

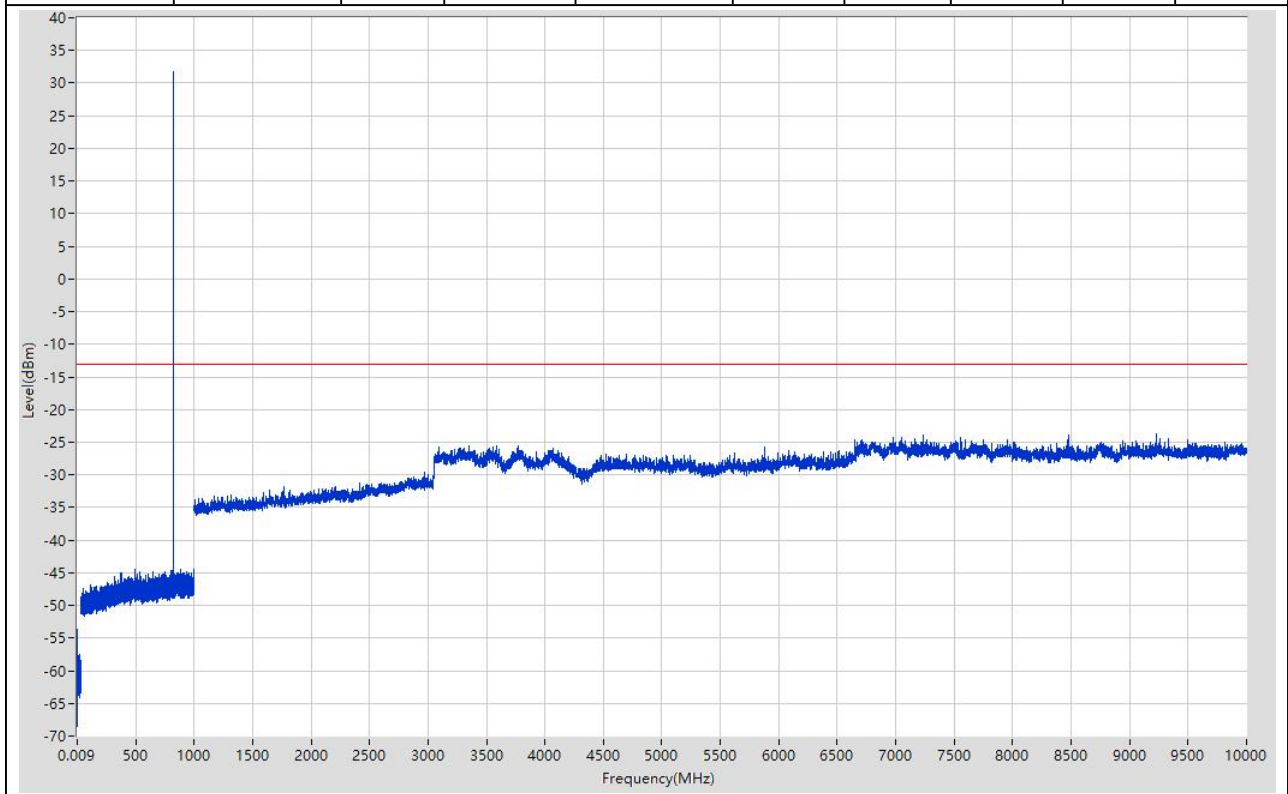
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## **Annex A.5 Spurious Emission at Antenna Terminals**

## 1. GSM\_GSM850

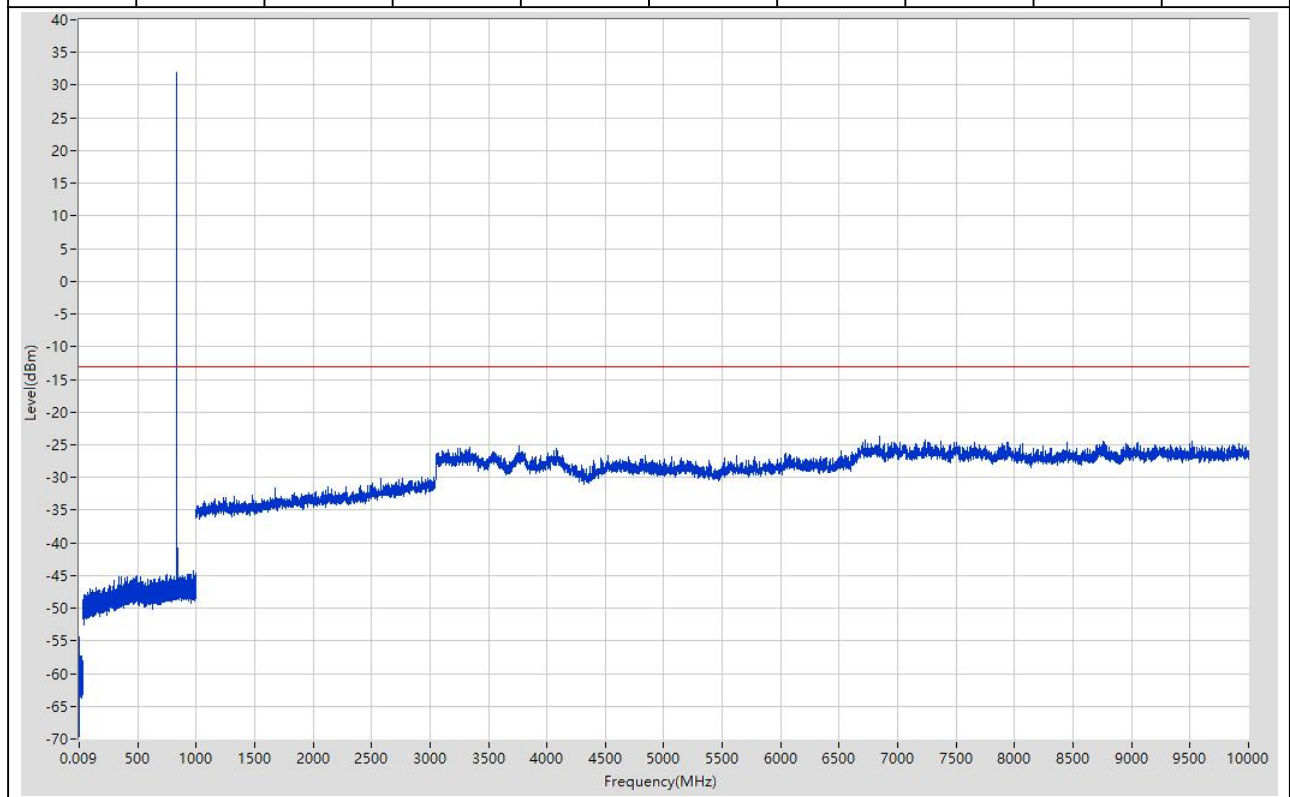
### 1.1 GSM Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:128)

| 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     | Peak     | 0.012           | -54.3       | -13         | 41.3        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.2             | -53.62      | -13         | 40.62       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 492.8           | -44.53      | -13         | 31.53       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 824.2           | 31.79       | -13         | -44.79      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 9225            | -23.69      | -13         | 10.69       | Pass    | 9002        |



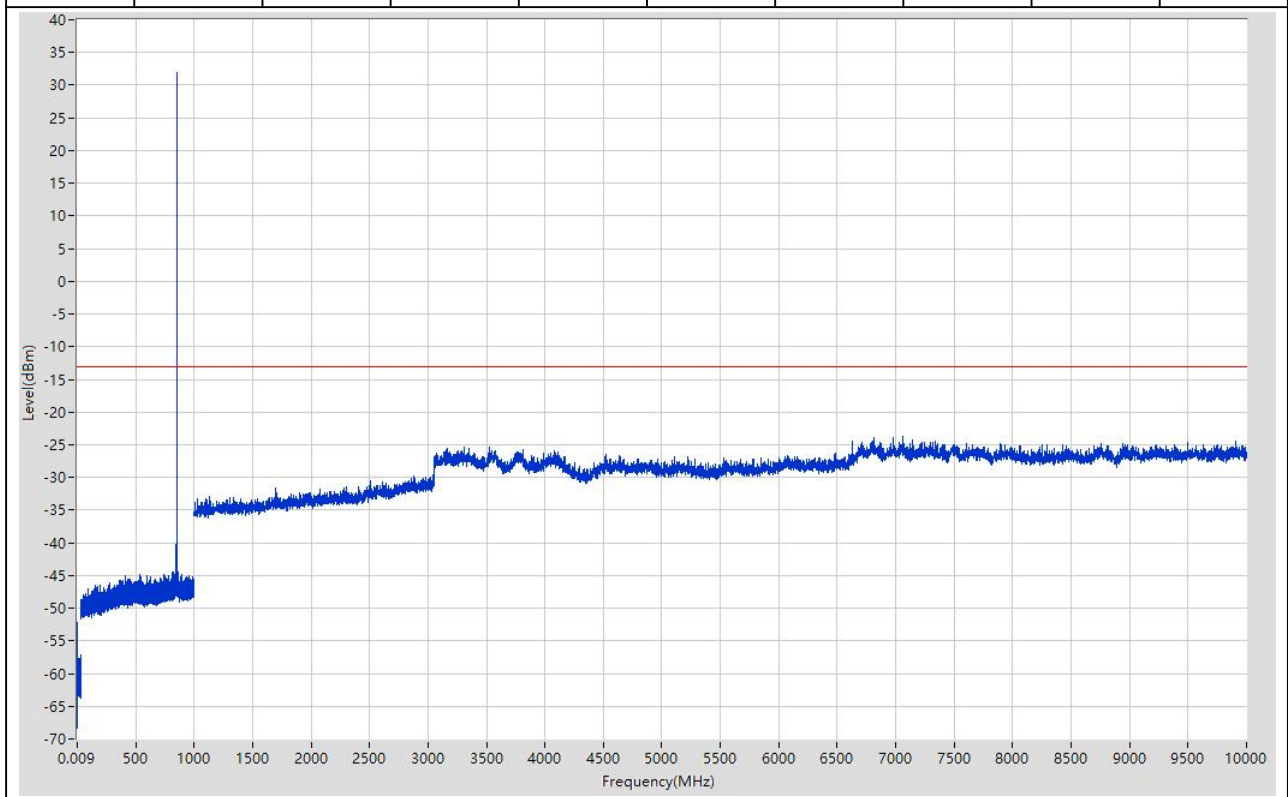
## 1.2 GSM Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:190)

| 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     | Peak     | 0.011           | -55.53      | -13         | 42.53       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.26            | -54.3       | -13         | 41.3        | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 495.9           | -45         | -13         | 32          | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 836.7           | 32          | -13         | -45         | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 6841            | -23.74      | -13         | 10.74       | Pass    | 9002        |



### 1.3 GSM Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:251)

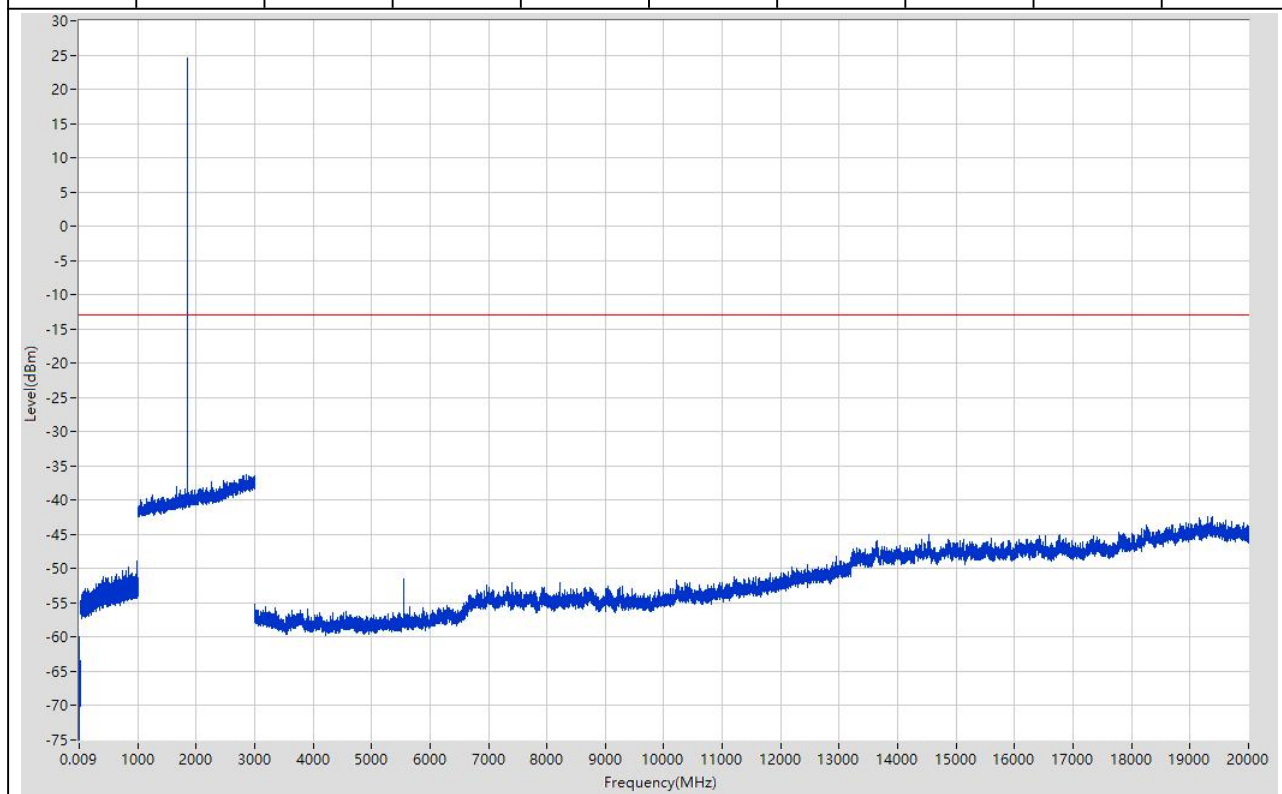
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.011           | -55.59      | -13         | 42.59       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.2             | -52.25      | -13         | 39.25       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 412.4           | -44.95      | -13         | 31.95       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 848.7           | 31.9        | -13         | -44.9       | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 7059            | -23.81      | -13         | 10.81       | Pass    | 9002        |



## 2. GSM\_PCS

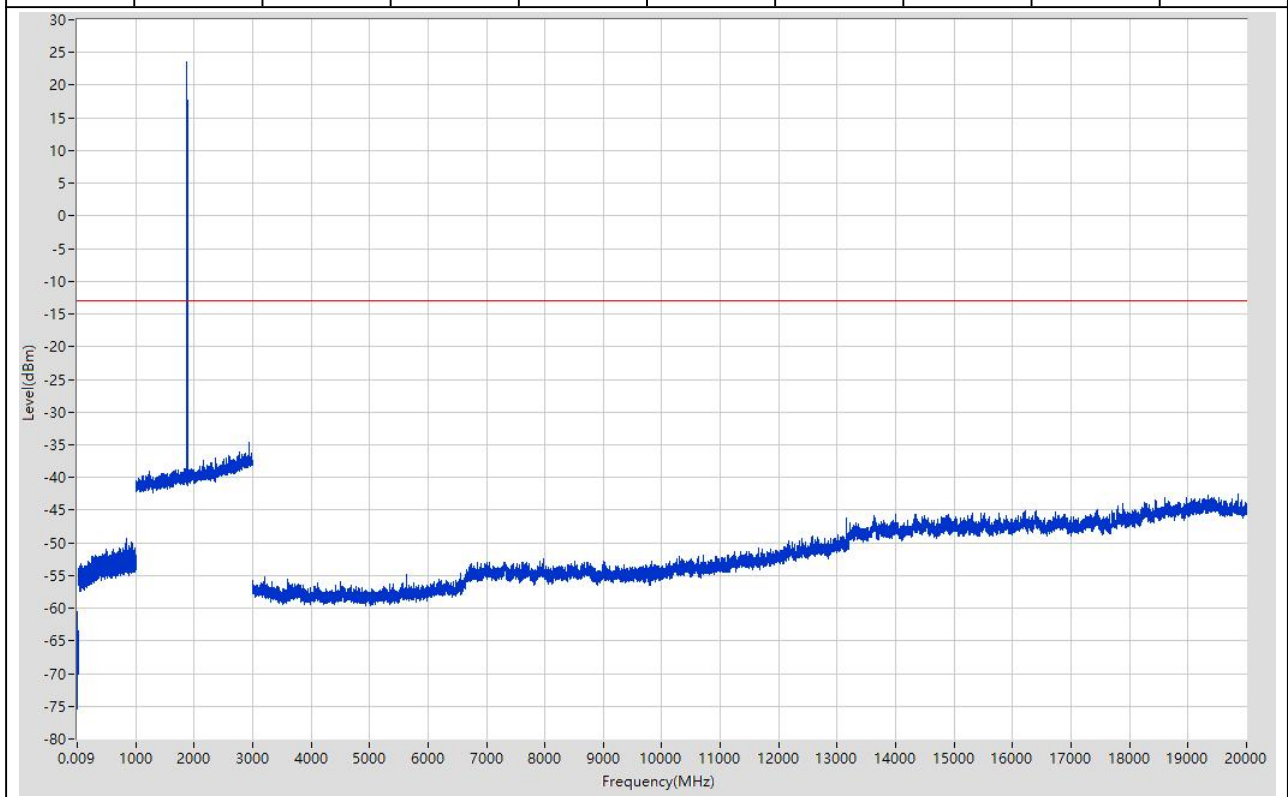
### 2.1 GSM Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:512)

| 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     | Peak     | 0.011           | -59.95      | -13         | 46.95       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.22            | -60.17      | -13         | 47.17       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 988.092         | -48.93      | -13         | 35.93       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1850            | 24.55       | -13         | -37.55      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 19308           | -42.36      | -13         | 29.36       | Pass    | 17003       |



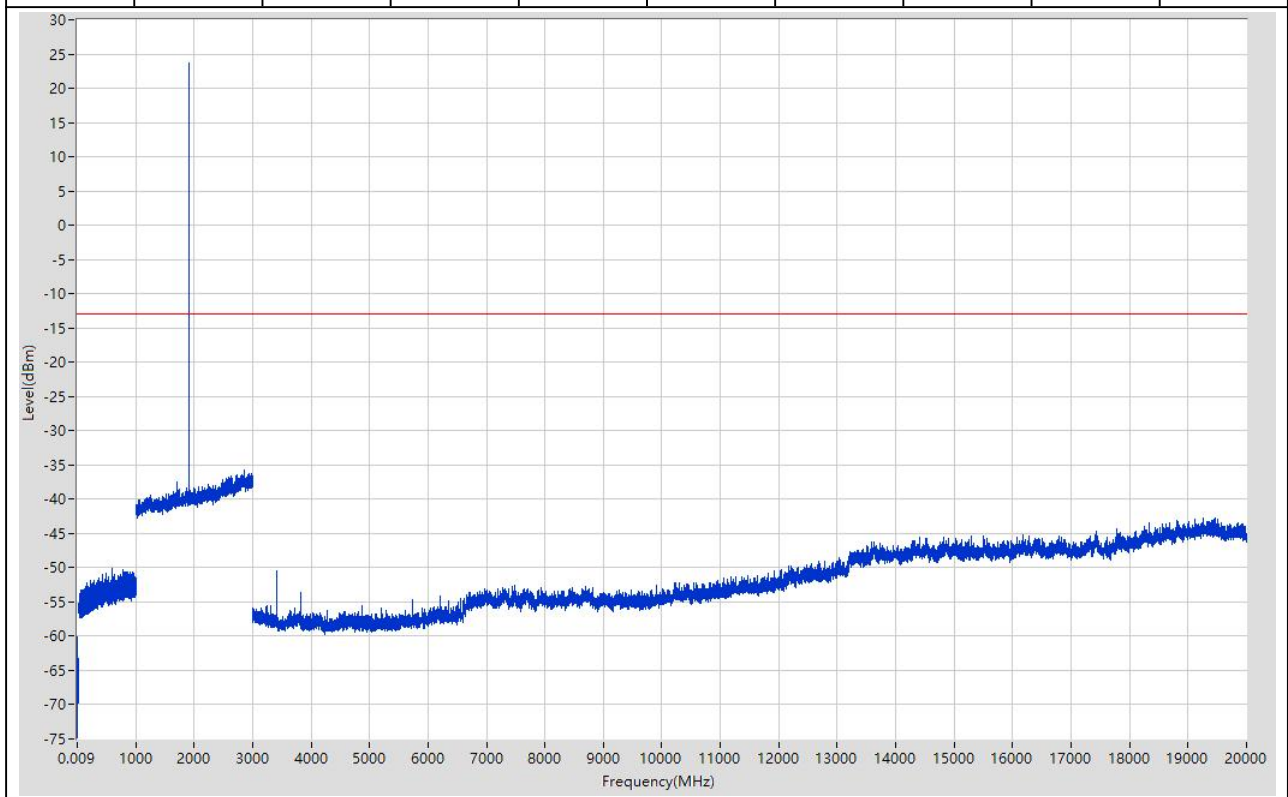
## 2.2 GSM Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:661)

| 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     | Peak     | 0.015           | -61.48      | -13         | 48.48       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.17            | -60.54      | -13         | 47.54       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 850.401         | -49.33      | -13         | 36.33       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1880            | 23.59       | -13         | -36.59      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 19863           | -42.6       | -13         | 29.6        | Pass    | 17003       |



## 2.3 GSM Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:810)

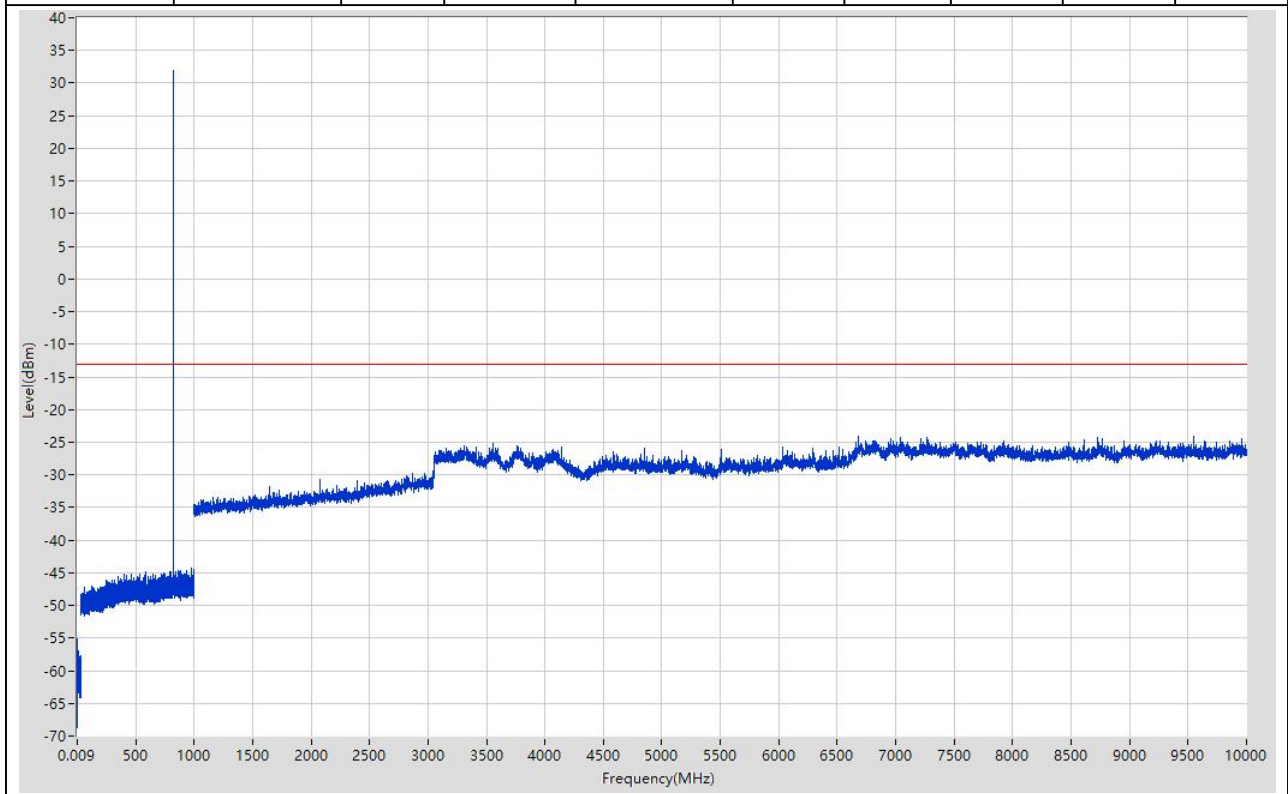
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.014           | -61.48      | -13         | 48.48       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.97            | -60.06      | -13         | 47.06       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 594.2           | -50.14      | -13         | 37.14       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1909            | 23.66       | -13         | -36.66      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 19459           | -42.71      | -13         | 29.71       | Pass    | 17003       |



### 3. GPRS\_GSM850

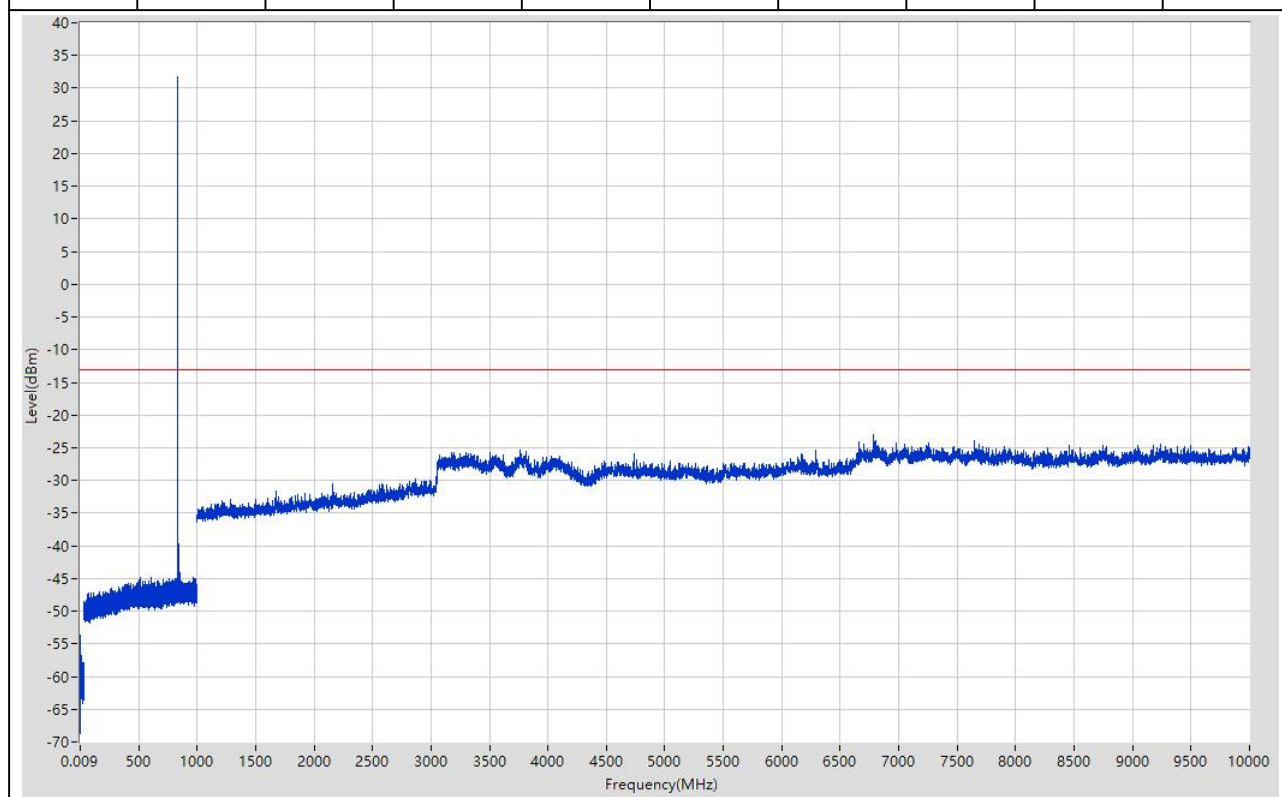
#### 3.1 GPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:128)

| 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     | Peak     | 0.009           | -56.46      | -13         | 43.46       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.19            | -55.14      | -13         | 42.14       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 400.7           | -45.13      | -13         | 32.13       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 824.1           | 31.88       | -13         | -44.88      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 6684            | -24.05      | -13         | 11.05       | Pass    | 9002        |



