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:16, Channel:18900, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

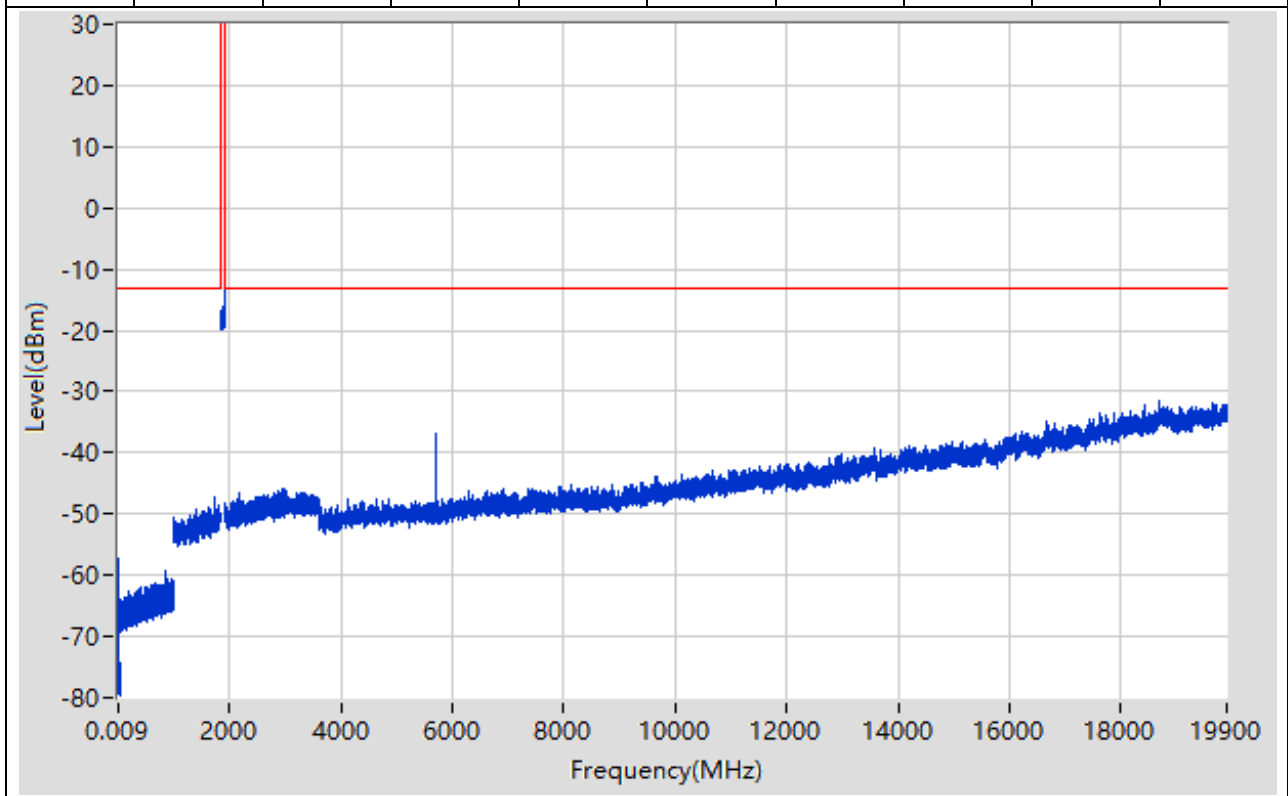
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57         | -13         | 44          | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.94      | -13         | 45.94       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 868.3           | -60.51      | -13         | 47.51       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1432            | -48.73      | -13         | 35.73       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1873.5          | 25.22       | 60          | 34.78       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2419            | -45.85      | -13         | 32.85       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19850           | -31.64      | -13         | 18.64       | Pass    | 16901       |



### 1.17. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:17, Channel:19125, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

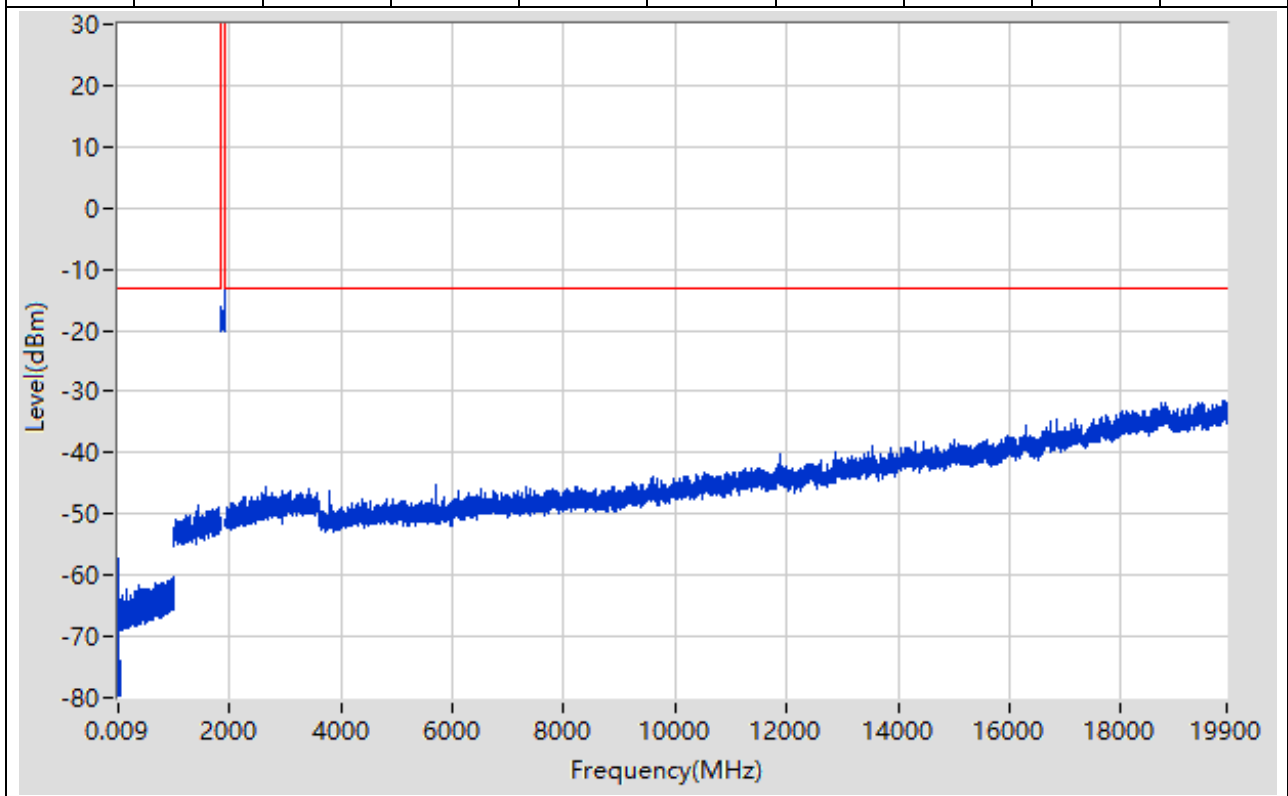
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.28      | -13         | 44.28       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -57.89      | -13         | 44.89       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 834.9           | -59.12      | -13         | 46.12       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1746            | -47.2       | -13         | 34.2        | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1896.75         | 24.39       | 60          | 35.61       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2946            | -45.88      | -13         | 32.88       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 18669           | -31.56      | -13         | 18.56       | Pass    | 16901       |



### 1.18. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:18, Channel:19125, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

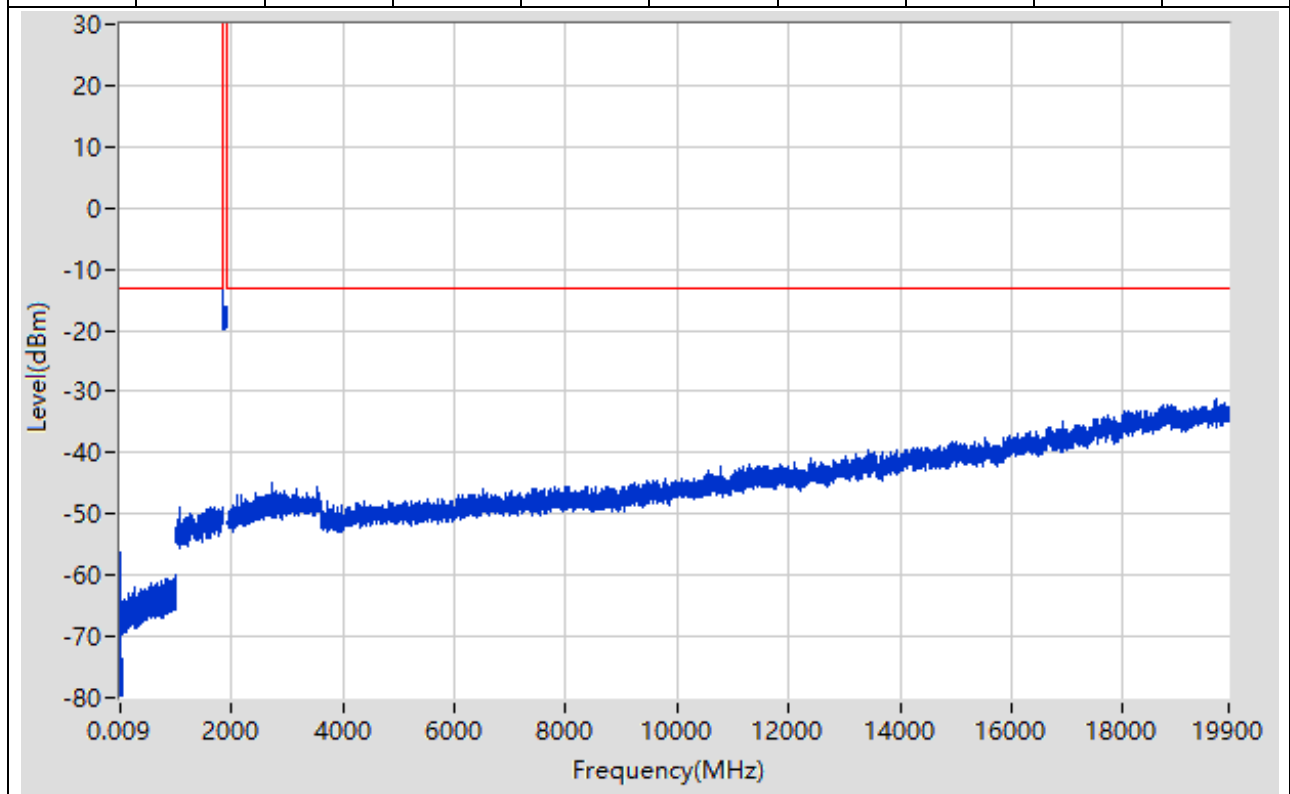
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.15      | -13         | 44.15       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.71      | -13         | 44.71       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 989             | -60.15      | -13         | 47.15       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1444            | -48.58      | -13         | 35.58       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1897            | 24.91       | 60          | 35.09       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2662            | -45.6       | -13         | 32.6        | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19846           | -31.42      | -13         | 18.42       | Pass    | 16901       |



### 1.19. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:19, Channel:18700, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

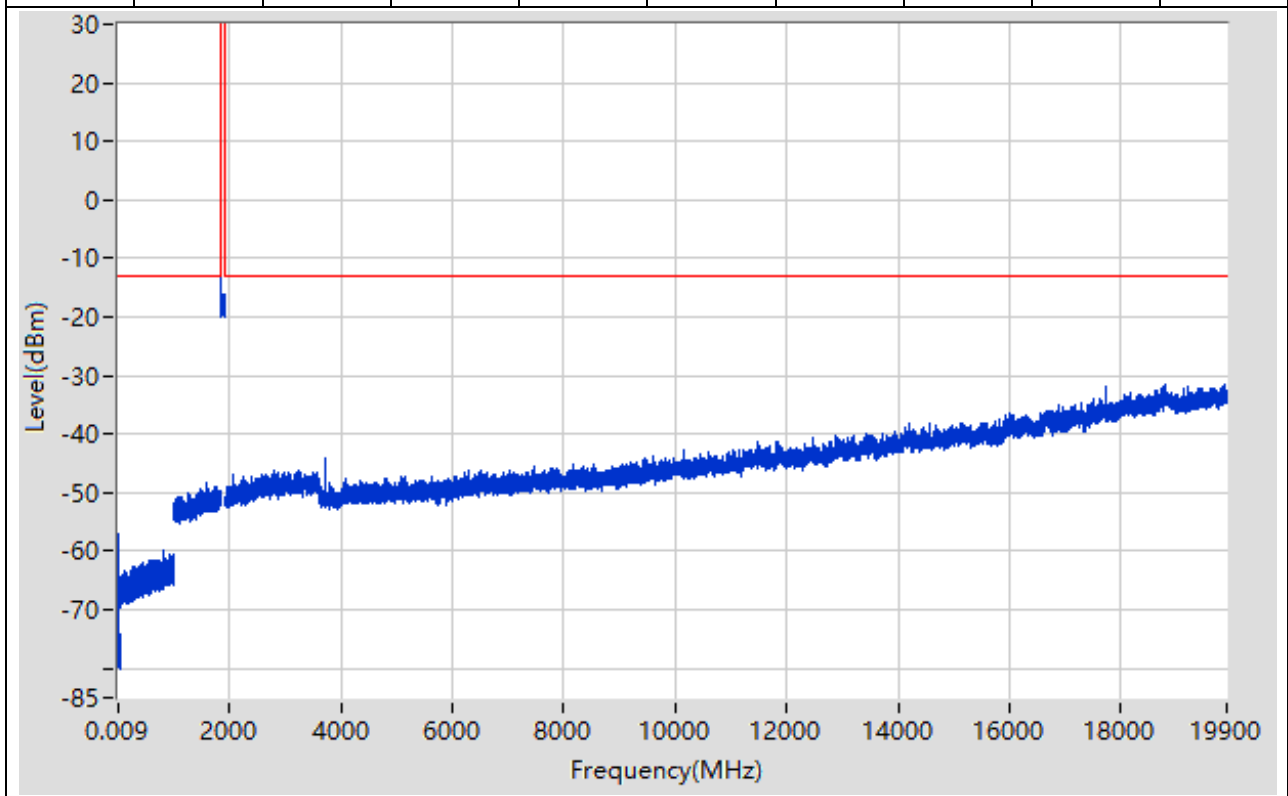
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -56.18      | -13         | 43.18       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.87      | -13         | 45.87       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 975.1           | -59.89      | -13         | 46.89       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1823            | -48.75      | -13         | 35.75       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1851.25         | 23.77       | 60          | 36.23       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2724            | -44.96      | -13         | 31.96       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19687           | -31.33      | -13         | 18.33       | Pass    | 16901       |



## 1.20. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:20, Channel:18700, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

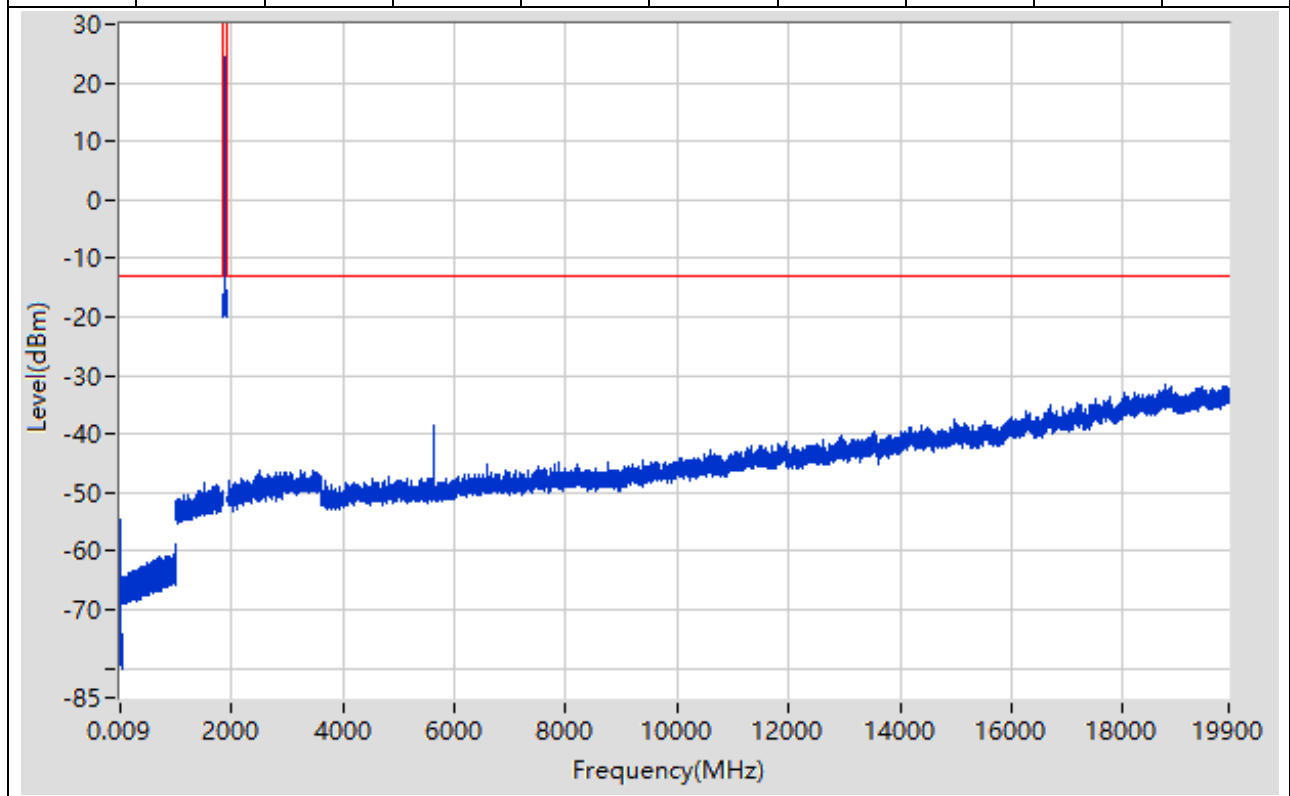
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.89      | -13         | 43.89       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.62      | -13         | 44.62       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 795.1           | -60.01      | -13         | 47.01       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1568            | -48.3       | -13         | 35.3        | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1851.25         | 24.29       | 60          | 35.71       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2794            | -46.21      | -13         | 33.21       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19879           | -31.46      | -13         | 18.46       | Pass    | 16901       |



### 1.21. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:21, Channel:18900, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

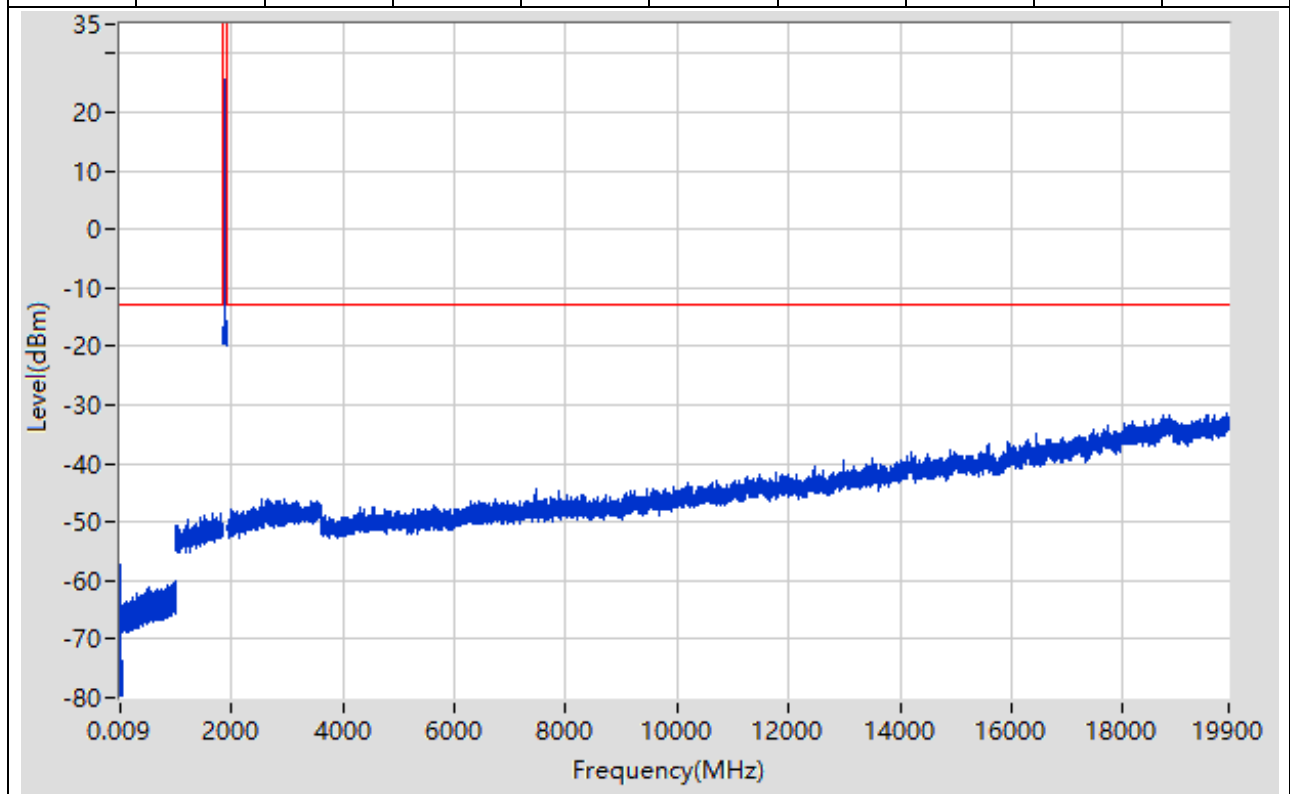
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -54.74      | -13         | 41.74       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.17      | -13         | 45.17       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 978.4           | -58.73      | -13         | 45.73       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1520            | -48.36      | -13         | 35.36       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1871.5          | 24.48       | 60          | 35.52       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2505            | -46.26      | -13         | 33.26       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 18759           | -31.56      | -13         | 18.56       | Pass    | 16901       |



## 1.22. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:22, Channel:18900, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

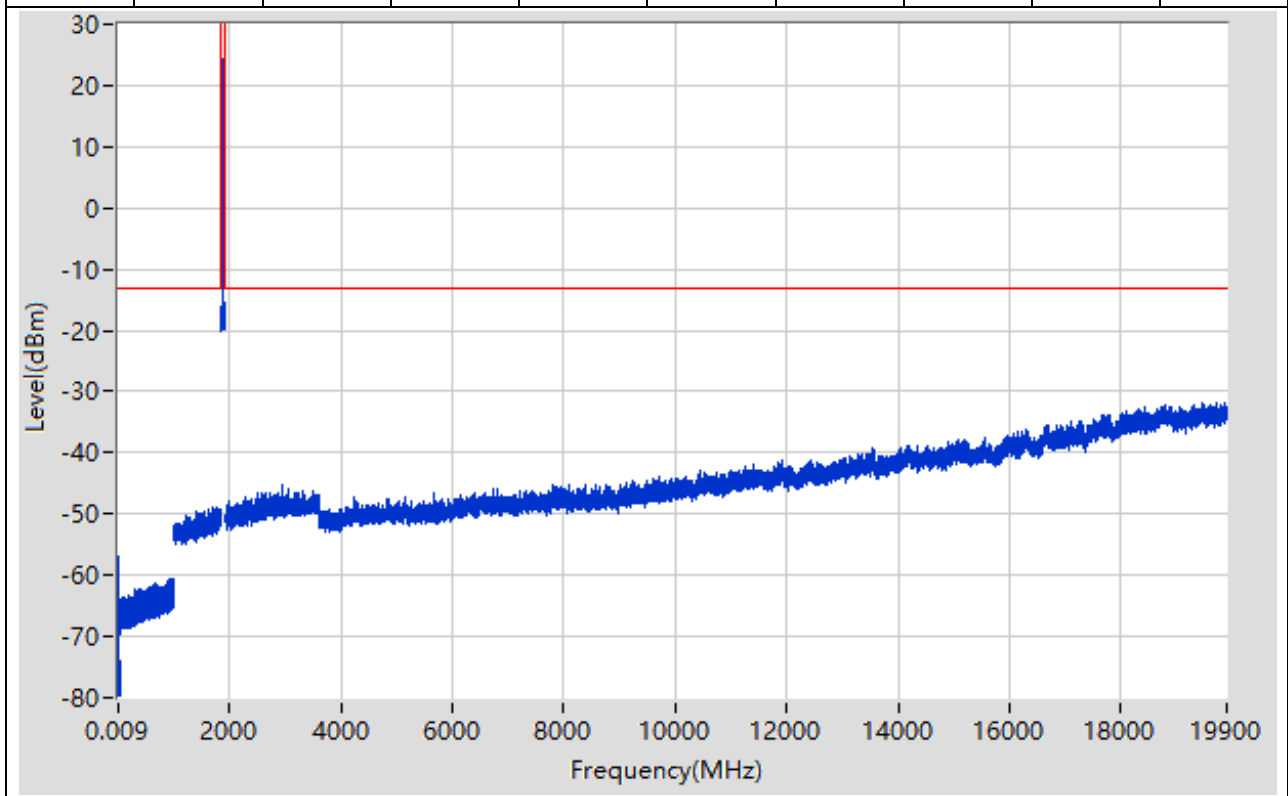
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.98      | -13         | 44.98       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.19      | -13         | 44.19       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 992.8           | -60.06      | -13         | 47.06       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1662            | -48.6       | -13         | 35.6        | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1871.5          | 25.41       | 60          | 34.59       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2953            | -46.19      | -13         | 33.19       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19849           | -31.37      | -13         | 18.37       | Pass    | 16901       |



### 1.23. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:23, Channel:19100, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

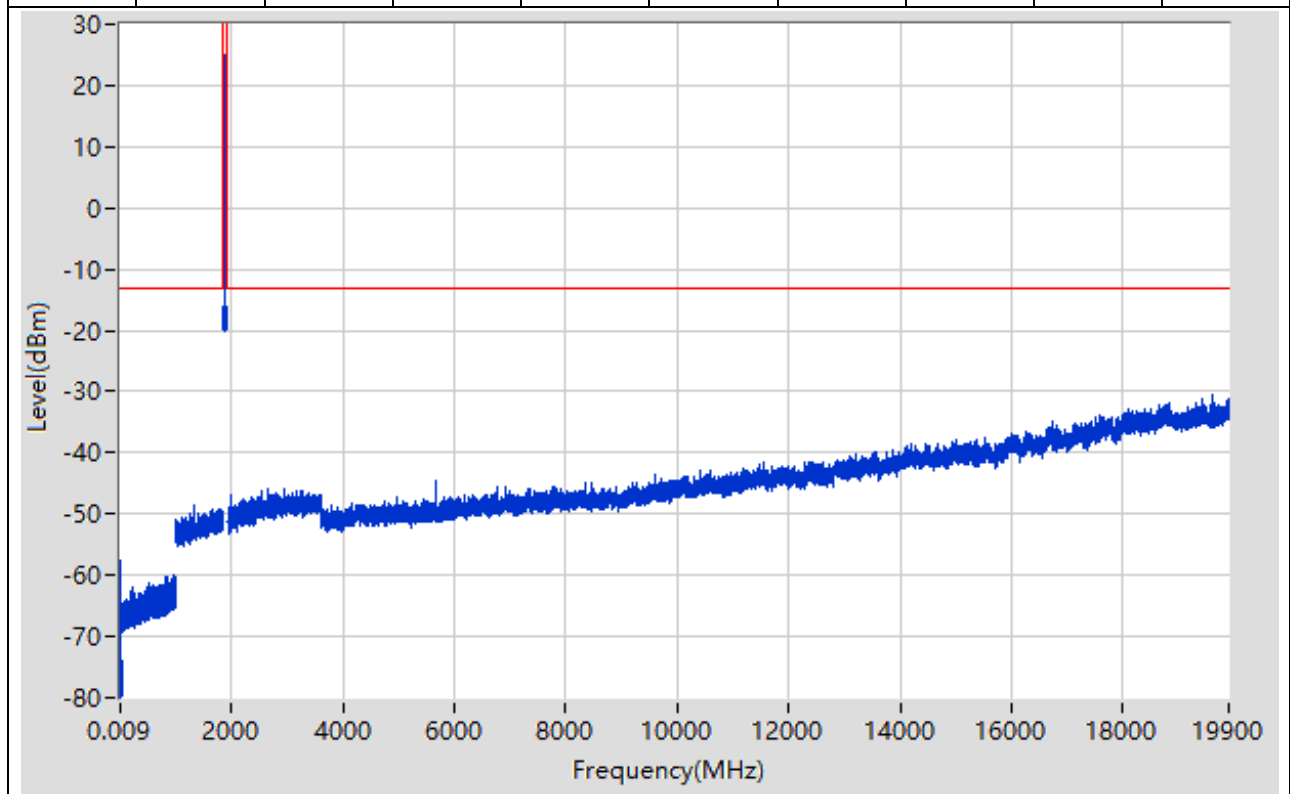
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.9       | -13         | 43.9        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.77      | -13         | 43.77       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 954.9           | -60.52      | -13         | 47.52       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1759            | -48.95      | -13         | 35.95       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1892.25         | 24.42       | 60          | 35.58       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2956            | -45.31      | -13         | 32.31       | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19731           | -31.81      | -13         | 18.81       | Pass    | 16901       |



#### 1.24. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:24, Channel:19100, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

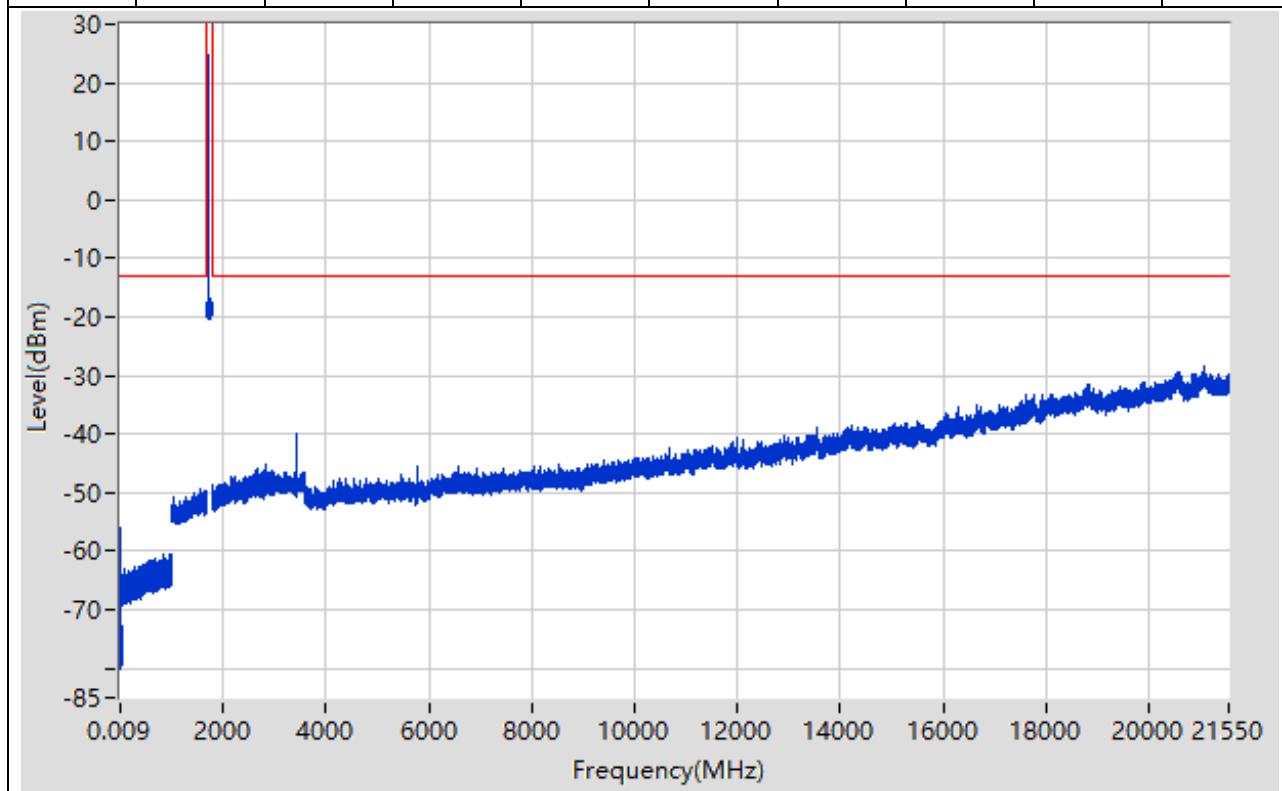
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -57.72      | -13         | 44.72       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.69      | -13         | 45.69       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 970.1           | -60.03      | -13         | 47.03       | Pass    | 9701        |
| 1000                  | 1830                 | 1         | RMS      | 1326            | -48.44      | -13         | 35.44       | Pass    | 831         |
| 1830                  | 1930                 | 1         | RMS      | 1892.25         | 24.91       | 60          | 35.09       | Pass    | 401         |
| 1930                  | 3000                 | 1         | RMS      | 2643            | -45.8       | -13         | 32.8        | Pass    | 1071        |
| 3000                  | 19900                | 1         | RMS      | 19611           | -30.42      | -13         | 17.42       | Pass    | 16901       |