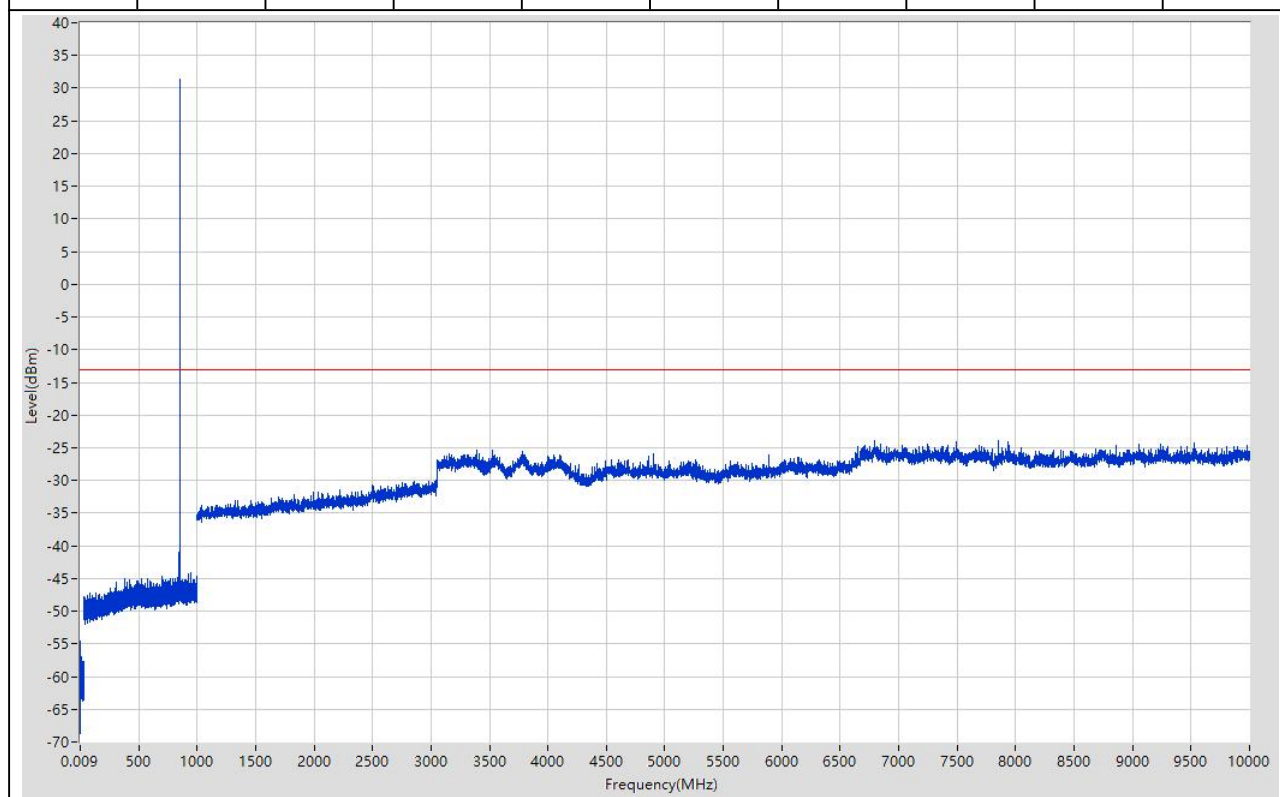
### 3.2 GPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:190)

| 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     | Peak     | 0.01            | -56.23      | -13         | 43.23       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.19            | -53.73      | -13         | 40.73       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 498.6           | -45.29      | -13         | 32.29       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 836.5           | 31.74       | -13         | -44.74      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 6788            | -22.99      | -13         | 9.99        | Pass    | 9002        |



### 3.3 GPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:251)

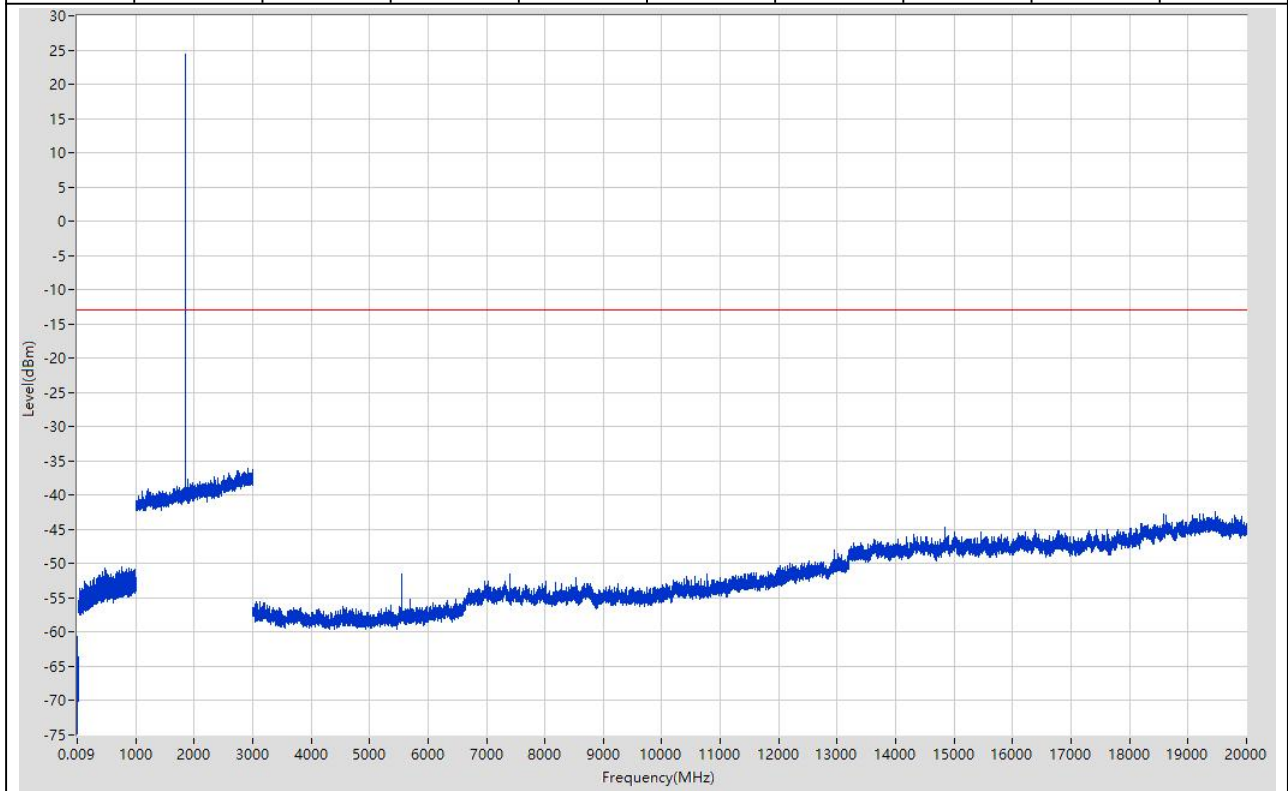
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.009           | -54.92      | -13         | 41.92       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.24            | -54.51      | -13         | 41.51       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 376.8           | -45.01      | -13         | 32.01       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 848.7           | 31.3        | -13         | -44.3       | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 6790            | -23.93      | -13         | 10.93       | Pass    | 9002        |



## 4. GPRS\_PCS

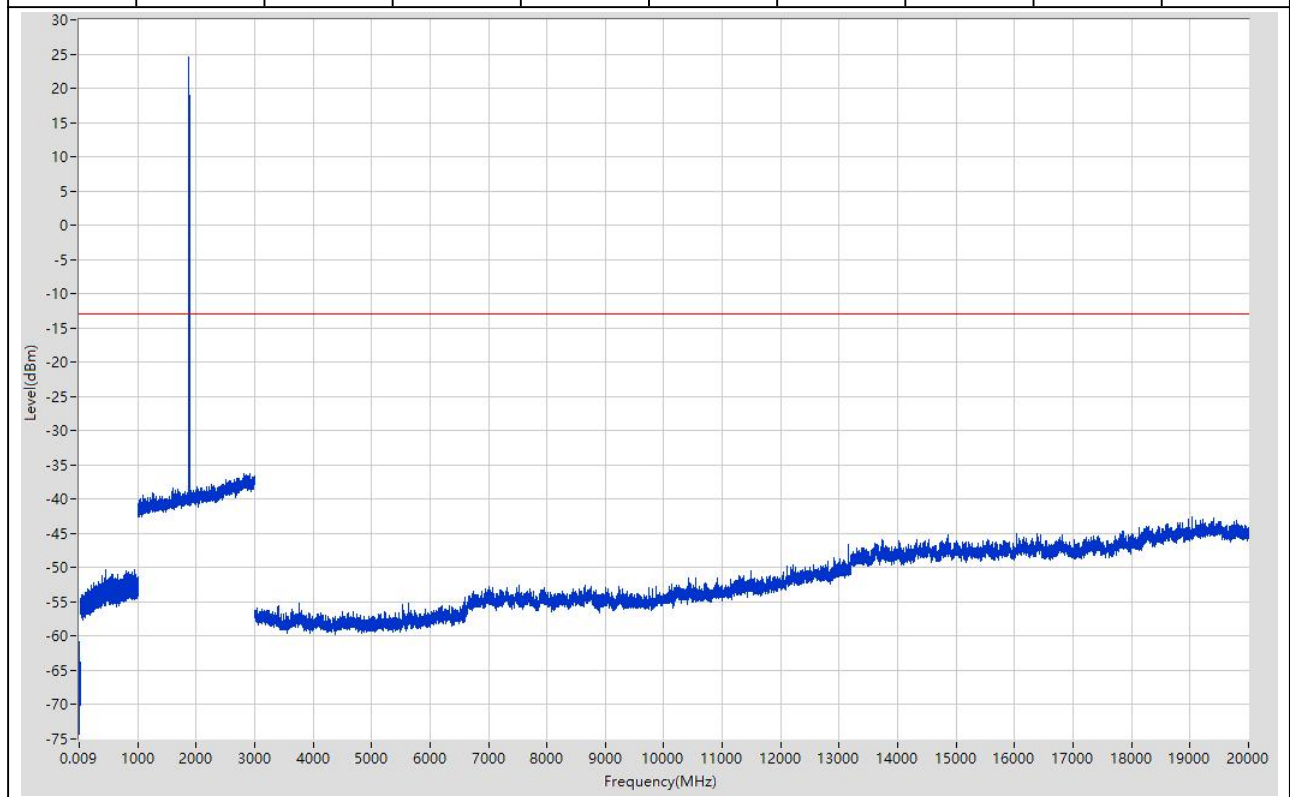
### 4.1 GPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:512)

| 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     | Peak     | 0.013           | -61.4       | -13         | 48.4        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.38            | -60.54      | -13         | 47.54       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 751.5           | -50.47      | -13         | 37.47       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1850            | 24.44       | -13         | -37.44      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 19474           | -42.37      | -13         | 29.37       | Pass    | 17003       |



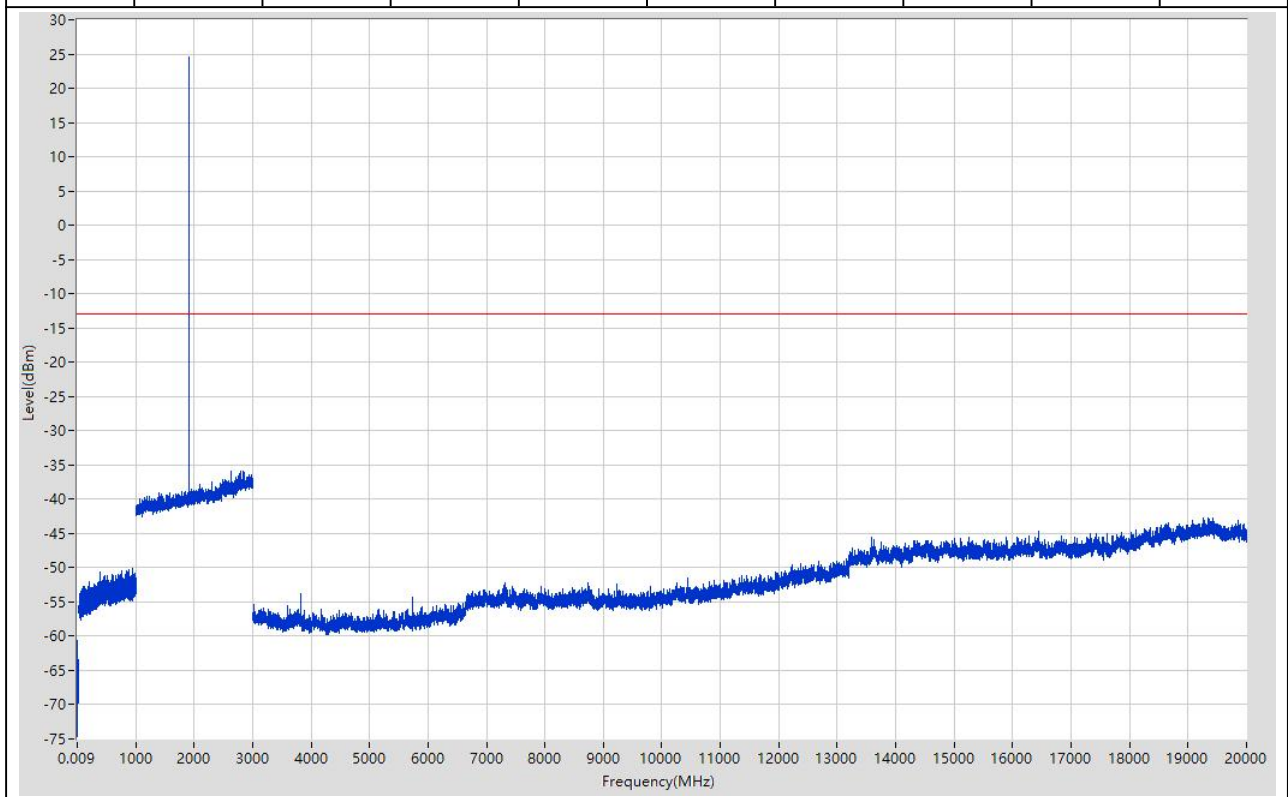
## 4.2 GPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:661)

| 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     | Peak     | 0.012           | -60.8       | -13         | 47.8        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.21            | -60.73      | -13         | 47.73       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 452.6           | -50.27      | -13         | 37.27       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1880            | 24.54       | -13         | -37.54      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 19040           | -42.55      | -13         | 29.55       | Pass    | 17003       |



#### 4.3 GPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:810)

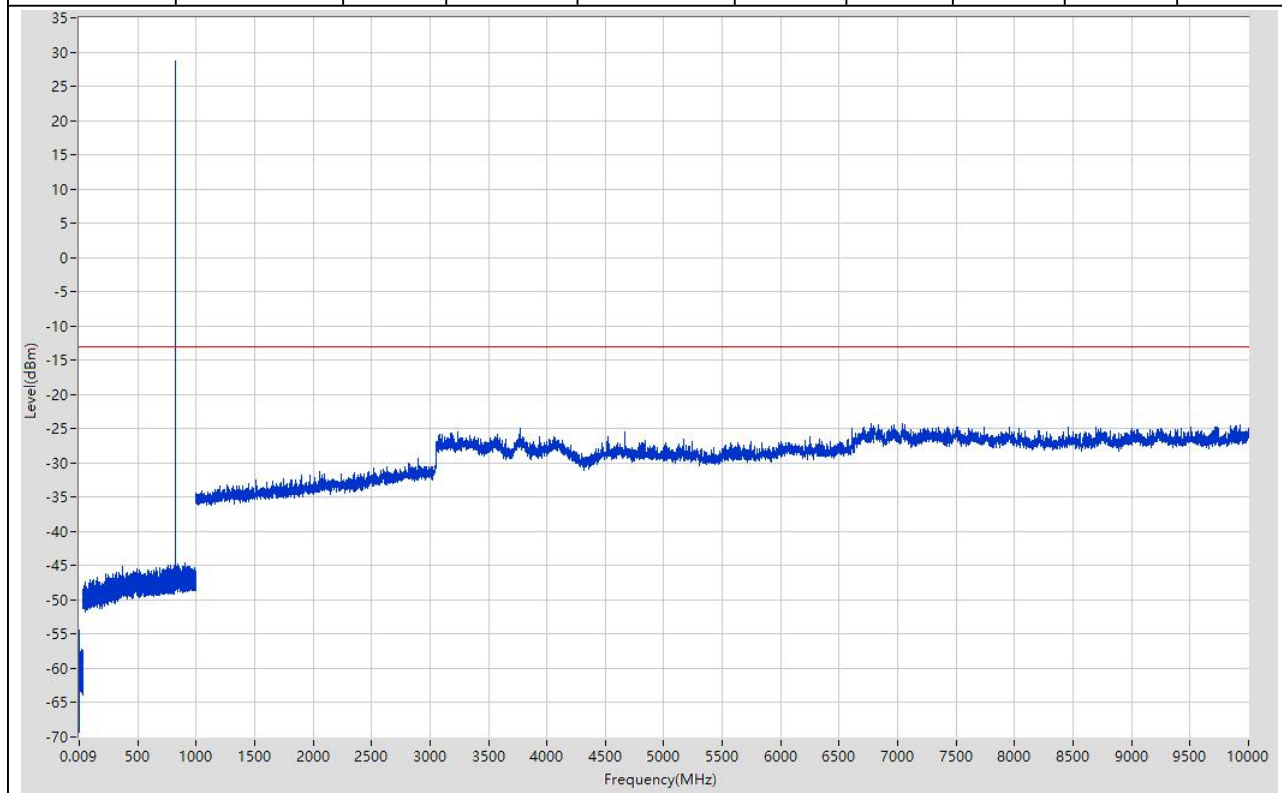
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.015           | -61.77      | -13         | 48.77       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.15            | -60.6       | -13         | 47.6        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 943.763         | -50.13      | -13         | 37.13       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1910            | 24.55       | -13         | -37.55      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 19338           | -42.7       | -13         | 29.7        | Pass    | 17003       |



## 5. EGPRS\_GSM850

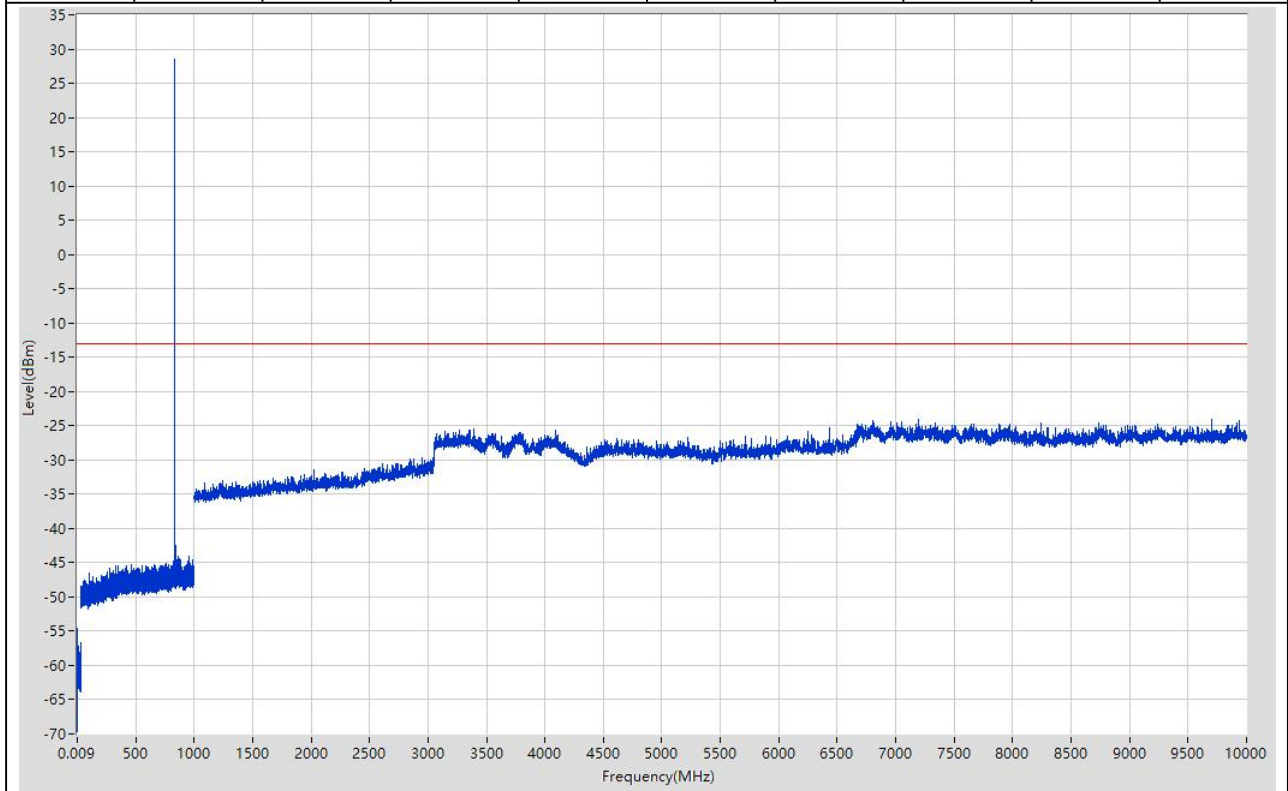
### 5.1 EGPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:128)

| 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     | Peak     | 0.015           | -56.05      | -13         | 43.05       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.51            | -54.36      | -13         | 41.36       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 373.3           | -45.19      | -13         | 32.19       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 824.2           | 28.71       | -13         | -41.71      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 6772            | -24.29      | -13         | 11.29       | Pass    | 9002        |



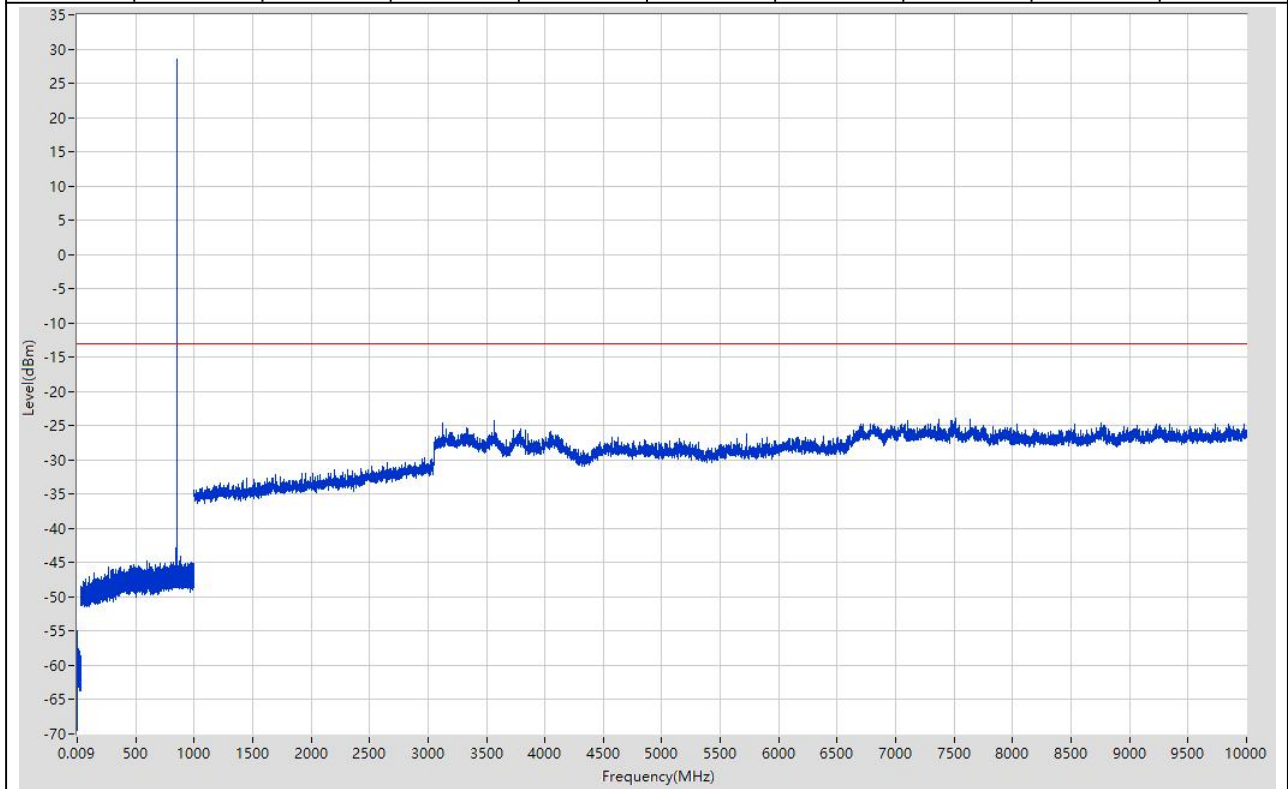
## 5.2 EGPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:190)

| Start<br>Freque<br>ncy<br>(MHz) | Stop<br>Freque<br>ncy<br>(MHz) | RBW<br>(MHz) | Detecto<br>r | Freque<br>ncy<br>(MHz) | Power<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Verdict | Sweep<br>Point |
|---------------------------------|--------------------------------|--------------|--------------|------------------------|----------------|----------------|----------------|---------|----------------|
| 0.009                           | 0.15                           | 0.001        | Peak         | 0.013                  | -56.83         | -13            | 43.83          | Pass    | 401            |
| 0.15                            | 30                             | 0.01         | Peak         | 0.28                   | -54.62         | -13            | 41.62          | Pass    | 2986           |
| 30                              | 500                            | 0.1          | Peak         | 461.4                  | -45.29         | -13            | 32.29          | Pass    | 4701           |
| 500                             | 1000                           | 0.1          | Peak         | 836.6                  | 28.51          | -13            | -41.51         | N/A     | 5001           |
| 1000                            | 10000                          | 1            | Peak         | 7197                   | -24.03         | -13            | 11.03          | Pass    | 9002           |