## 2. Cat-M\_Band4

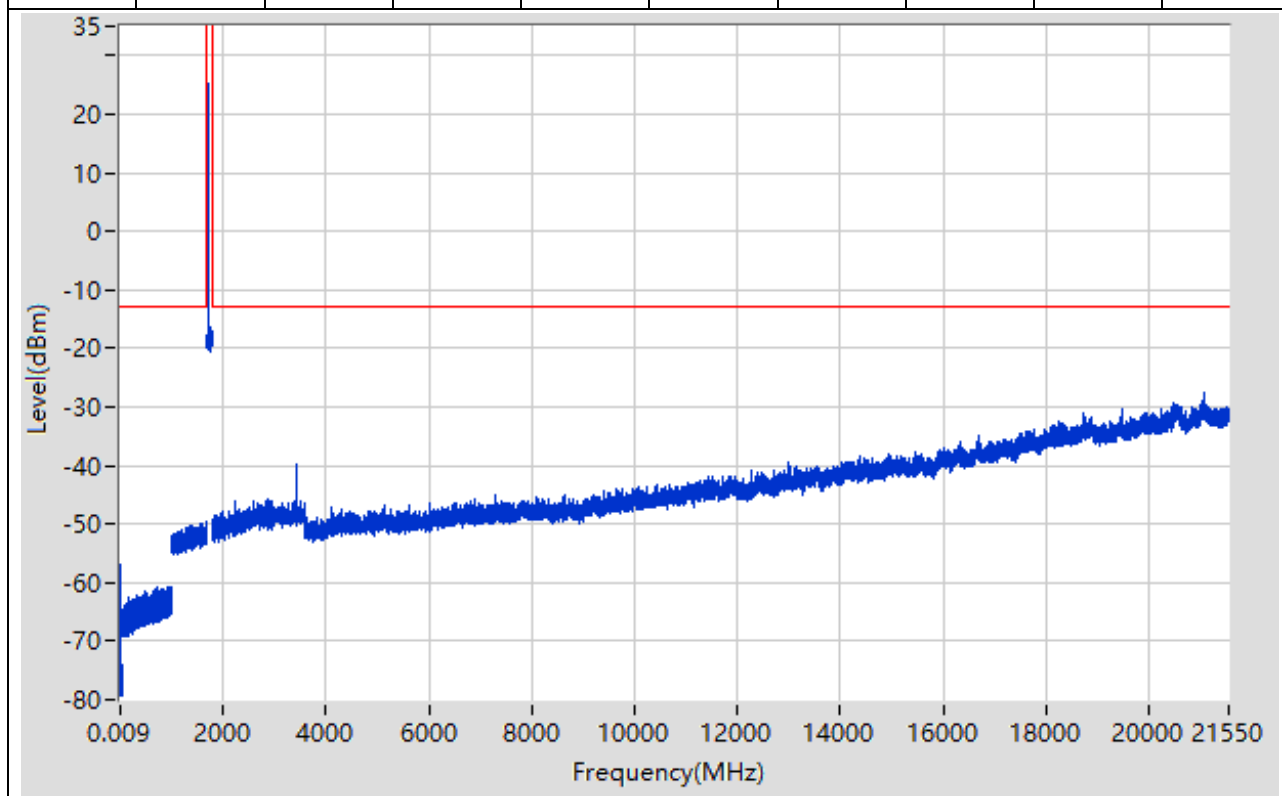
**2.1. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:1, Channel:19975, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -55.97      | -13         | 42.97       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.01      | -13         | 45.01       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 949.2           | -60.5       | -13         | 47.5        | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1568            | -49.46      | -13         | 36.46       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1710.4          | 24.87       | 60          | 35.13       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2822            | -45.28      | -13         | 32.28       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21069           | -28.29      | -13         | 15.29       | Pass    | 18551       |



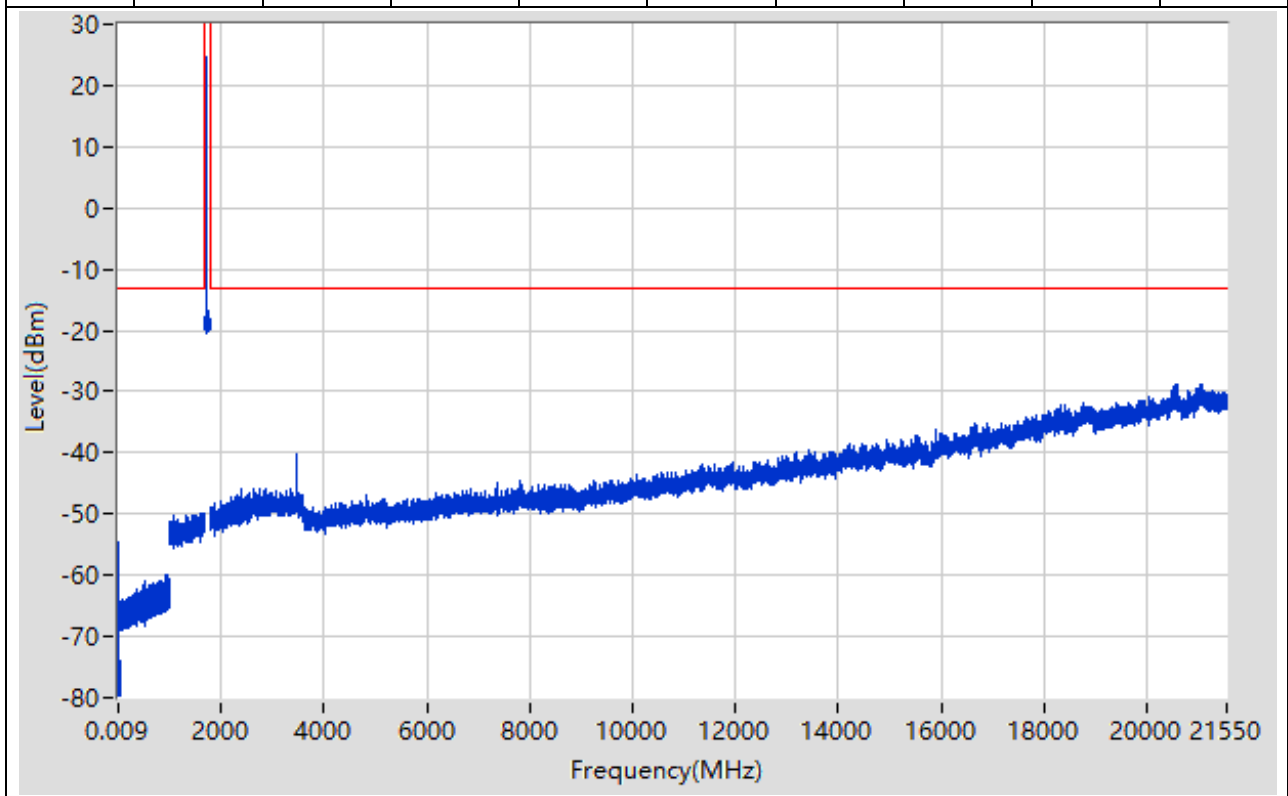
## 2.2. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:2, Channel:19975, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.78      | -13         | 43.78       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -57.1       | -13         | 44.1        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 948.1           | -60.6       | -13         | 47.6        | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1690            | -49.6       | -13         | 36.6        | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1710.4          | 25.24       | 60          | 34.76       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2858            | -45.84      | -13         | 32.84       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21086           | -27.42      | -13         | 14.42       | Pass    | 18551       |



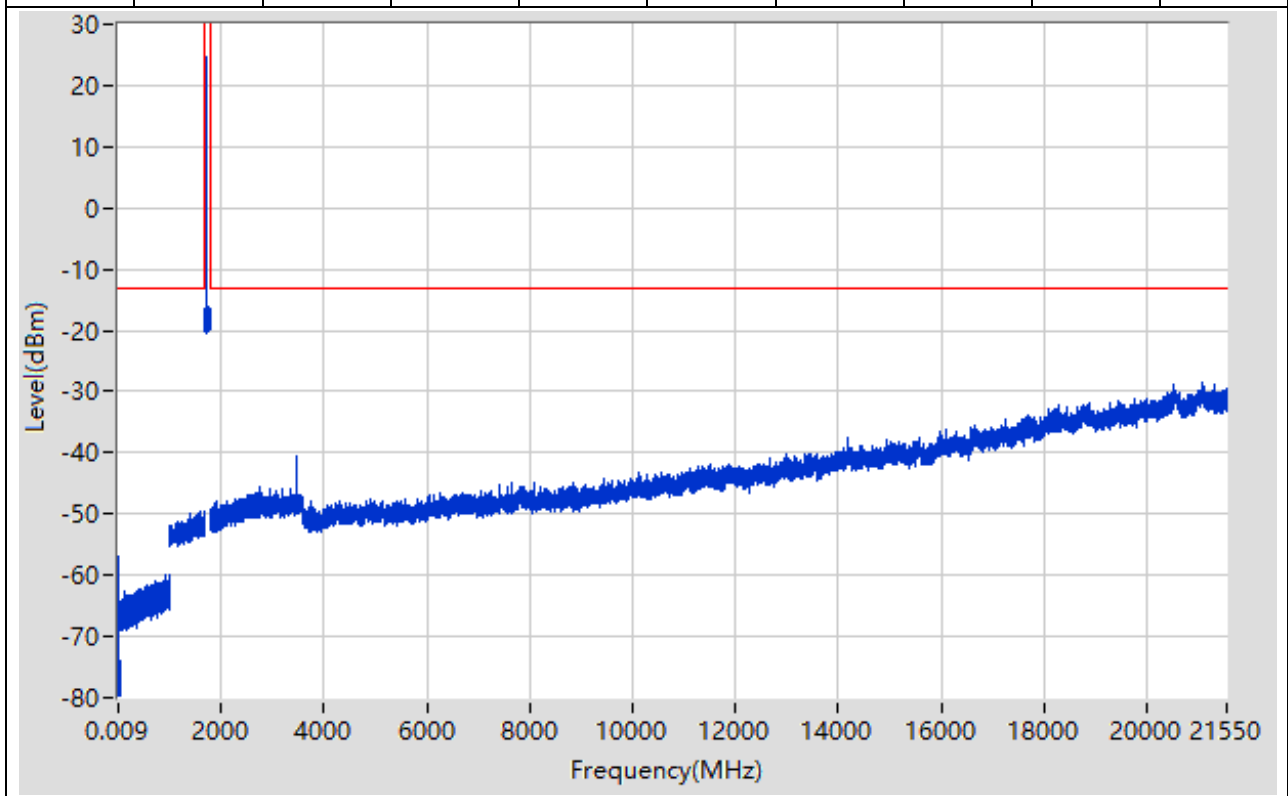
### 2.3. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:3, Channel:20175, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -54.75      | -13         | 41.75       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.34      | -13         | 45.34       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 928.6           | -59.86      | -13         | 46.86       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1612            | -49.74      | -13         | 36.74       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1730.375        | 24.72       | 60          | 35.28       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2763            | -45.85      | -13         | 32.85       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21060           | -28.7       | -13         | 15.7        | Pass    | 18551       |



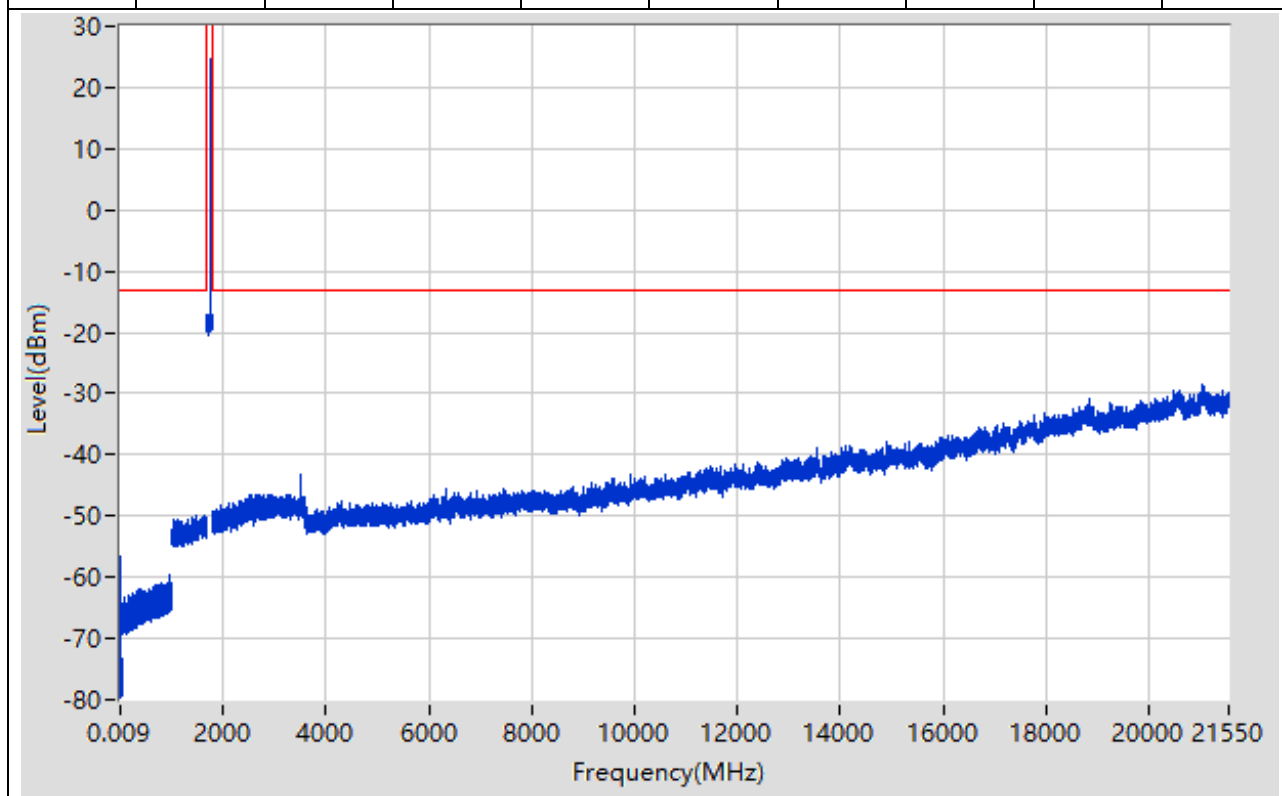
**2.4. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:4, Channel:20175, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -56.99      | -13         | 43.99       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.06      | -13         | 46.06       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 908             | -59.84      | -13         | 46.84       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1579            | -49.45      | -13         | 36.45       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1730.375        | 24.8        | 60          | 35.2        | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2735            | -45.65      | -13         | 32.65       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21085           | -28.66      | -13         | 15.66       | Pass    | 18551       |



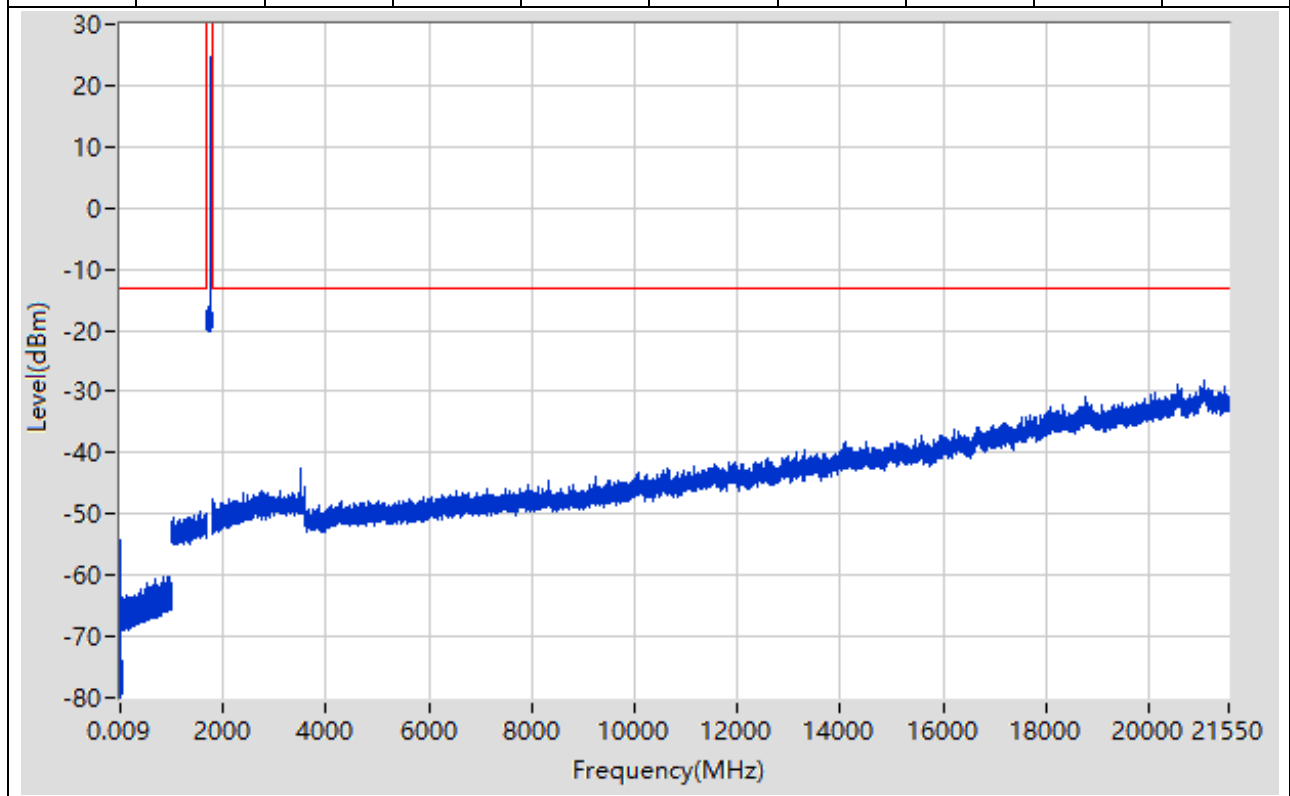
**2.5. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:5, Channel:20375, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -56.46      | -13         | 43.46       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.75      | -13         | 43.75       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 947.4           | -59.57      | -13         | 46.57       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1641            | -49.82      | -13         | 36.82       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1751.2          | 24.71       | 60          | 35.29       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2691            | -46.52      | -13         | 33.52       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21051           | -28.52      | -13         | 15.52       | Pass    | 18551       |



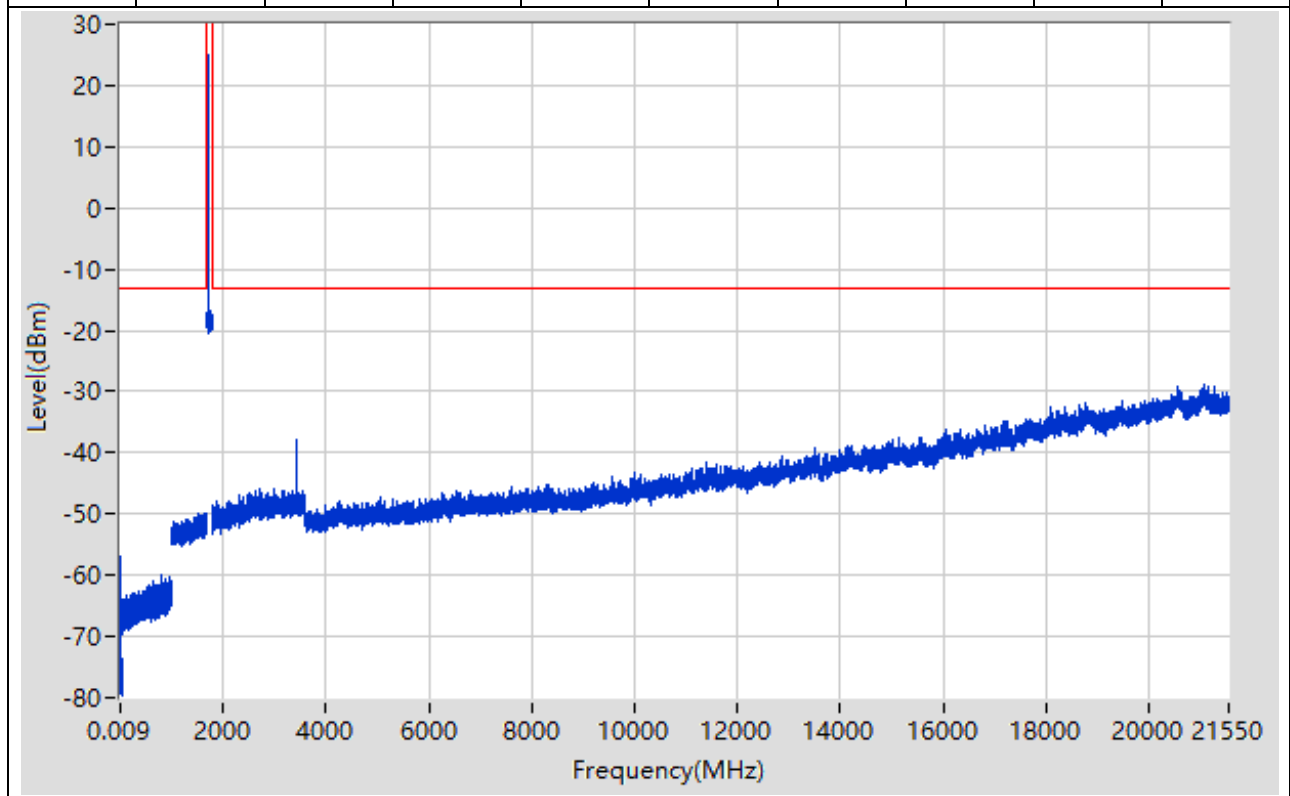
**2.6. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:6, Channel:20375, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -54.1       | -13         | 41.1        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -59.81      | -13         | 46.81       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 846.4           | -60.24      | -13         | 47.24       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1546            | -49.5       | -13         | 36.5        | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1751.2          | 24.77       | 60          | 35.23       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2747            | -46.38      | -13         | 33.38       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21072           | -28.31      | -13         | 15.31       | Pass    | 18551       |



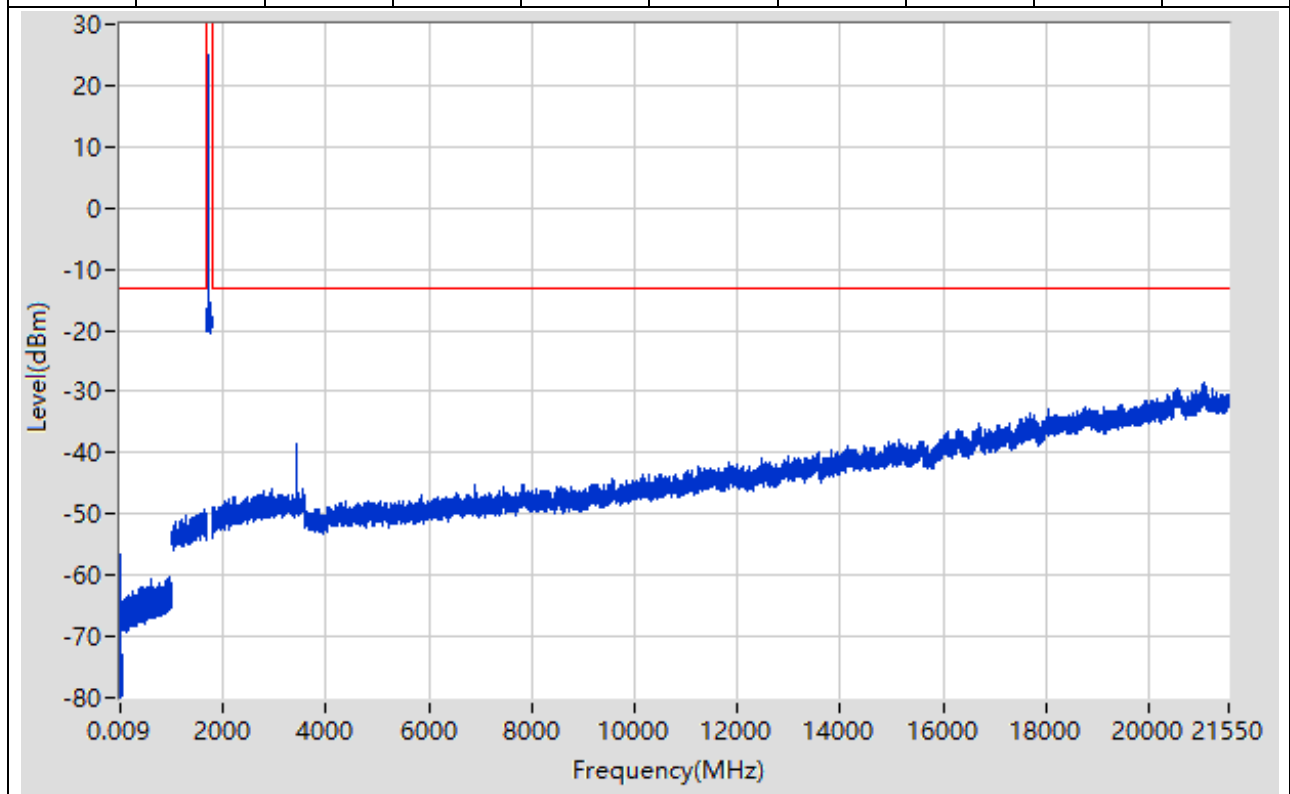
**2.7. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:7, Channel:20000, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -57.05      | -13         | 44.05       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -58.46      | -13         | 45.46       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 806.5           | -59.82      | -13         | 46.82       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1508            | -49.96      | -13         | 36.96       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1710.825        | 24.99       | 60          | 35.01       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2724            | -46         | -13         | 33          | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21074           | -29.01      | -13         | 16.01       | Pass    | 18551       |



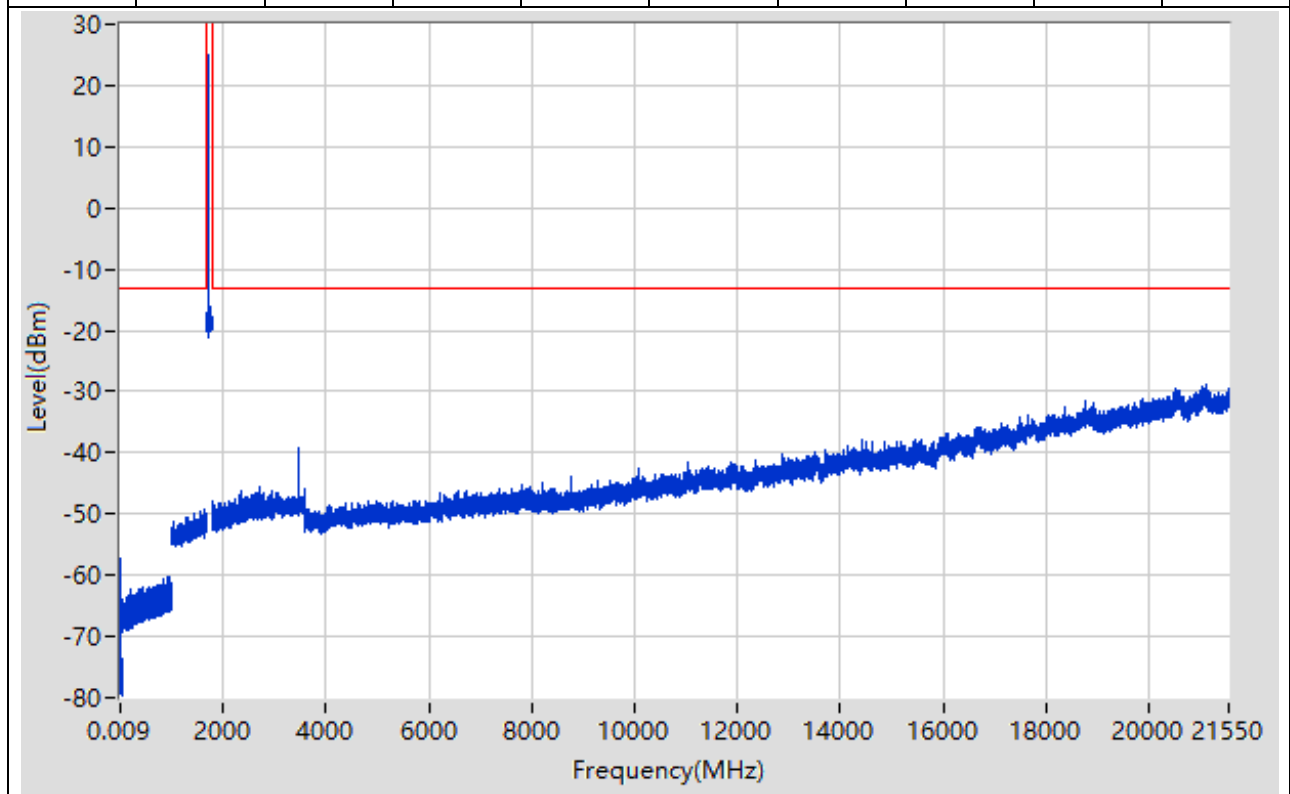
**2.8. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:8, Channel:20000, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -56.67      | -13         | 43.67       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -60.07      | -13         | 47.07       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 950.8           | -60.3       | -13         | 47.3        | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1620            | -49.3       | -13         | 36.3        | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1710.613        | 24.88       | 60          | 35.12       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2956            | -45.8       | -13         | 32.8        | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21084           | -28.56      | -13         | 15.56       | Pass    | 18551       |



**2.9. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:9, Channel:20175, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

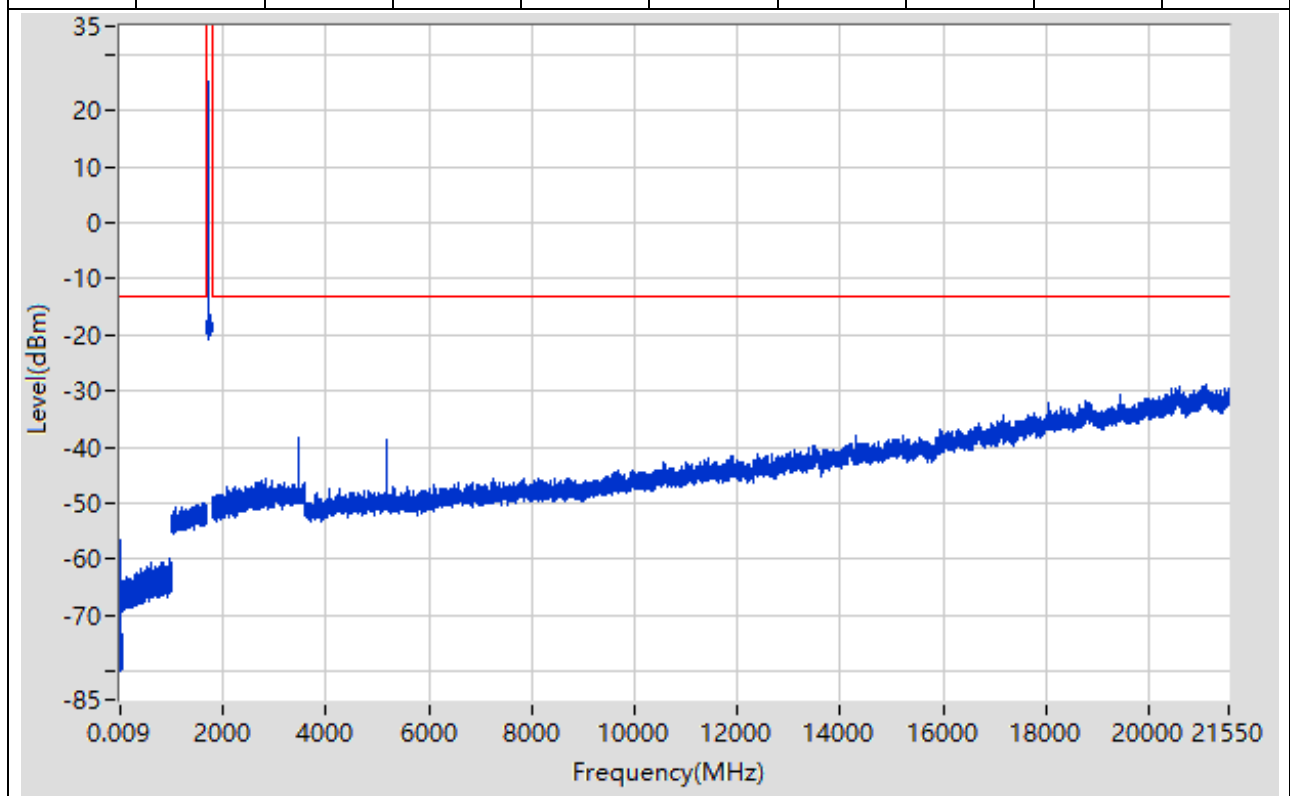
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.33      | -13         | 44.33       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.83      | -13         | 46.83       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 974.4           | -60.17      | -13         | 47.17       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1645            | -49.18      | -13         | 36.18       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1728.25         | 24.94       | 60          | 35.06       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2706            | -45.61      | -13         | 32.61       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21110           | -28.74      | -13         | 15.74       | Pass    | 18551       |