### 5.3 EGPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:251)

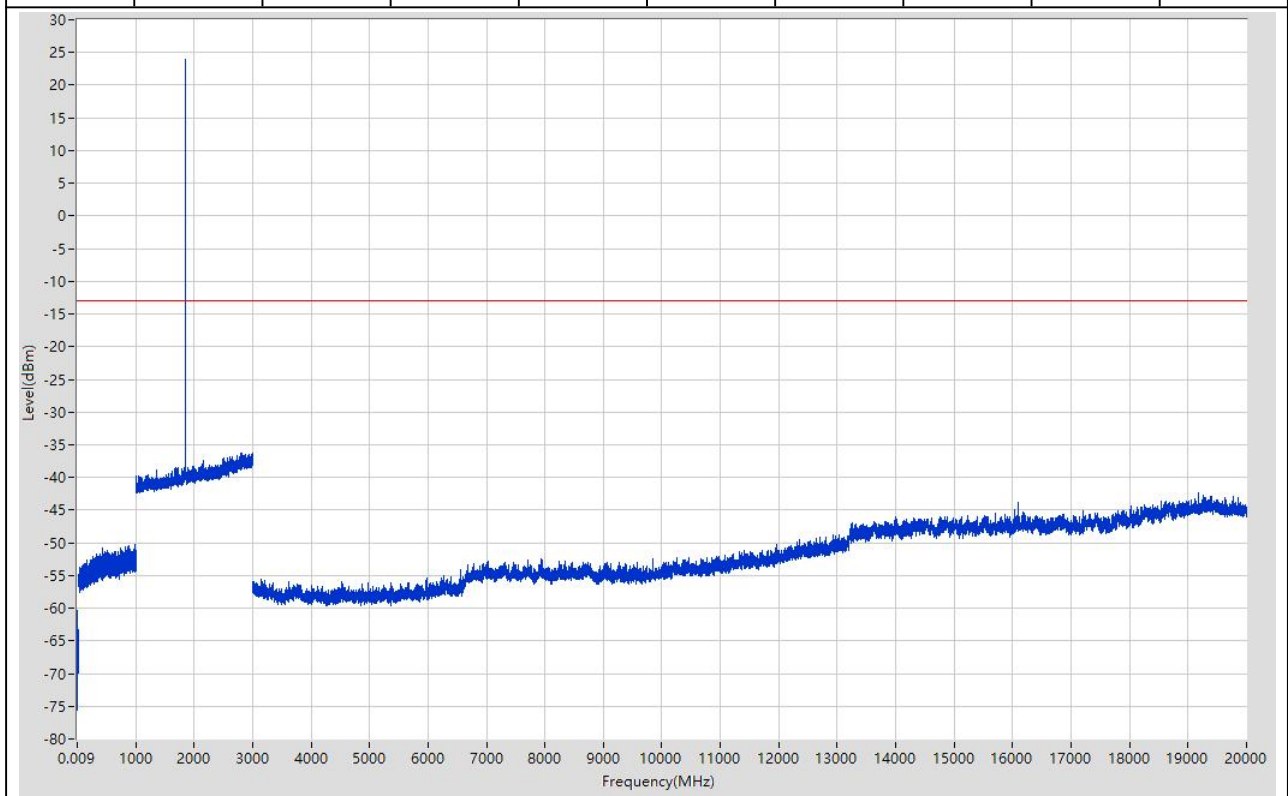
| Start<br>Freque<br>ncy<br>(MHz) | Stop<br>Freque<br>ncy<br>(MHz) | RBW<br>(MHz) | Detecto<br>r | Freque<br>ncy<br>(MHz) | Power<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Verdict | Sweep<br>Point |
|---------------------------------|--------------------------------|--------------|--------------|------------------------|----------------|----------------|----------------|---------|----------------|
| 0.009                           | 0.15                           | 0.001        | Peak         | 0.011                  | -54.98         | -13            | 41.98          | Pass    | 401            |
| 0.15                            | 30                             | 0.01         | Peak         | 0.16                   | -55.01         | -13            | 42.01          | Pass    | 2986           |
| 30                              | 500                            | 0.1          | Peak         | 484.7                  | -45.28         | -13            | 32.28          | Pass    | 4701           |
| 500                             | 1000                           | 0.1          | Peak         | 848.8                  | 28.6           | -13            | -41.6          | N/A     | 5001           |
| 1000                            | 10000                          | 1            | Peak         | 7510                   | -23.96         | -13            | 10.96          | Pass    | 9002           |



## 6. EGPRS\_PCS

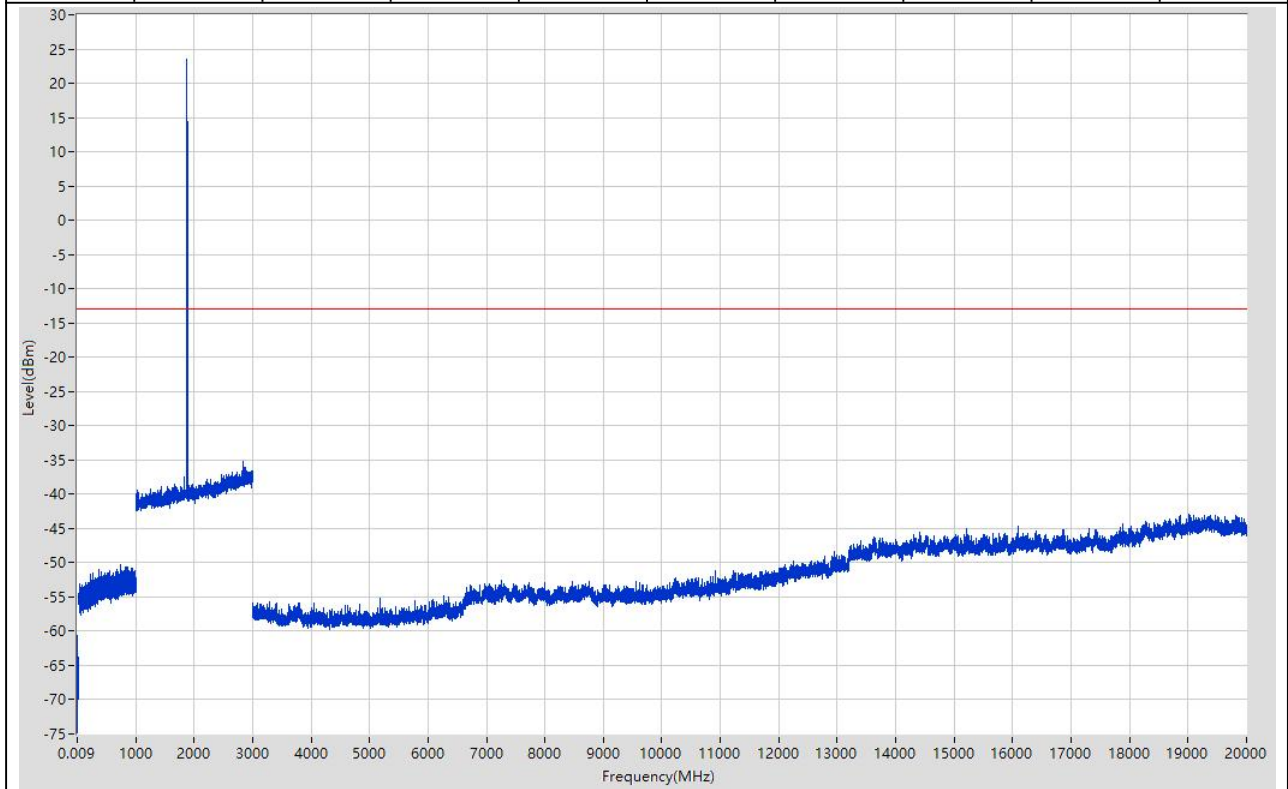
### 6.1 EGPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:512)

| Start<br>Freque<br>ncy<br>(MHz) | Stop<br>Freque<br>ncy<br>(MHz) | RBW<br>(MHz) | Detecto<br>r | Freque<br>ncy<br>(MHz) | Power<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Verdict | Sweep<br>Point |
|---------------------------------|--------------------------------|--------------|--------------|------------------------|----------------|----------------|----------------|---------|----------------|
| 0.009                           | 0.15                           | 0.001        | Peak         | 0.01                   | -61.02         | -13            | 48.02          | Pass    | 401            |
| 0.15                            | 30                             | 0.01         | Peak         | 0.19                   | -60.32         | -13            | 47.32          | Pass    | 2986           |
| 30                              | 1000                           | 0.1          | Peak         | 976.785                | -50.27         | -13            | 37.27          | Pass    | 9701           |
| 1000                            | 3000                           | 1            | Peak         | 1850                   | 23.93          | -13            | -36.93         | N/A     | 2001           |
| 3000                            | 20000                          | 1            | Peak         | 19171                  | -42.32         | -13            | 29.32          | Pass    | 17003          |



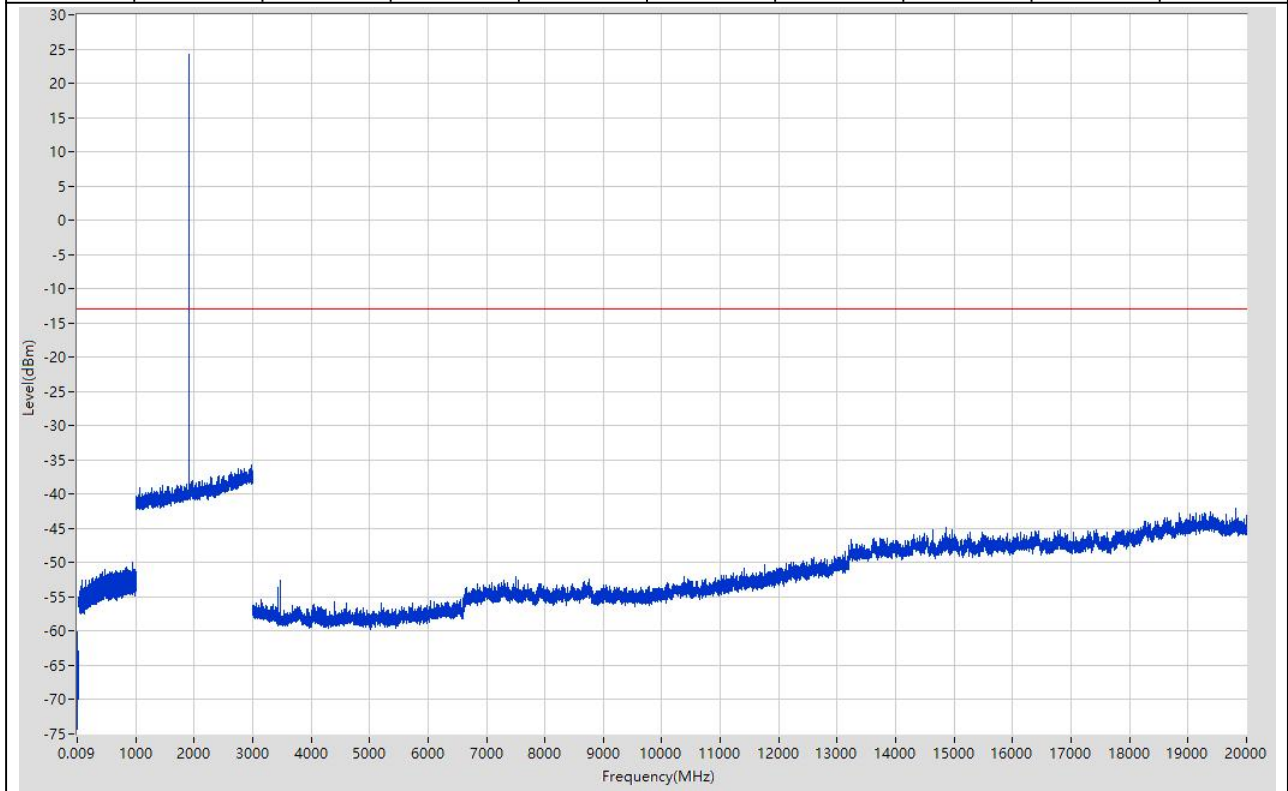
## 6.2 EGPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:661)

| Start<br>Freque<br>ncy<br>(MHz) | Stop<br>Freque<br>ncy<br>(MHz) | RBW<br>(MHz) | Detecto<br>r | Freque<br>ncy<br>(MHz) | Power<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Verdict | Sweep<br>Point |
|---------------------------------|--------------------------------|--------------|--------------|------------------------|----------------|----------------|----------------|---------|----------------|
| 0.009                           | 0.15                           | 0.001        | Peak         | 0.011                  | -61.62         | -13            | 48.62          | Pass    | 401            |
| 0.15                            | 30                             | 0.01         | Peak         | 0.21                   | -60.61         | -13            | 47.61          | Pass    | 2986           |
| 30                              | 1000                           | 0.1          | Peak         | 737.2                  | -50.22         | -13            | 37.22          | Pass    | 9701           |
| 1000                            | 3000                           | 1            | Peak         | 1880                   | 23.48          | -13            | -36.48         | N/A     | 2001           |
| 3000                            | 20000                          | 1            | Peak         | 19010                  | -42.93         | -13            | 29.93          | Pass    | 17003          |



### 6.3 EGPRS Spurious Emission at Antenna Terminals\_Part22-24(NTNV)(Channel:810)

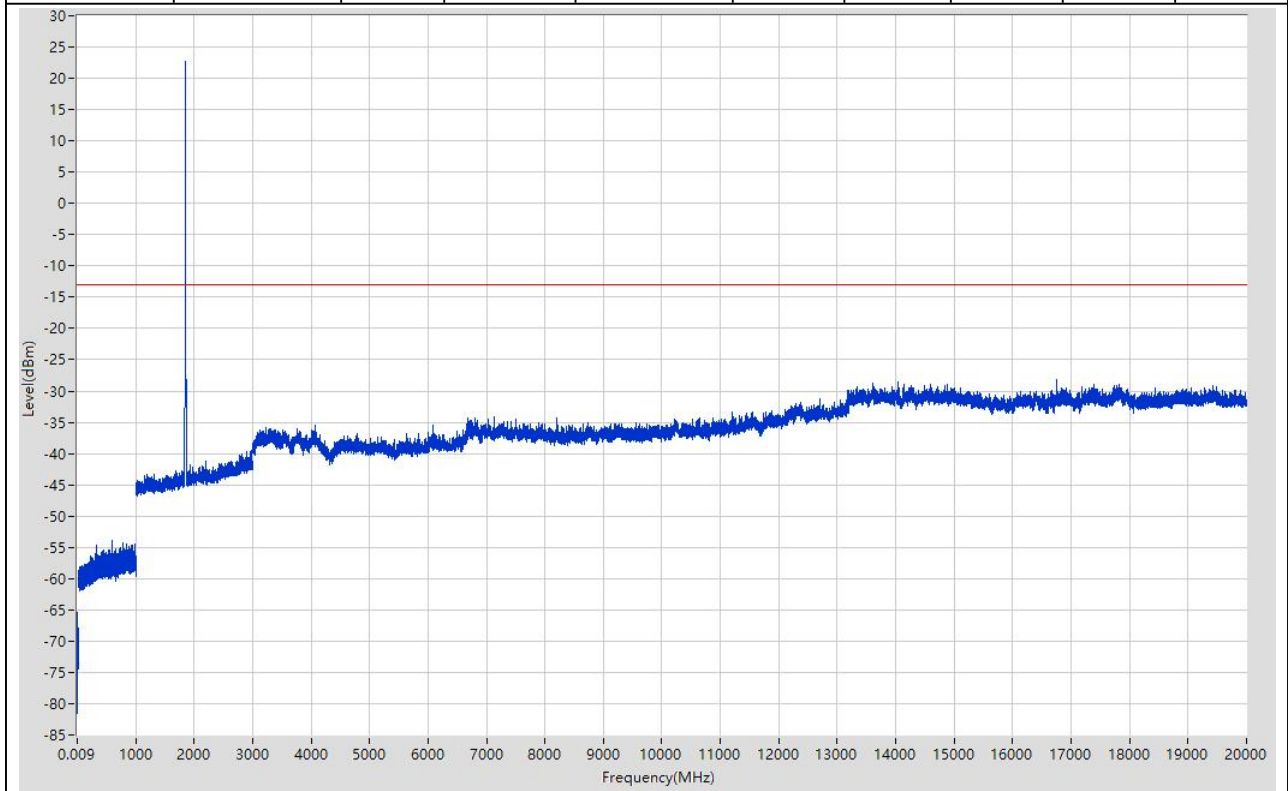
| Start<br>Freque<br>ncy<br>(MHz) | Stop<br>Freque<br>ncy<br>(MHz) | RBW<br>(MHz) | Detecto<br>r | Freque<br>ncy<br>(MHz) | Power<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Verdict | Sweep<br>Point |
|---------------------------------|--------------------------------|--------------|--------------|------------------------|----------------|----------------|----------------|---------|----------------|
| 0.009                           | 0.15                           | 0.001        | Peak         | 0.011                  | -61.7          | -13            | 48.7           | Pass    | 401            |
| 0.15                            | 30                             | 0.01         | Peak         | 0.21                   | -60.08         | -13            | 47.08          | Pass    | 2986           |
| 30                              | 1000                           | 0.1          | Peak         | 936.458                | -49.93         | -13            | 36.93          | Pass    | 9701           |
| 1000                            | 3000                           | 1            | Peak         | 1910                   | 24.29          | -13            | -37.29         | N/A     | 2001           |
| 3000                            | 20000                          | 1            | Peak         | 19822                  | -42.06         | -13            | 29.06          | Pass    | 17003          |



## 7. WCDMA\_Band2

### 7.1 WCDMA Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Channel:9262)

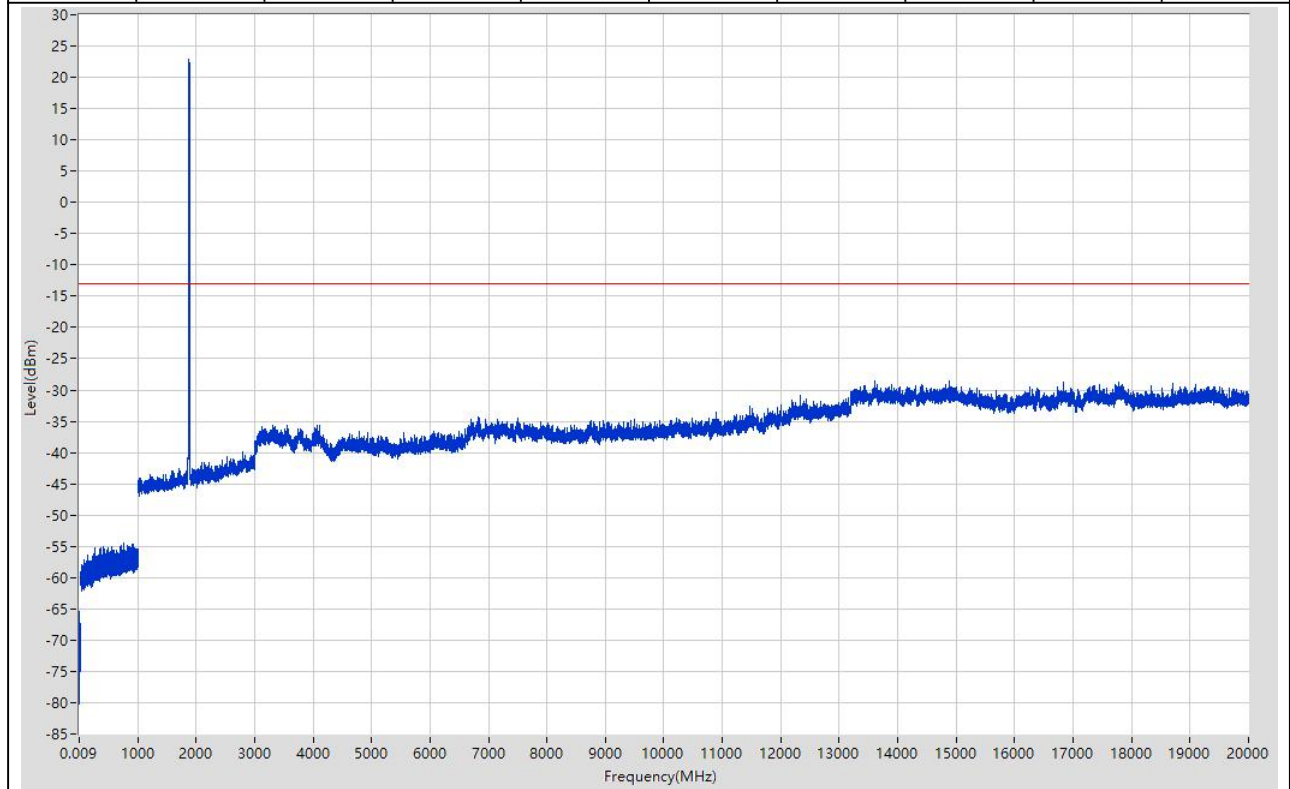
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.013           | -66.43      | -13         | 53.43       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.68            | -65.51      | -13         | 52.51       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 604.3           | -53.81      | -13         | 40.81       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1851            | 22.78       | -13         | -35.78      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 16749           | -28.13      | -13         | 15.13       | Pass    | 17003       |



## 7.2 WCDMA Spurious Emission at Antenna

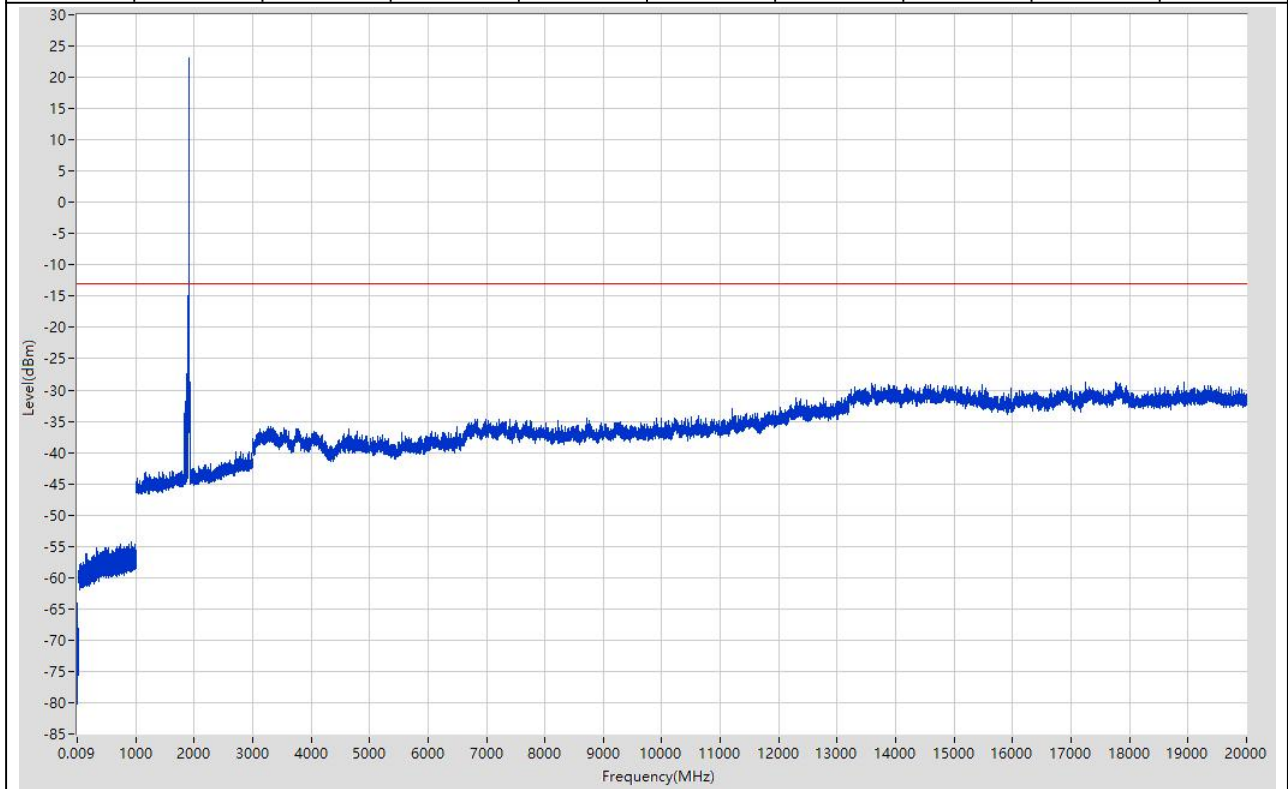
### Terminals\_Part22-24-27(NTNV)(Channel:9400)

| 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     | Peak     | 0.014           | -65.48      | -13         | 52.48       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.59            | -65.33      | -13         | 52.33       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 755.4           | -54.48      | -13         | 41.48       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1879            | 22.89       | -13         | -35.89      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 13607           | -28.48      | -13         | 15.48       | Pass    | 17003       |



### 7.3 WCDMA Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Channel:9538)

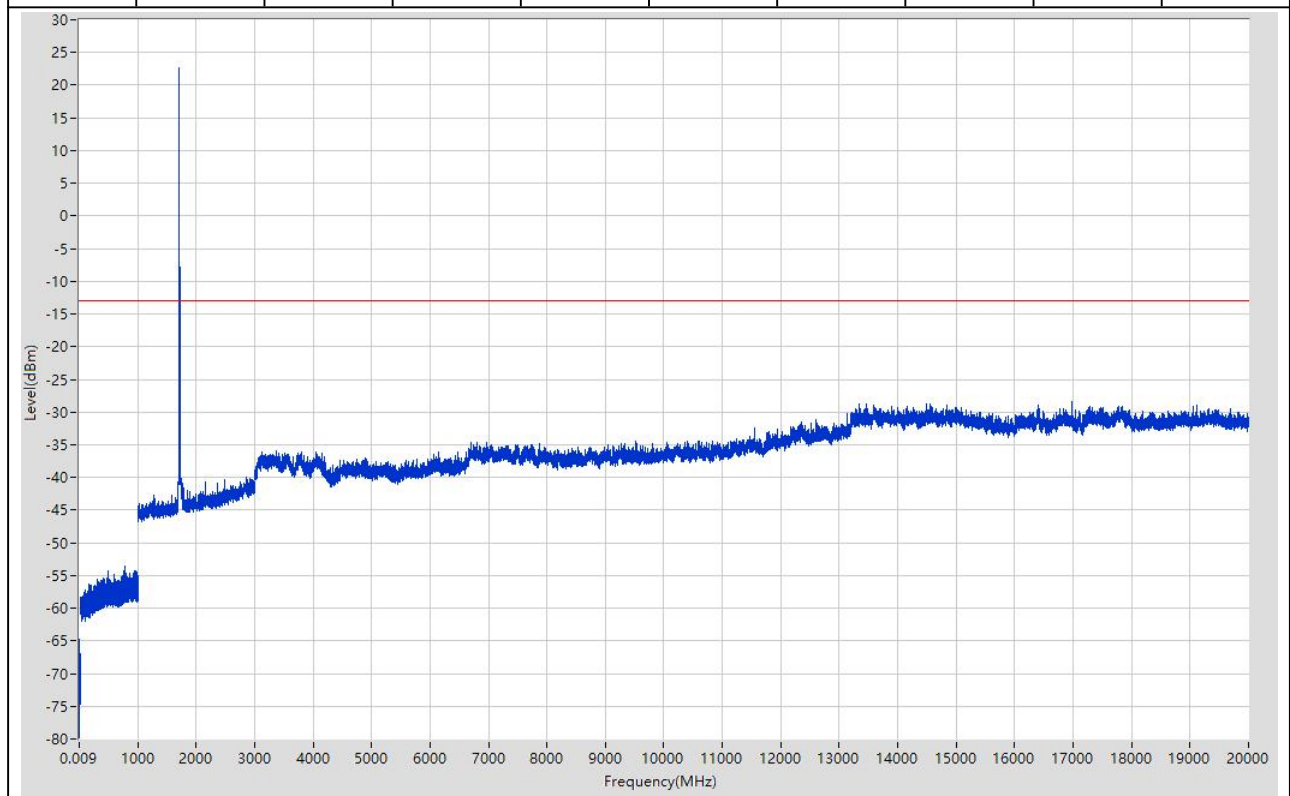
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.01            | -64.16      | -13         | 51.16       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.15            | -65.41      | -13         | 52.41       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 928.753         | -54.36      | -13         | 41.36       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1906            | 23.13       | -13         | -36.13      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 18941           | -28.78      | -13         | 15.78       | Pass    | 17003       |



## 8. WCDMA\_Band4

### 8.1 WCDMA Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Channel:1312)

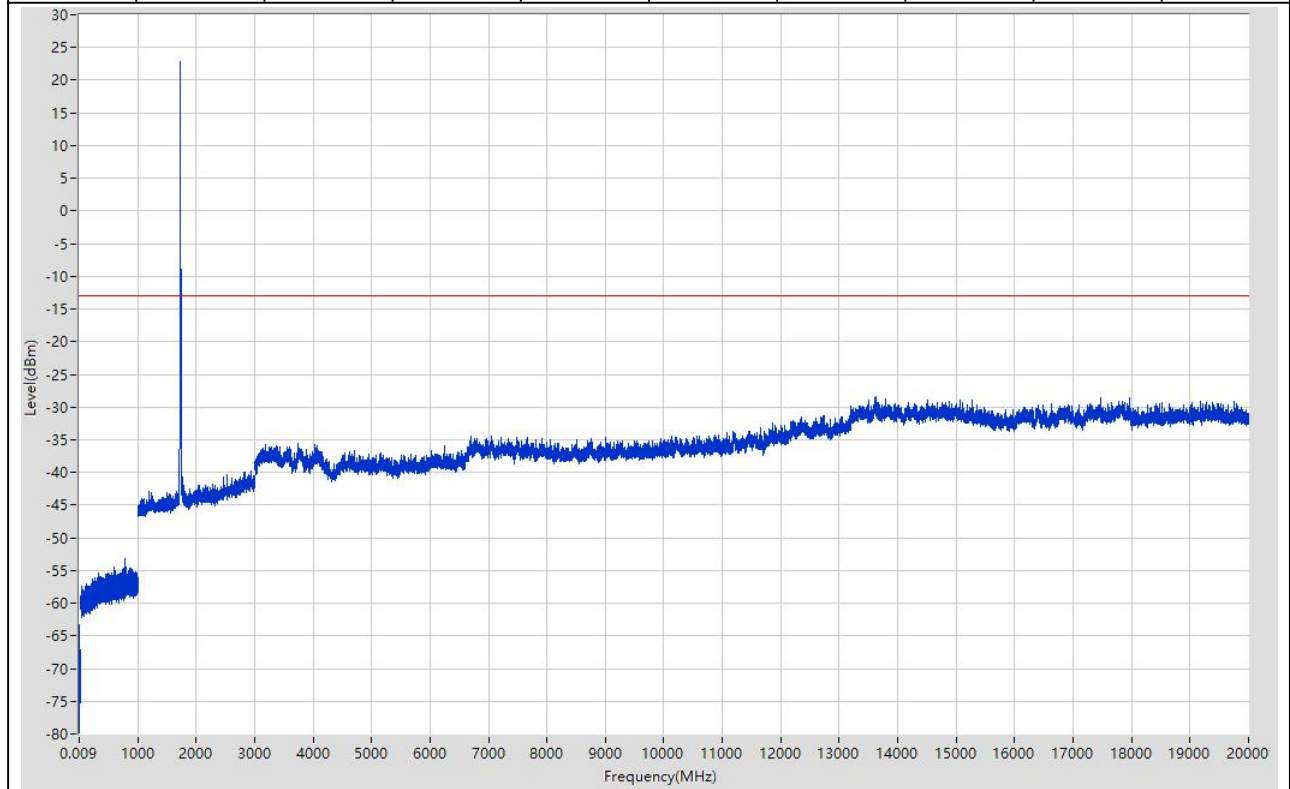
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.009           | -65.67      | -13         | 52.67       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.23            | -64.74      | -13         | 51.74       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 786.7           | -53.59      | -13         | 40.59       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1711            | 22.66       | -13         | -35.66      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 16974           | -28.45      | -13         | 15.45       | Pass    | 17003       |



## 8.2 WCDMA Spurious Emission at Antenna

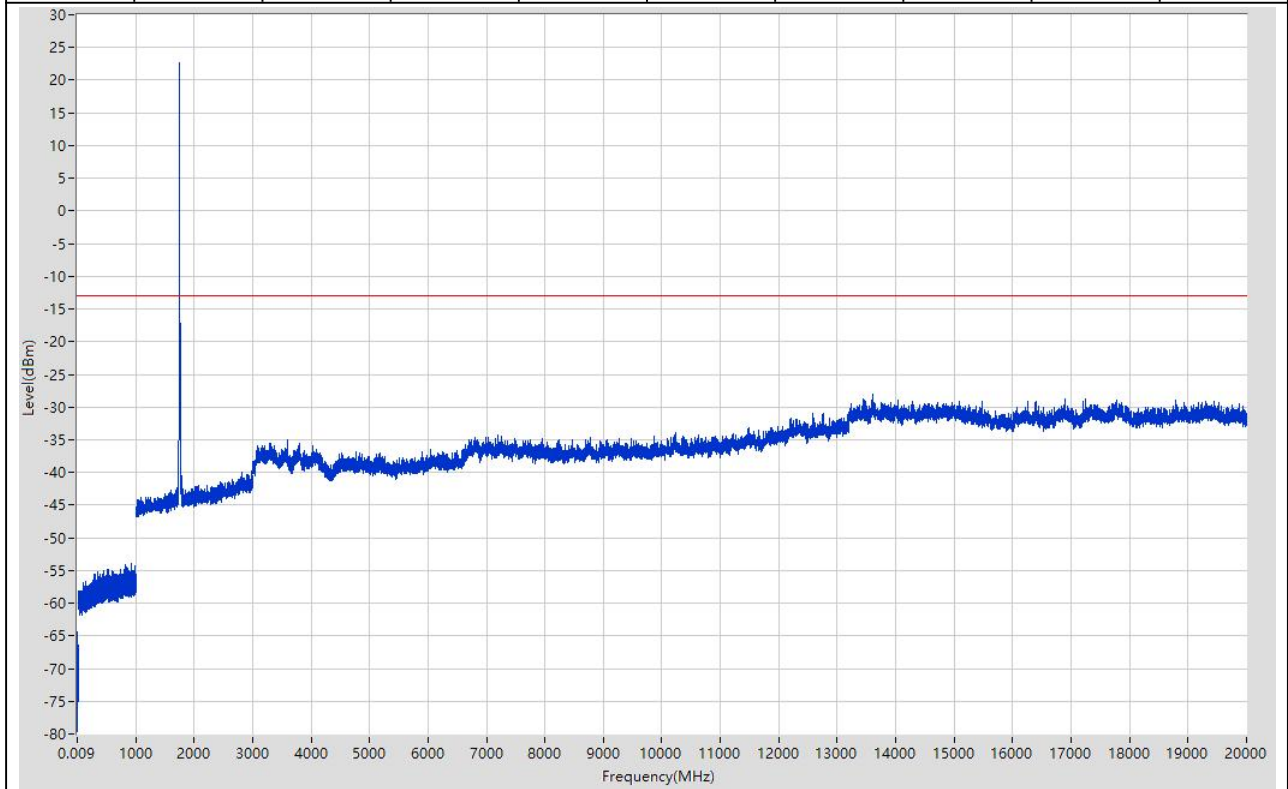
### Terminals\_Part22-24-27(NTNV)(Channel:1412)

| 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     | Peak     | 0.009           | -65.19      | -13         | 52.19       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.17            | -63.36      | -13         | 50.36       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 787.5           | -53.23      | -13         | 40.23       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1731            | 22.84       | -13         | -35.84      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 13621           | -28.39      | -13         | 15.39       | Pass    | 17003       |



### 8.3 WCDMA Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Channel:1513)

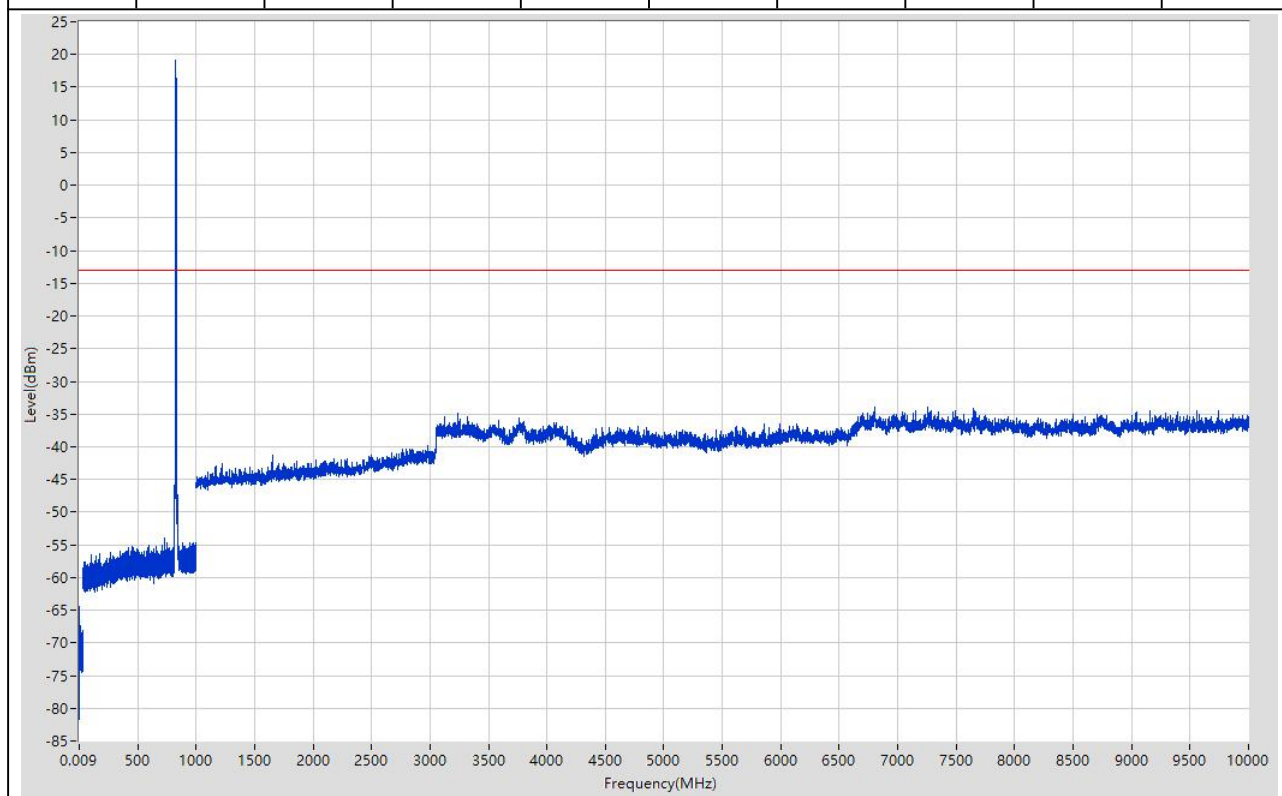
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.011           | -65.73      | -13         | 52.73       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.18            | -64.39      | -13         | 51.39       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | Peak     | 929.453         | -53.83      | -13         | 40.83       | Pass    | 9701        |
| 1000                  | 3000                 | 1         | Peak     | 1754            | 22.73       | -13         | -35.73      | N/A     | 2001        |
| 3000                  | 20000                | 1         | Peak     | 13610           | -28.07      | -13         | 15.07       | Pass    | 17003       |



## 9. WCDMA\_Band5

### 9.1 WCDMA Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Channel:4132)

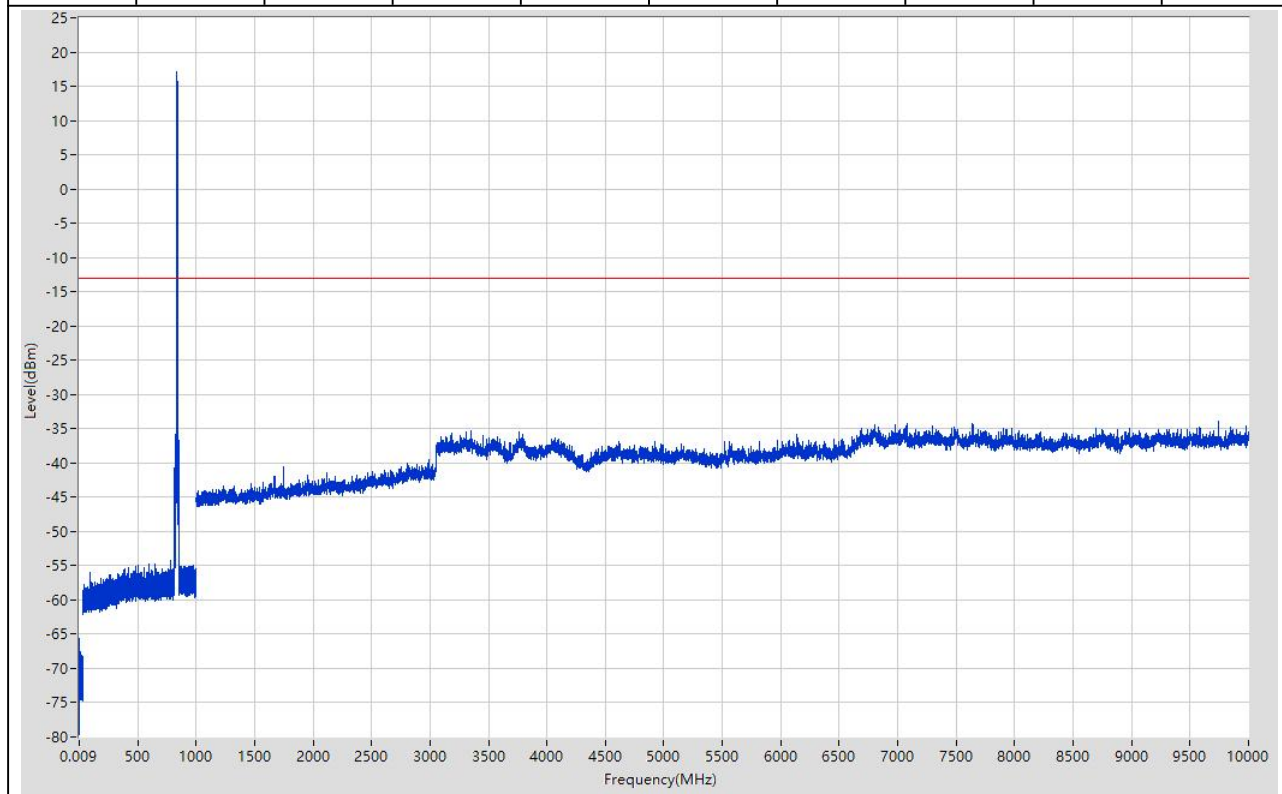
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.014           | -65.94      | -13         | 52.94       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.18            | -64.36      | -13         | 51.36       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 455.3           | -55.31      | -13         | 42.31       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 825.5           | 19.19       | -13         | -32.19      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 7259            | -33.89      | -13         | 20.89       | Pass    | 9002        |



## 9.2 WCDMA Spurious Emission at Antenna

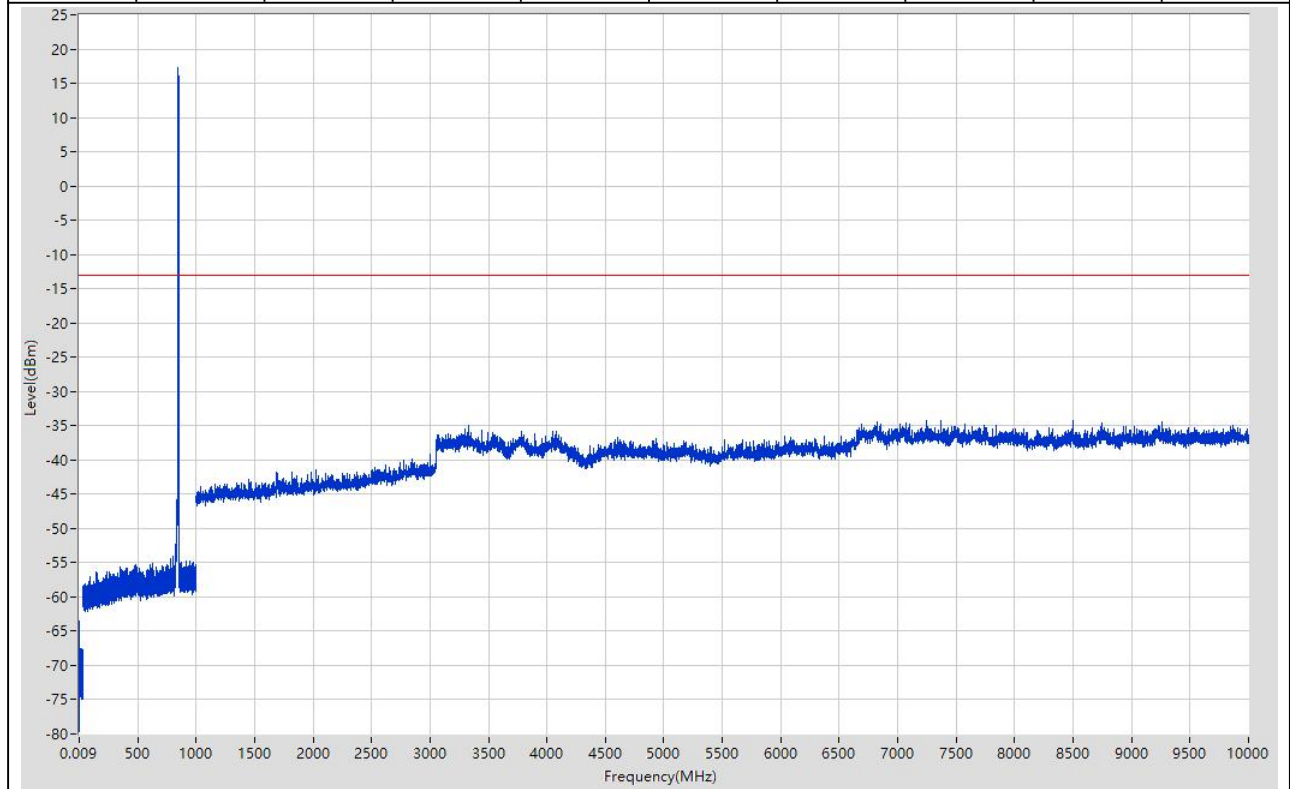
### Terminals\_Part22-24-27(NTNV)(Channel:4182)

| 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     | Peak     | 0.012           | -66.7       | -13         | 53.7        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.48            | -65.58      | -13         | 52.58       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 479.8           | -55.12      | -13         | 42.12       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 836.6           | 17.05       | -13         | -30.05      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 9742            | -33.87      | -13         | 20.87       | Pass    | 9002        |



### 9.3 WCDMA Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Channel:4233)

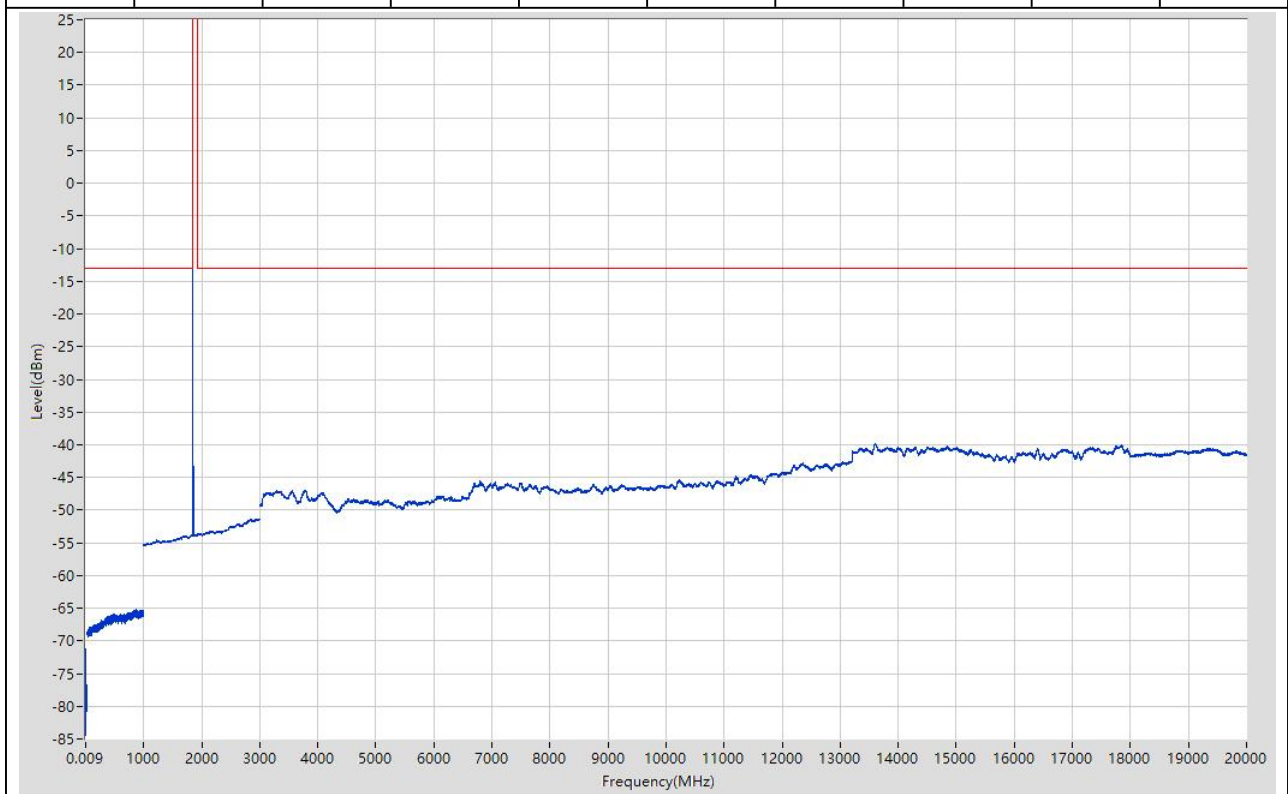
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | Peak     | 0.015           | -66.45      | -13         | 53.45       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | Peak     | 0.29            | -63.46      | -13         | 50.46       | Pass    | 2986        |
| 30                    | 500                  | 0.1       | Peak     | 482.9           | -55.24      | -13         | 42.24       | Pass    | 4701        |
| 500                   | 1000                 | 0.1       | Peak     | 847.9           | 17.34       | -13         | -30.34      | N/A     | 5001        |
| 1000                  | 10000                | 1         | Peak     | 7371            | -34.19      | -13         | 21.19       | Pass    | 9002        |



## 10. LTE\_Band2

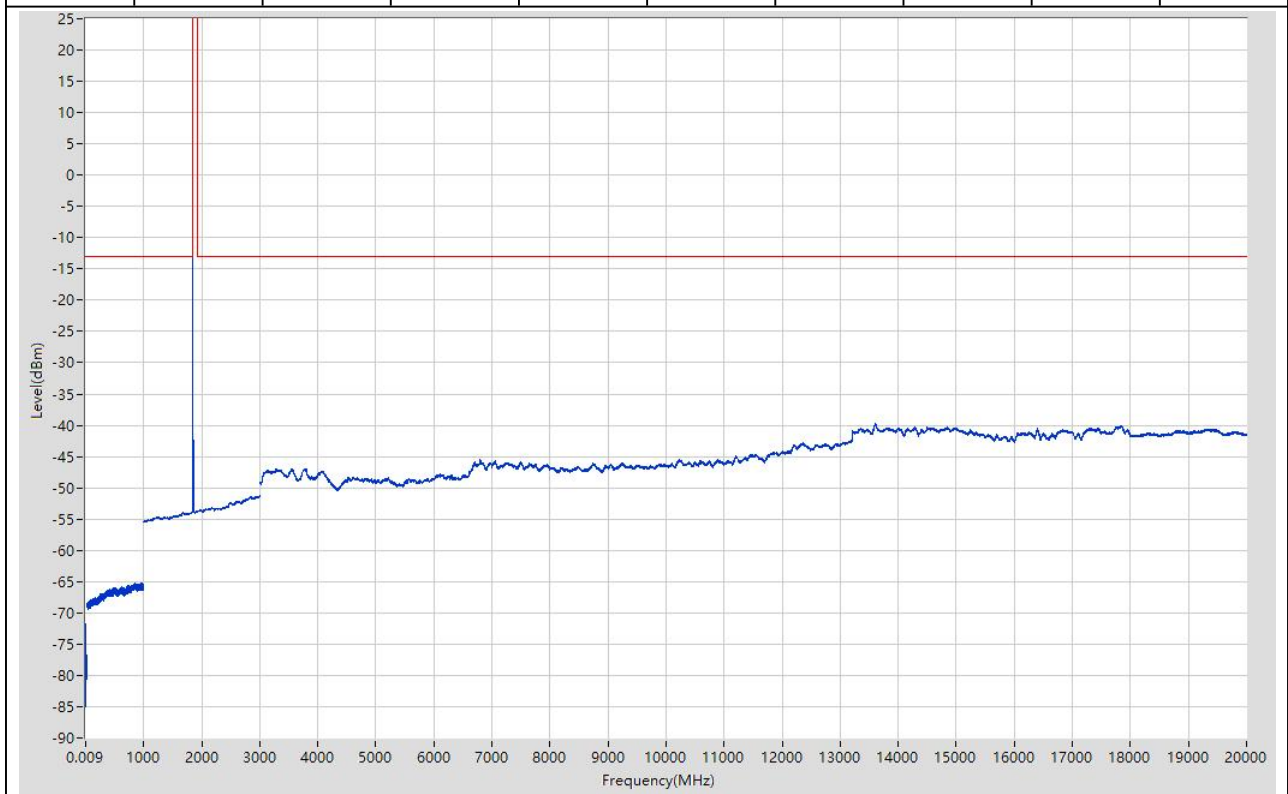
**10.1 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -71.27      | -13         | 58.27       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.18            | -71.81      | -13         | 58.81       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 875.117         | -65.23      | -13         | 52.23       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.62      | -13         | 40.62       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.2          | 17.44       | 60          | 42.56       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2840            | -51.33      | -13         | 38.33       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11998           | -44.15      | -13         | 31.15       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.8       | -13         | 26.8        | Pass    | 8001        |