## 2.10. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:10, Channel:20175, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

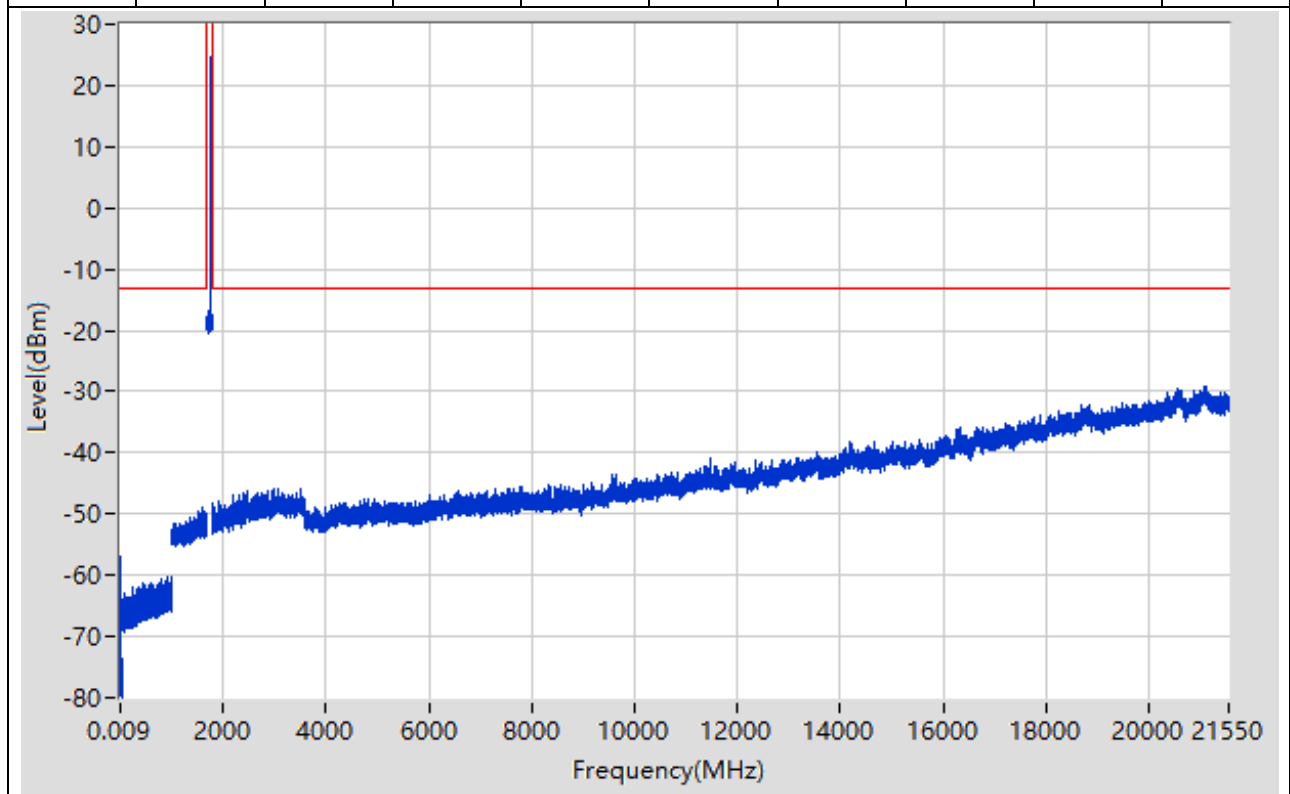
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.73      | -13         | 43.73       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.89      | -13         | 45.89       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 954.6           | -59.93      | -13         | 46.93       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1594            | -49.92      | -13         | 36.92       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1728.25         | 25.3        | 60          | 34.7        | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2838            | -45.54      | -13         | 32.54       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21093           | -28.99      | -13         | 15.99       | Pass    | 18551       |



## 2.11. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:11, Channel:20350, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

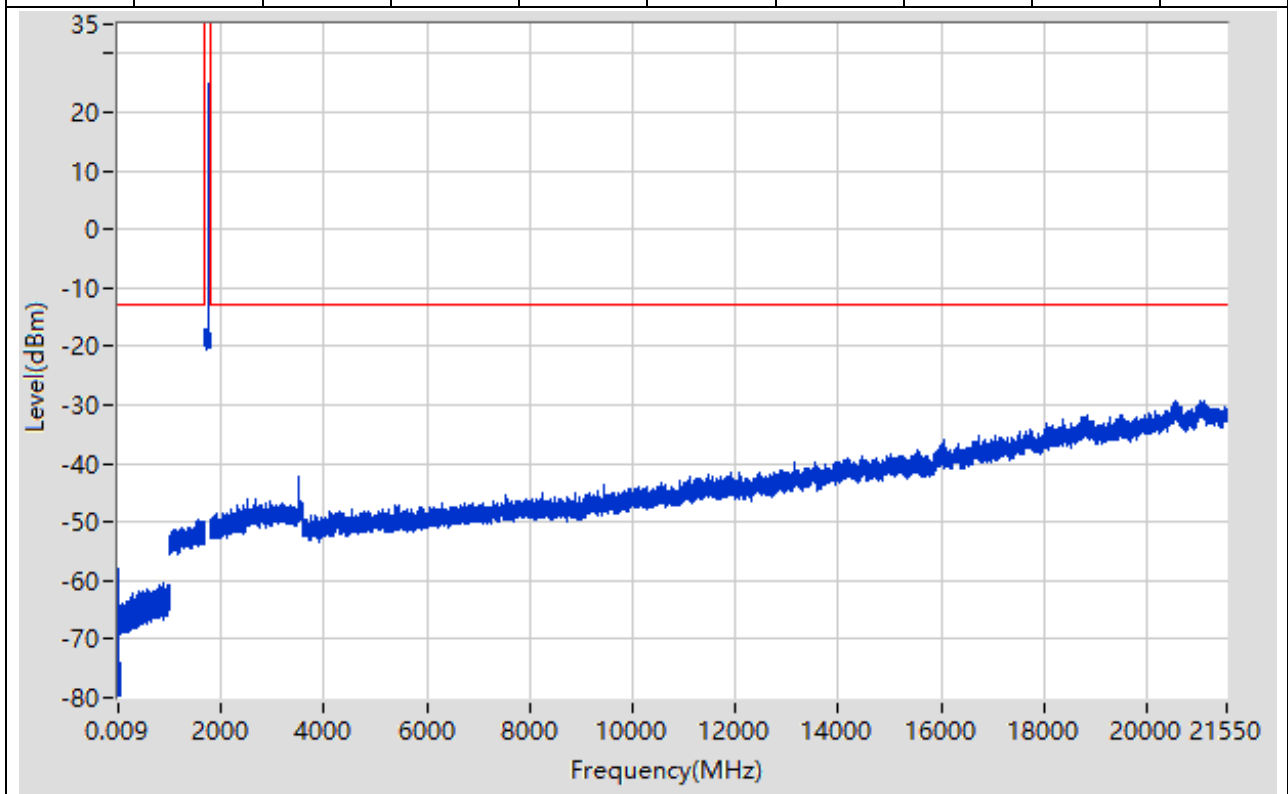
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -56.9       | -13         | 43.9        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.63      | -13         | 45.63       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 978.1           | -60.33      | -13         | 47.33       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1611            | -48.87      | -13         | 35.87       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1746.738        | 24.67       | 60          | 35.33       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2987            | -46.05      | -13         | 33.05       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21093           | -29.04      | -13         | 16.04       | Pass    | 18551       |



## 2.12. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:12, Channel:20350, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

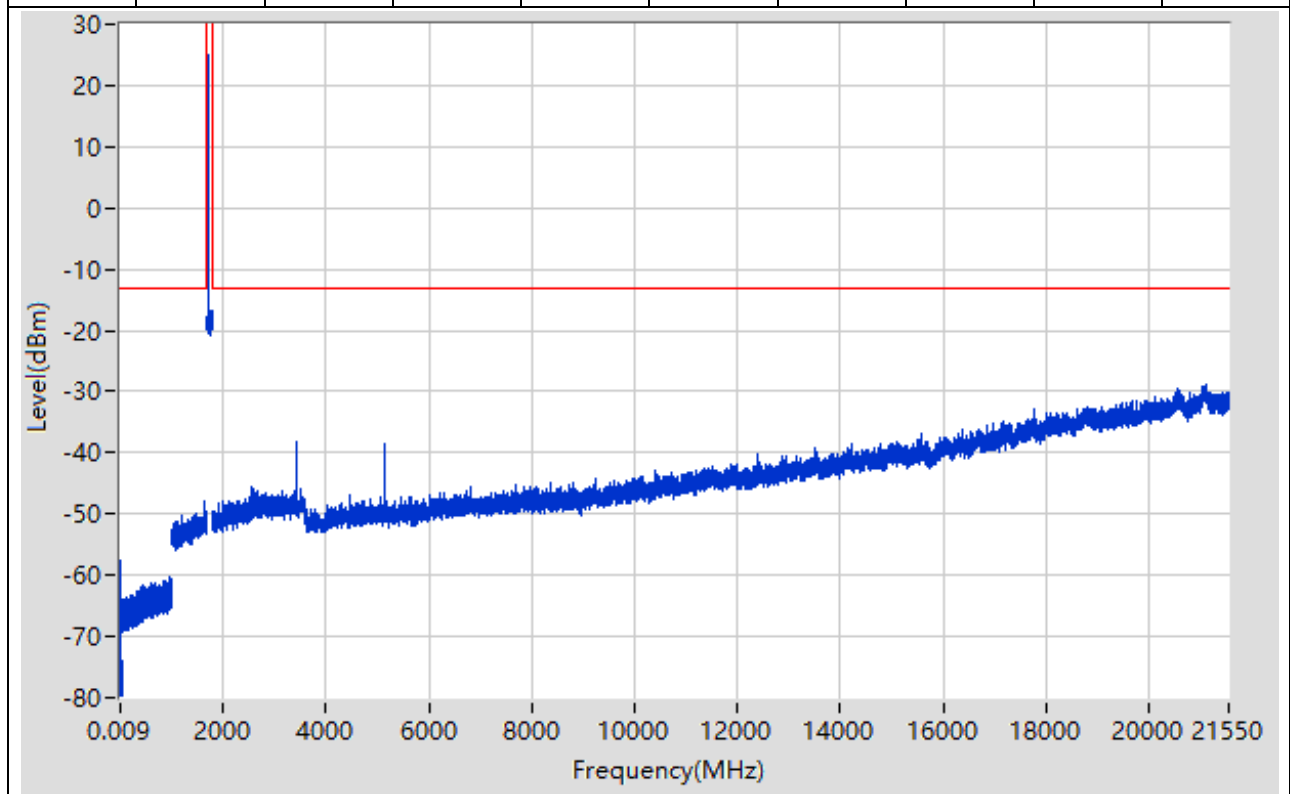
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.91      | -13         | 44.91       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.76      | -13         | 45.76       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 884.5           | -60.56      | -13         | 47.56       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1541            | -49.52      | -13         | 36.52       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1746.525        | 25.03       | 60          | 34.97       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2521            | -45.98      | -13         | 32.98       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21035           | -29.34      | -13         | 16.34       | Pass    | 18551       |



### 2.13. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:13, Channel:20025, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

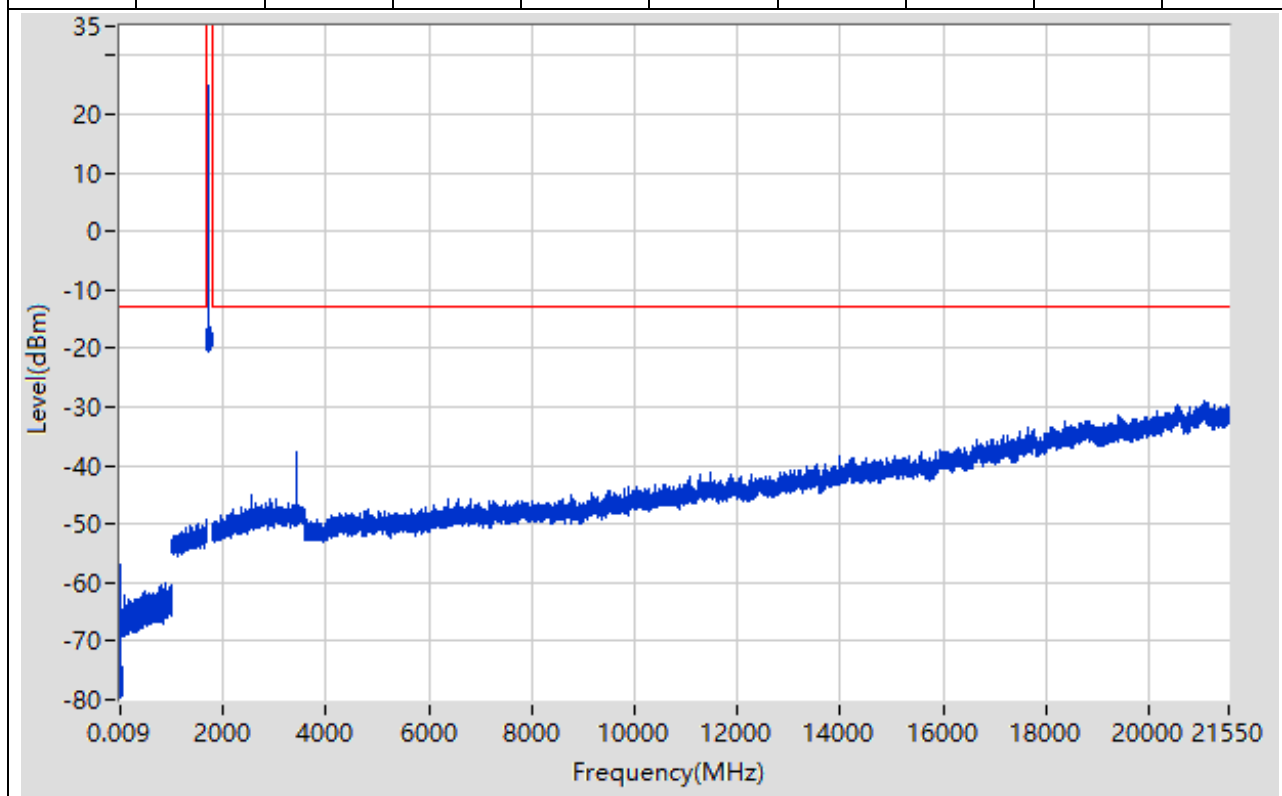
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.7       | -13         | 44.7        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.96      | -13         | 45.96       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 961.9           | -60.29      | -13         | 47.29       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1639            | -48.06      | -13         | 35.06       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1711.25         | 24.96       | 60          | 35.04       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2549            | -45.72      | -13         | 32.72       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21111           | -28.75      | -13         | 15.75       | Pass    | 18551       |



## 2.14. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:14, Channel:20025, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

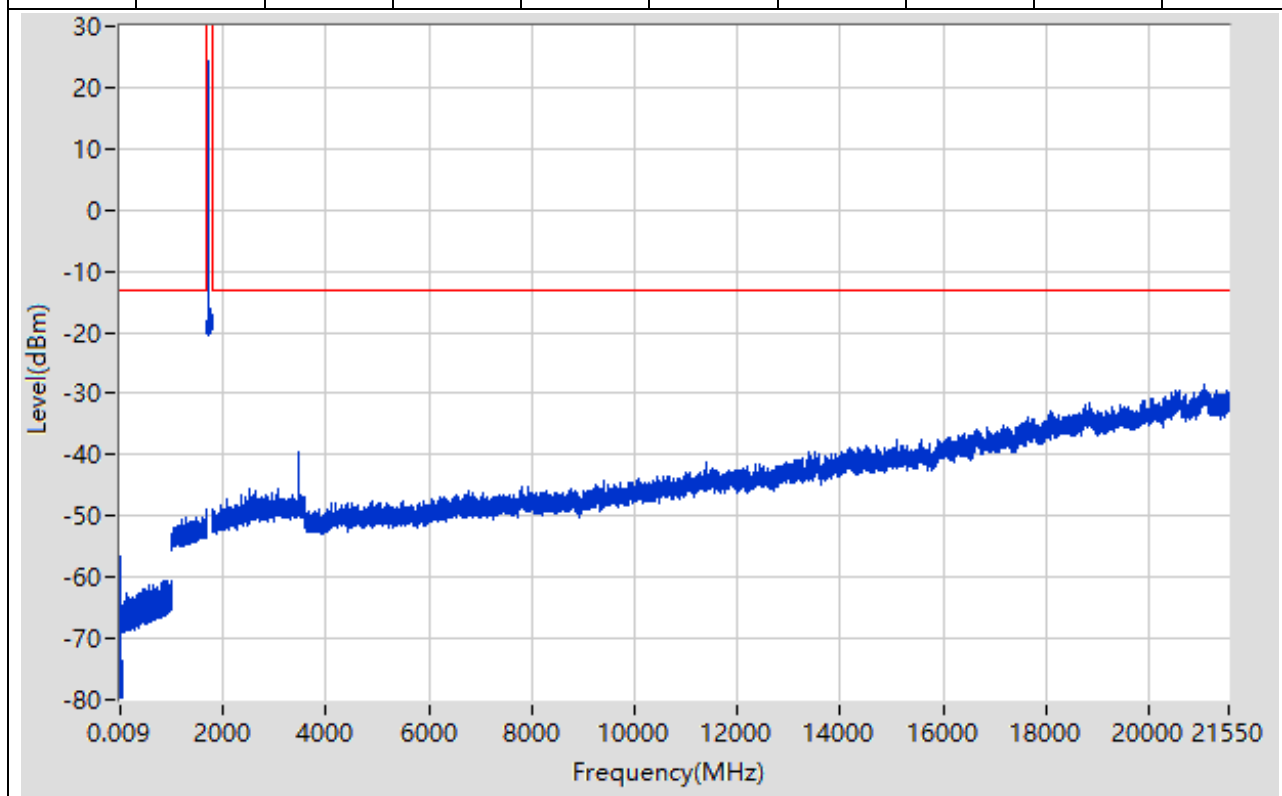
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57         | -13         | 44          | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.52      | -13         | 45.52       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 870.4           | -60.2       | -13         | 47.2        | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1686            | -49.11      | -13         | 36.11       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1710.825        | 25.03       | 60          | 34.97       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2564            | -45.07      | -13         | 32.07       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21070           | -29.03      | -13         | 16.03       | Pass    | 18551       |



## 2.15. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:15, Channel:20175, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

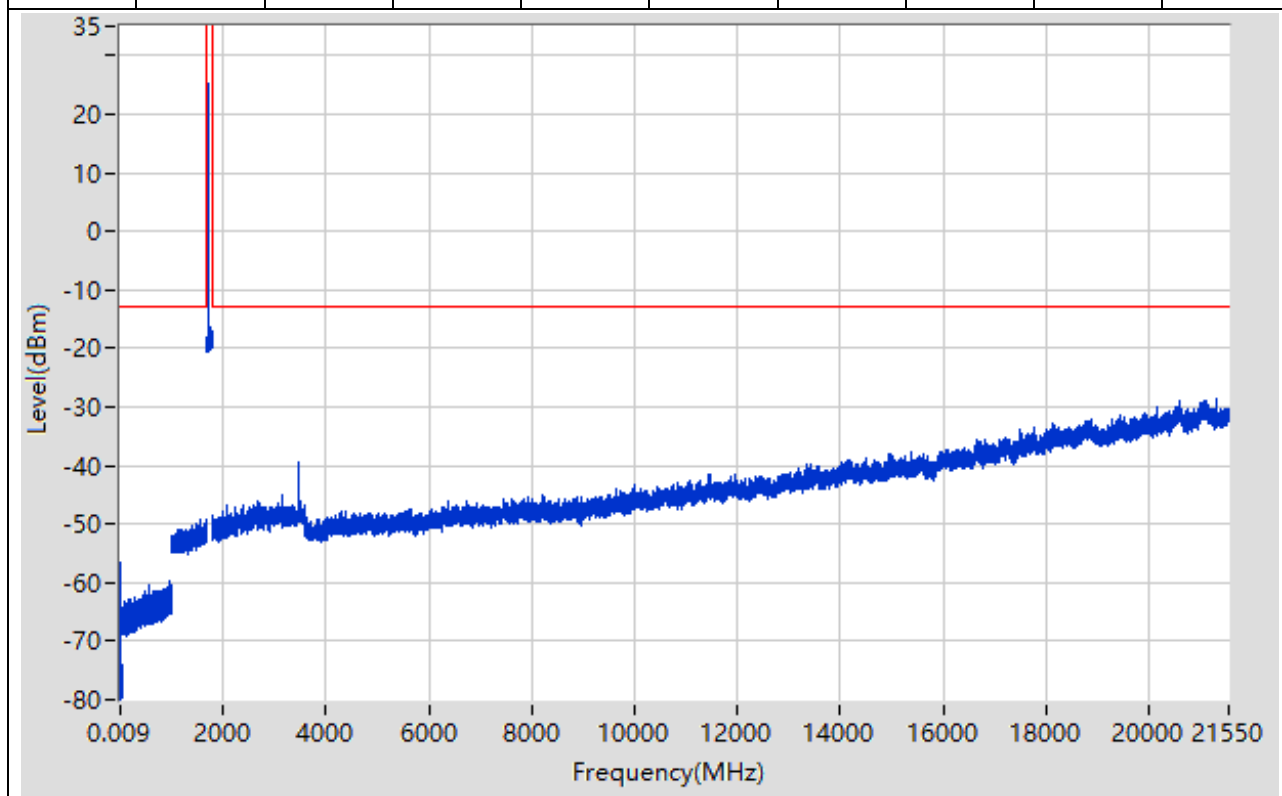
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.45      | -13         | 43.45       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.6       | -13         | 45.6        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 911.5           | -60.65      | -13         | 47.65       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1662            | -48.95      | -13         | 35.95       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1725.913        | 24.16       | 60          | 35.84       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2497            | -45.45      | -13         | 32.45       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21066           | -28.62      | -13         | 15.62       | Pass    | 18551       |



## 2.16. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:16, Channel:20175, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

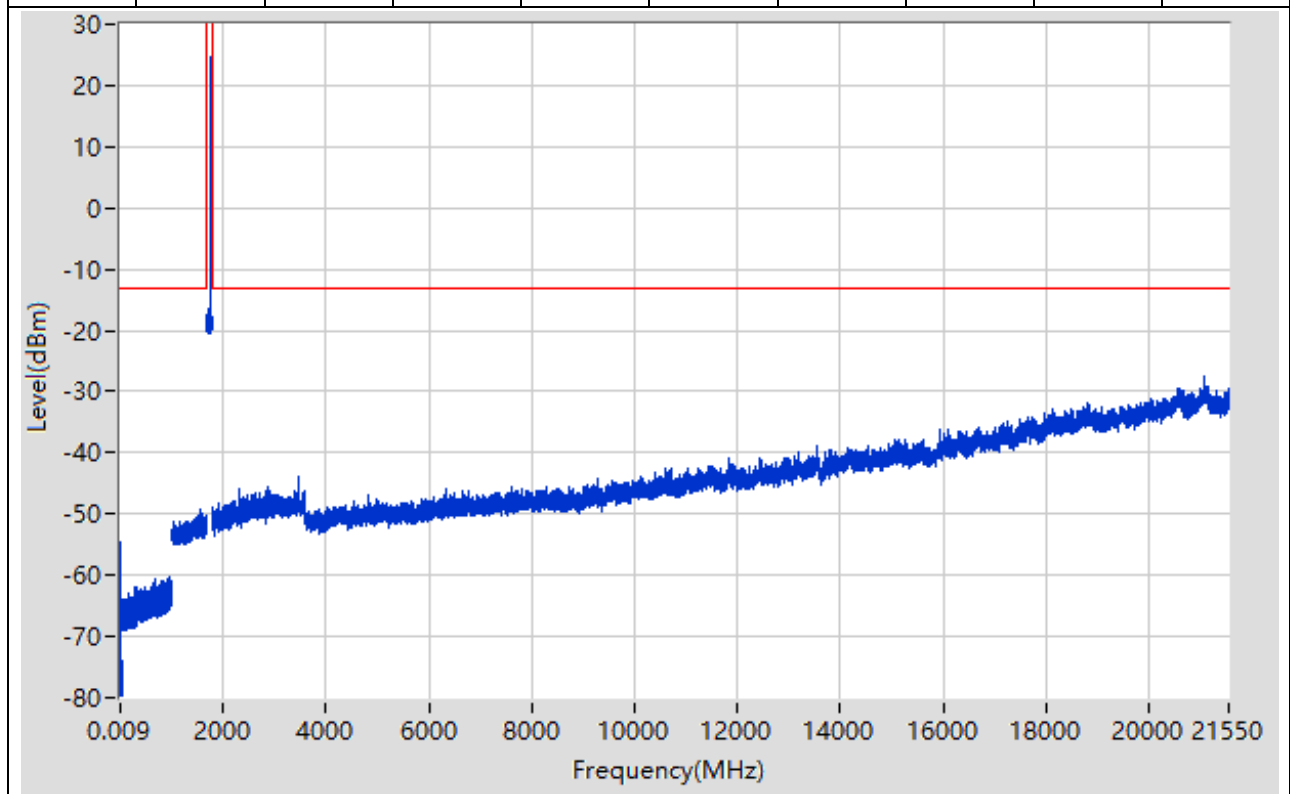
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.43      | -13         | 43.43       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.33      | -13         | 45.33       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 965.1           | -59.72      | -13         | 46.72       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1682            | -49.22      | -13         | 36.22       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1725.913        | 25.1        | 60          | 34.9        | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2678            | -46.16      | -13         | 33.16       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21313           | -28.6       | -13         | 15.6        | Pass    | 18551       |



## 2.17. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:17, Channel:20325, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

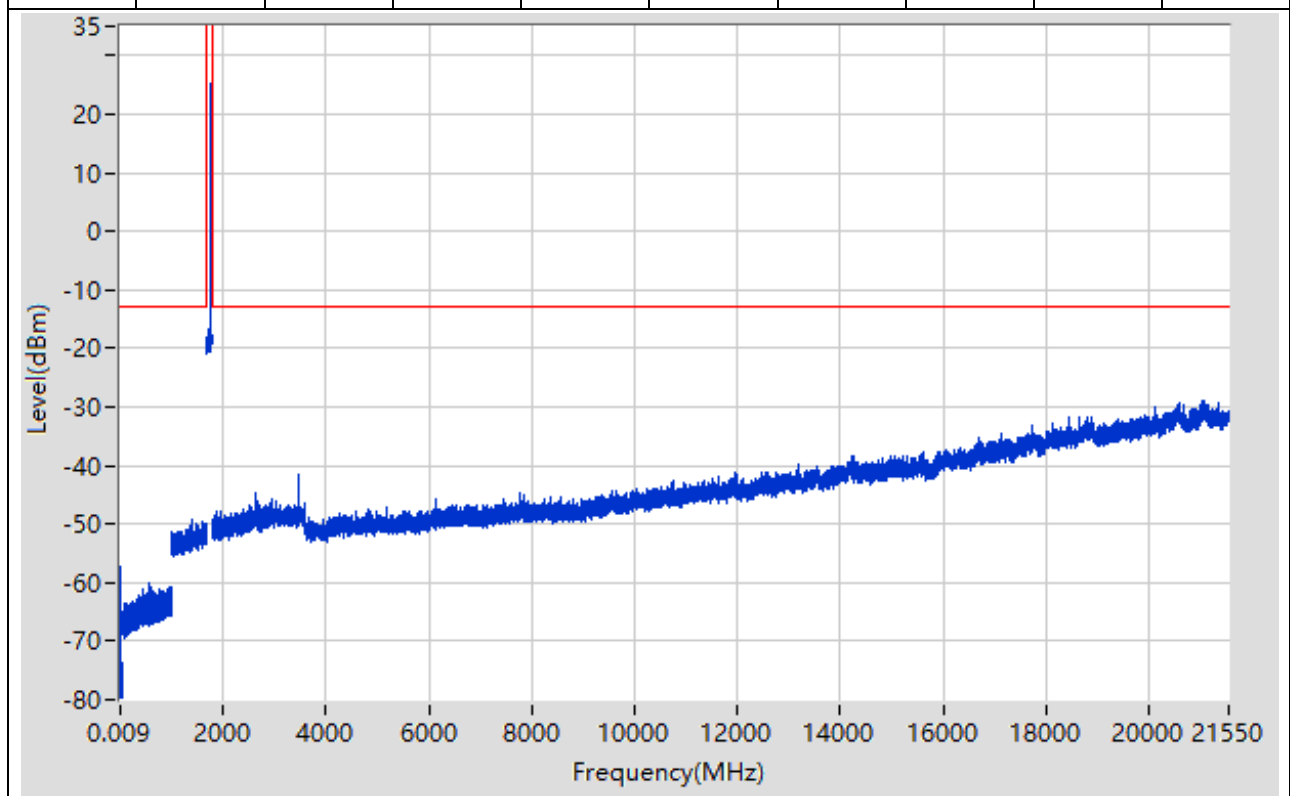
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -54.47      | -13         | 41.47       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.93      | -13         | 45.93       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 944.2           | -60.34      | -13         | 47.34       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1537            | -49.31      | -13         | 36.31       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1741.85         | 24.67       | 60          | 35.33       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2854            | -45.67      | -13         | 32.67       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21088           | -27.62      | -13         | 14.62       | Pass    | 18551       |



## 2.18. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:18, Channel:20325, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

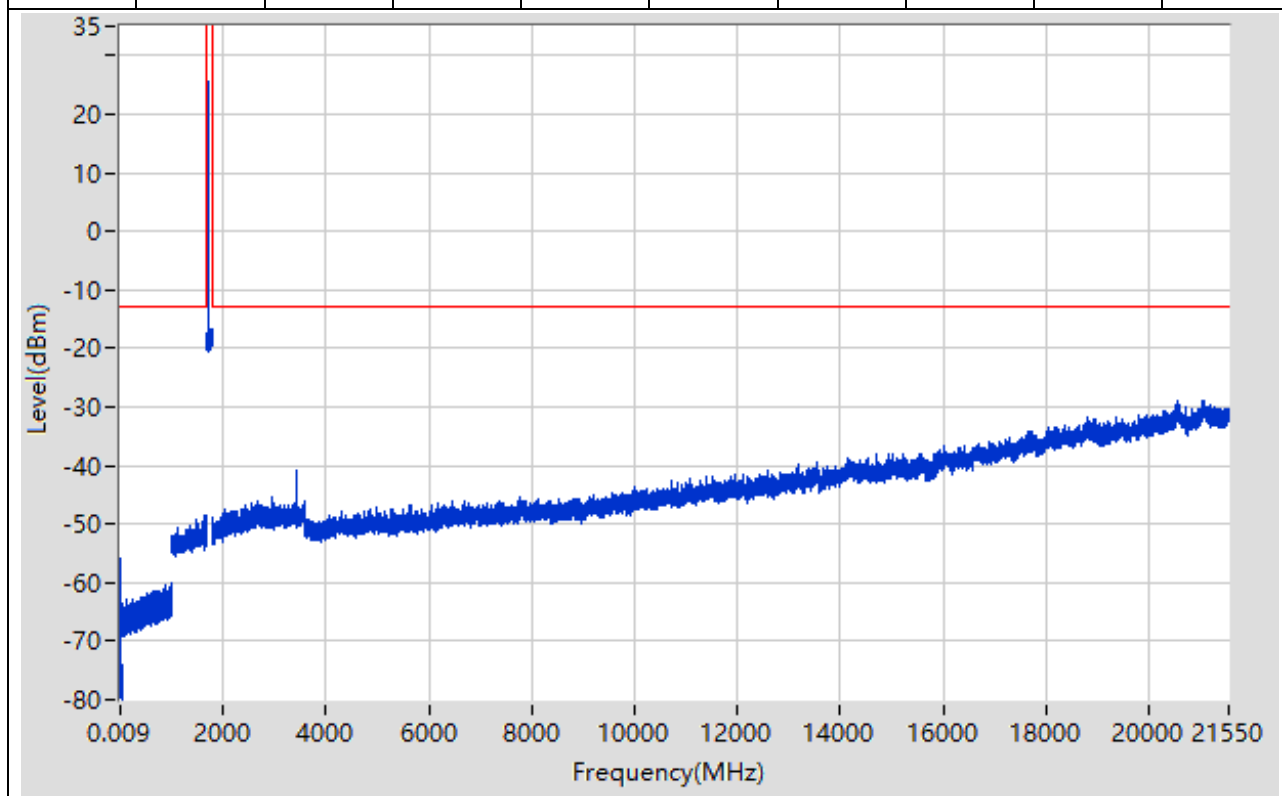
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -57.12      | -13         | 44.12       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.05      | -13         | 45.05       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 559.3           | -60.09      | -13         | 47.09       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1400            | -49.4       | -13         | 36.4        | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1741.85         | 25.28       | 60          | 34.72       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2615            | -44.65      | -13         | 31.65       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21052           | -28.92      | -13         | 15.92       | Pass    | 18551       |



## 2.19. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:19, Channel:20050, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

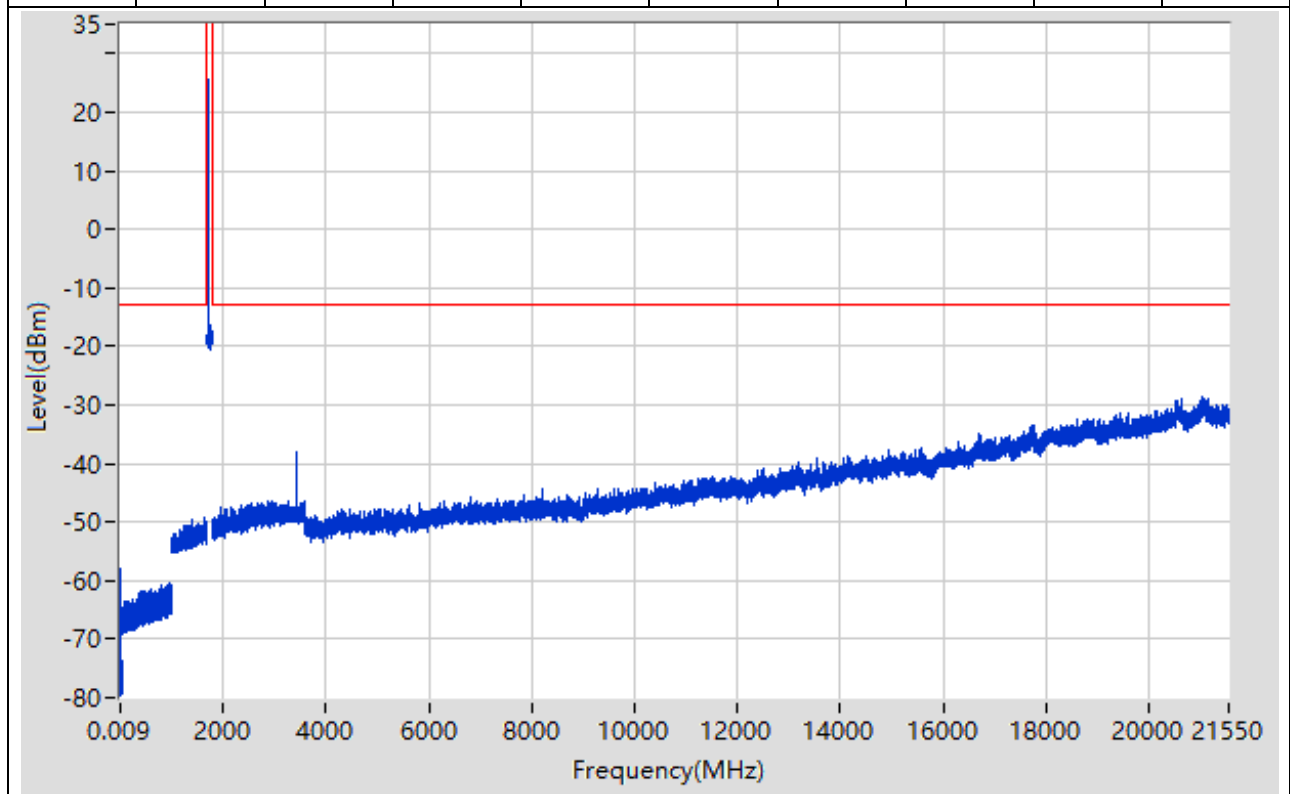
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -55.88      | -13         | 42.88       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.5       | -13         | 45.5        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 981.9           | -60.11      | -13         | 47.11       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1687            | -48.67      | -13         | 35.67       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1711.463        | 25.4        | 60          | 34.6        | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2951            | -45.3       | -13         | 32.3        | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21021           | -28.88      | -13         | 15.88       | Pass    | 18551       |



## 2.20. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:20, Channel:20050, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

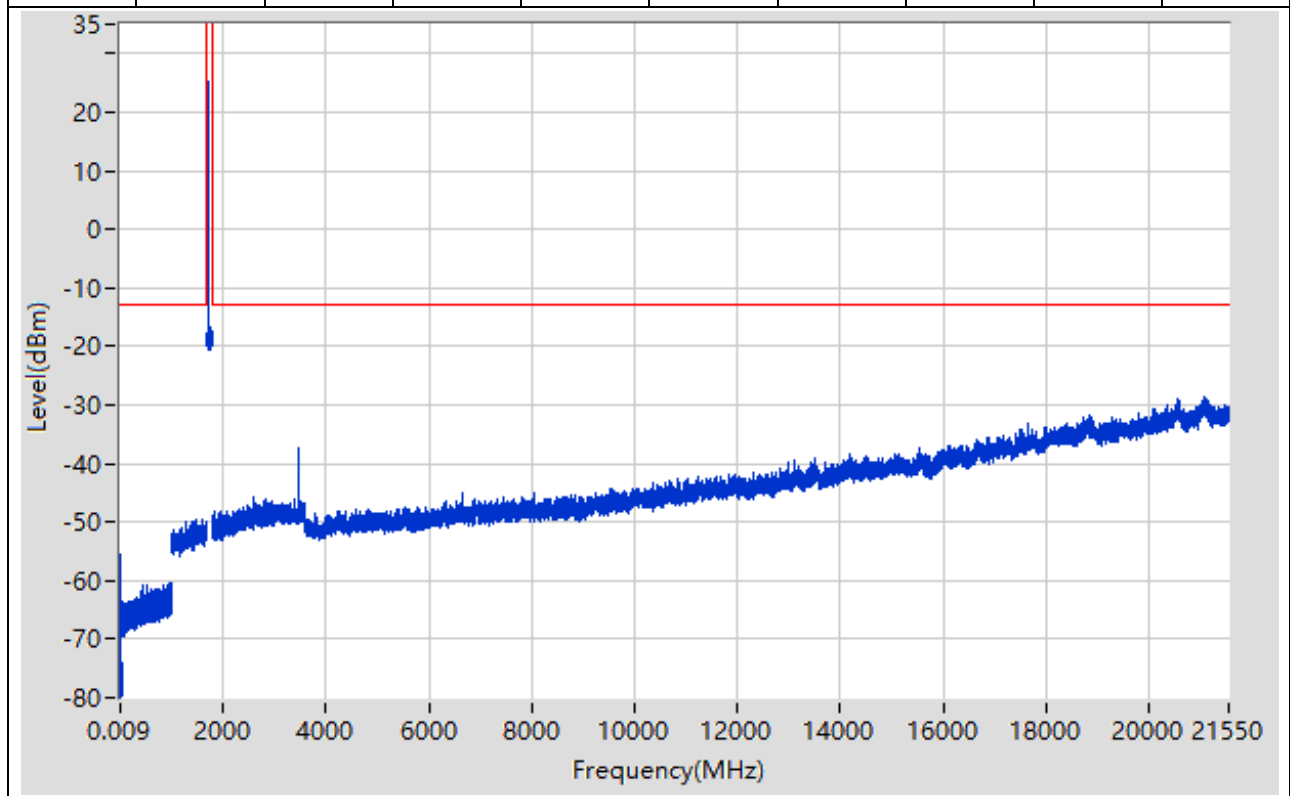
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -57.95      | -13         | 44.95       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.42      | -13         | 46.42       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 950.7           | -60.4       | -13         | 47.4        | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1622            | -49.14      | -13         | 36.14       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1711.463        | 25.62       | 60          | 34.38       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2960            | -46.47      | -13         | 33.47       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21045           | -28.47      | -13         | 15.47       | Pass    | 18551       |



## 2.21. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:21, Channel:20175, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

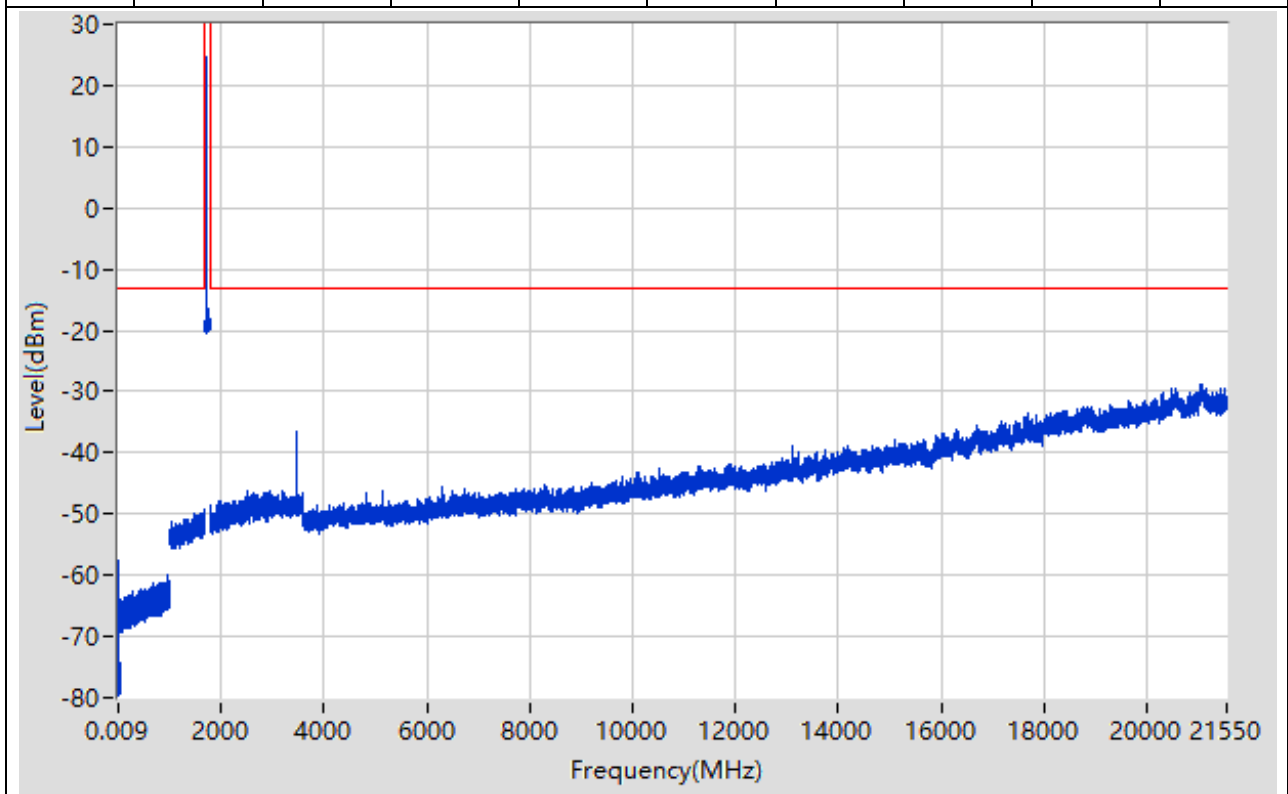
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -55.67      | -13         | 42.67       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -59.34      | -13         | 46.34       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 976.6           | -60.35      | -13         | 47.35       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1612            | -49.48      | -13         | 36.48       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1724            | 25.16       | 60          | 34.84       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2596            | -45.72      | -13         | 32.72       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21075           | -28.65      | -13         | 15.65       | Pass    | 18551       |



## 2.22. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:22, Channel:20175, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

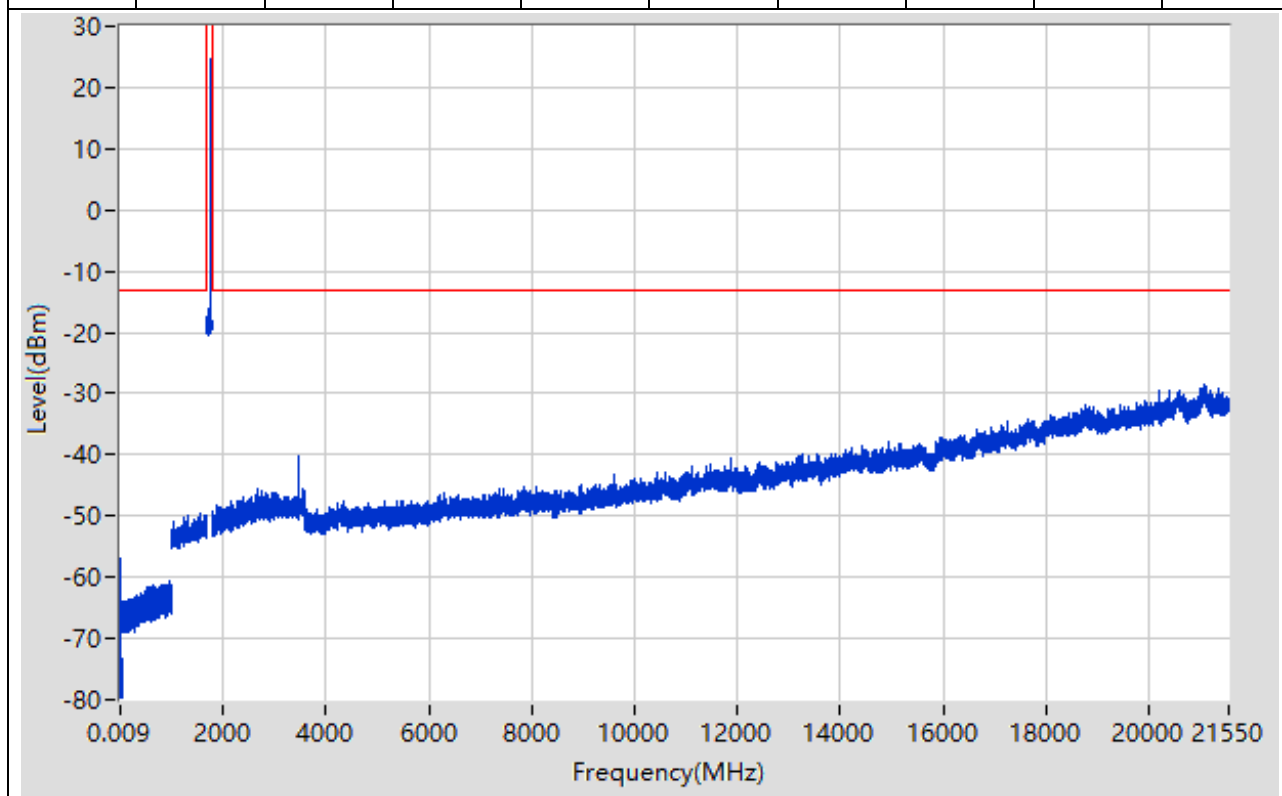
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -57.71      | -13         | 44.71       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.22      | -13         | 46.22       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 973.2           | -59.97      | -13         | 46.97       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1681            | -49.18      | -13         | 36.18       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1723.788        | 24.65       | 60          | 35.35       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2505            | -46.23      | -13         | 33.23       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21052           | -28.83      | -13         | 15.83       | Pass    | 18551       |



## 2.23. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:23, Channel:20300, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

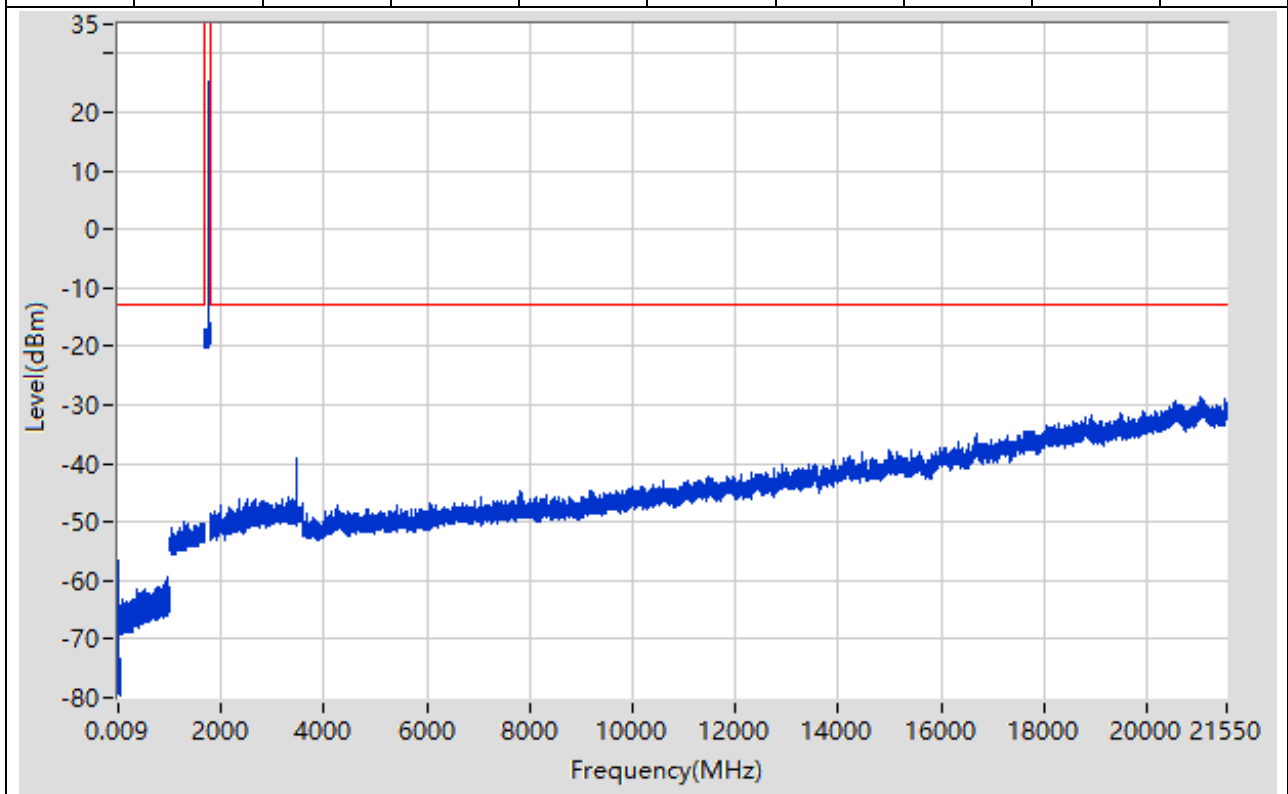
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -56.8       | -13         | 43.8        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -59.23      | -13         | 46.23       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 946.2           | -60.77      | -13         | 47.77       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1565            | -49.69      | -13         | 36.69       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1737.388        | 24.79       | 60          | 35.21       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2659            | -45.5       | -13         | 32.5        | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21064           | -28.66      | -13         | 15.66       | Pass    | 18551       |



## 2.24. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:24, Channel:20300, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

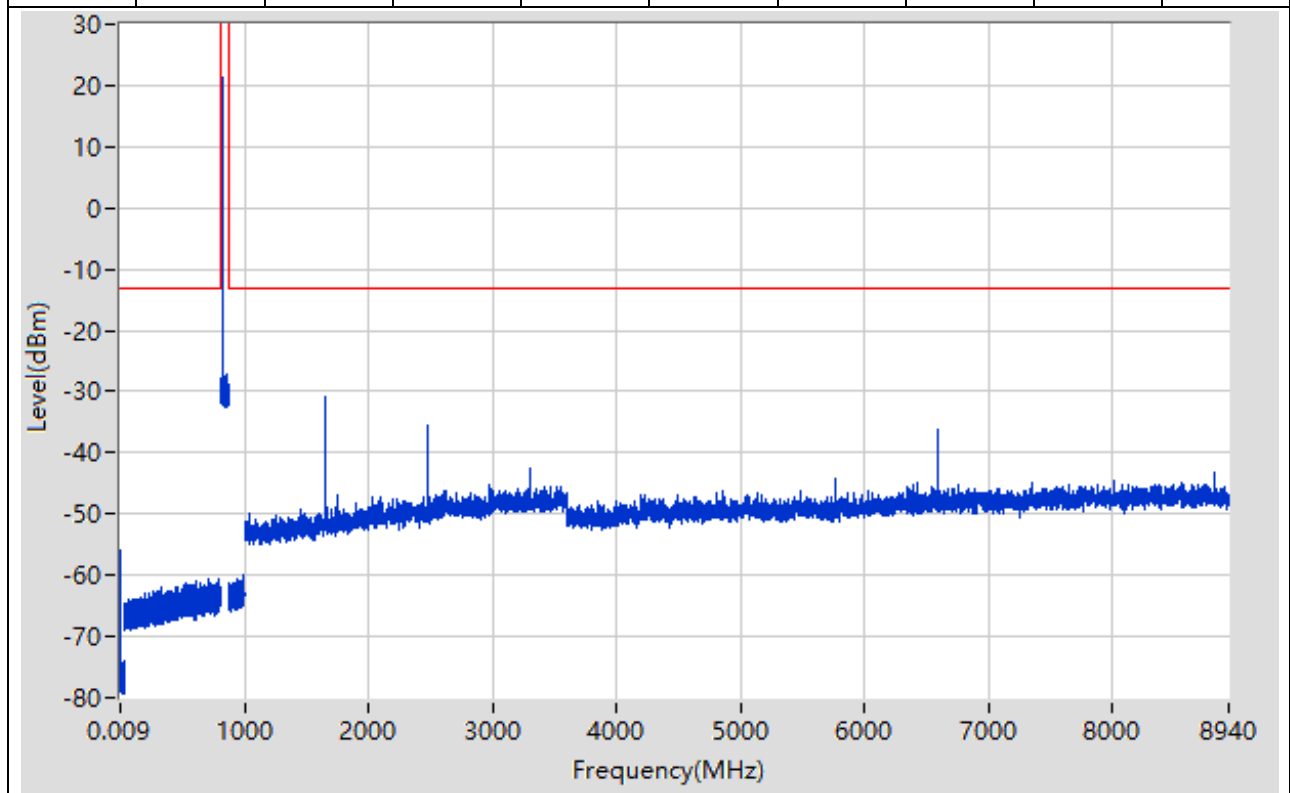
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.72      | -13         | 43.72       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.03      | -13         | 45.03       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 964             | -59.35      | -13         | 46.35       | Pass    | 9701        |
| 1000                  | 1690                 | 1         | RMS      | 1271            | -49.91      | -13         | 36.91       | Pass    | 691         |
| 1690                  | 1775                 | 1         | RMS      | 1737.388        | 25.16       | 60          | 34.84       | Pass    | 401         |
| 1775                  | 3000                 | 1         | RMS      | 2505            | -46.18      | -13         | 33.18       | Pass    | 1226        |
| 3000                  | 21550                | 1         | RMS      | 21029           | -28.72      | -13         | 15.72       | Pass    | 18551       |



### 3. Cat-M\_Band5

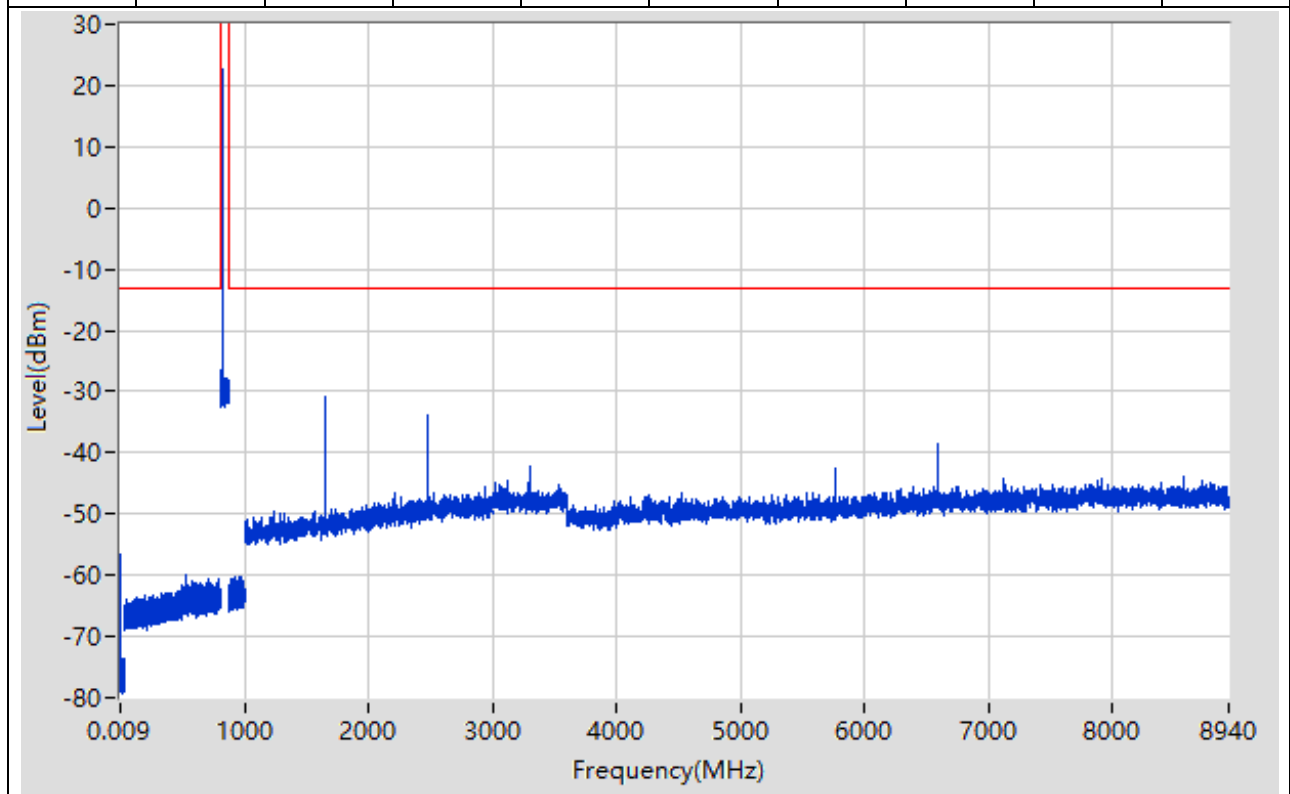
**3.1. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:1, Channel:20425, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.31      | -13         | 44.31       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -55.99      | -13         | 42.99       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 710.5           | -60.62      | -13         | 47.62       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 824.3           | 21.32       | 60          | 38.68       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 997.2           | -59.87      | -13         | 46.87       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1649            | -30.83      | -13         | 17.83       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 6595            | -36.18      | -13         | 23.18       | Pass    | 5941        |



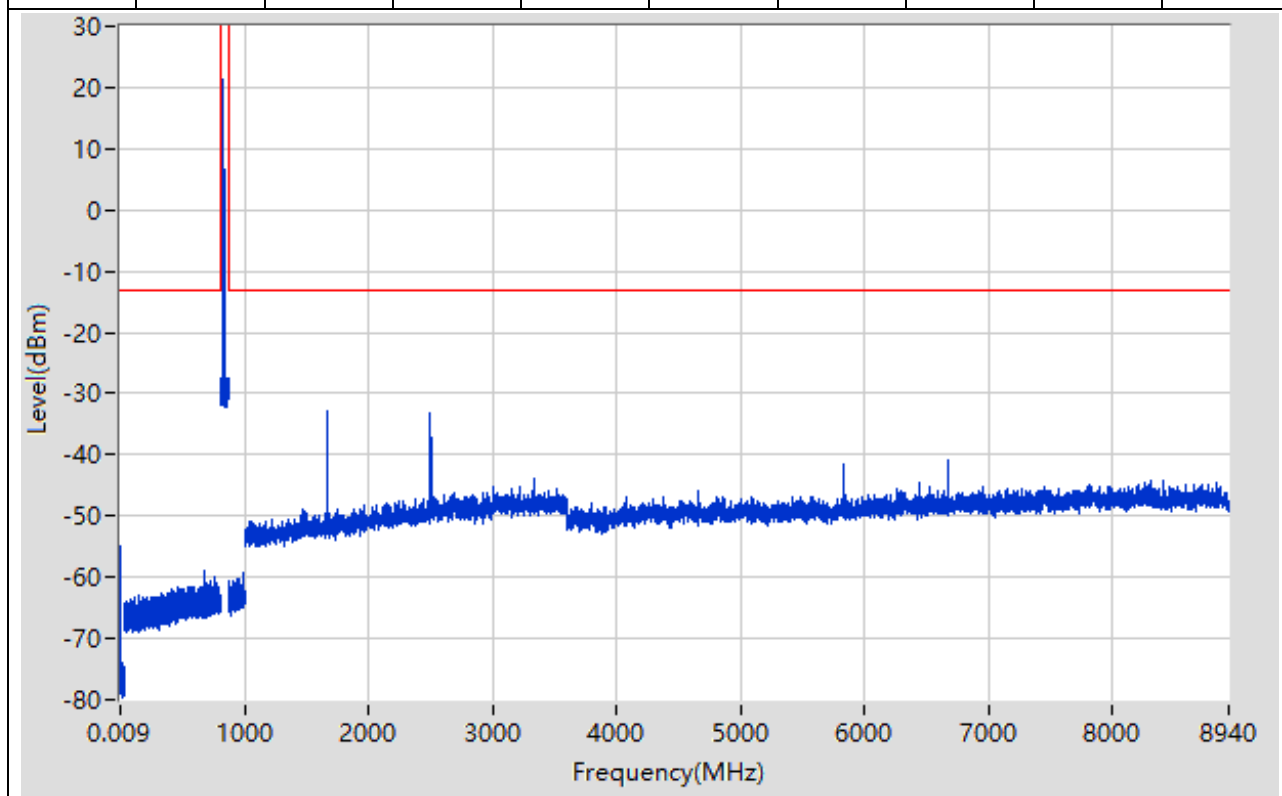
### 3.2. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:2, Channel:20425, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.58      | -13         | 43.58       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.85      | -13         | 44.85       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 534.4           | -60.06      | -13         | 47.06       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 824.3           | 22.66       | 60          | 37.34       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 977.5           | -60.23      | -13         | 47.23       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1649            | -30.89      | -13         | 17.89       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 6595            | -38.7       | -13         | 25.7        | Pass    | 5941        |