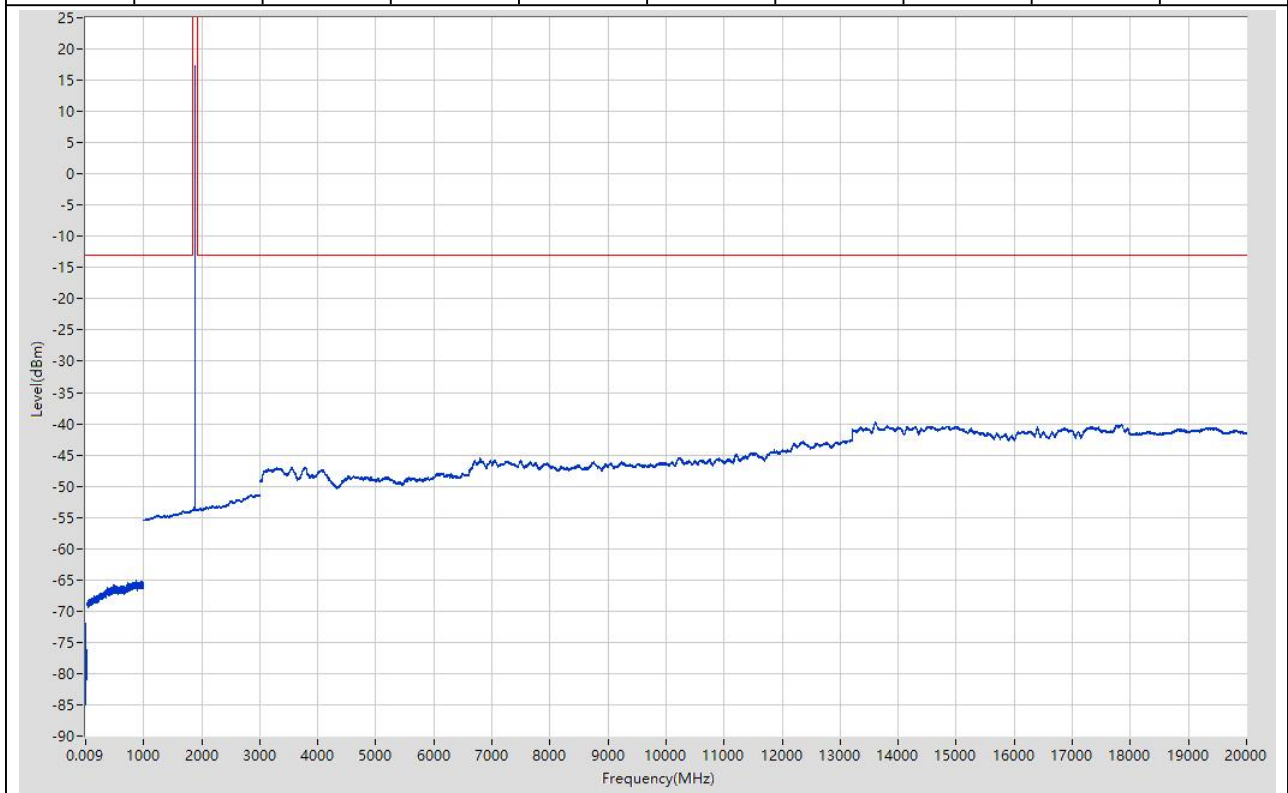
## 10.2 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:2, Channel:18607, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -71.69      | -13         | 58.69       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.2             | -72.44      | -13         | 59.44       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 852.402         | -65.24      | -13         | 52.24       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.66      | -13         | 40.66       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.2          | 17.51       | 60          | 42.49       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2992            | -51.3       | -13         | 38.3        | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11999           | -44.09      | -13         | 31.09       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13599           | -39.74      | -13         | 26.74       | Pass    | 8001        |



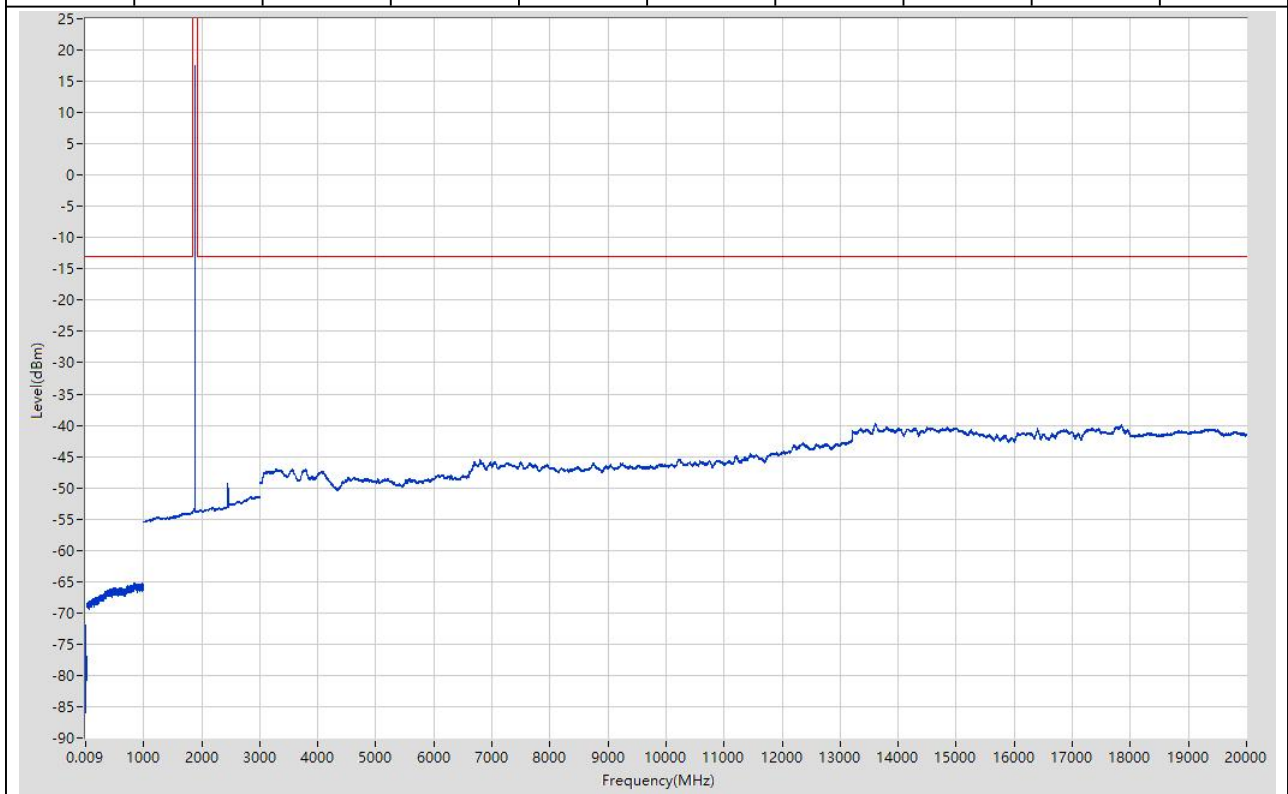
### 10.3 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:3, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -71.96      | -13         | 58.96       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.22            | -72.56      | -13         | 59.56       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 867.412         | -65.13      | -13         | 52.13       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1838            | -53.8       | -13         | 40.8        | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1879.4          | 17.41       | 60          | 42.59       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2988            | -51.33      | -13         | 38.33       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11856           | -44.2       | -13         | 31.2        | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.62      | -13         | 26.62       | Pass    | 8001        |



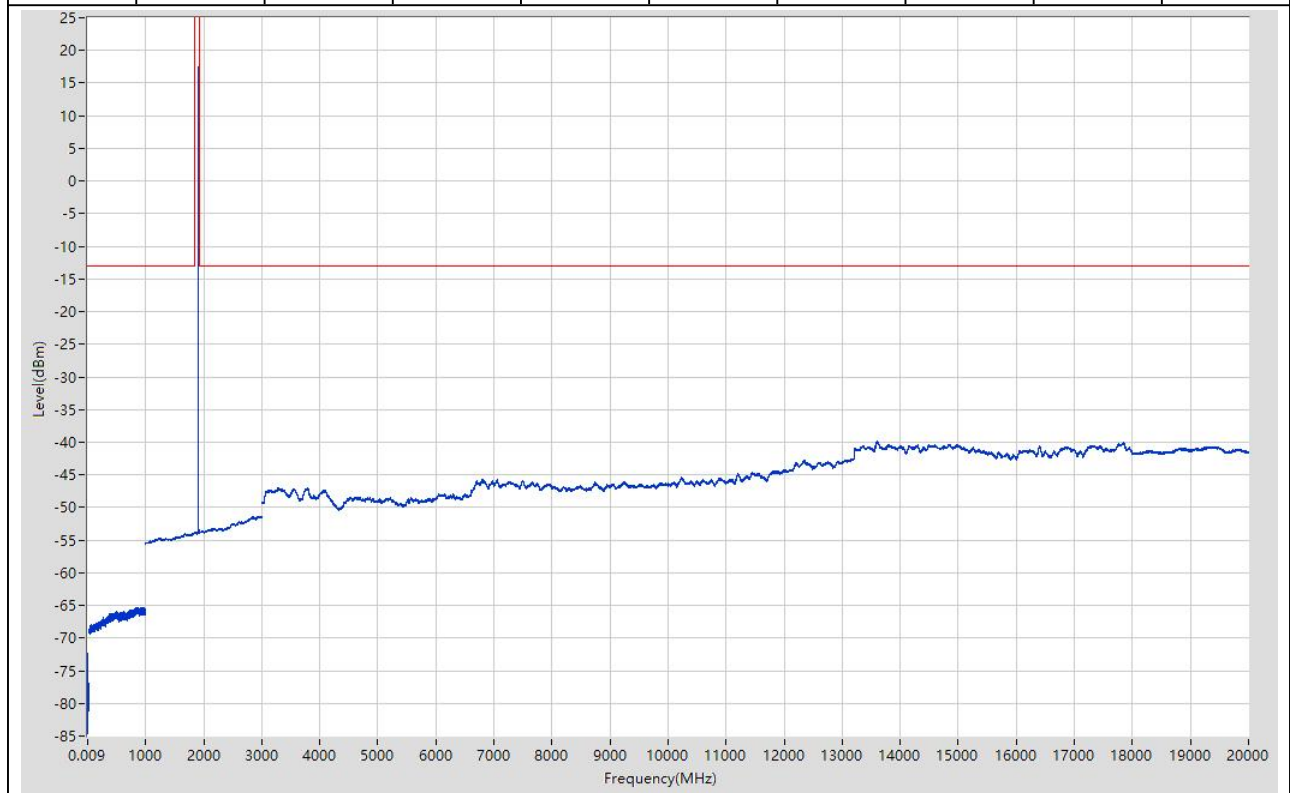
#### 10.4 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:4, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -71.9       | -13         | 58.9        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.17            | -72.1       | -13         | 59.1        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 842.1           | -65.28      | -13         | 52.28       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.78      | -13         | 40.78       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1879.4          | 17.49       | 60          | 42.51       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2449            | -49.23      | -13         | 36.23       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11993           | -44.23      | -13         | 31.23       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.74      | -13         | 26.74       | Pass    | 8001        |



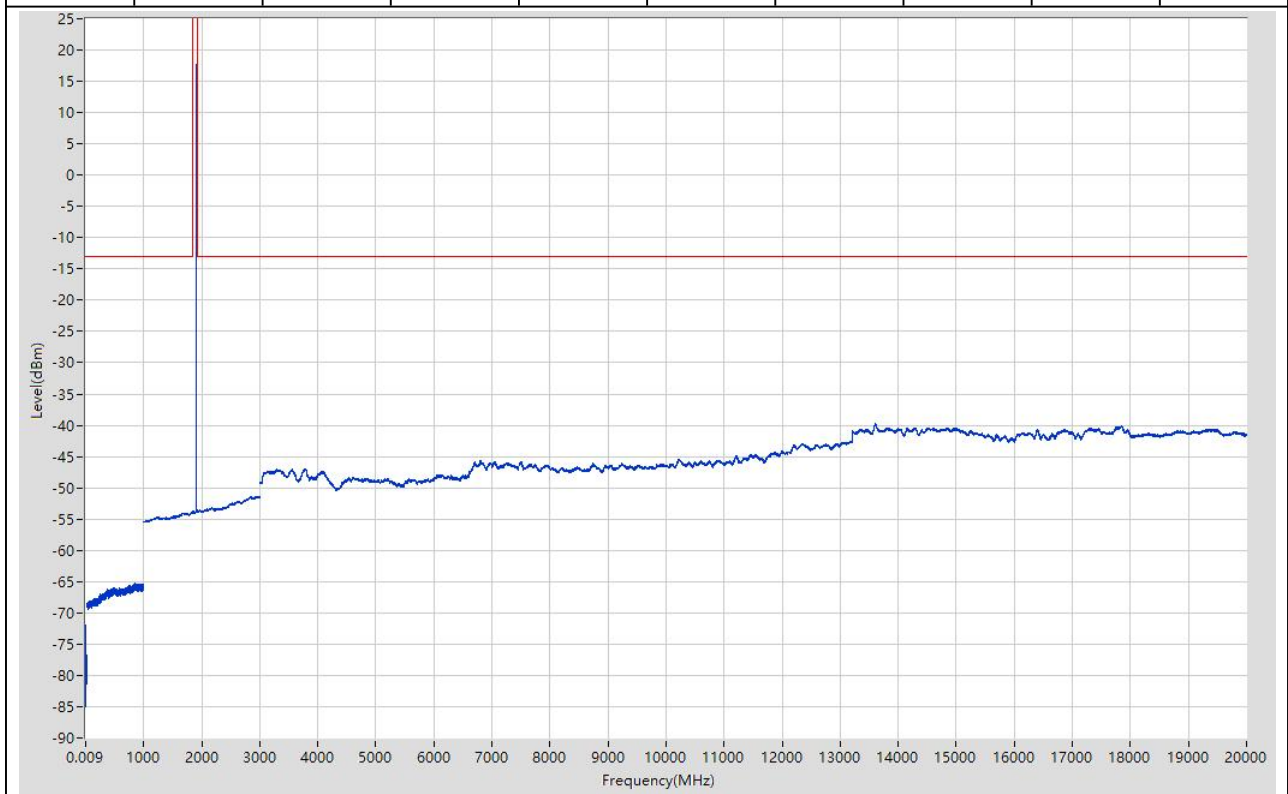
**10.5 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:5, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -72.93      | -13         | 59.93       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -72.4       | -13         | 59.4        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 852.102         | -65.28      | -13         | 52.28       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1836            | -53.85      | -13         | 40.85       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1908.8          | 17.56       | 60          | 42.44       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2991            | -51.38      | -13         | 38.38       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.26      | -13         | 31.26       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.84      | -13         | 26.84       | Pass    | 8001        |



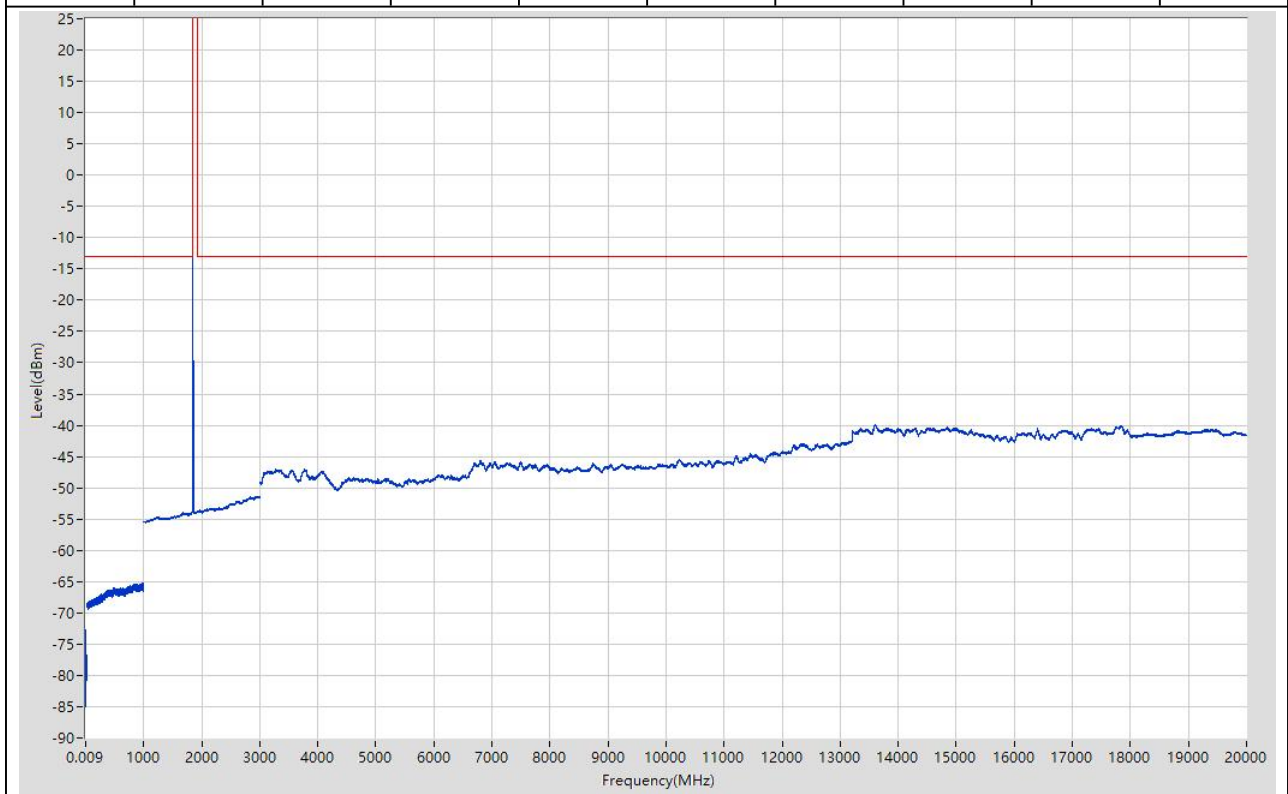
# 10.6 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:6, Channel:19193, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -71.91      | -13         | 58.91       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -72.35      | -13         | 59.35       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 858.906         | -65.31      | -13         | 52.31       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -53.93      | -13         | 40.93       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1908.8          | 17.71       | 60          | 42.29       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2982            | -51.41      | -13         | 38.41       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11992           | -44.12      | -13         | 31.12       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.78      | -13         | 26.78       | Pass    | 8001        |



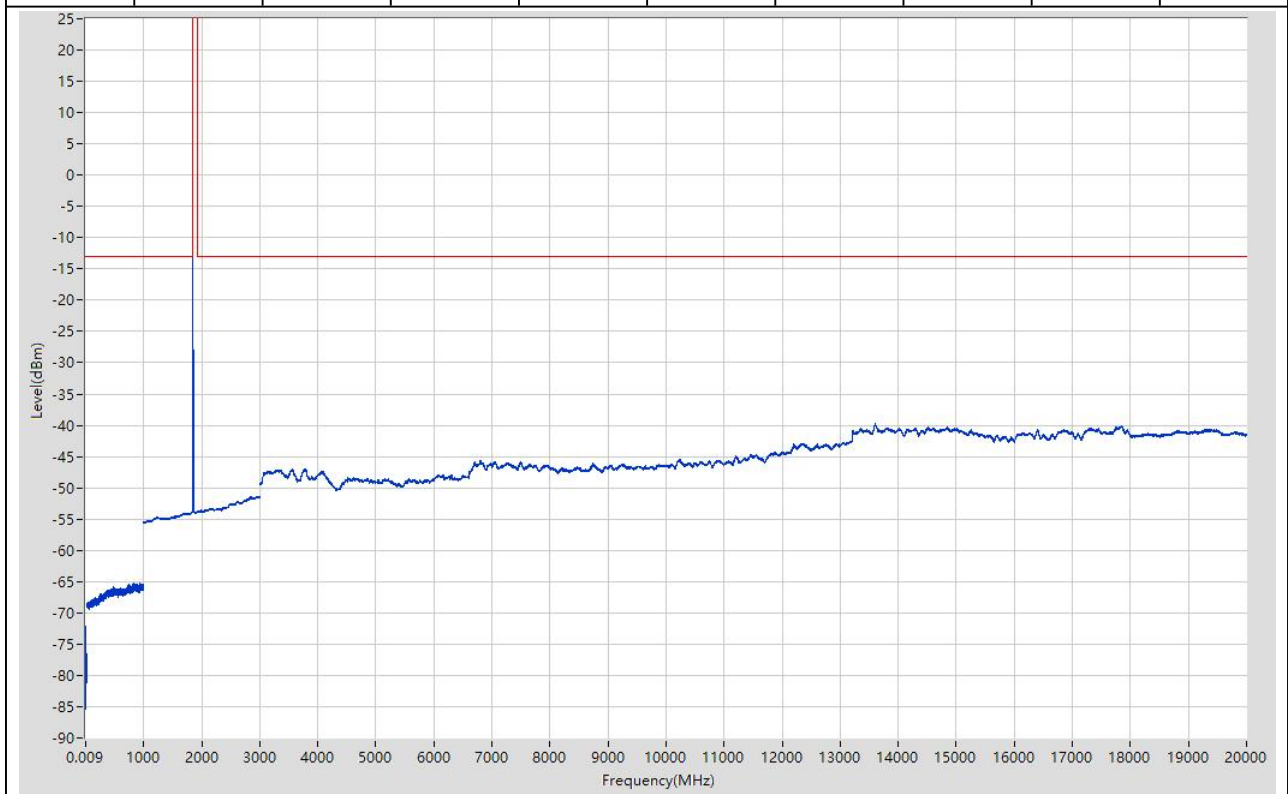
# 10.7 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:7, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.074           | -73.29      | -13         | 60.29       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -72.69      | -13         | 59.69       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 987.292         | -65.29      | -13         | 52.29       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.62      | -13         | 40.62       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.2          | 17.45       | 60          | 42.55       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2978            | -51.37      | -13         | 38.37       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11994           | -44.32      | -13         | 31.32       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13599           | -39.84      | -13         | 26.84       | Pass    | 8001        |



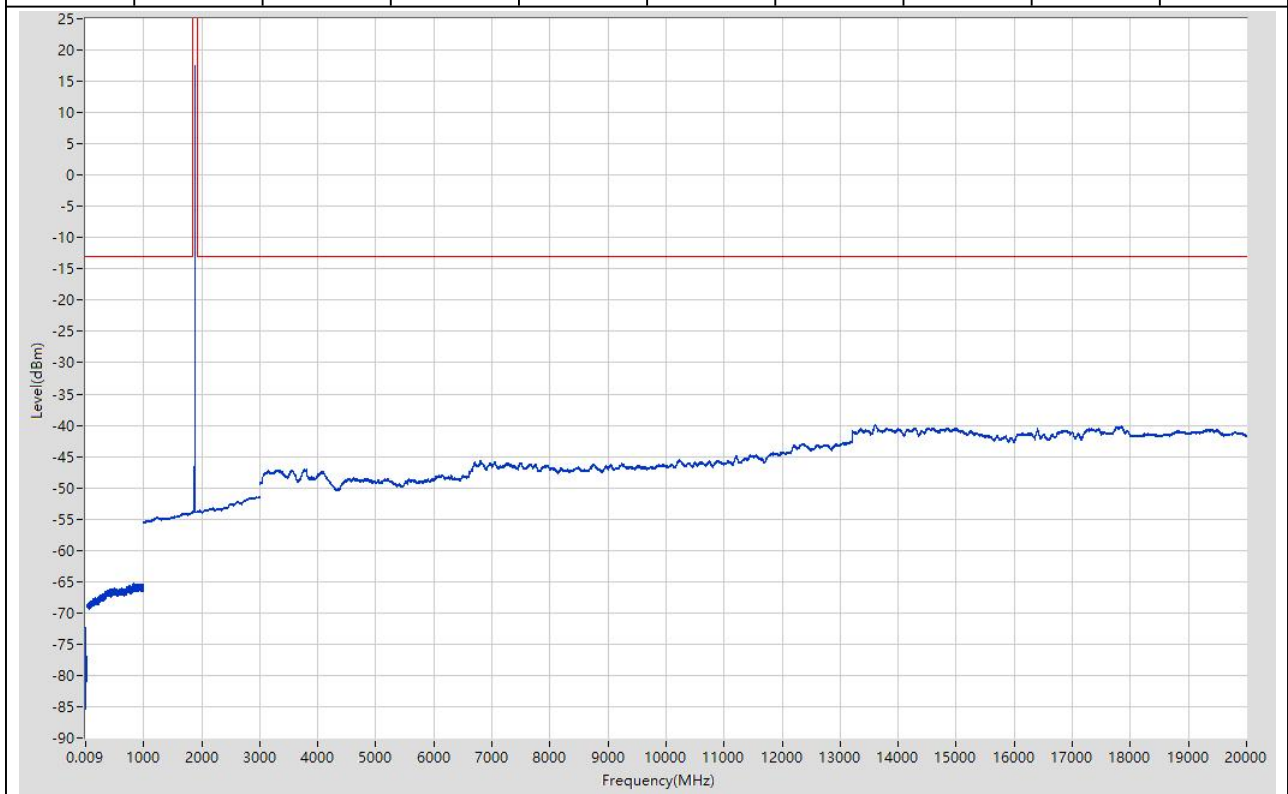
# 10.8 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:8, Channel:18615, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -72.11      | -13         | 59.11       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -72.24      | -13         | 59.24       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 933.356         | -65.19      | -13         | 52.19       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -53.6       | -13         | 40.6        | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.2          | 17.7        | 60          | 42.3        | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2981            | -51.37      | -13         | 38.37       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11996           | -44.3       | -13         | 31.3        | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13602           | -39.79      | -13         | 26.79       | Pass    | 8001        |



# 10.9 LTE Spurious Emission at Antenna Terminals\_Part22-24-27(NTNV)(Subtest:9, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