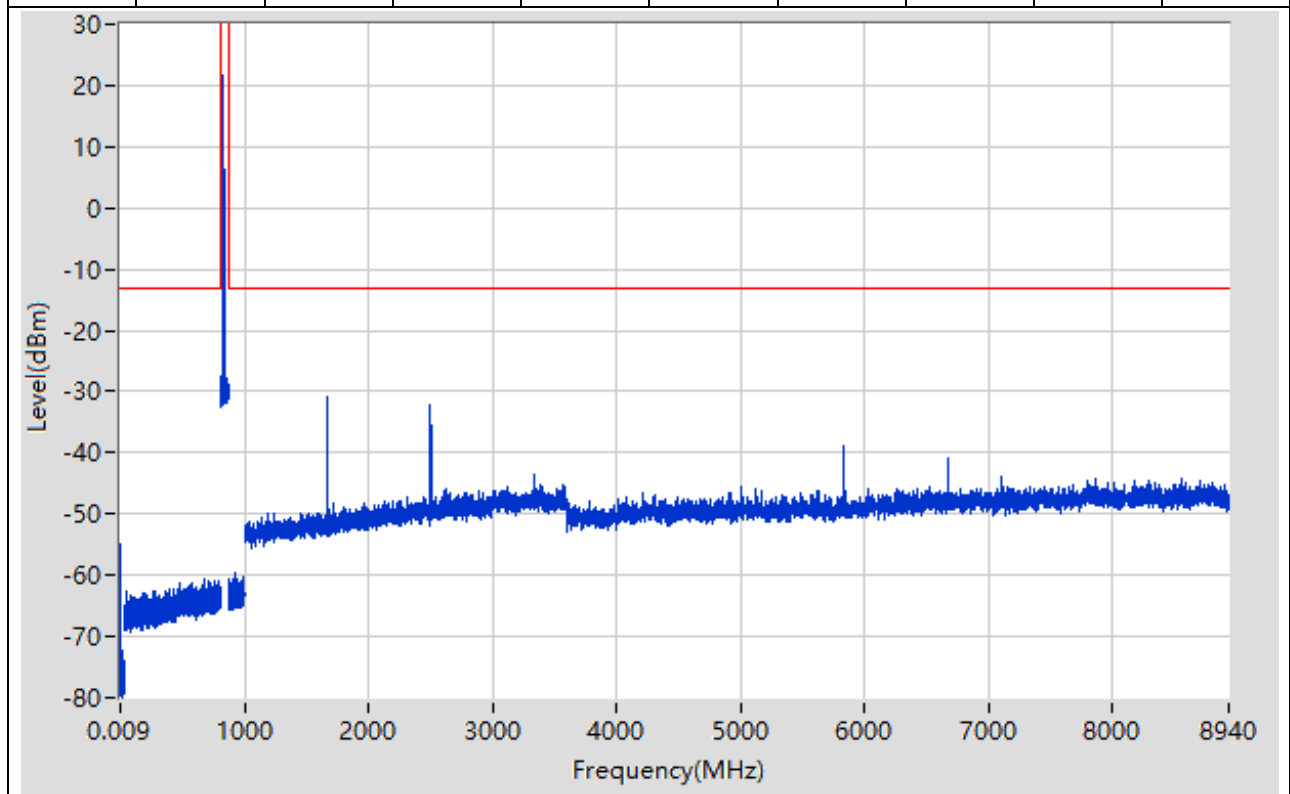
### 3.3. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:3, Channel:20525, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -55.03      | -13         | 42.03       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.16      | -13         | 43.16       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 681.6           | -58.99      | -13         | 45.99       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 834.3           | 21.38       | 60          | 38.62       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 990.8           | -59.38      | -13         | 46.38       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1669            | -32.71      | -13         | 19.71       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 6675            | -40.93      | -13         | 27.93       | Pass    | 5941        |



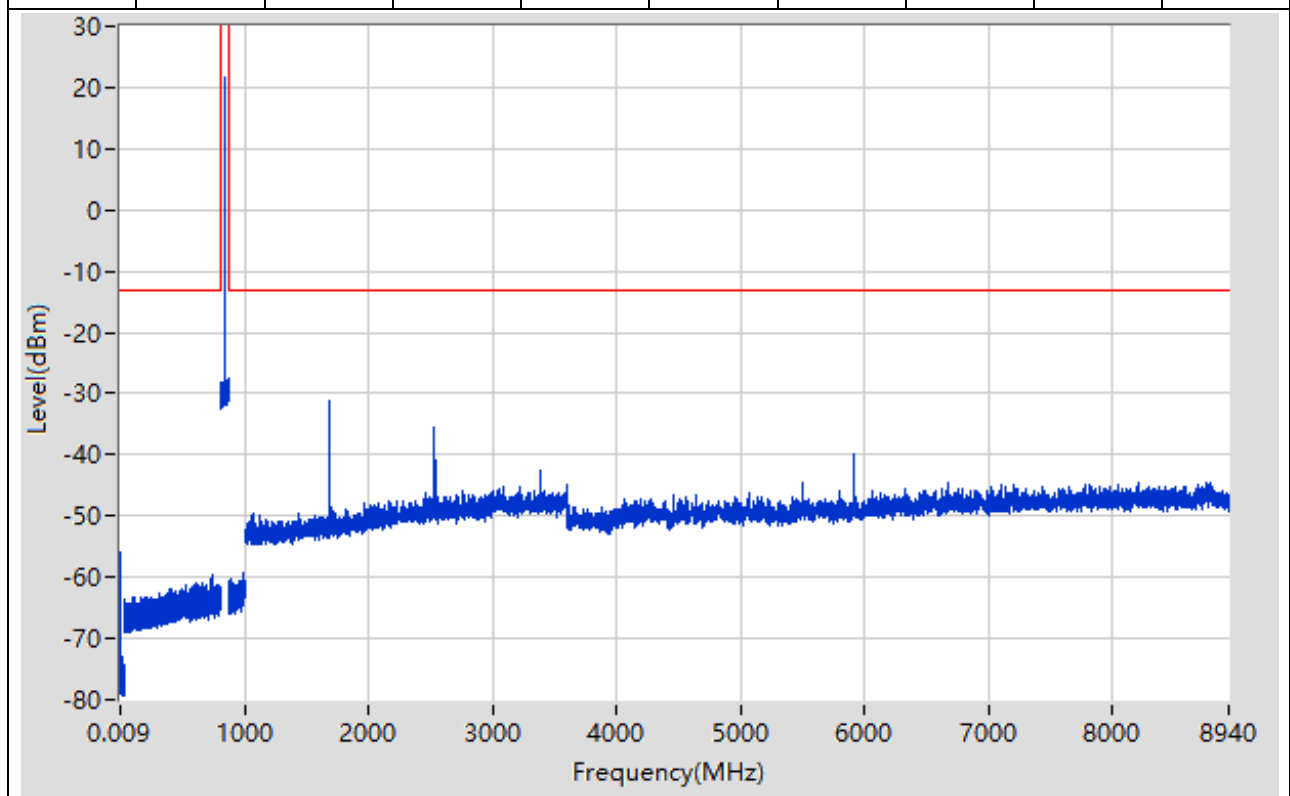
### 3.4. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:4, Channel:20525, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.37      | -13         | 44.37       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -54.88      | -13         | 41.88       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 682.1           | -60.68      | -13         | 47.68       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 834.3           | 21.79       | 60          | 38.21       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 917.3           | -59.46      | -13         | 46.46       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1669            | -30.86      | -13         | 17.86       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 5840            | -38.92      | -13         | 25.92       | Pass    | 5941        |



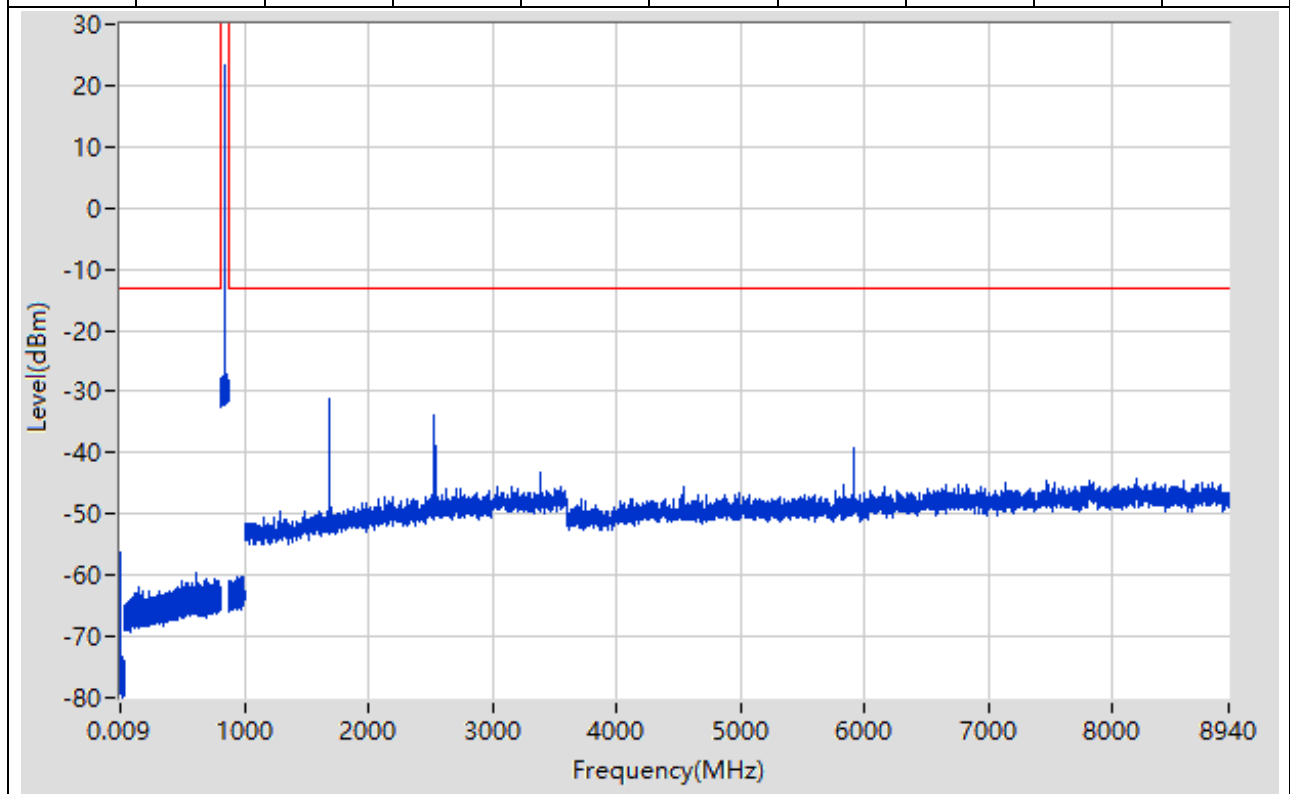
### 3.5. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:5, Channel:20625, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -55.95      | -13         | 42.95       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.54      | -13         | 43.54       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 743.4           | -59.63      | -13         | 46.63       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 845.2           | 21.64       | 60          | 38.36       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 993.2           | -59.32      | -13         | 46.32       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1691            | -31.29      | -13         | 18.29       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 5916            | -39.91      | -13         | 26.91       | Pass    | 5941        |



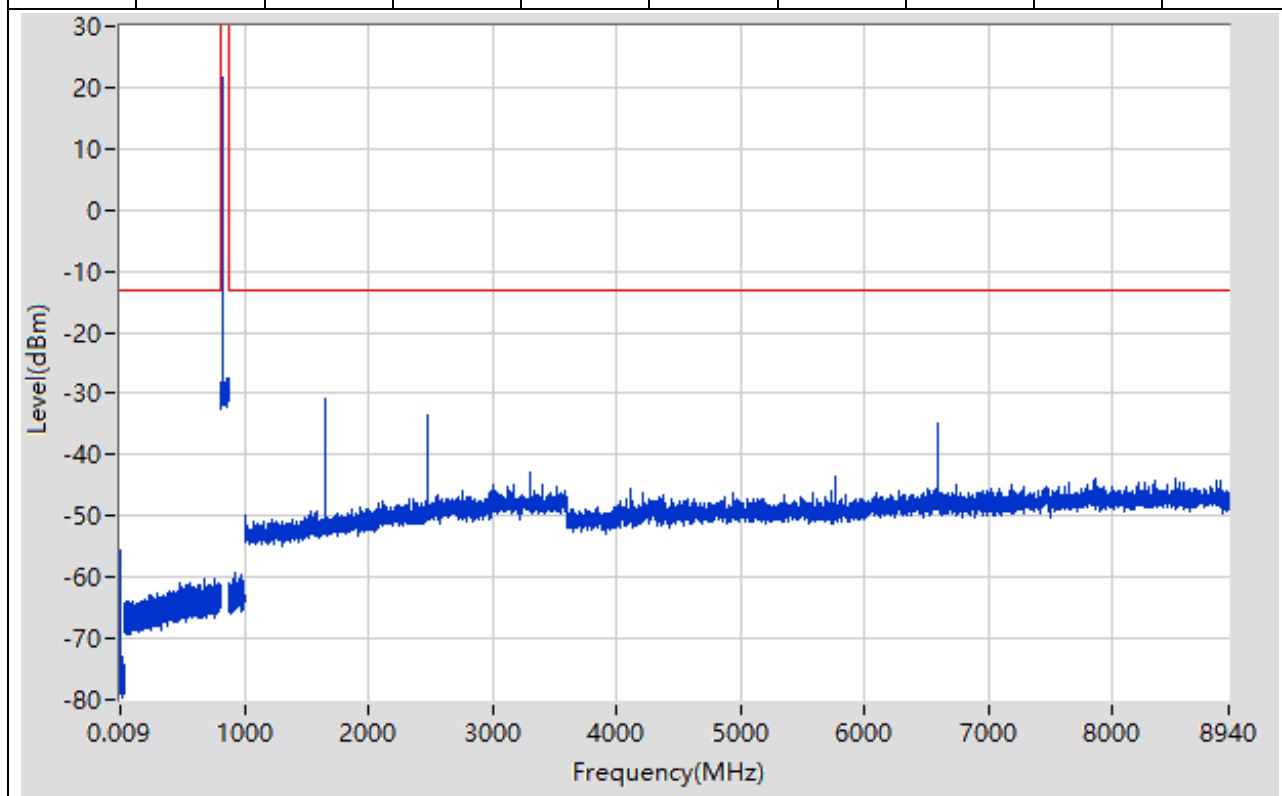
### 3.6. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:6, Channel:20625, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.41      | -13         | 43.41       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.25      | -13         | 44.25       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 619.3           | -59.72      | -13         | 46.72       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 845.2           | 23.23       | 60          | 36.77       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 967.4           | -60.28      | -13         | 47.28       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1690            | -31.05      | -13         | 18.05       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 5916            | -39.24      | -13         | 26.24       | Pass    | 5941        |



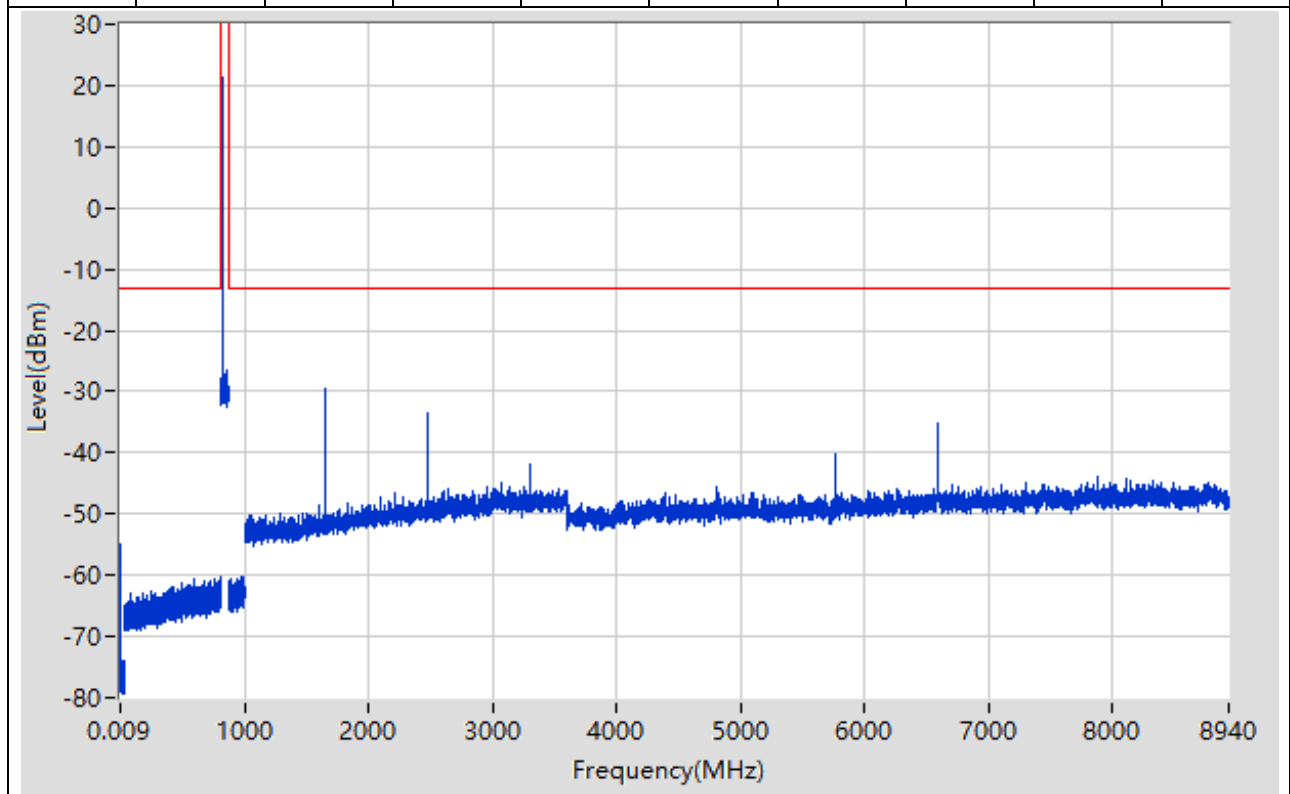
### 3.7. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:7, Channel:20450, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -56.89      | -13         | 43.89       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.68      | -13         | 42.68       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 764.2           | -60.15      | -13         | 47.15       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 824.7           | 21.65       | 60          | 38.35       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 933.2           | -59.36      | -13         | 46.36       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1649            | -30.86      | -13         | 17.86       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 6598            | -34.9       | -13         | 21.9        | Pass    | 5941        |



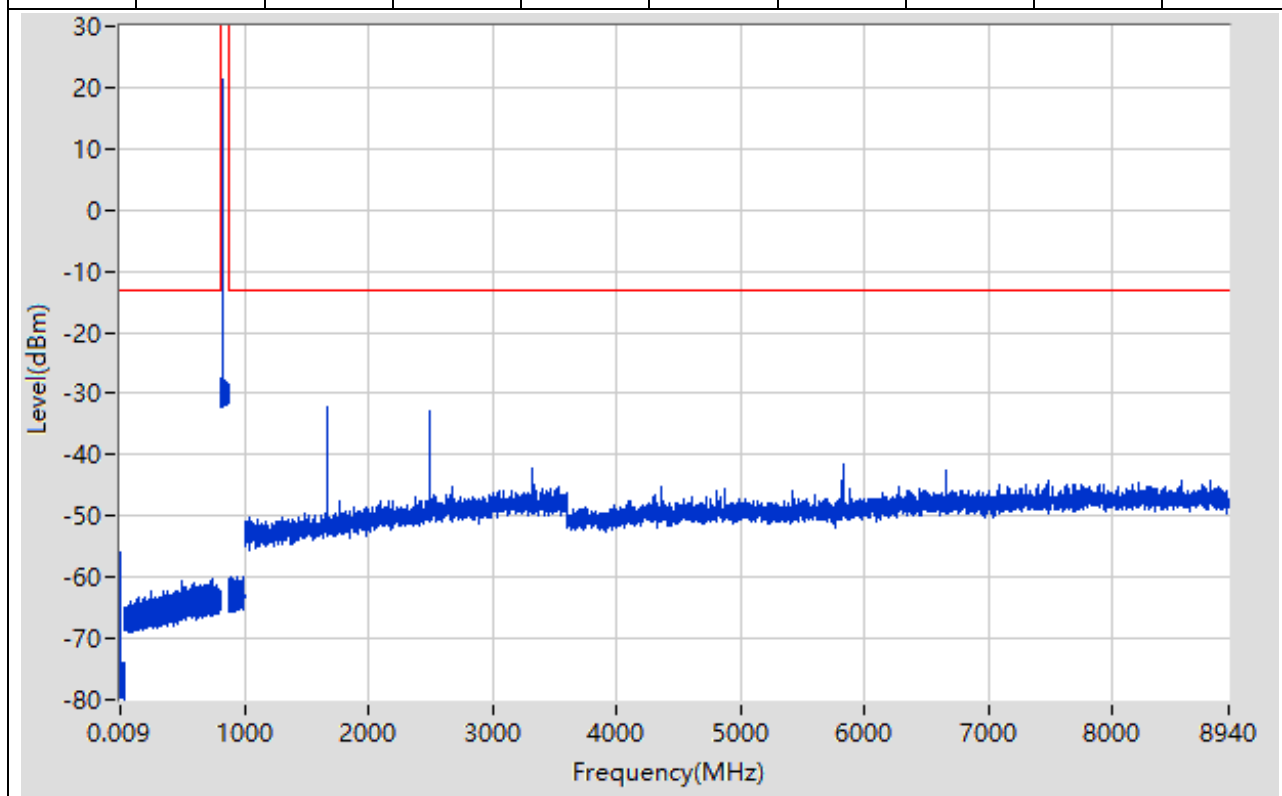
### 3.8. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:8, Channel:20450, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.57      | -13         | 43.57       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.02      | -13         | 42.02       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 804             | -60.22      | -13         | 47.22       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 824.7           | 21.39       | 60          | 38.61       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 983             | -60.12      | -13         | 47.12       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1650            | -29.5       | -13         | 16.5        | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 6598            | -35.21      | -13         | 22.21       | Pass    | 5941        |



### 3.9. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:9, Channel:20525, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

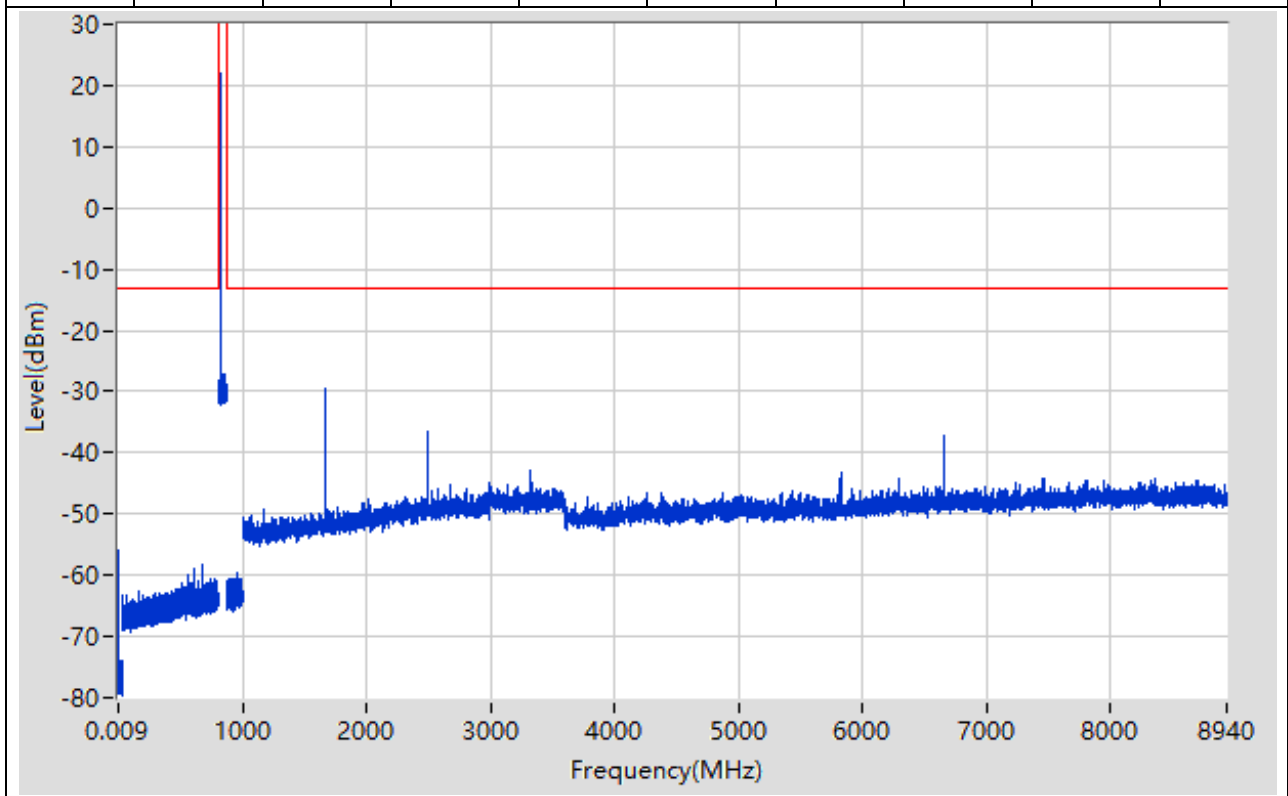
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -55.98      | -13         | 42.98       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -56.83      | -13         | 43.83       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 736.8           | -60.34      | -13         | 47.34       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 832.2           | 21.24       | 60          | 38.76       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 991.7           | -59.84      | -13         | 46.84       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1665            | -32.27      | -13         | 19.27       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 5826            | -41.53      | -13         | 28.53       | Pass    | 5941        |



### 3.10. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:10, Channel:20525, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

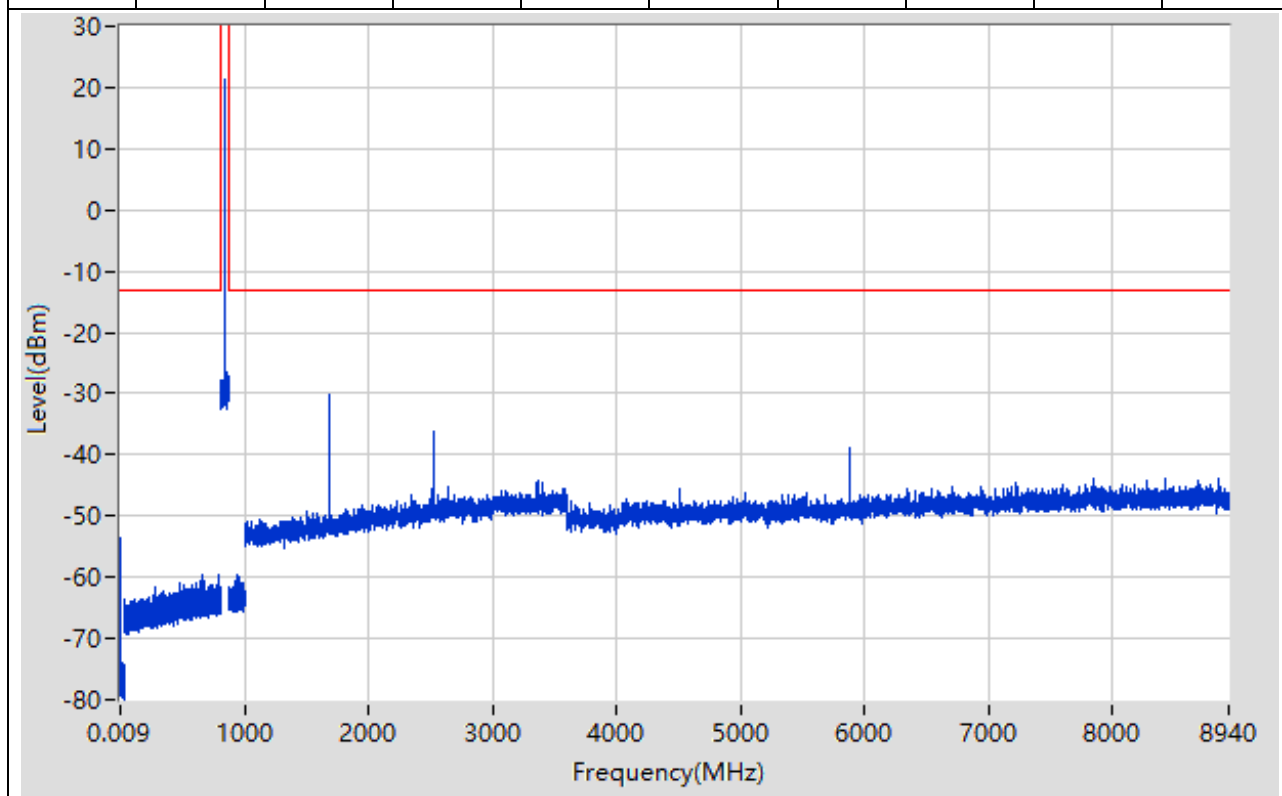
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -55.86      | -13         | 42.86       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.24      | -13         | 43.24       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 681.8           | -58.35      | -13         | 45.35       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 832.2           | 21.85       | 60          | 38.15       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 959.8           | -59.7       | -13         | 46.7        | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1665            | -29.45      | -13         | 16.45       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 6658            | -37.25      | -13         | 24.25       | Pass    | 5941        |



### 3.11. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:11, Channel:20600, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

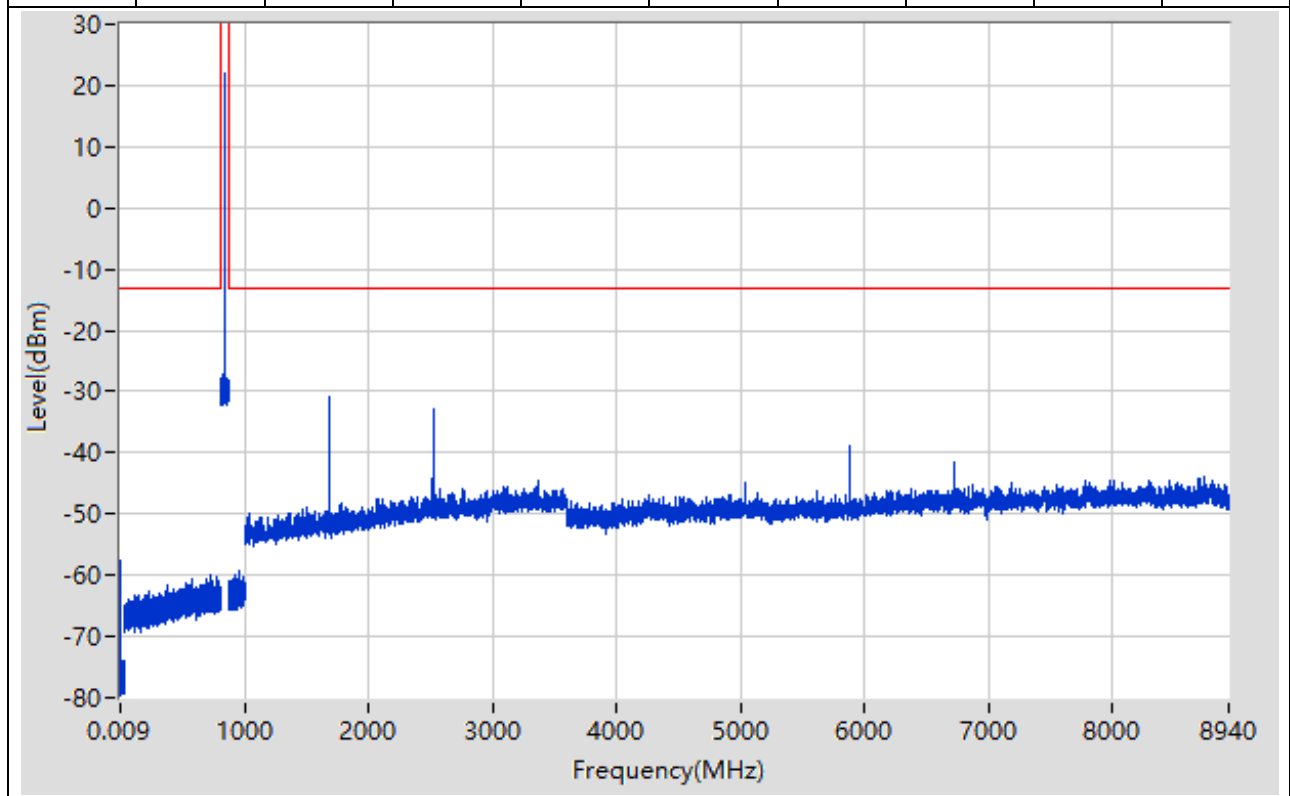
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.39      | -13         | 43.39       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -53.71      | -13         | 40.71       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 668.6           | -59.52      | -13         | 46.52       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 840.6           | 21.25       | 60          | 38.75       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 946.1           | -59.75      | -13         | 46.75       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1681            | -30.07      | -13         | 17.07       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 5885            | -38.8       | -13         | 25.8        | Pass    | 5941        |



### 3.12. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:12, Channel:20600, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

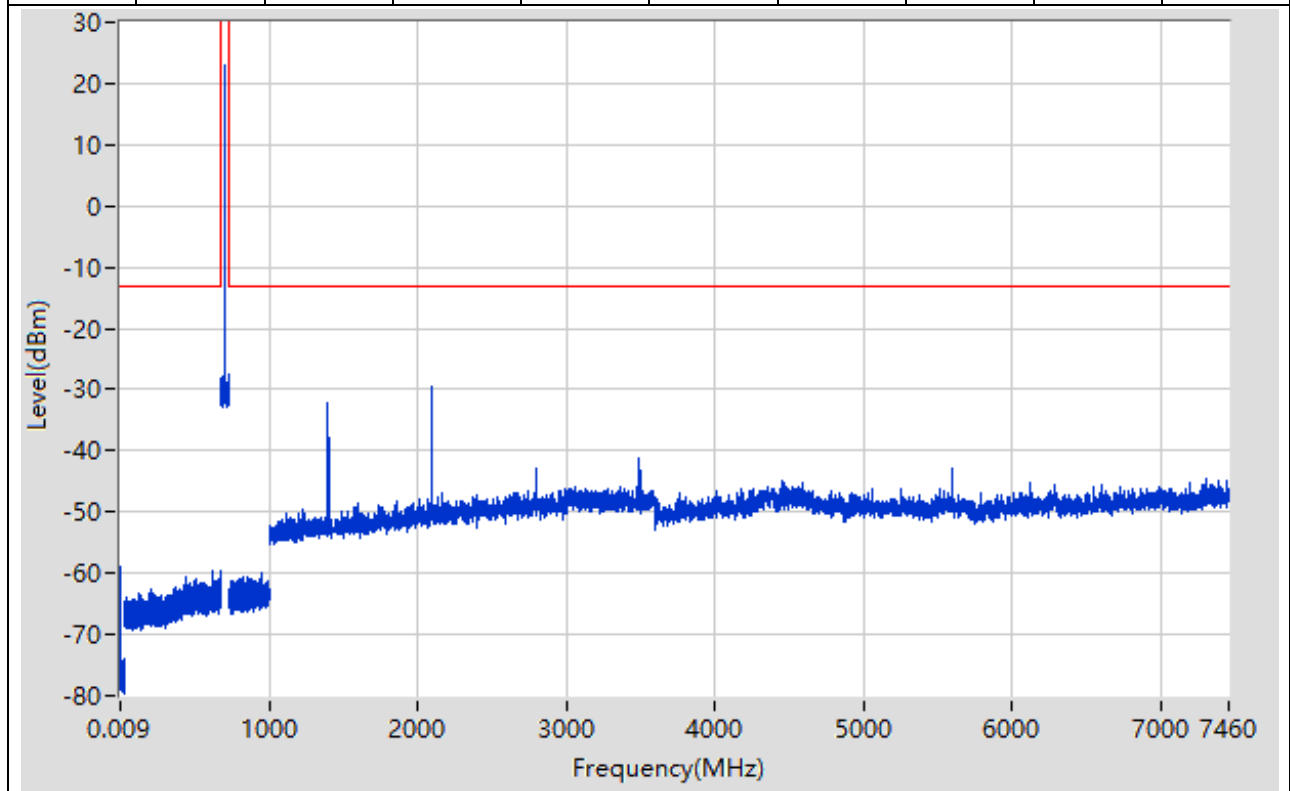
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.64      | -13         | 44.64       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.59      | -13         | 44.59       | Pass    | 2986        |
| 30                    | 804                  | 0.1       | RMS      | 735.1           | -60.03      | -13         | 47.03       | Pass    | 7741        |
| 804                   | 869                  | 0.1       | RMS      | 840.6           | 22.06       | 60          | 37.94       | Pass    | 651         |
| 869                   | 1000                 | 0.1       | RMS      | 955.8           | -59.26      | -13         | 46.26       | Pass    | 1311        |
| 1000                  | 3000                 | 1         | RMS      | 1681            | -30.96      | -13         | 17.96       | Pass    | 2001        |
| 3000                  | 8940                 | 1         | RMS      | 5885            | -38.95      | -13         | 25.95       | Pass    | 5941        |



## 4. Cat-M\_Band12

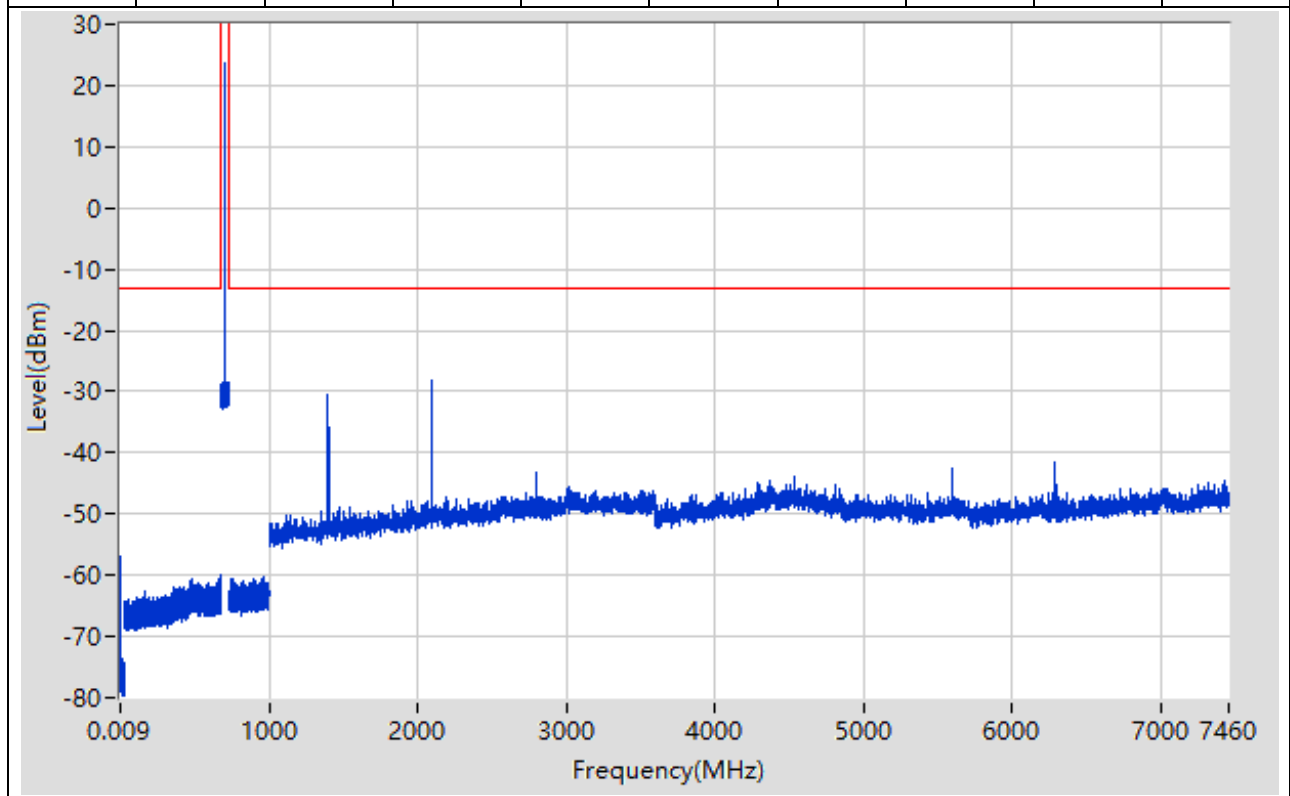
**4.1. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:1, Channel:23035, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -59.33      | -13         | 46.33       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -58.79      | -13         | 45.79       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 619.9           | -59.51      | -13         | 46.51       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 699.3           | 22.92       | 60          | 37.08       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 950.4           | -60.05      | -13         | 47.05       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2098            | -29.41      | -13         | 16.41       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 3495            | -41.36      | -13         | 28.36       | Pass    | 4461        |



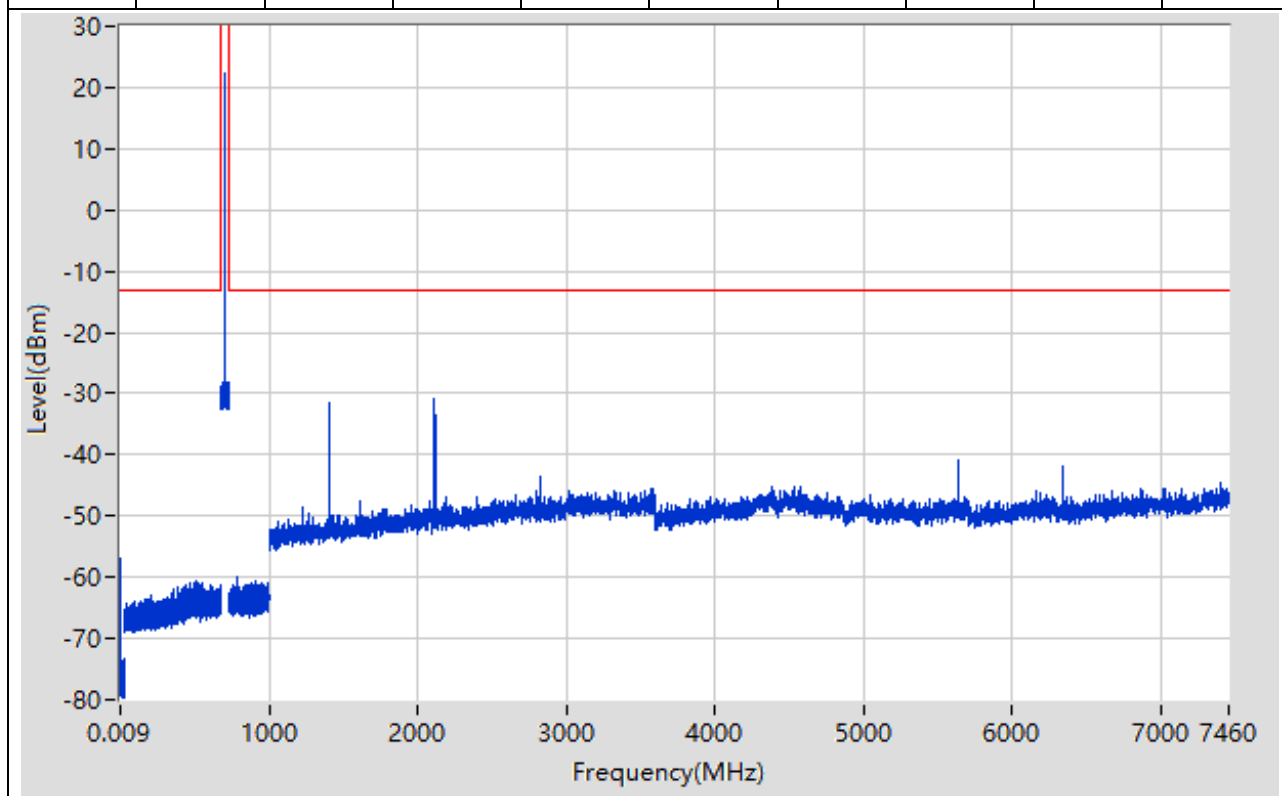
**4.2. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:2, Channel:23035, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.028           | -59.75      | -13         | 46.75       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.06      | -13         | 44.06       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 676.4           | -60.03      | -13         | 47.03       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 699.3           | 23.64       | 60          | 36.36       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 960.5           | -60.31      | -13         | 47.31       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2098            | -28.32      | -13         | 15.32       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 6294            | -41.51      | -13         | 28.51       | Pass    | 4461        |



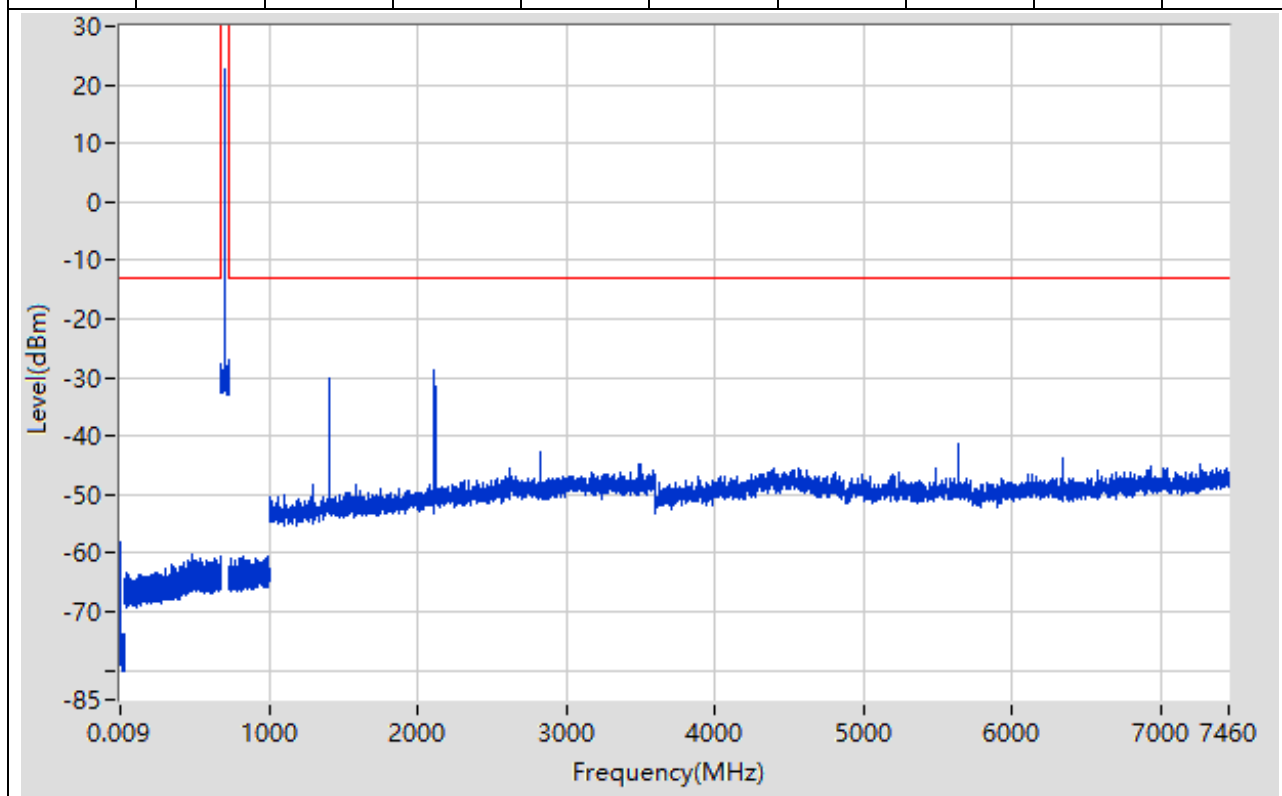
#### 4.3. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:3, Channel:23095, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -59.64      | -13         | 46.64       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.98      | -13         | 43.98       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 514.5           | -60.62      | -13         | 47.62       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 705.3           | 22.35       | 60          | 37.65       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 786.2           | -59.95      | -13         | 46.95       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2116            | -30.75      | -13         | 17.75       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5643            | -40.94      | -13         | 27.94       | Pass    | 4461        |



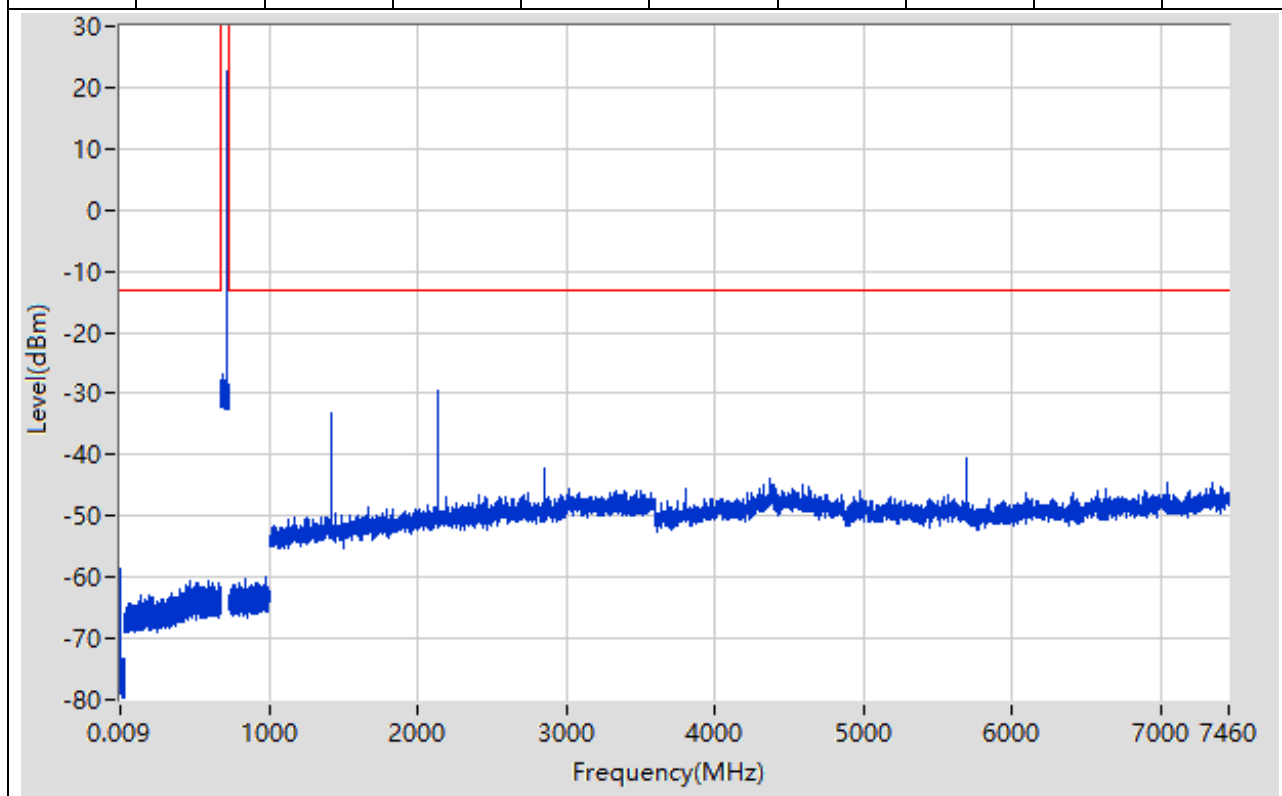
#### 4.4. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:4, Channel:23095, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -58.79      | -13         | 45.79       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.25      | -13         | 45.25       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 485.2           | -60.35      | -13         | 47.35       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 705.3           | 22.69       | 60          | 37.31       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 988.9           | -60.41      | -13         | 47.41       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2116            | -28.68      | -13         | 15.68       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5643            | -41.43      | -13         | 28.43       | Pass    | 4461        |



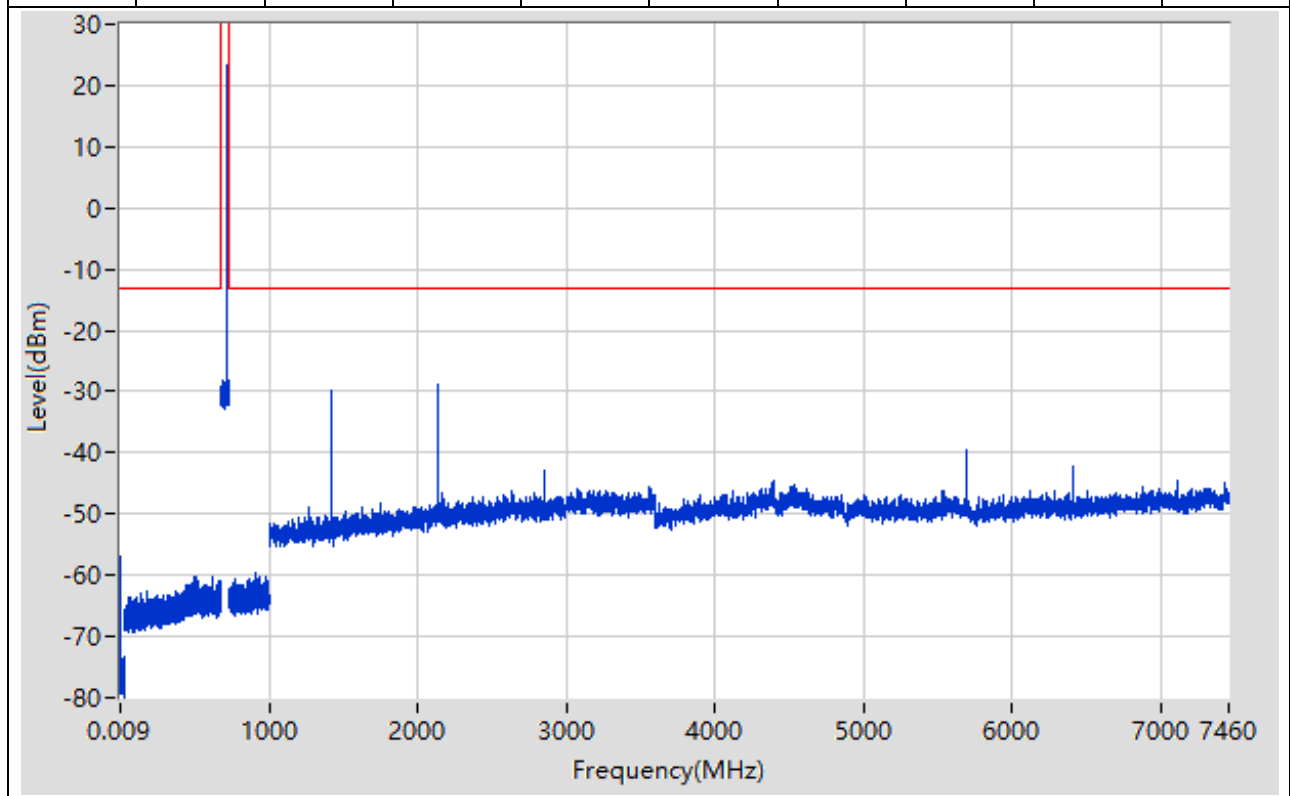
**4.5. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:5, Channel:23155, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -59.98      | -13         | 46.98       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -58.54      | -13         | 45.54       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 587.1           | -60.49      | -13         | 47.49       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 712.2           | 22.69       | 60          | 37.31       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 978             | -60.09      | -13         | 47.09       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2137            | -29.44      | -13         | 16.44       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5698            | -40.52      | -13         | 27.52       | Pass    | 4461        |



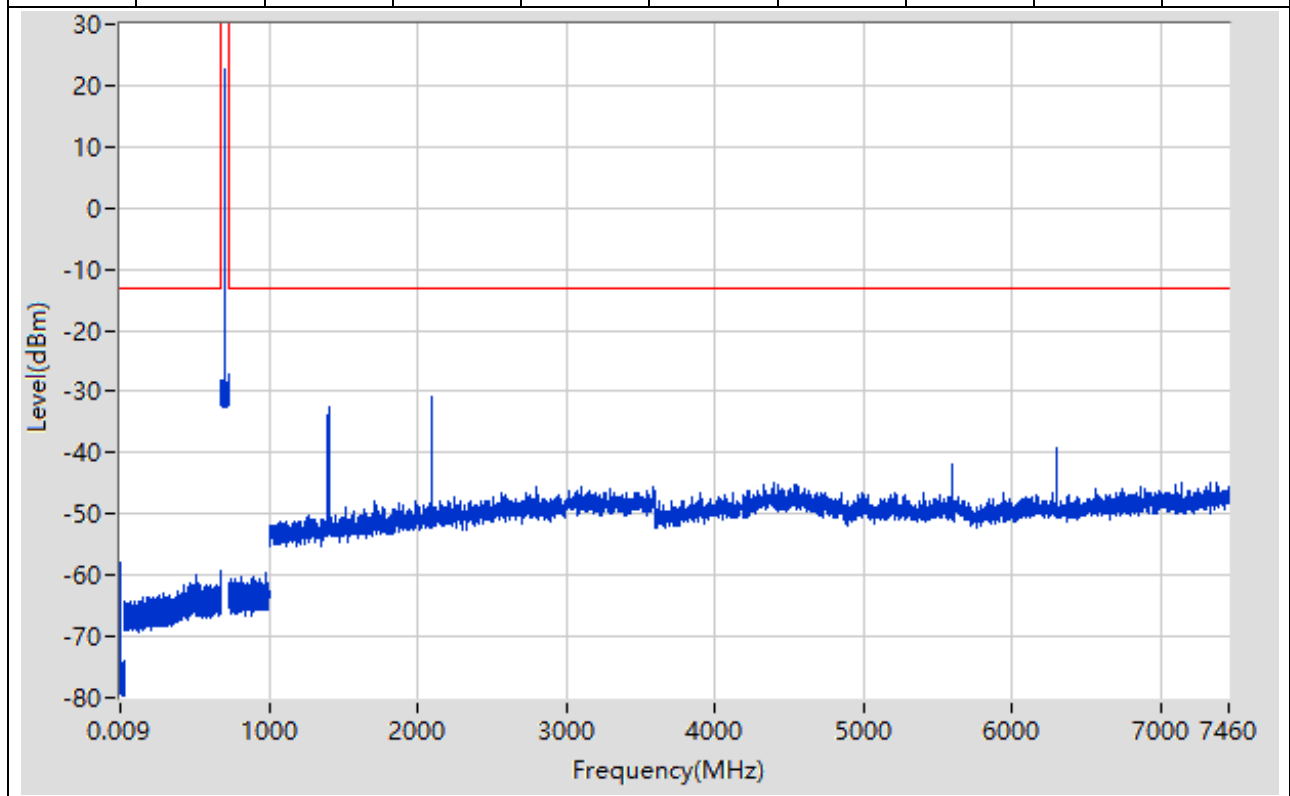
**4.6. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:6, Channel:23155, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -60.39      | -13         | 47.39       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.09      | -13         | 44.09       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 506.6           | -60.33      | -13         | 47.33       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 712.2           | 23.27       | 60          | 36.73       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 914.9           | -59.76      | -13         | 46.76       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2137            | -28.76      | -13         | 15.76       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5698            | -39.46      | -13         | 26.46       | Pass    | 4461        |



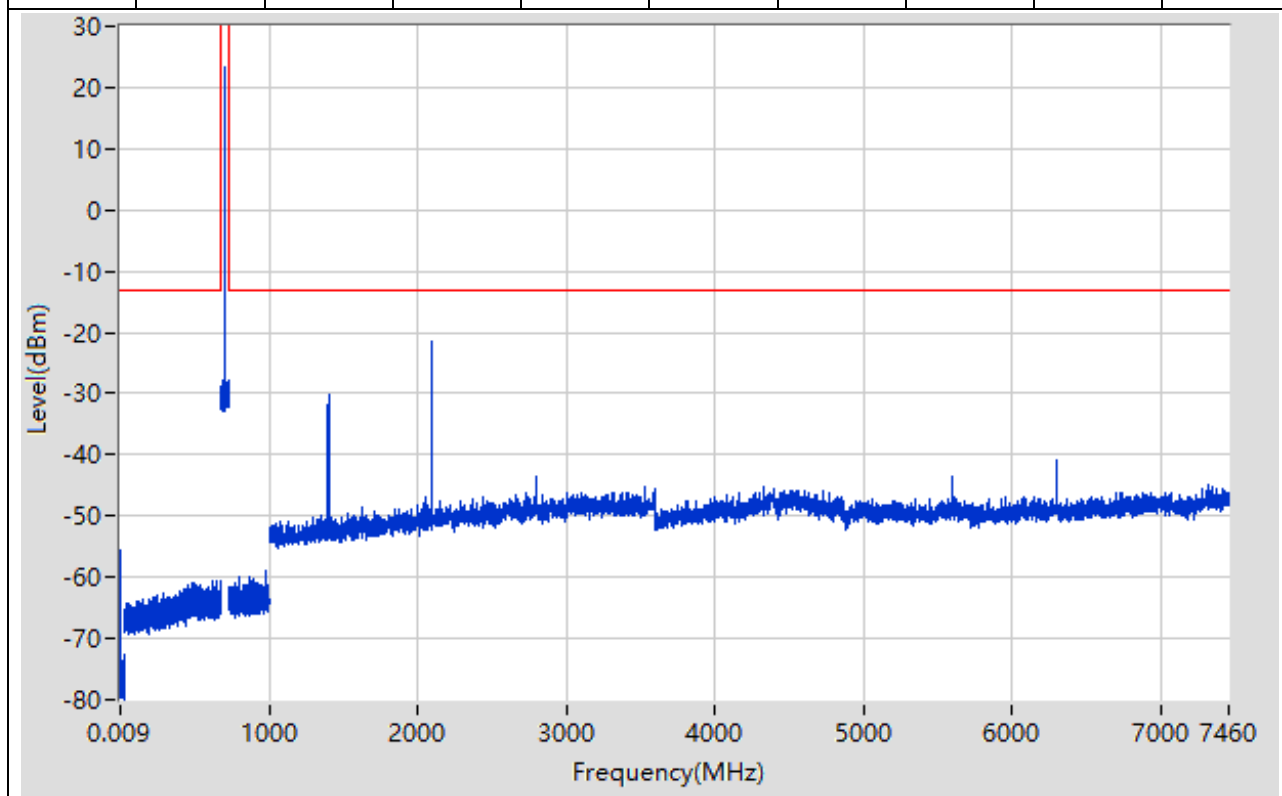
**4.7. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:7, Channel:23060, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -59.33      | -13         | 46.33       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.88      | -13         | 44.88       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 678.1           | -59.23      | -13         | 46.23       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 699.7           | 22.79       | 60          | 37.21       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 973             | -59.74      | -13         | 46.74       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2099            | -30.83      | -13         | 17.83       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 6298            | -39.34      | -13         | 26.34       | Pass    | 4461        |



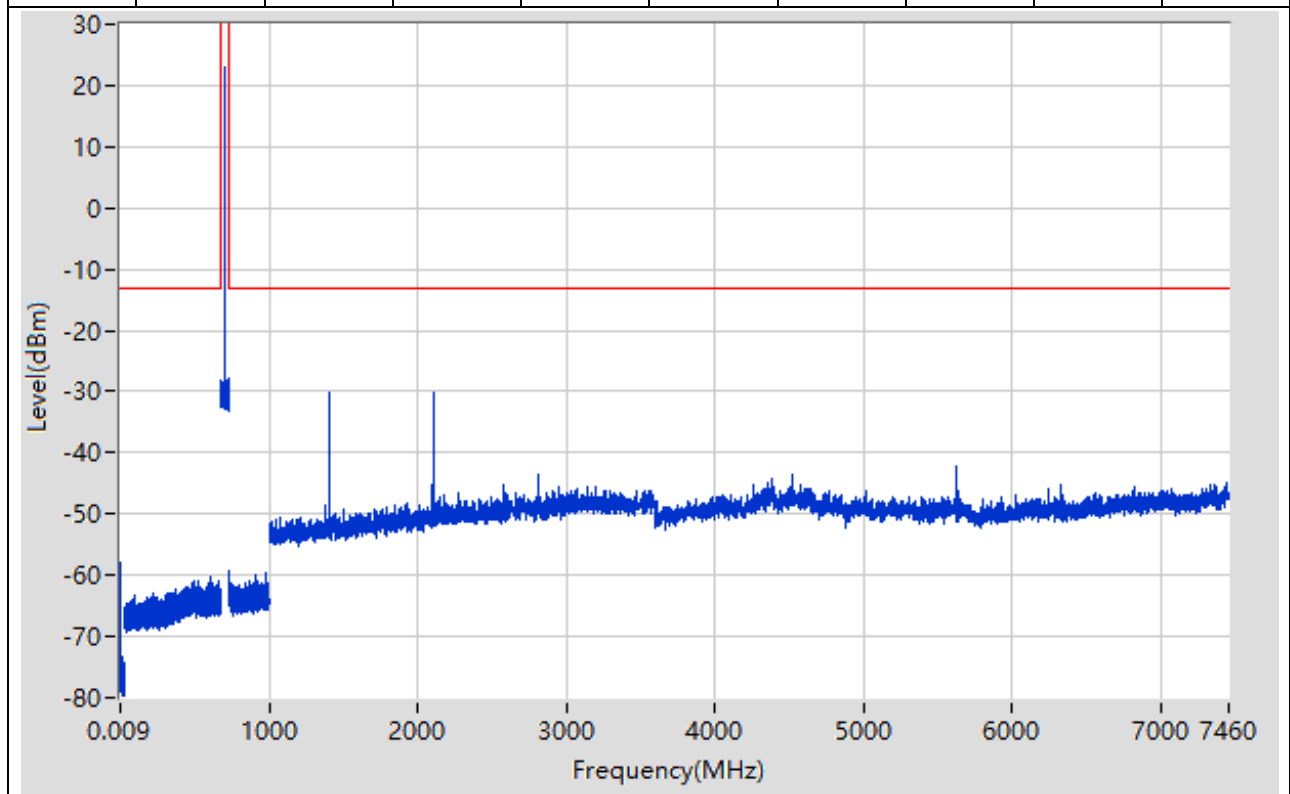
**4.8. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:8, Channel:23060, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -58.88      | -13         | 45.88       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -55.45      | -13         | 42.45       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 675.3           | -60.56      | -13         | 47.56       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 699.7           | 23.29       | 60          | 36.71       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 976.3           | -59         | -13         | 46          | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2101            | -21.41      | -13         | 8.41        | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 6298            | -40.98      | -13         | 27.98       | Pass    | 4461        |



**4.9. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:9, Channel:23095, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