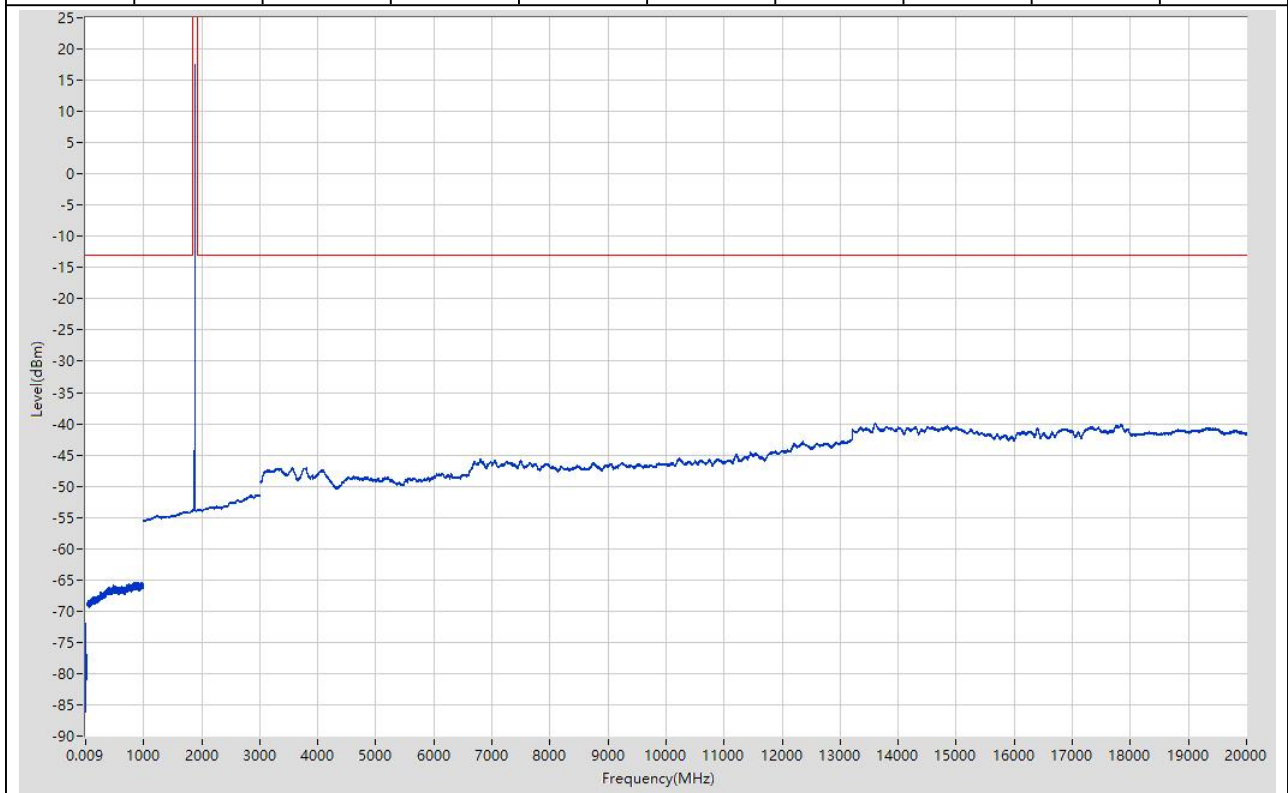
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -72.34      | -13         | 59.34       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.17            | -73.04      | -13         | 60.04       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 837             | -65.32      | -13         | 52.32       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -53.9       | -13         | 40.9        | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1878.6          | 17.45       | 60          | 42.55       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2996            | -51.42      | -13         | 38.42       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11993           | -44.34      | -13         | 31.34       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13606           | -39.82      | -13         | 26.82       | Pass    | 8001        |



## 10.10 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:10, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

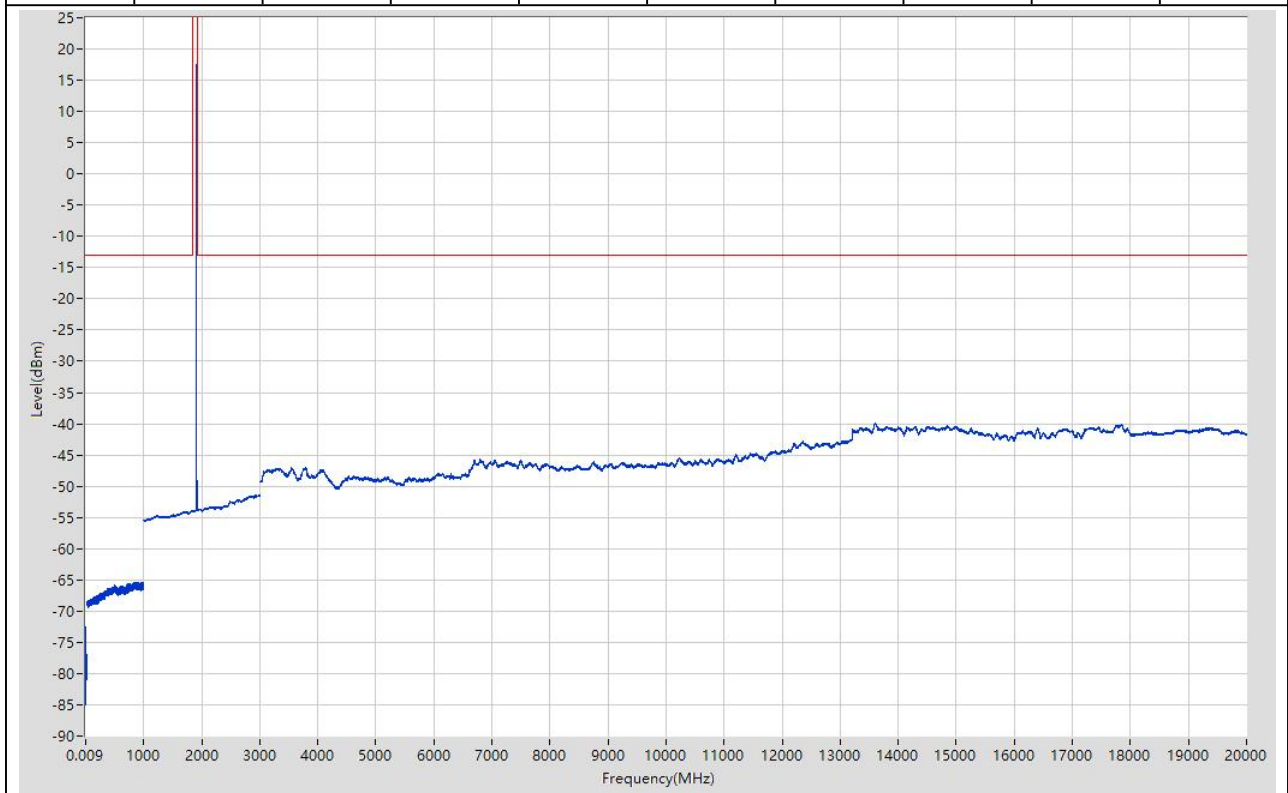
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -72.9       | -13         | 59.9        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.18            | -71.87      | -13         | 58.87       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 956.871         | -65.35      | -13         | 52.35       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1838            | -53.91      | -13         | 40.91       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1878.6          | 17.52       | 60          | 42.48       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2991            | -51.43      | -13         | 38.43       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.3       | -13         | 31.3        | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13606           | -39.8       | -13         | 26.8        | Pass    | 8001        |



### 10.11 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:11, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

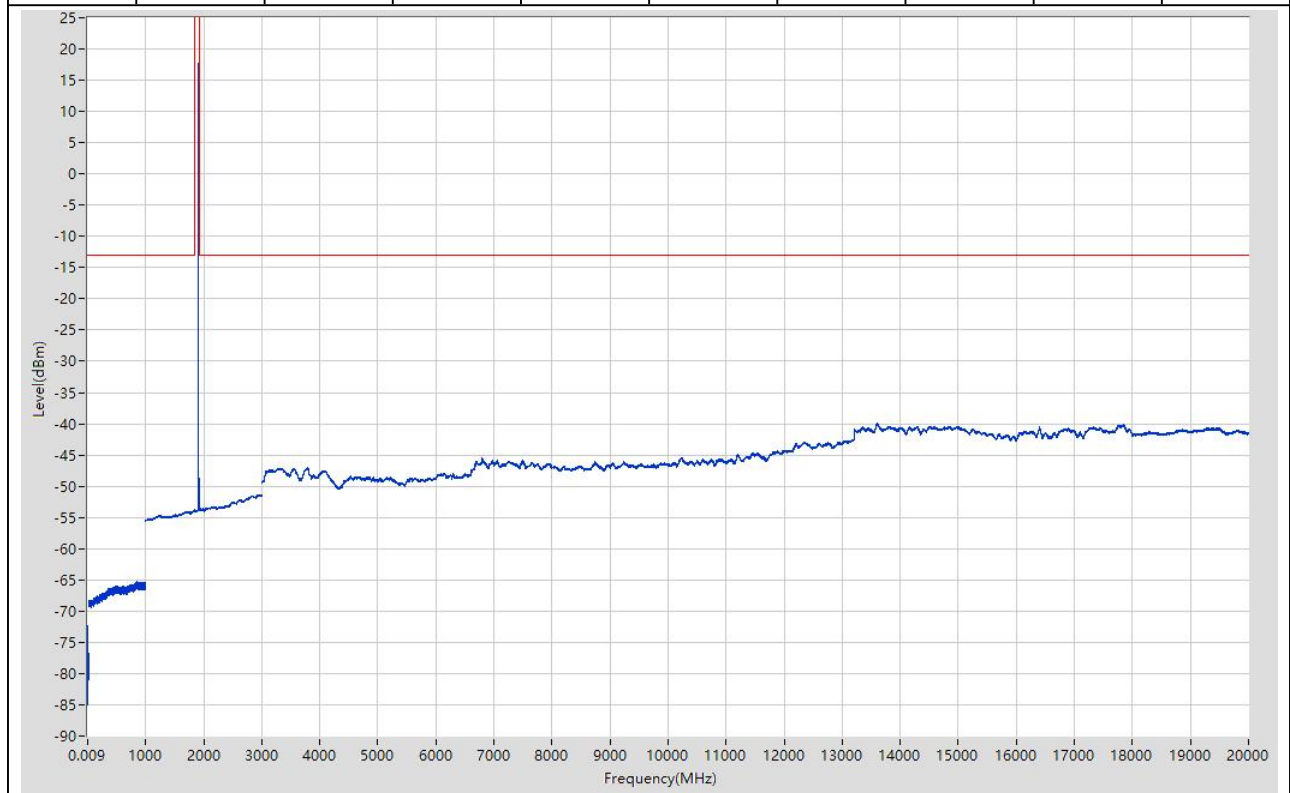
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -72.6       | -13         | 59.6        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.19            | -72.6       | -13         | 59.6        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 842.6           | -65.38      | -13         | 52.38       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1837            | -53.91      | -13         | 40.91       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1907.2          | 17.51       | 60          | 42.49       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2999            | -51.4       | -13         | 38.4        | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.26      | -13         | 31.26       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.88      | -13         | 26.88       | Pass    | 8001        |



## 10.12 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:12, Channel:19185, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

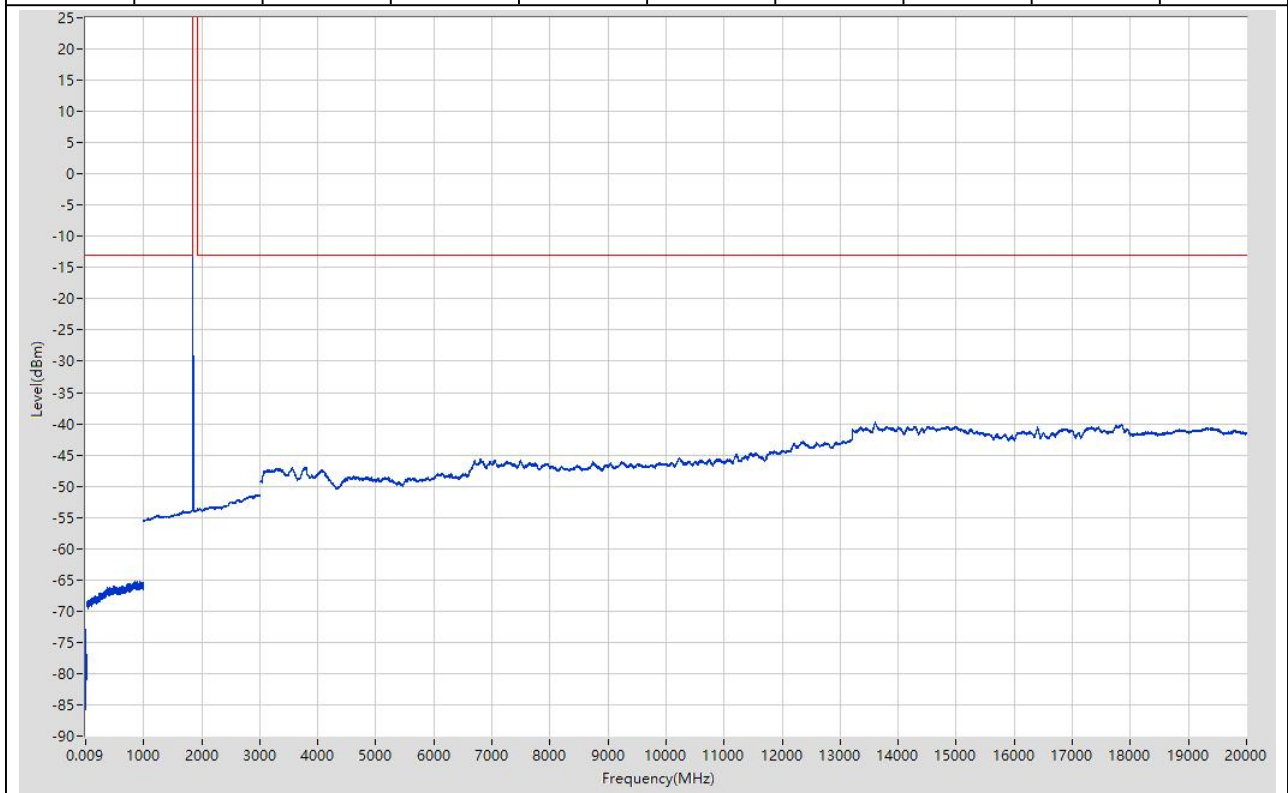
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.014           | -73.07      | -13         | 60.07       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.18            | -72.4       | -13         | 59.4        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 845.9           | -65.23      | -13         | 52.23       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1836            | -53.9       | -13         | 40.9        | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1907.2          | 17.64       | 60          | 42.36       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2990            | -51.37      | -13         | 38.37       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11992           | -44.25      | -13         | 31.25       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.84      | -13         | 26.84       | Pass    | 8001        |



### 10.13 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:13, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

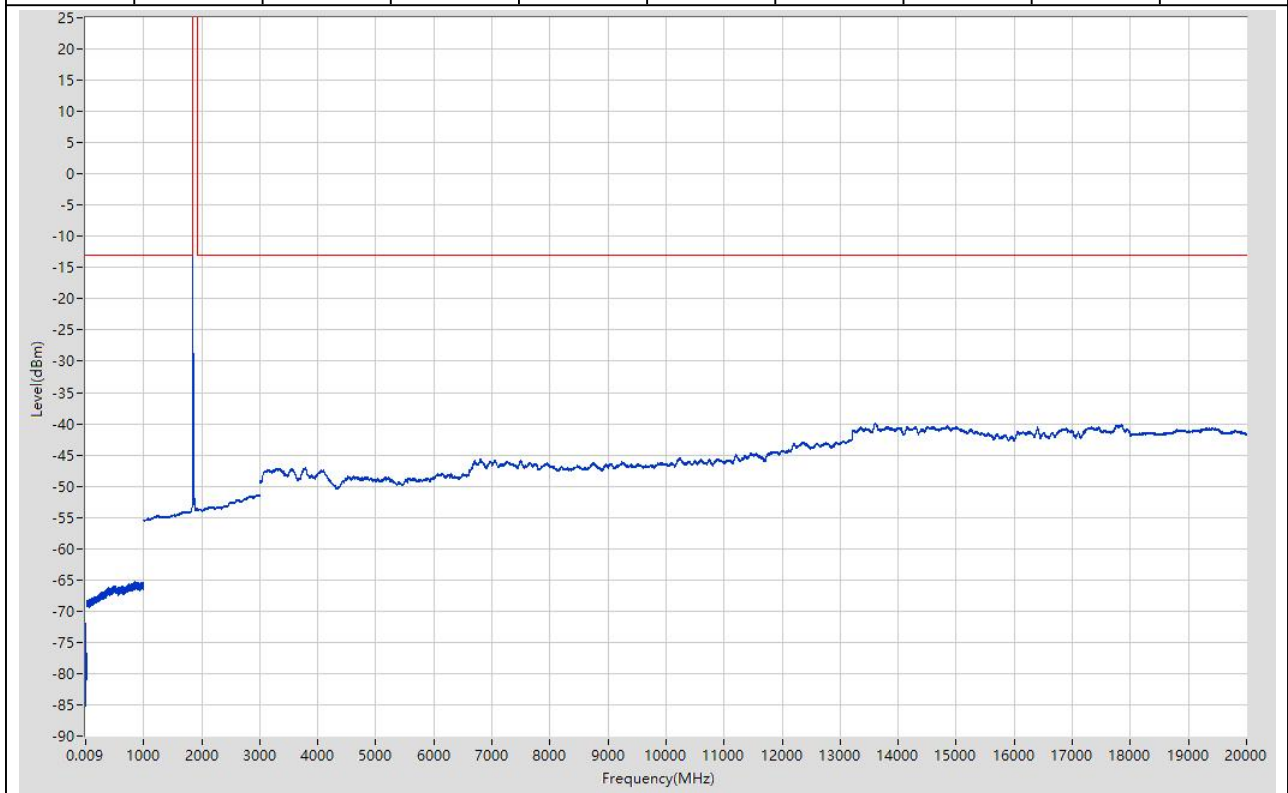
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.014           | -73.14      | -13         | 60.14       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.31            | -72.95      | -13         | 59.95       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 934.657         | -65.23      | -13         | 52.23       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.59      | -13         | 40.59       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.2          | 17.35       | 60          | 42.65       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 3000            | -51.4       | -13         | 38.4        | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.21      | -13         | 31.21       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13602           | -39.71      | -13         | 26.71       | Pass    | 8001        |



# 10.14 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:14, Channel:18625, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

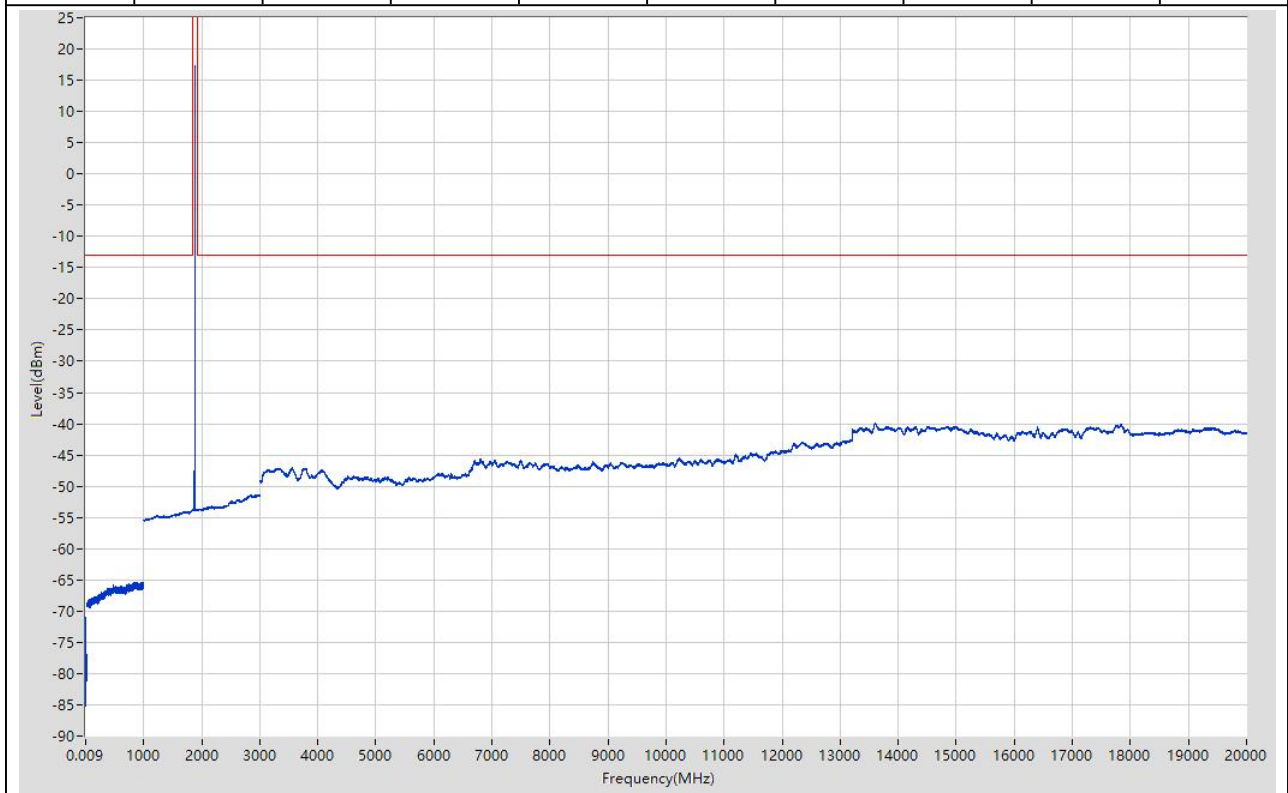
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -72.58      | -13         | 59.58       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -72.03      | -13         | 59.03       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 845.9           | -65.29      | -13         | 52.29       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -49.23      | -13         | 36.23       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.2          | 17.46       | 60          | 42.54       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2998            | -51.4       | -13         | 38.4        | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11999           | -44.24      | -13         | 31.24       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.81      | -13         | 26.81       | Pass    | 8001        |



### 10.15 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:15, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

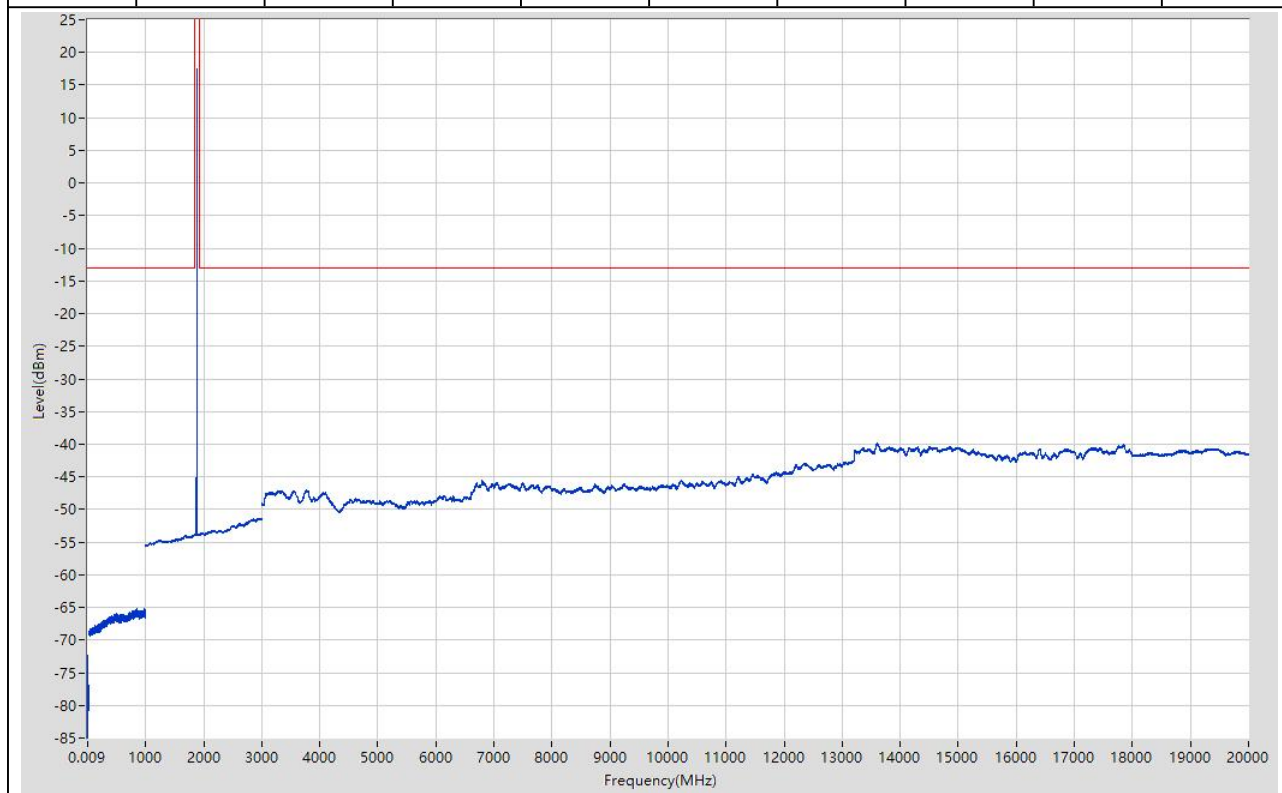
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -71.06      | -13         | 58.06       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.19            | -72.37      | -13         | 59.37       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 870.714         | -65.36      | -13         | 52.36       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1838            | -53.89      | -13         | 40.89       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1877.8          | 17.32       | 60          | 42.68       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2999            | -51.36      | -13         | 38.36       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11999           | -44.22      | -13         | 31.22       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13602           | -39.83      | -13         | 26.83       | Pass    | 8001        |



## 10.16 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:16, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

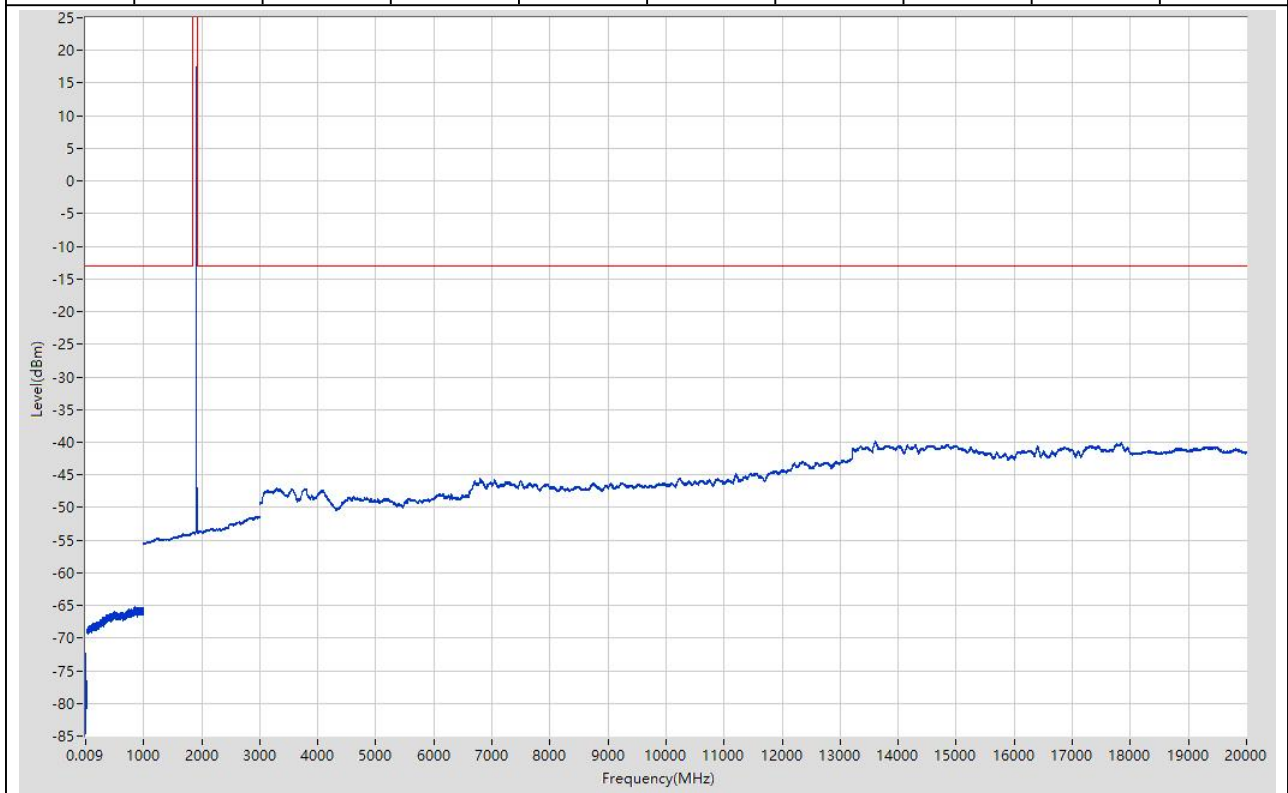
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.01            | -72.27      | -13         | 59.27       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.2             | -72.61      | -13         | 59.61       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 839             | -65.21      | -13         | 52.21       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1815            | -53.89      | -13         | 40.89       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1877.8          | 17.5        | 60          | 42.5        | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2988            | -51.36      | -13         | 38.36       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11999           | -44.26      | -13         | 31.26       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.79      | -13         | 26.79       | Pass    | 8001        |