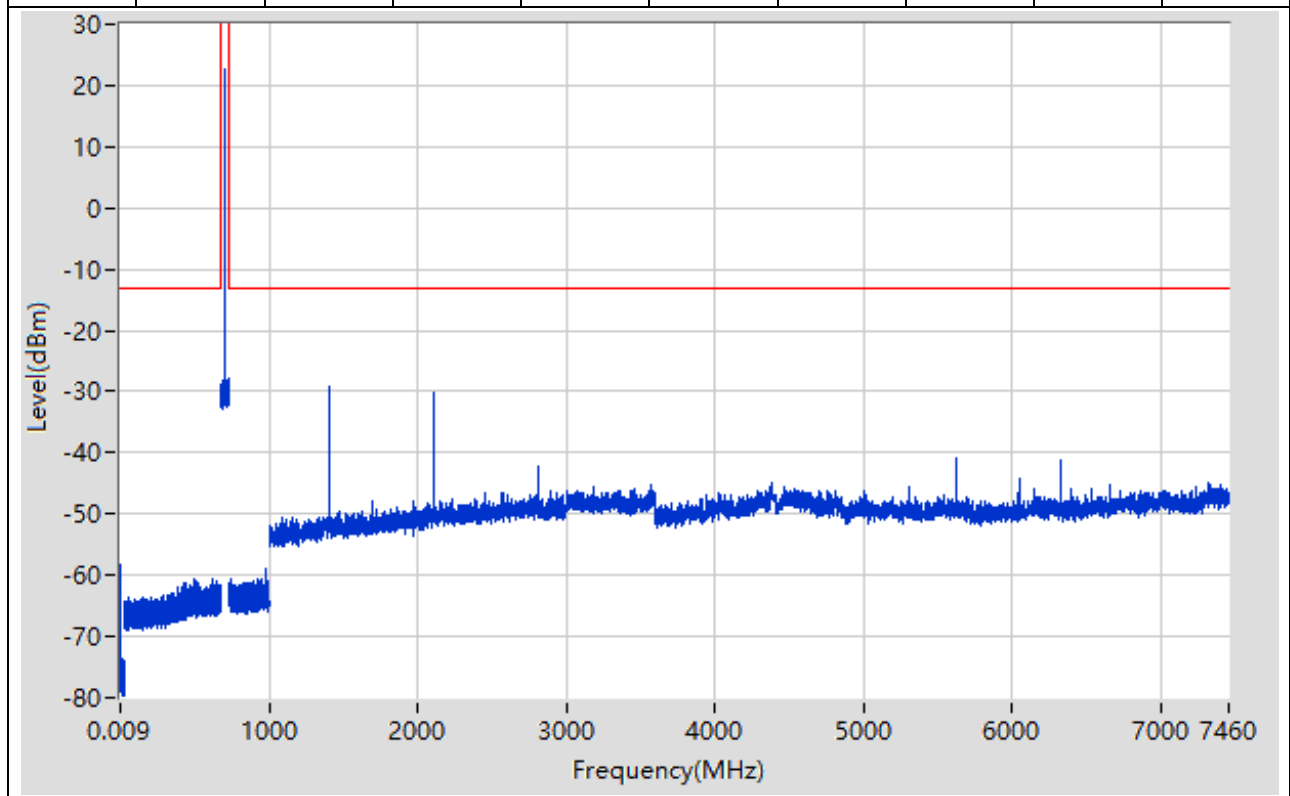
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.108           | -60.13      | -13         | 47.13       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -58.03      | -13         | 45.03       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 609.7           | -60.12      | -13         | 47.12       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 703.2           | 22.86       | 60          | 37.14       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 737.7           | -59.37      | -13         | 46.37       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2110            | -30.17      | -13         | 17.17       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5626            | -42.35      | -13         | 29.35       | Pass    | 4461        |



#### 4.10. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:10, Channel:23095, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)

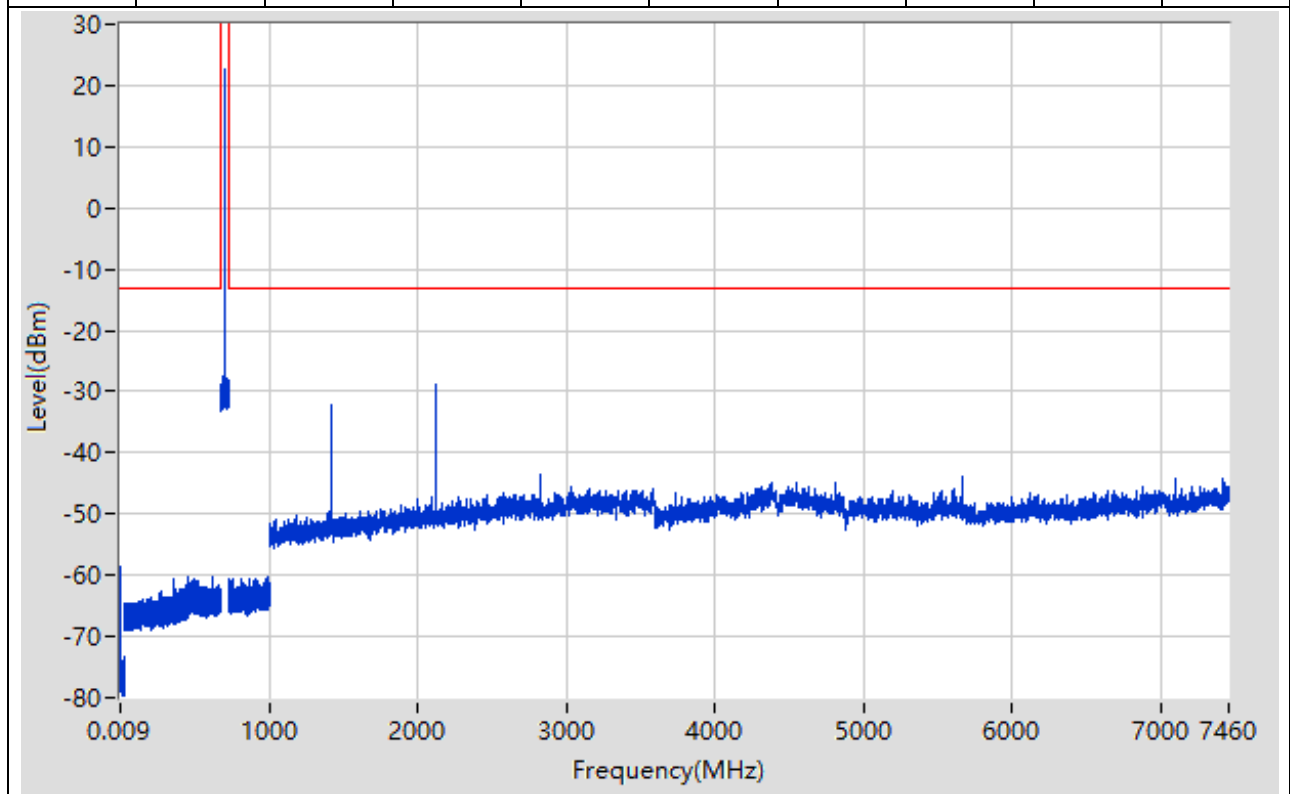
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -59.99      | -13         | 46.99       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -58.11      | -13         | 45.11       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 496.7           | -60.54      | -13         | 47.54       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 703.2           | 22.8        | 60          | 37.2        | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 972.3           | -58.86      | -13         | 45.86       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 1407            | -29.32      | -13         | 16.32       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5626            | -40.87      | -13         | 27.87       | Pass    | 4461        |



#### 4.11. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:11, Channel:23130, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)

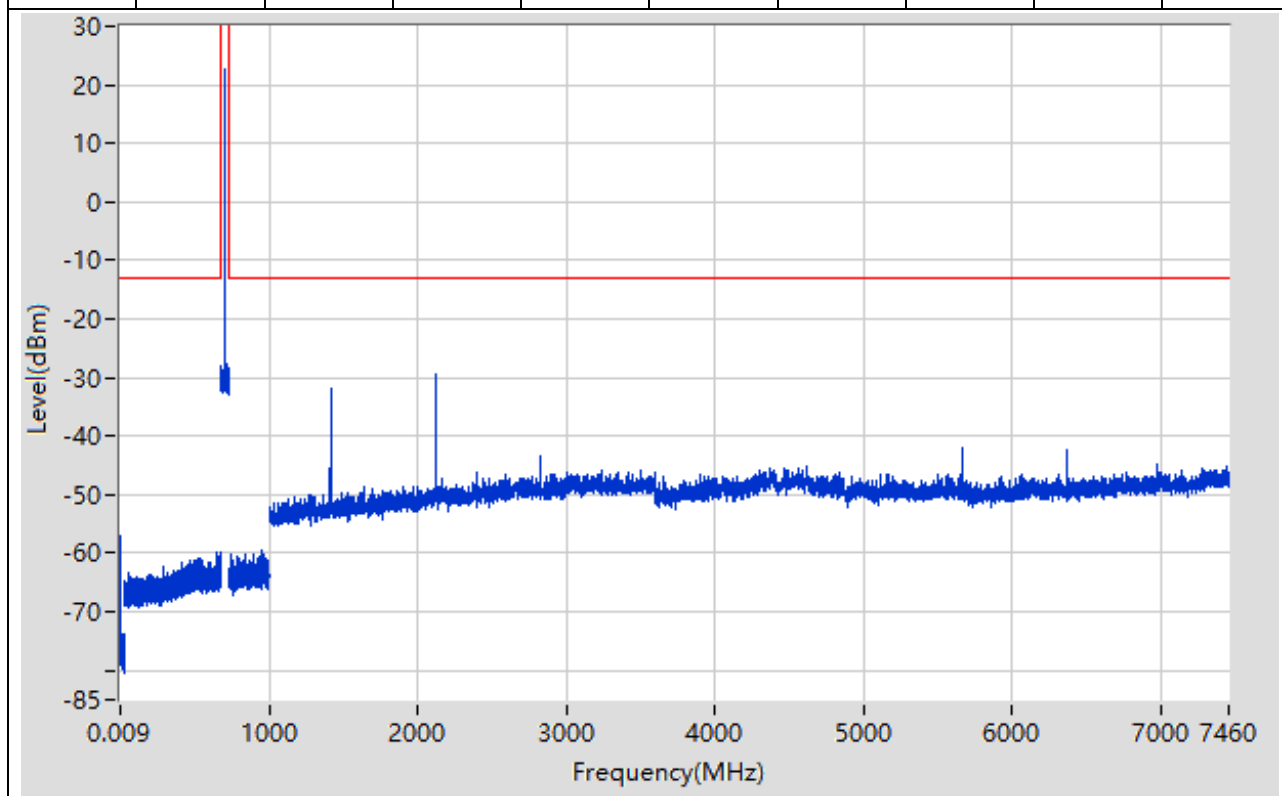
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -60.12      | -13         | 47.12       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -58.51      | -13         | 45.51       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 625.4           | -60.23      | -13         | 47.23       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 707.6           | 22.62       | 60          | 37.38       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 994.4           | -60.11      | -13         | 47.11       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2123            | -28.93      | -13         | 15.93       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5661            | -43.92      | -13         | 30.92       | Pass    | 4461        |



#### 4.12. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:12, Channel:23130, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

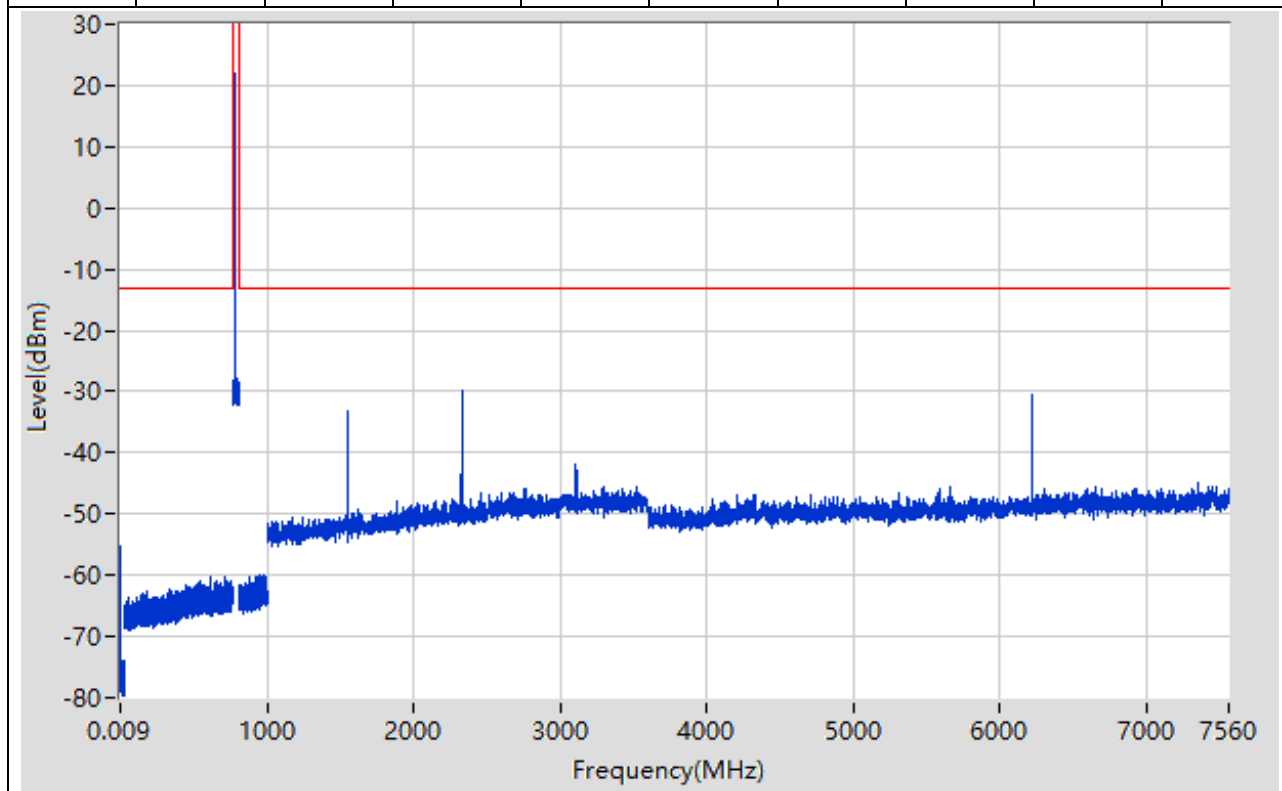
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -60.19      | -13         | 47.19       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.03      | -13         | 44.03       | Pass    | 2986        |
| 30                    | 679                  | 0.1       | RMS      | 652.6           | -59.85      | -13         | 46.85       | Pass    | 6491        |
| 679                   | 736                  | 0.1       | RMS      | 707.7           | 22.53       | 60          | 37.47       | Pass    | 571         |
| 736                   | 1000                 | 0.1       | RMS      | 955.5           | -59.55      | -13         | 46.55       | Pass    | 2641        |
| 1000                  | 3000                 | 1         | RMS      | 2123            | -29.41      | -13         | 16.41       | Pass    | 2001        |
| 3000                  | 7460                 | 1         | RMS      | 5661            | -42.16      | -13         | 29.16       | Pass    | 4461        |



## 5. Cat-M\_Band13

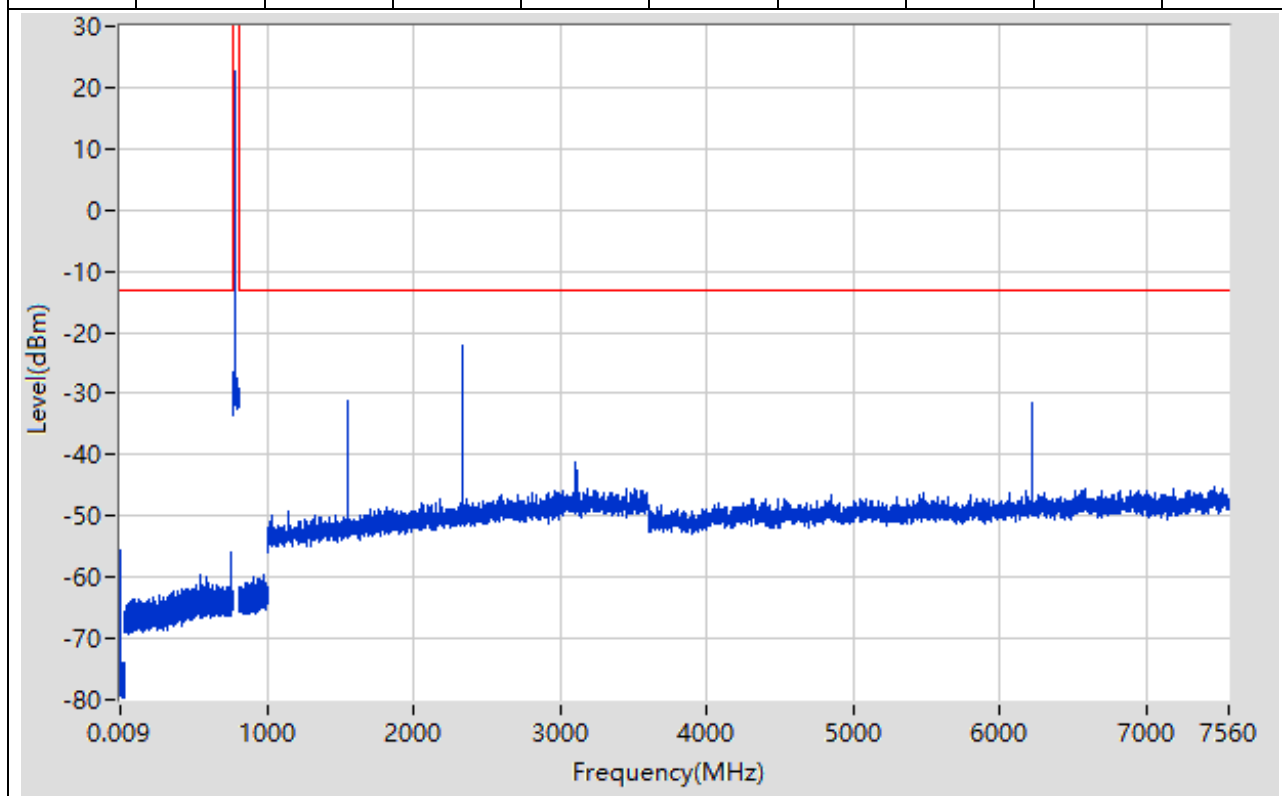
**5.1. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:1, Channel:23205, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -57.35      | -13         | 44.35       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.42      | -13         | 42.42       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 620.3           | -60.17      | -13         | 47.17       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 777.3           | 22.04       | 60          | 37.96       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 983.9           | -59.89      | -13         | 46.89       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2332            | -29.95      | -13         | 16.95       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6219            | -30.6       | -13         | 17.6        | Pass    | 4561        |



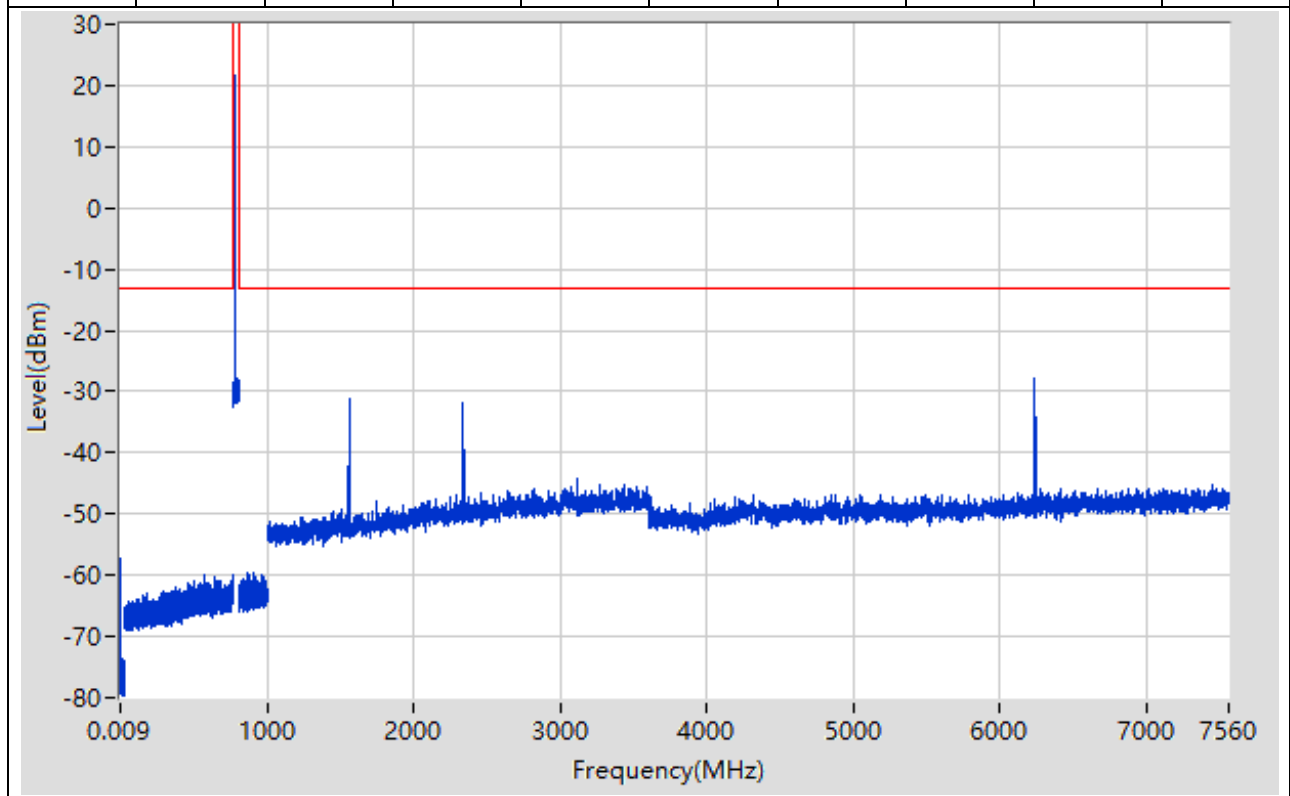
**5.2. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:2, Channel:23205, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.6       | -13         | 44.6        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -55.5       | -13         | 42.5        | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 761.3           | -55.77      | -13         | 42.77       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 777.3           | 22.63       | 60          | 37.37       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 977.7           | -59.72      | -13         | 46.72       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2334            | -22.17      | -13         | 9.17        | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6219            | -31.64      | -13         | 18.64       | Pass    | 4561        |



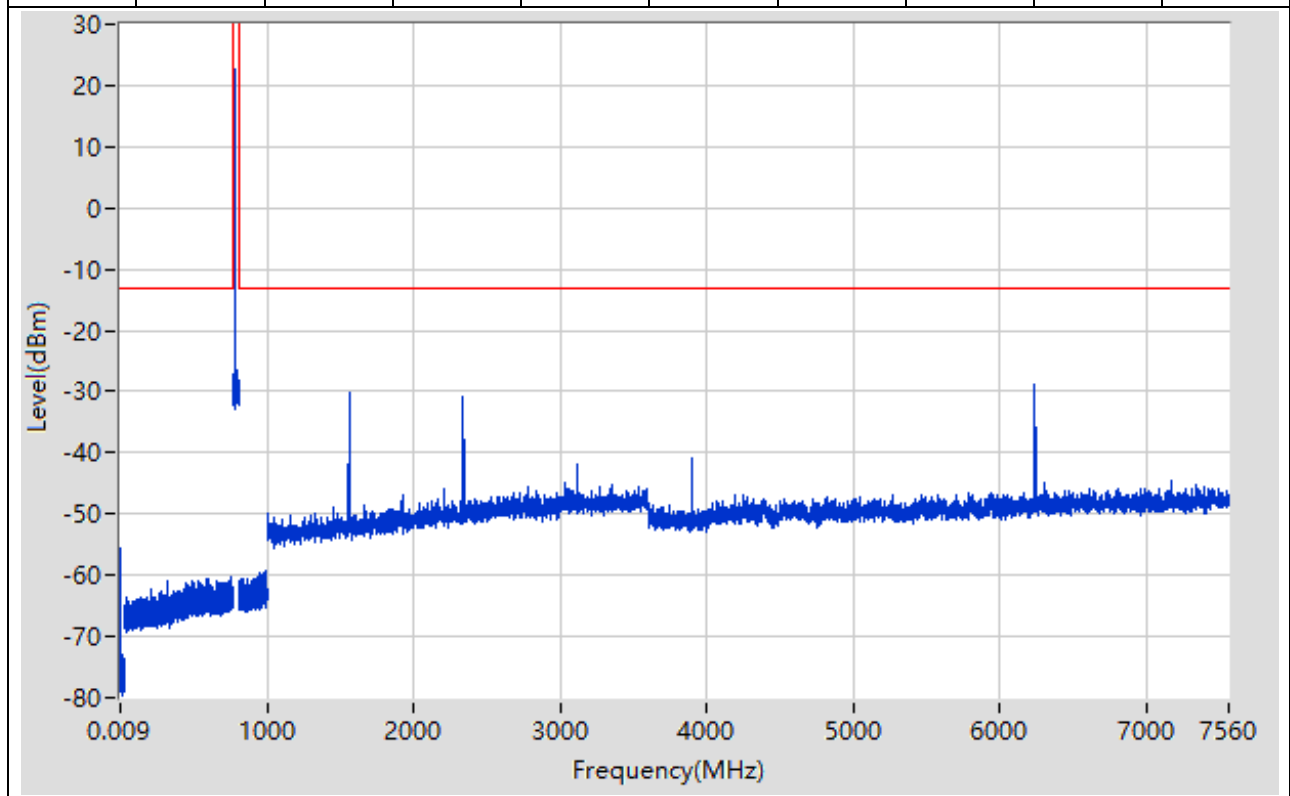
**5.3. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:3, Channel:23230, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.4       | -13         | 44.4        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.5       | -13         | 44.5        | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 761.8           | -59.82      | -13         | 46.82       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 779.8           | 21.59       | 60          | 38.41       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 911.7           | -59.71      | -13         | 46.71       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 1560            | -31.11      | -13         | 18.11       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6239            | -27.74      | -13         | 14.74       | Pass    | 4561        |



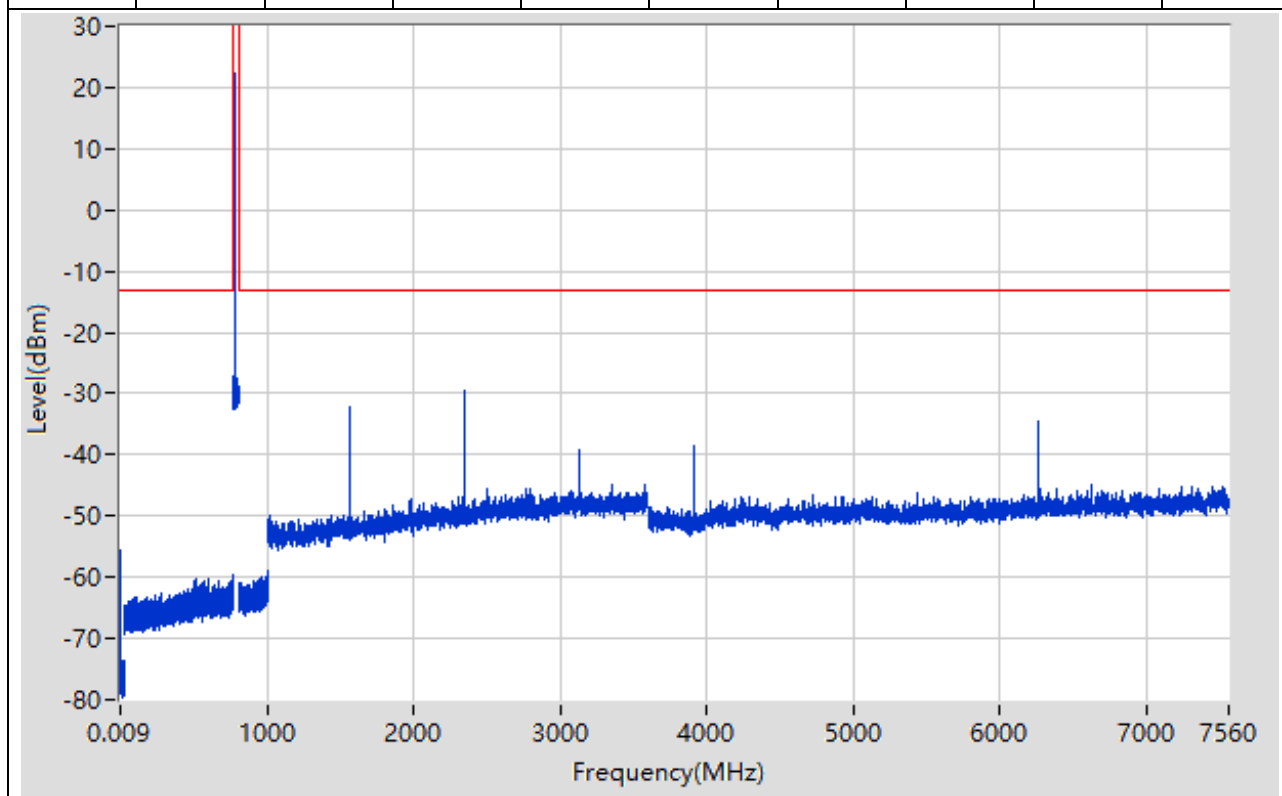
**5.4. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:4, Channel:23230, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.61      | -13         | 44.61       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -55.62      | -13         | 42.62       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 753.5           | -60.2       | -13         | 47.2        | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 779.8           | 22.74       | 60          | 37.26       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 990.2           | -59.25      | -13         | 46.25       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 1560            | -30.27      | -13         | 17.27       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6239            | -28.8       | -13         | 15.8        | Pass    | 4561        |



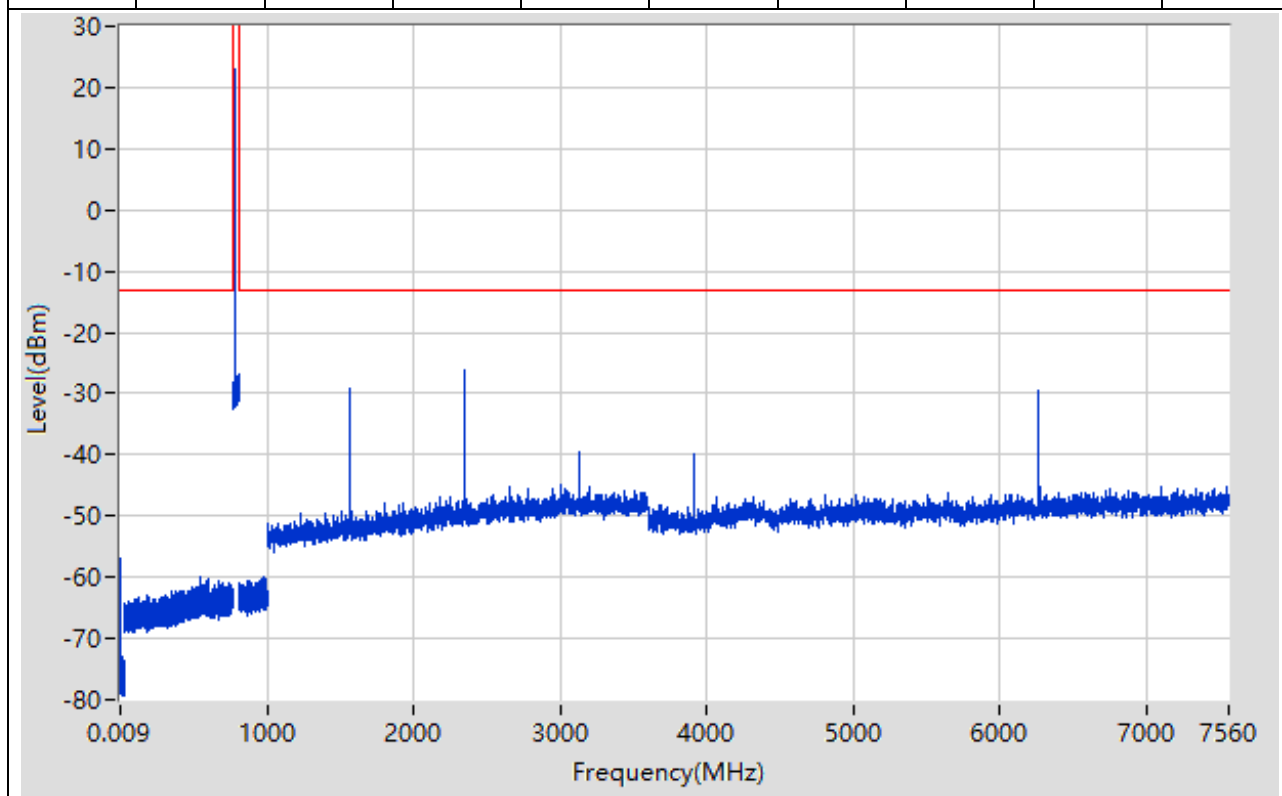
**5.5. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:5, Channel:23255, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -58.41      | -13         | 45.41       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -55.59      | -13         | 42.59       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 761.8           | -59.63      | -13         | 46.63       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 783.2           | 22.36       | 60          | 37.64       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 999.2           | -58.99      | -13         | 45.99       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2350            | -29.57      | -13         | 16.57       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6266            | -34.44      | -13         | 21.44       | Pass    | 4561        |