### 10.17 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:17, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

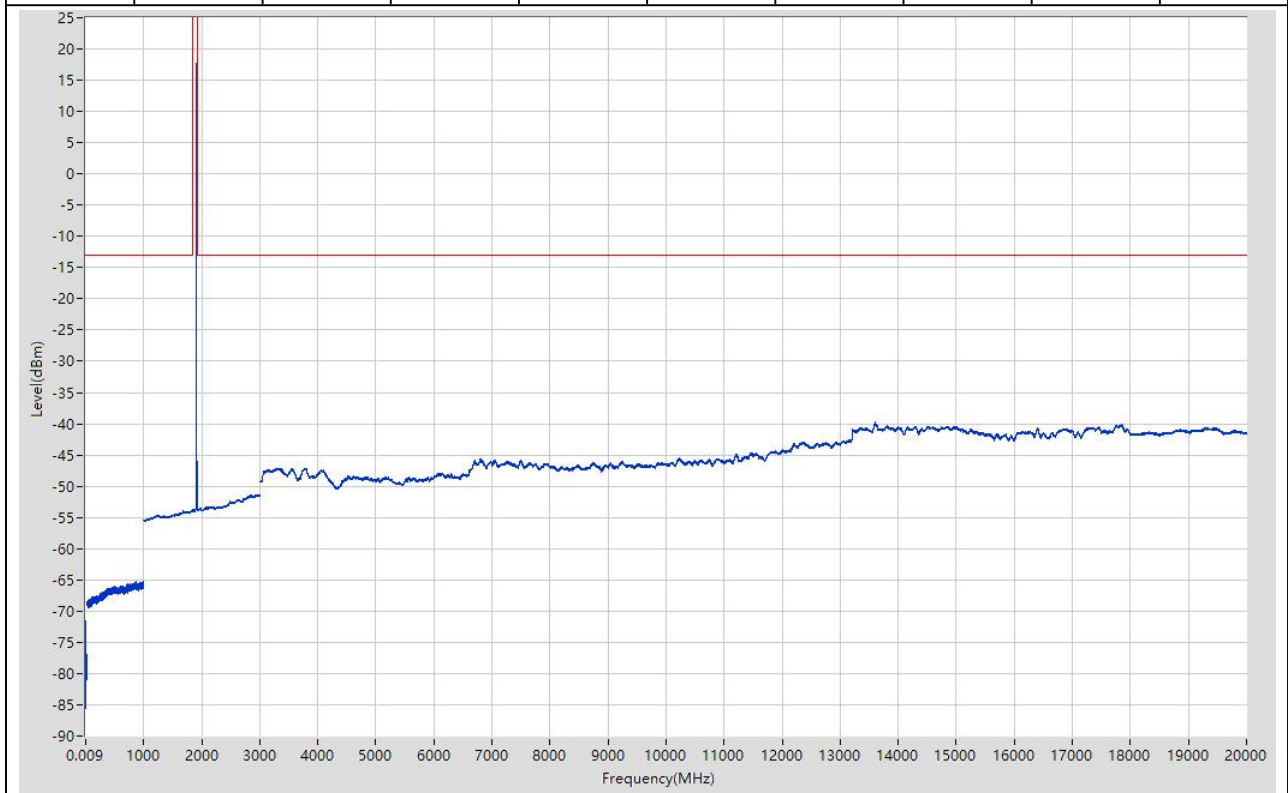
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -72.75      | -13         | 59.75       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.22            | -72.37      | -13         | 59.37       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 847.1           | -65.23      | -13         | 52.23       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.91      | -13         | 40.91       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1905.2          | 17.43       | 60          | 42.57       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2981            | -51.38      | -13         | 38.38       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11999           | -44.24      | -13         | 31.24       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.79      | -13         | 26.79       | Pass    | 8001        |



## 10.18 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:18, Channel:19175, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

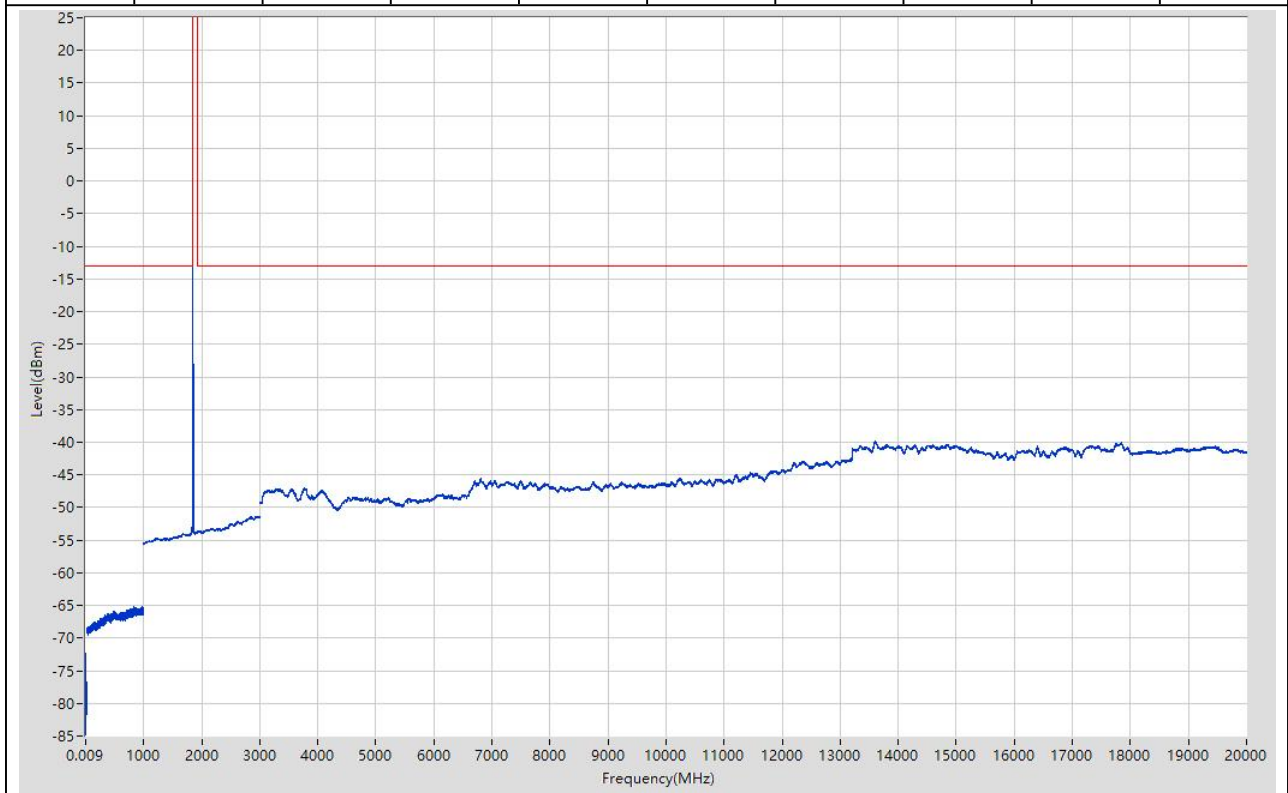
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.015           | -72.88      | -13         | 59.88       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -71.49      | -13         | 58.49       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 867.812         | -65.22      | -13         | 52.22       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -53.93      | -13         | 40.93       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1905.2          | 17.7        | 60          | 42.3        | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2998            | -51.39      | -13         | 38.39       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 12000           | -44.28      | -13         | 31.28       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13604           | -39.77      | -13         | 26.77       | Pass    | 8001        |



### 10.19 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:19, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

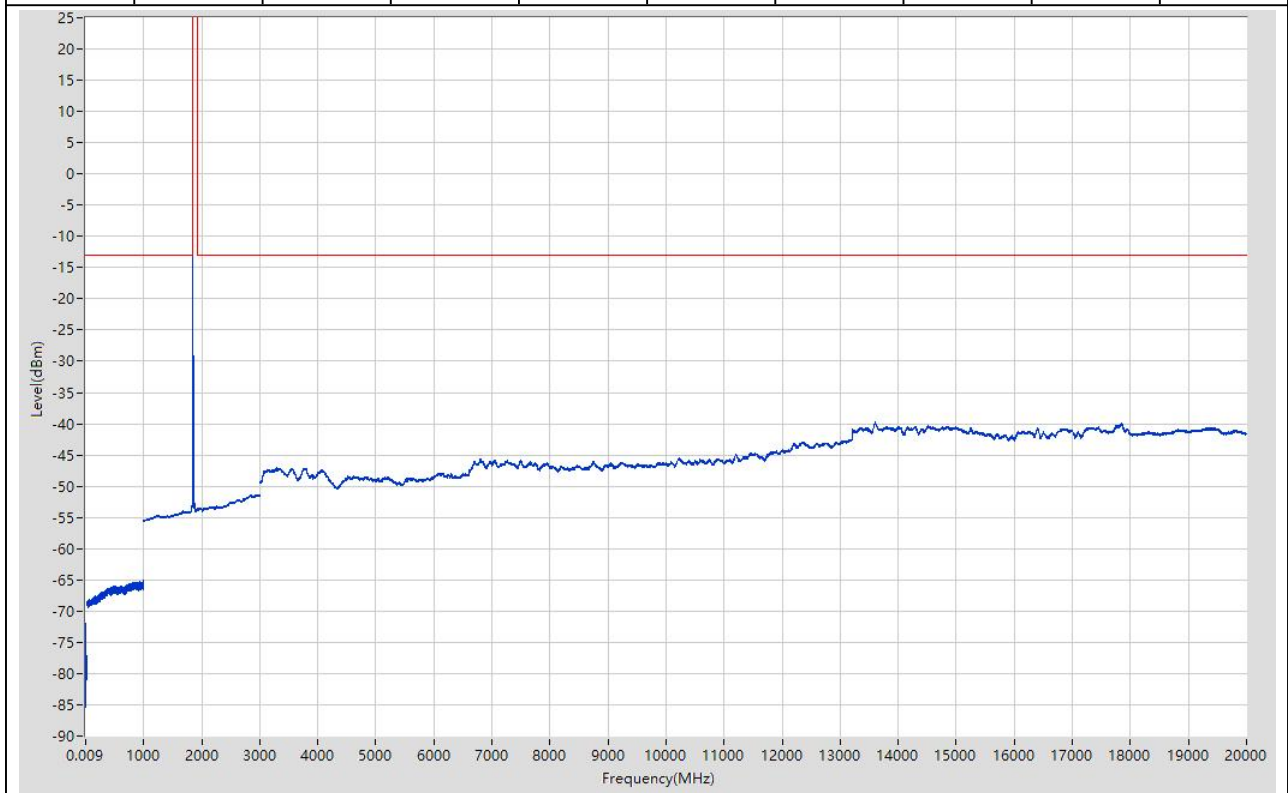
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -72.28      | -13         | 59.28       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.21            | -72.62      | -13         | 59.62       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 832.4           | -65.16      | -13         | 52.16       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1833            | -52.32      | -13         | 39.32       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.4          | 17.38       | 60          | 42.62       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2993            | -51.36      | -13         | 38.36       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.24      | -13         | 31.24       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13597           | -39.79      | -13         | 26.79       | Pass    | 8001        |



## 10.20 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:20, Channel:18650, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

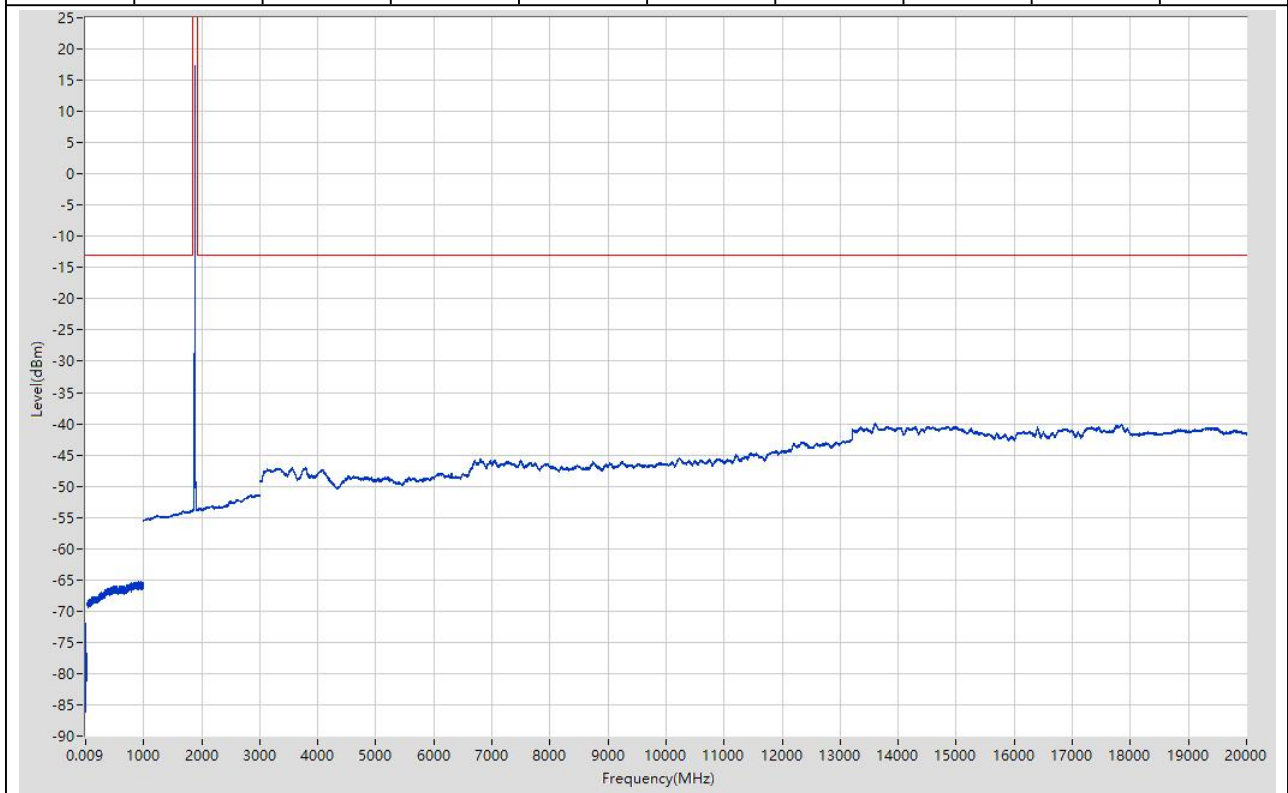
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.074           | -71.97      | -13         | 58.97       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.18            | -72.48      | -13         | 59.48       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 999.199         | -65.09      | -13         | 52.09       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -48.66      | -13         | 35.66       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.4          | 17.6        | 60          | 42.4        | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2993            | -51.39      | -13         | 38.39       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11998           | -44.21      | -13         | 31.21       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.78      | -13         | 26.78       | Pass    | 8001        |



## 10.21 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:21, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

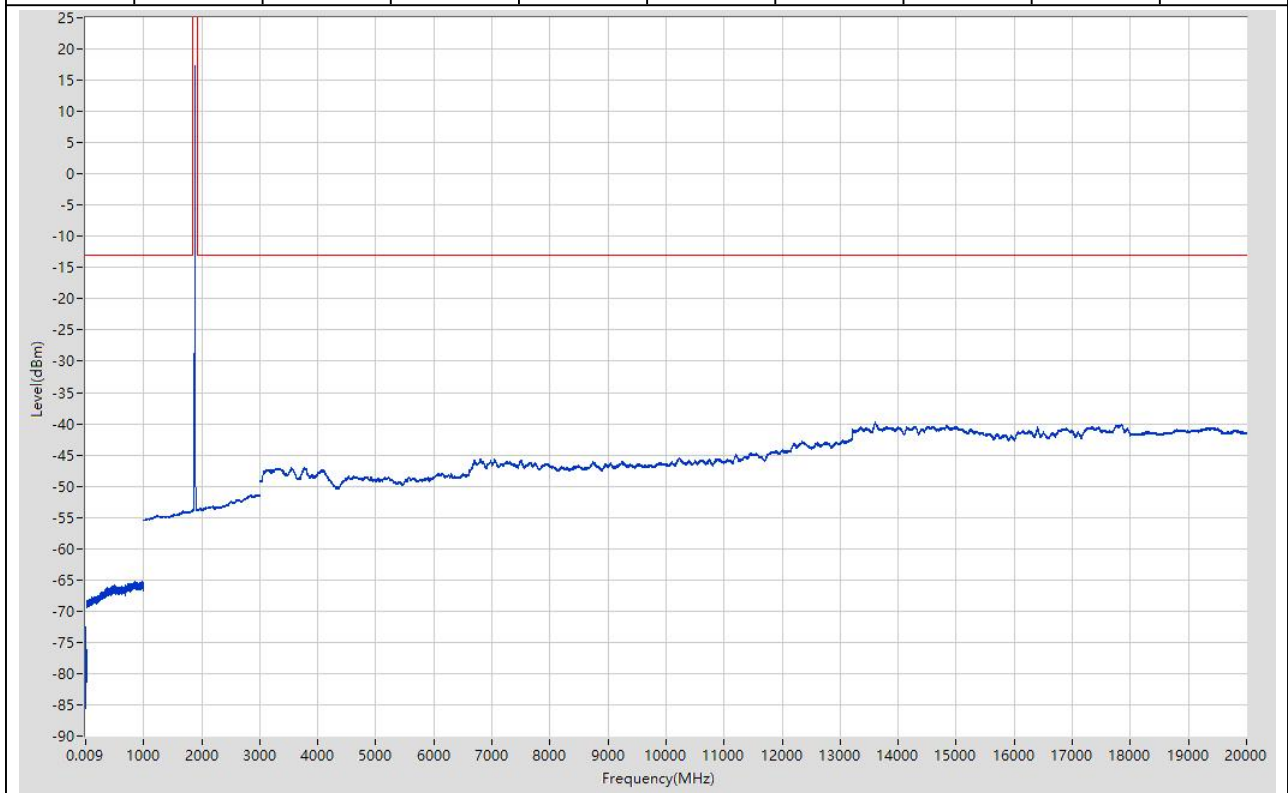
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -72.56      | -13         | 59.56       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.17            | -71.98      | -13         | 58.98       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 961.775         | -65.25      | -13         | 52.25       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.83      | -13         | 40.83       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1875.4          | 17.32       | 60          | 42.68       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2936            | -51.37      | -13         | 38.37       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11999           | -44.23      | -13         | 31.23       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13604           | -39.81      | -13         | 26.81       | Pass    | 8001        |



## 10.22 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:22, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

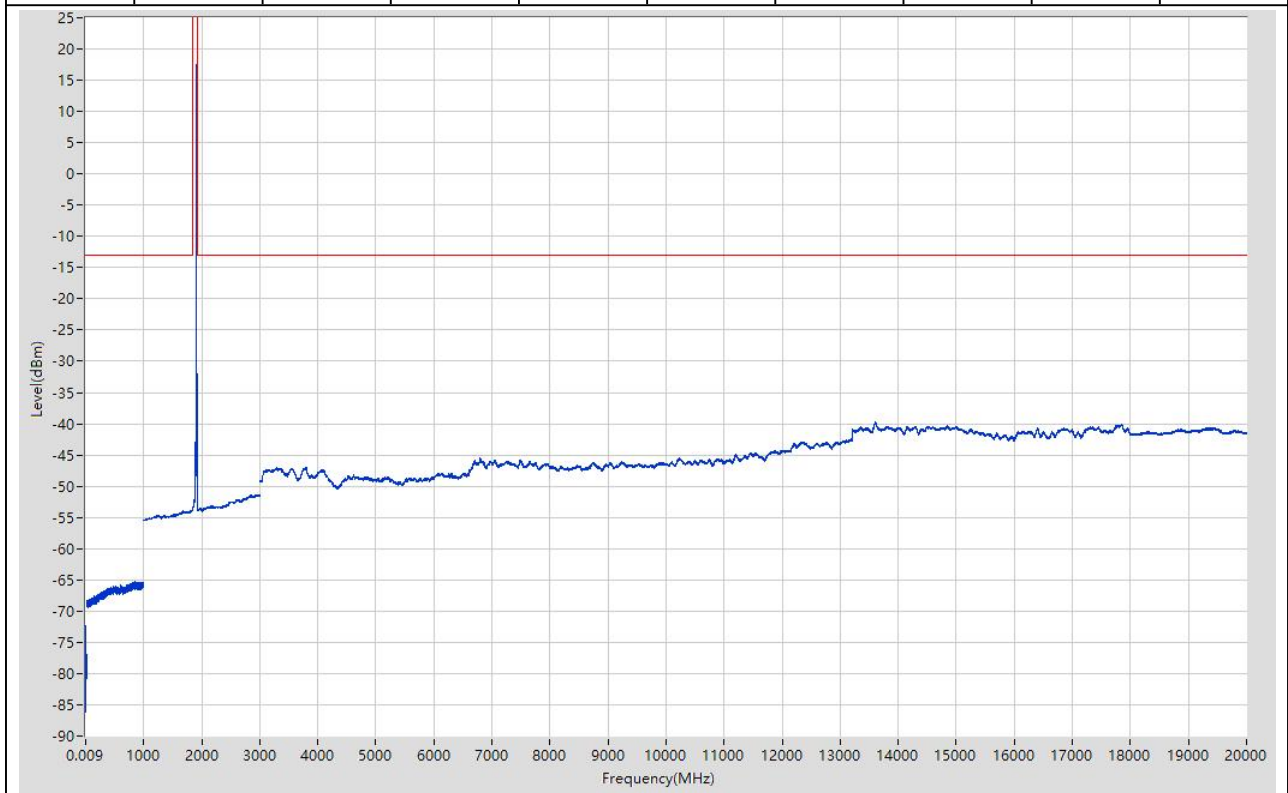
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -73.23      | -13         | 60.23       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -72.58      | -13         | 59.58       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 848.9           | -65.31      | -13         | 52.31       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1835            | -53.89      | -13         | 40.89       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1875.4          | 17.37       | 60          | 42.63       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2981            | -51.34      | -13         | 38.34       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11996           | -44.24      | -13         | 31.24       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.79      | -13         | 26.79       | Pass    | 8001        |



### 10.23 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:23, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

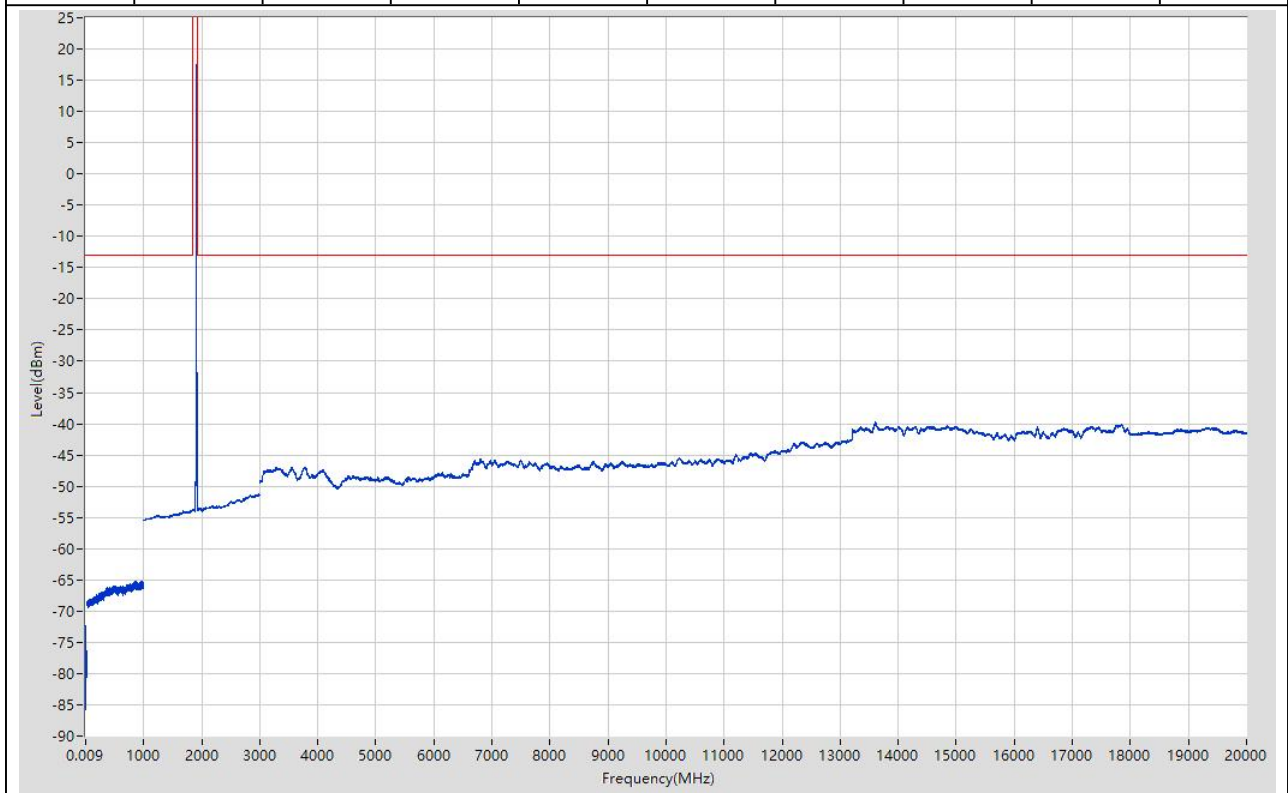
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -72.26      | -13         | 59.26       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.19            | -72.5       | -13         | 59.5        | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 841.9           | -65.33      | -13         | 52.33       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.57      | -13         | 40.57       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1900.4          | 17.44       | 60          | 42.56       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2992            | -51.35      | -13         | 38.35       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11867           | -44.29      | -13         | 31.29       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13597           | -39.79      | -13         | 26.79       | Pass    | 8001        |