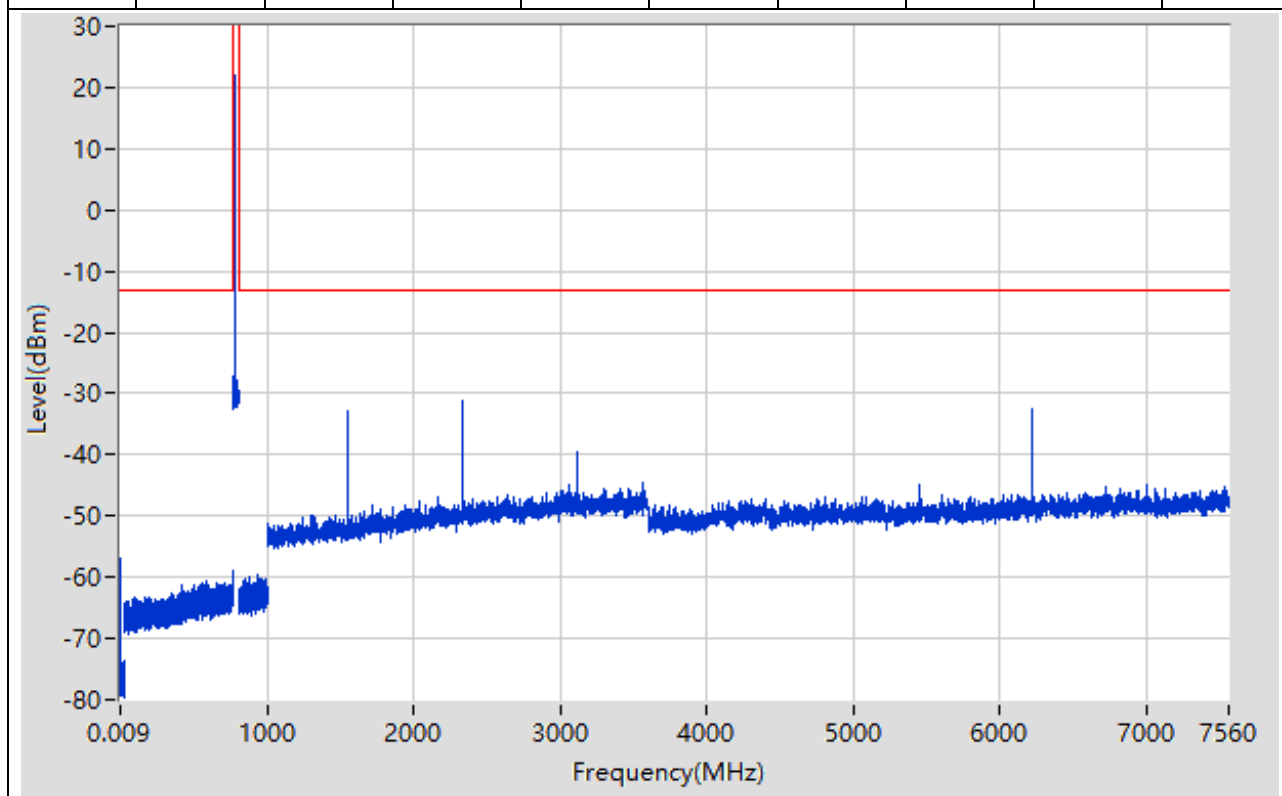
**5.6. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:6, Channel:23255, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.91      | -13         | 44.91       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.8       | -13         | 43.8        | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 540.9           | -60.06      | -13         | 47.06       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 783.2           | 22.92       | 60          | 37.08       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 981.1           | -59.88      | -13         | 46.88       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2350            | -26.31      | -13         | 13.31       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6266            | -29.45      | -13         | 16.45       | Pass    | 4561        |



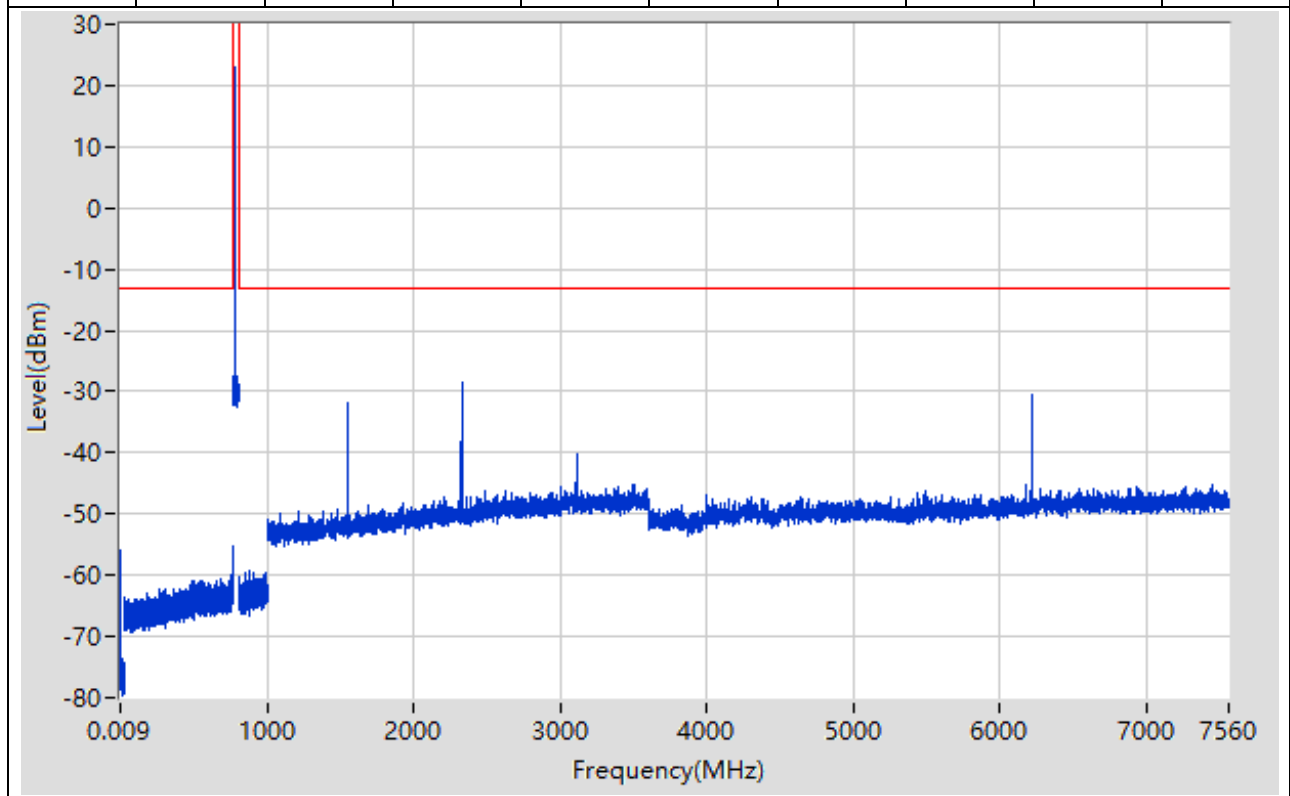
**5.7. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:7, Channel:23230, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.19      | -13         | 44.19       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.03      | -13         | 44.03       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 762.8           | -58.79      | -13         | 45.79       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 777.8           | 21.86       | 60          | 38.14       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 931             | -59.61      | -13         | 46.61       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2333            | -31.05      | -13         | 18.05       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6222            | -32.6       | -13         | 19.6        | Pass    | 4561        |



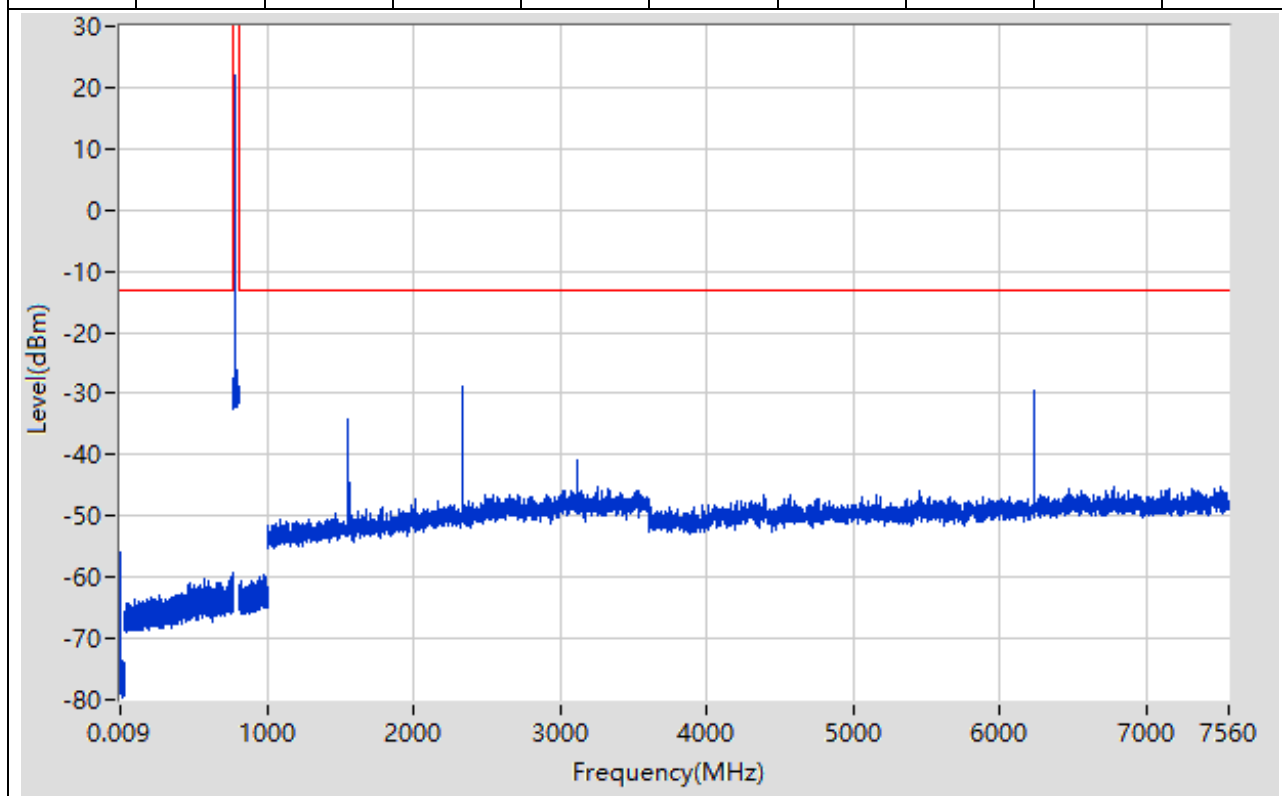
**5.8. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:8, Channel:23230, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -57.42      | -13         | 44.42       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.82      | -13         | 42.82       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 762.5           | -55.33      | -13         | 42.33       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 777.8           | 22.9        | 60          | 37.1        | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 877.7           | -59.27      | -13         | 46.27       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2333            | -28.47      | -13         | 15.47       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6222            | -30.44      | -13         | 17.44       | Pass    | 4561        |



**5.9. Cat-M Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:9, Channel:23230, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)**

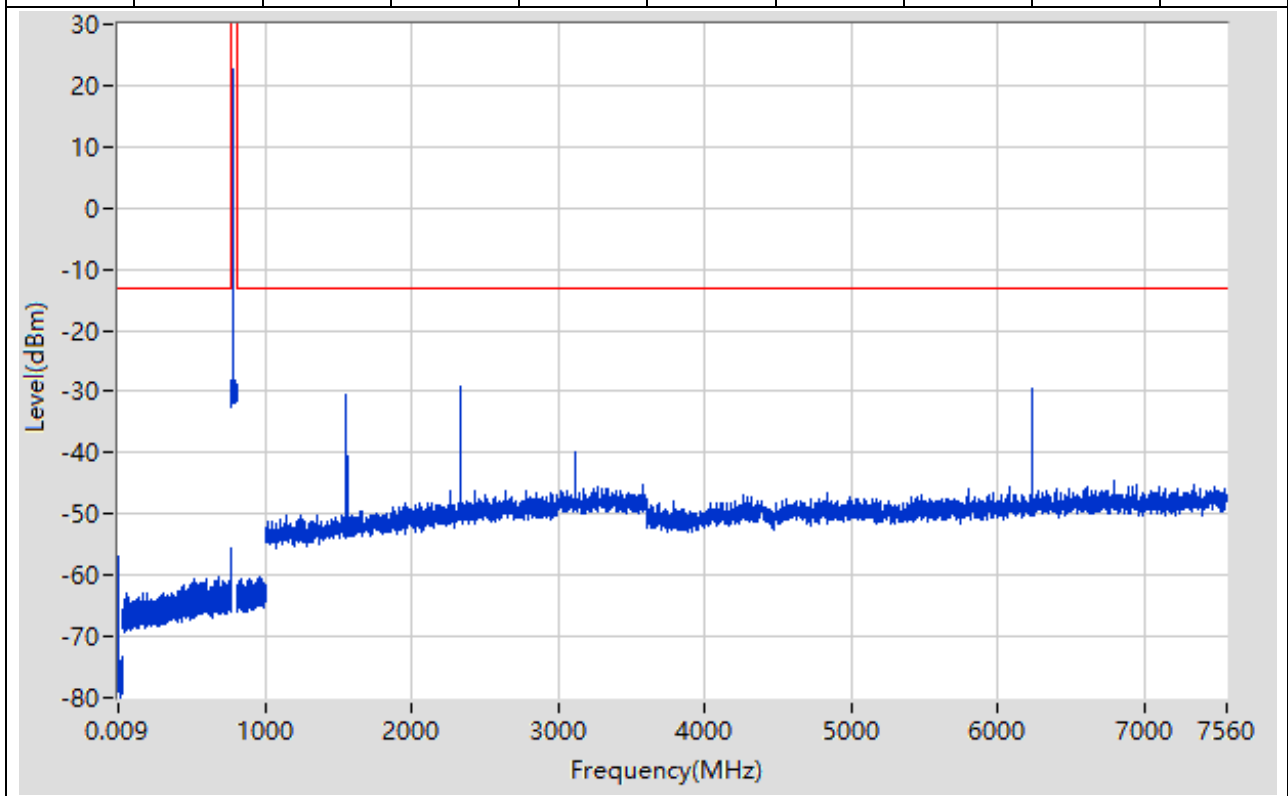
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -56.72      | -13         | 43.72       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.97      | -13         | 42.97       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 762.5           | -59.37      | -13         | 46.37       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 778.6           | 22.11       | 60          | 37.89       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 980.9           | -59.48      | -13         | 46.48       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2336            | -28.78      | -13         | 15.78       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6229            | -29.4       | -13         | 16.4        | Pass    | 4561        |



### 5.10. Cat-M Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:10, Channel:23230, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:5)

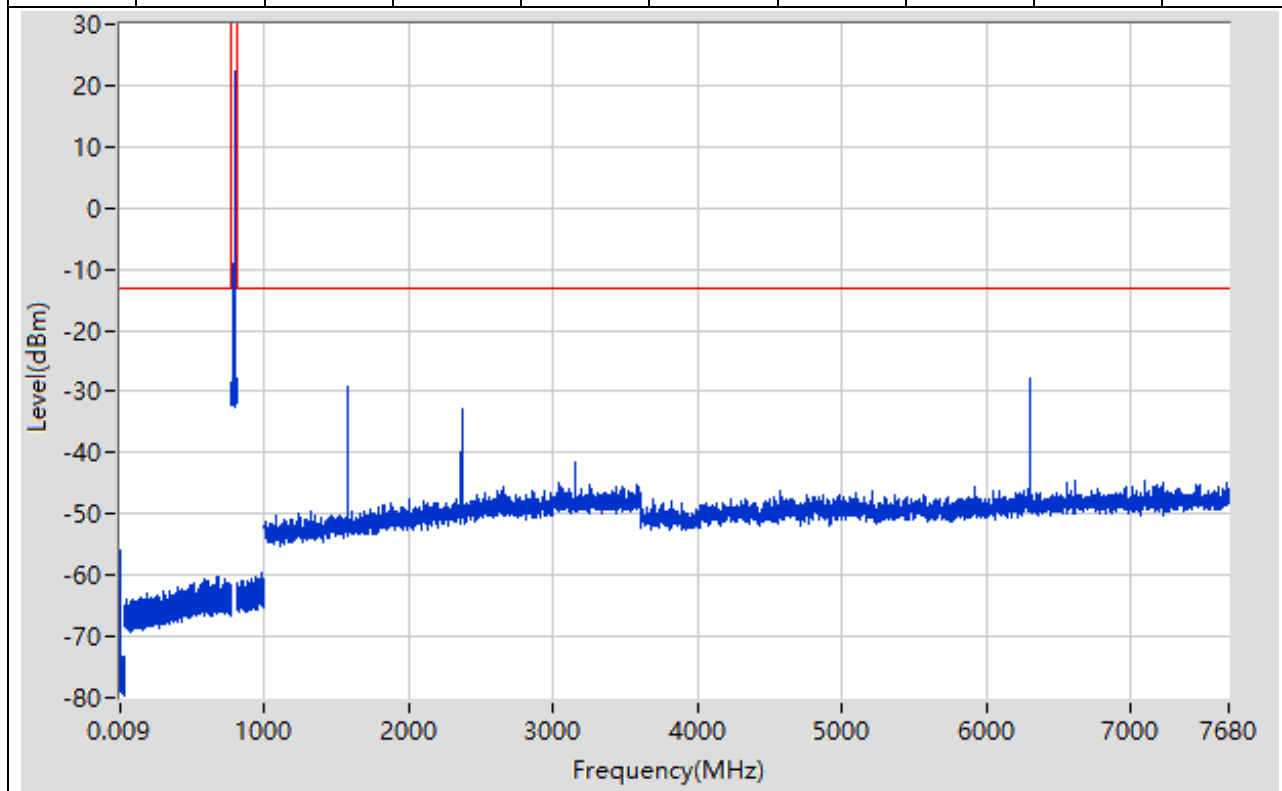
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.01      | -13         | 44.01       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -57.66      | -13         | 44.66       | Pass    | 2986        |
| 30                    | 763                  | 0.1       | RMS      | 762.1           | -55.65      | -13         | 42.65       | Pass    | 7331        |
| 763                   | 805                  | 0.1       | RMS      | 778.6           | 22.69       | 60          | 37.31       | Pass    | 421         |
| 805                   | 1000                 | 0.1       | RMS      | 966.3           | -60.2       | -13         | 47.2        | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2336            | -29.15      | -13         | 16.15       | Pass    | 2001        |
| 3000                  | 7560                 | 1         | RMS      | 6229            | -29.55      | -13         | 16.55       | Pass    | 4561        |



## 6. Cat-M\_Band14

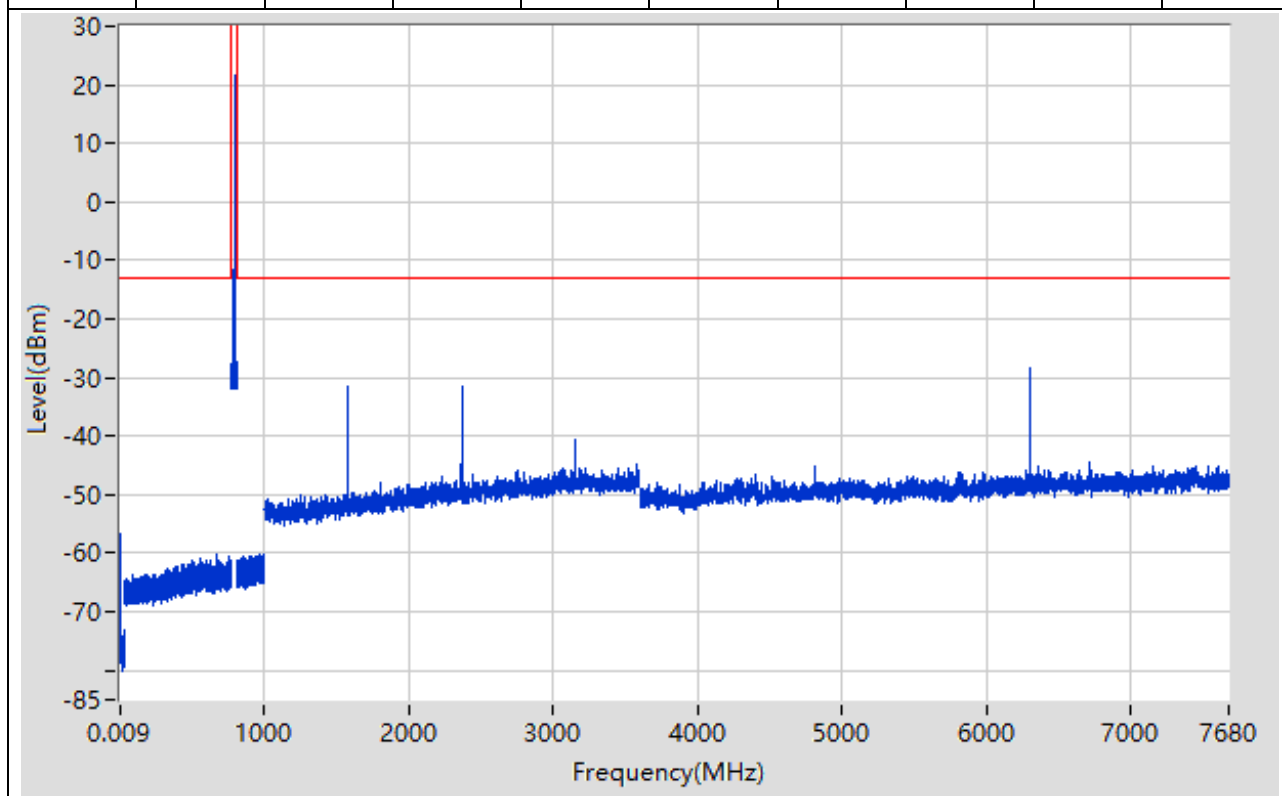
**6.1. Cat-M Spurious Emission at Antenna Terminals\_Part90(NTNV)(Subtest:1, Channel:23305, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -57.09      | -13         | 44.09       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.76      | -13         | 42.76       | Pass    | 2986        |
| 30                    | 769                  | 0.1       | RMS      | 681.8           | -60.21      | -13         | 47.21       | Pass    | 7391        |
| 769                   | 805                  | 0.1       | RMS      | 788.35          | 22.19       | 60          | 37.81       | Pass    | 401         |
| 805                   | 1000                 | 0.1       | RMS      | 978.7           | -59.73      | -13         | 46.73       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 1577            | -29.15      | -13         | 16.15       | Pass    | 2001        |
| 3000                  | 7680                 | 1         | RMS      | 6307            | -27.71      | -13         | 14.71       | Pass    | 4681        |



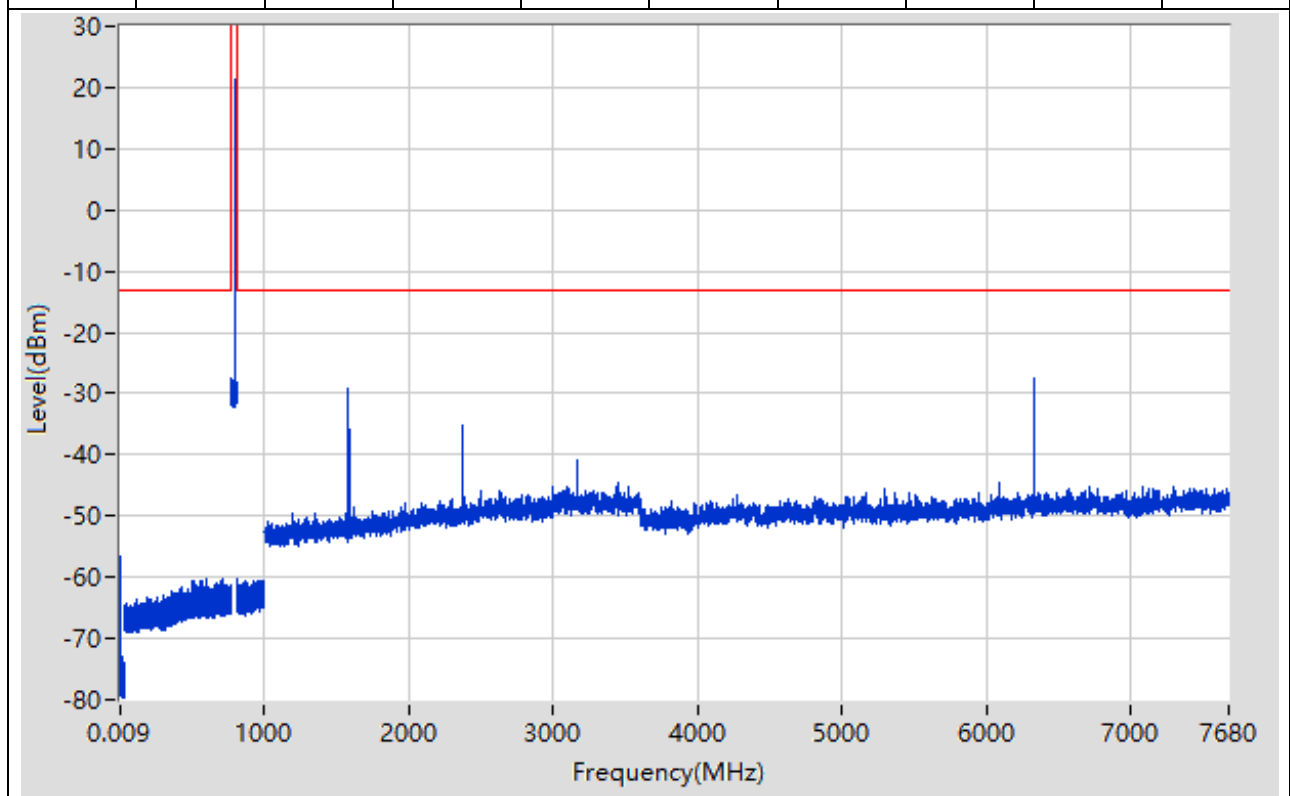
**6.2. Cat-M Spurious Emission at Antenna Terminals\_Part90(NTNV)(Subtest:2, Channel:23305, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -57.02      | -13         | 44.02       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.85      | -13         | 43.85       | Pass    | 2986        |
| 30                    | 769                  | 0.1       | RMS      | 664.8           | -60.28      | -13         | 47.28       | Pass    | 7391        |
| 769                   | 805                  | 0.1       | RMS      | 788.26          | 21.74       | 60          | 38.26       | Pass    | 401         |
| 805                   | 1000                 | 0.1       | RMS      | 990.4           | -60.29      | -13         | 47.29       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 2365            | -31.45      | -13         | 18.45       | Pass    | 2001        |
| 3000                  | 7680                 | 1         | RMS      | 6307            | -28.39      | -13         | 15.39       | Pass    | 4681        |



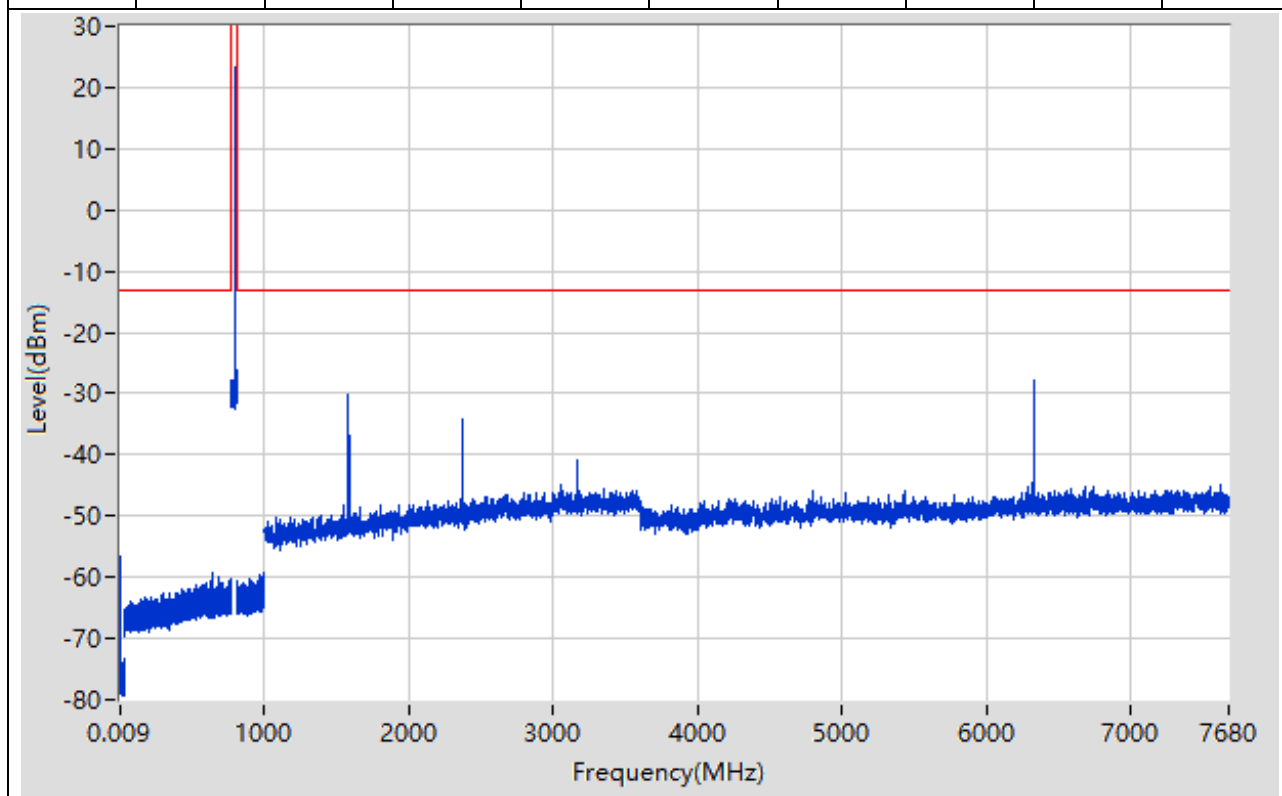
### 6.3. Cat-M Spurious Emission at Antenna Terminals\_Part90(NTNV)(Subtest:3, Channel:23330, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -56.75      | -13         | 43.75       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -56.98      | -13         | 43.98       | Pass    | 2986        |
| 30                    | 769                  | 0.1       | RMS      | 705.7           | -60.19      | -13         | 47.19       | Pass    | 7391        |
| 769                   | 805                  | 0.1       | RMS      | 790.78          | 21.21       | 60          | 38.79       | Pass    | 401         |
| 805                   | 1000                 | 0.1       | RMS      | 807.4           | -60.39      | -13         | 47.39       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 1582            | -29.15      | -13         | 16.15       | Pass    | 2001        |
| 3000                  | 7680                 | 1         | RMS      | 6327            | -27.53      | -13         | 14.53       | Pass    | 4681        |



**6.4. Cat-M Spurious Emission at Antenna Terminals\_Part90(NTNV)(Subtest:4, Channel:23330, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -56.8       | -13         | 43.8        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -56.47      | -13         | 43.47       | Pass    | 2986        |
| 30                    | 769                  | 0.1       | RMS      | 634.6           | -59.17      | -13         | 46.17       | Pass    | 7391        |
| 769                   | 805                  | 0.1       | RMS      | 790.78          | 23.26       | 60          | 36.74       | Pass    | 401         |
| 805                   | 1000                 | 0.1       | RMS      | 987.7           | -59.39      | -13         | 46.39       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 1582            | -30.04      | -13         | 17.04       | Pass    | 2001        |
| 3000                  | 7680                 | 1         | RMS      | 6326            | -27.7       | -13         | 14.7        | Pass    | 4681        |



**6.5. Cat-M Spurious Emission at Antenna Terminals\_Part90(NTNV)(Subtest:5, Channel:23355, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:1, RB Position:5)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -55.66      | -13         | 42.66       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -55.65      | -13         | 42.65       | Pass    | 2986        |
| 30                    | 769                  | 0.1       | RMS      | 759.9           | -59.27      | -13         | 46.27       | Pass    | 7391        |
| 769                   | 805                  | 0.1       | RMS      | 794.2           | 22.33       | 60          | 37.67       | Pass    | 401         |
| 805                   | 1000                 | 0.1       | RMS      | 806.1           | -48.39      | -13         | 35.39       | Pass    | 1951        |
| 1000                  | 3000                 | 1         | RMS      | 1588            | -30.42      | -13         | 17.42       | Pass    | 2001        |
| 3000                  | 7680                 | 1         | RMS      | 6354            | -27.53      | -13         | 14.53       | Pass    | 4681        |