## 10.24 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:24, Channel:19150, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

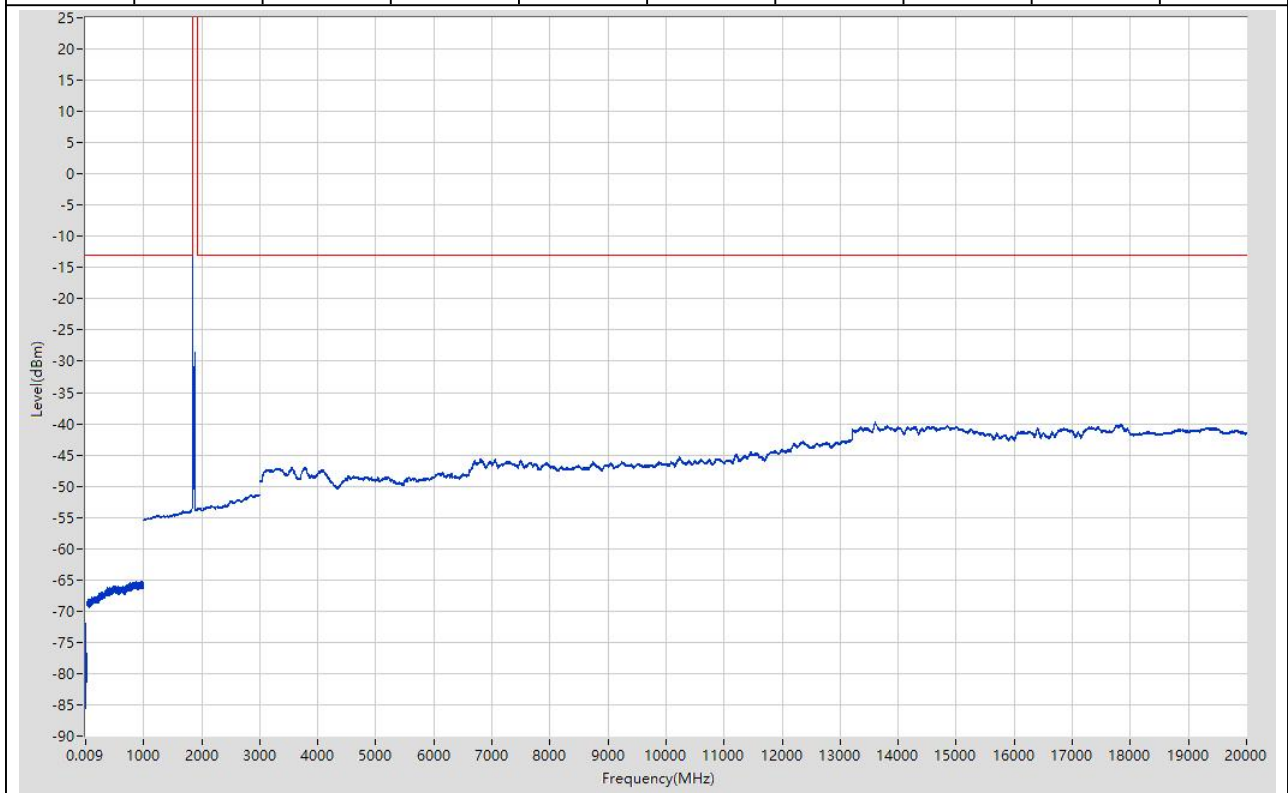
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.014           | -72.27      | -13         | 59.27       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -72.89      | -13         | 59.89       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 982.889         | -65.18      | -13         | 52.18       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.84      | -13         | 40.84       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1900.4          | 17.58       | 60          | 42.42       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2980            | -51.31      | -13         | 38.31       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11994           | -44.22      | -13         | 31.22       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.74      | -13         | 26.74       | Pass    | 8001        |



## 10.25 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:25, Channel:18675, Bandwidth:15,  
Modulation:QPSK, RB Number: 1, RB Position:LOW)

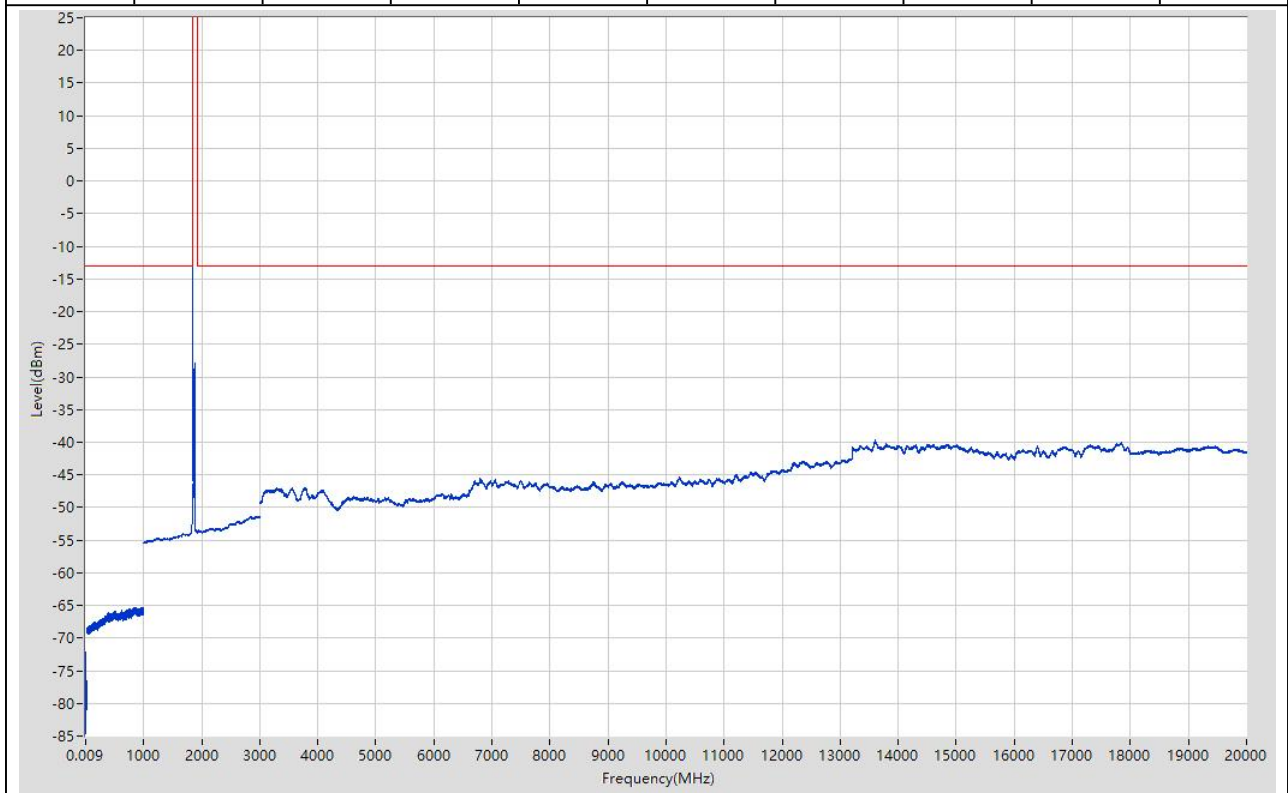
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -73.25      | -13         | 60.25       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -71.87      | -13         | 58.87       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 978.286         | -65.27      | -13         | 52.27       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1838            | -48.69      | -13         | 35.69       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.8          | 17.35       | 60          | 42.65       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2996            | -51.34      | -13         | 38.34       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11996           | -44.14      | -13         | 31.14       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.72      | -13         | 26.72       | Pass    | 8001        |



## 10.26 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:26, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

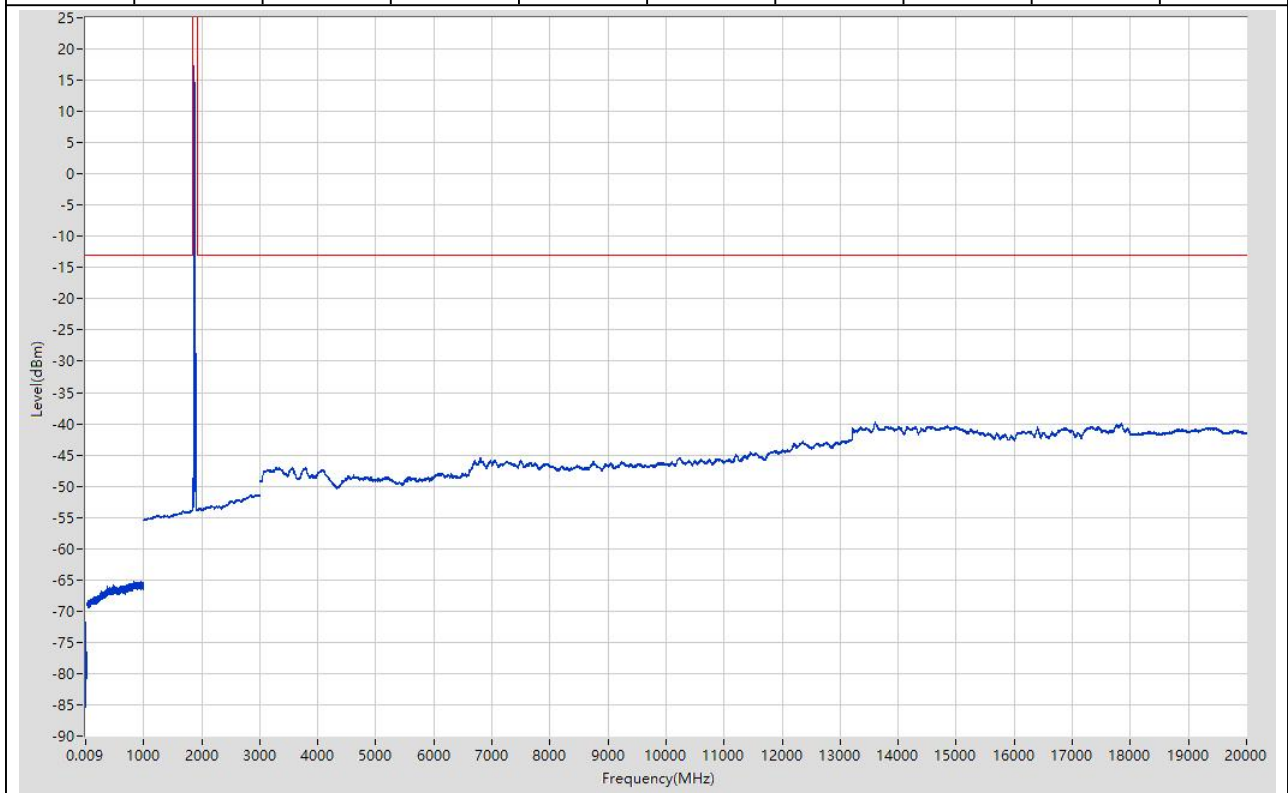
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -72.08      | -13         | 59.08       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -72.54      | -13         | 59.54       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 870.314         | -65.35      | -13         | 52.35       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -46.41      | -13         | 33.41       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1850.8          | 17.56       | 60          | 42.44       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2983            | -51.35      | -13         | 38.35       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 12000           | -44.25      | -13         | 31.25       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.68      | -13         | 26.68       | Pass    | 8001        |



## 10.27 LTE Spurious Emission at Antenna

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

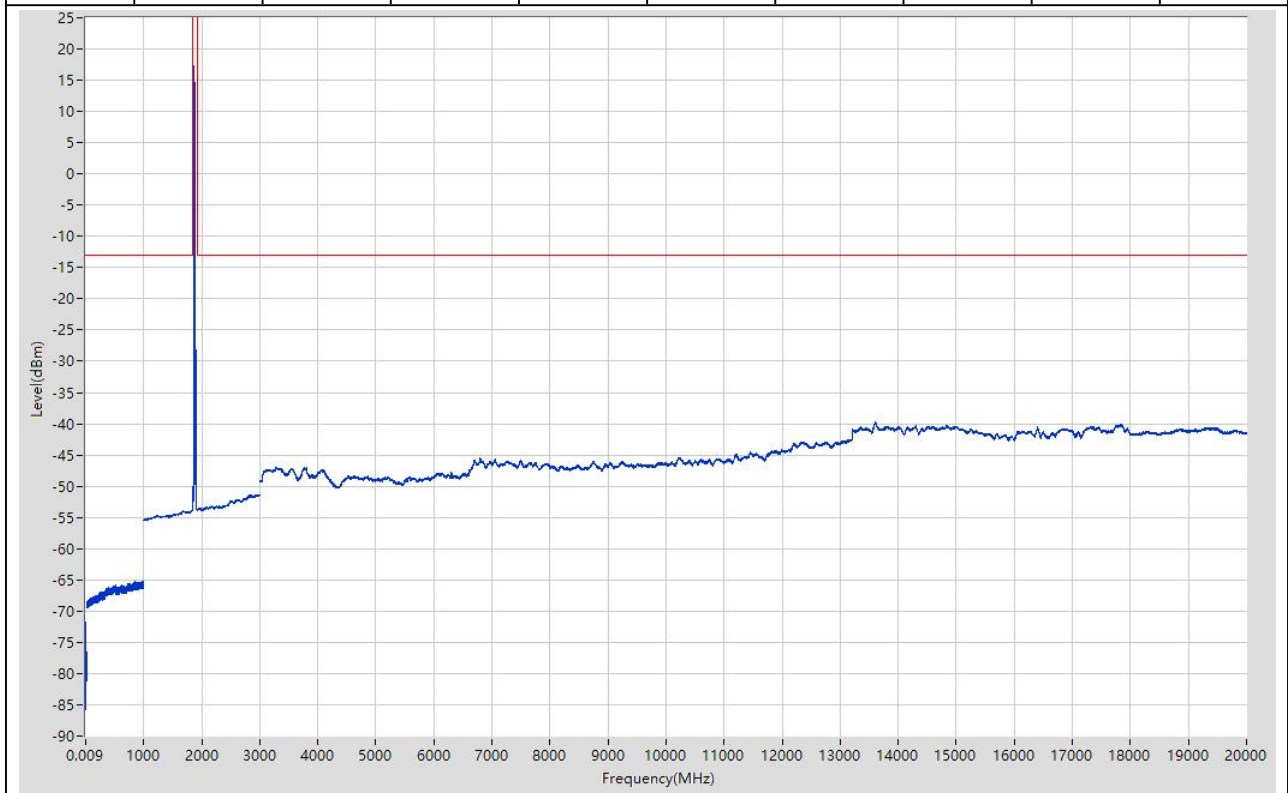
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.012           | -72.43      | -13         | 59.43       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.18            | -71.73      | -13         | 58.73       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 943.563         | -65.19      | -13         | 52.19       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -53.78      | -13         | 40.78       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1873.2          | 17.32       | 60          | 42.68       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2994            | -51.33      | -13         | 38.33       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11994           | -44.24      | -13         | 31.24       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.74      | -13         | 26.74       | Pass    | 8001        |



## 10.28 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:28, Channel:18900, Bandwidth:15,  
Modulation:Q16, RB Number: 1, RB Position:LOW)

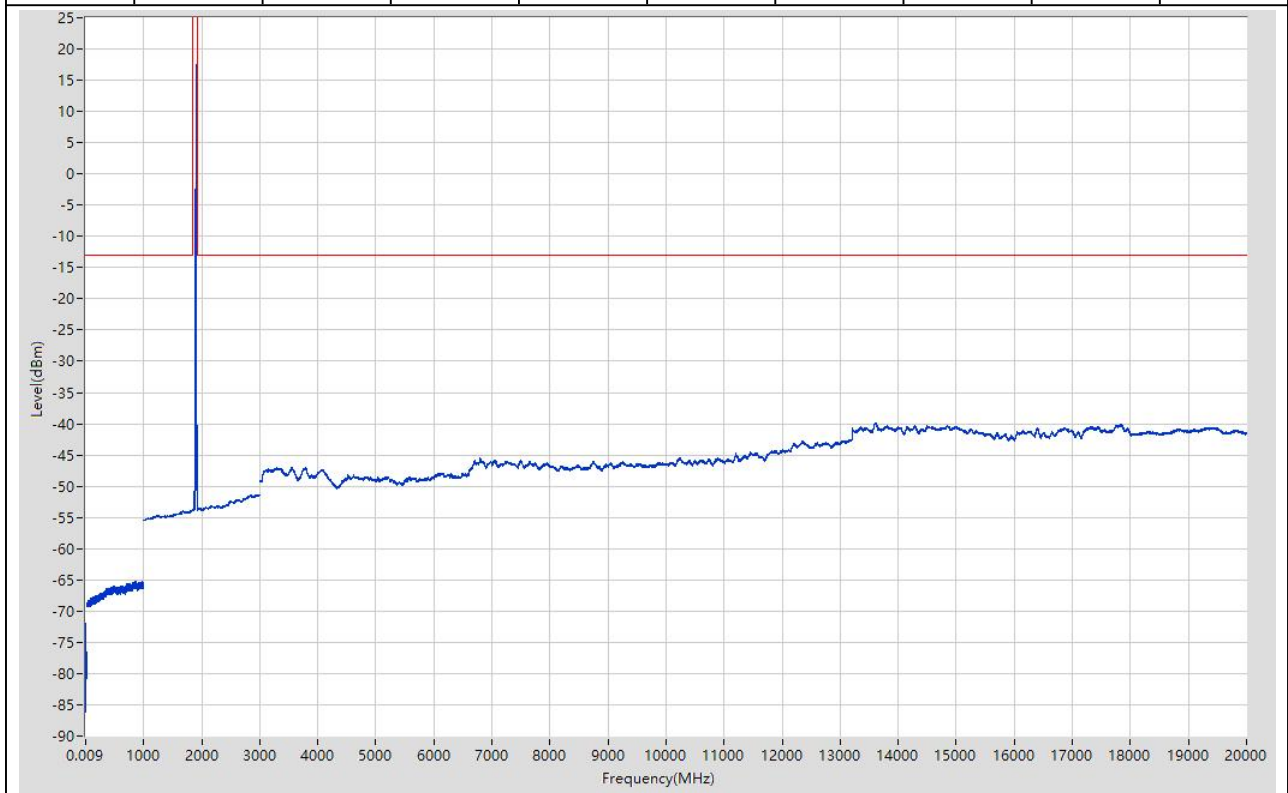
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.011           | -71.74      | -13         | 58.74       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.16            | -72.46      | -13         | 59.46       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 850.001         | -65.27      | -13         | 52.27       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1837            | -53.49      | -13         | 40.49       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1873.2          | 17.38       | 60          | 42.62       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2992            | -51.33      | -13         | 38.33       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.21      | -13         | 31.21       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.73      | -13         | 26.73       | Pass    | 8001        |



## 10.29 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:29, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

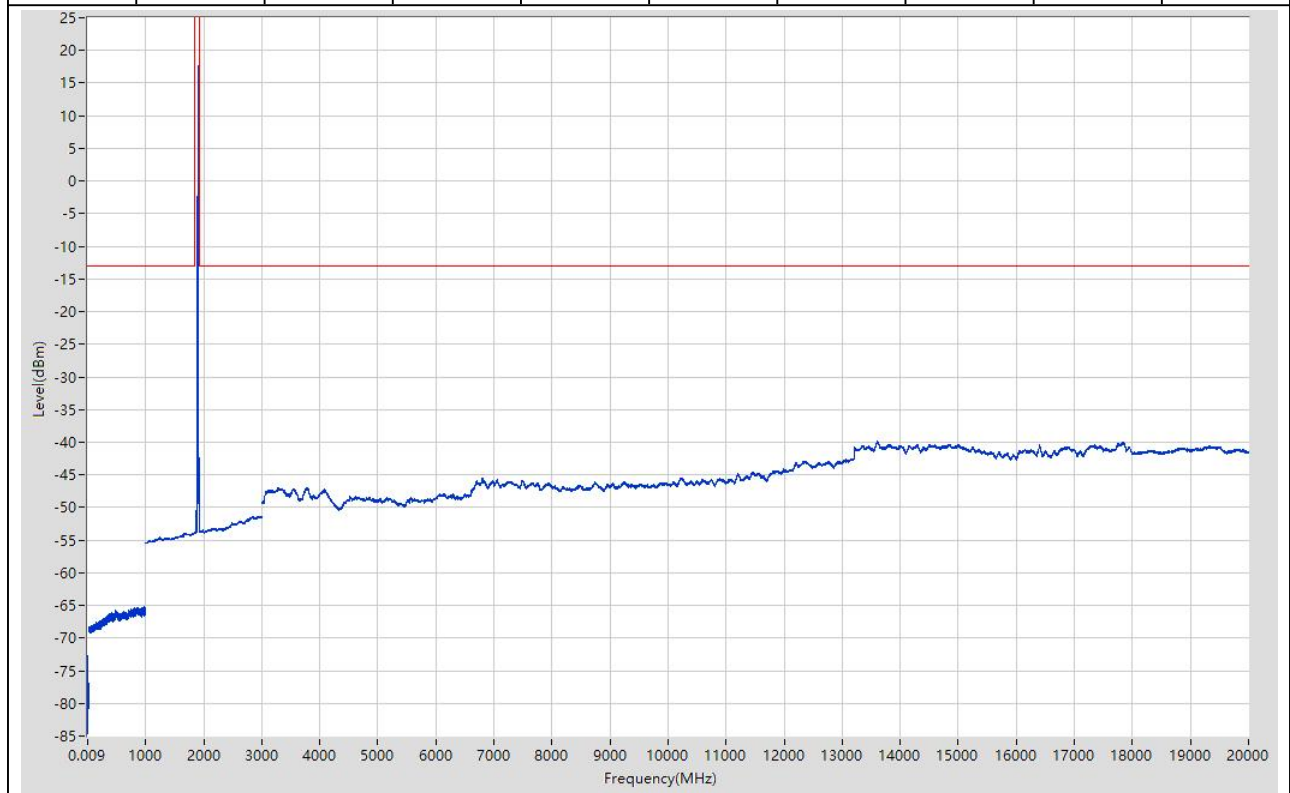
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.009           | -72.39      | -13         | 59.39       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.15            | -71.91      | -13         | 58.91       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 854.003         | -65.24      | -13         | 52.24       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1836            | -53.85      | -13         | 40.85       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1895.8          | 17.48       | 60          | 42.52       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 1922            | -40.23      | -13         | 27.23       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.23      | -13         | 31.23       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13602           | -39.84      | -13         | 26.84       | Pass    | 8001        |



### 10.30 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

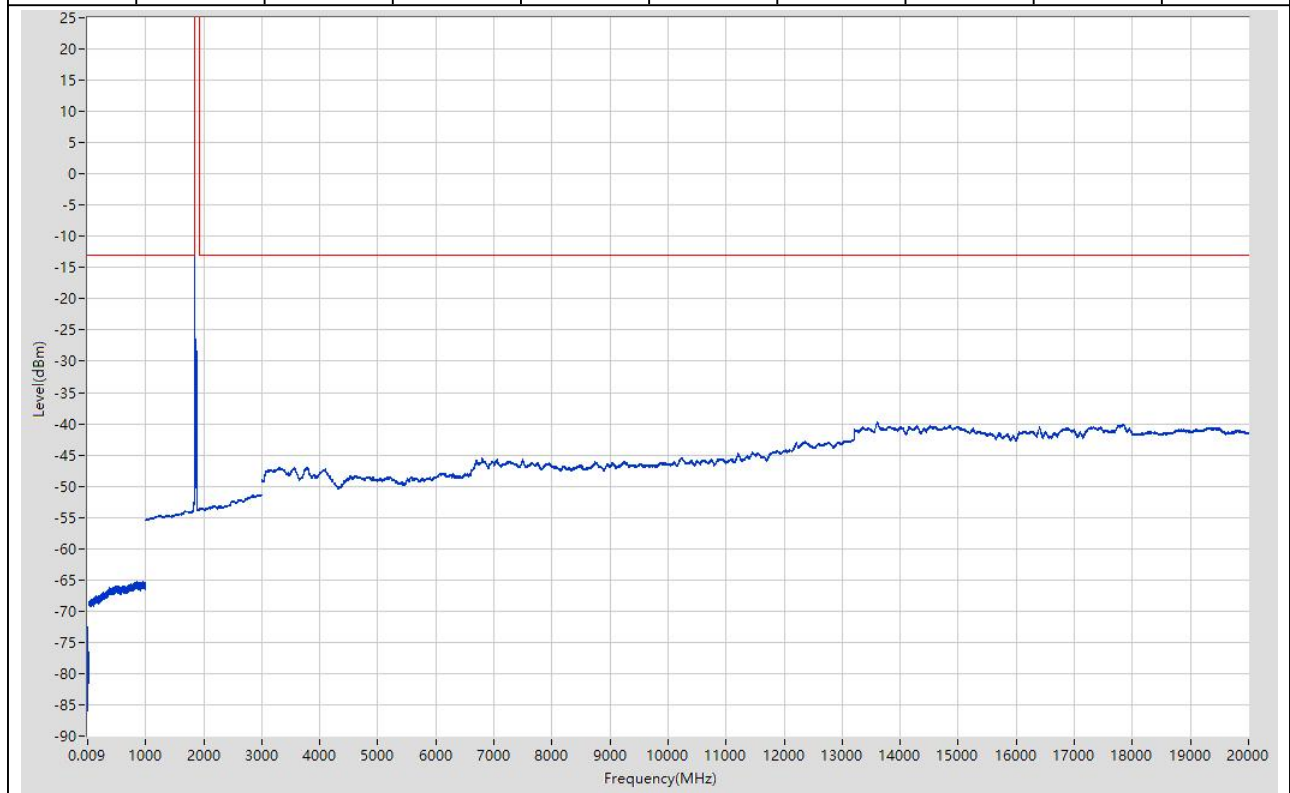
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -72.92      | -13         | 59.92       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.19            | -72.61      | -13         | 59.61       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 982.488         | -65.24      | -13         | 52.24       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -53.86      | -13         | 40.86       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1895.8          | 17.7        | 60          | 42.3        | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 1922            | -42.32      | -13         | 29.32       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11996           | -44.12      | -13         | 31.12       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13601           | -39.75      | -13         | 26.75       | Pass    | 8001        |



### 10.31 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:31, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.014           | -72.6       | -13         | 59.6        | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.3             | -72.61      | -13         | 59.61       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 950.867         | -65.27      | -13         | 52.27       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1839            | -51.47      | -13         | 38.47       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1851            | 17.24       | 60          | 42.76       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2975            | -51.34      | -13         | 38.34       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11995           | -44.22      | -13         | 31.22       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13600           | -39.74      | -13         | 26.74       | Pass    | 8001        |



### 10.32 LTE Spurious Emission at Antenna

Terminals\_Part22-24-27(NTNV)(Subtest:32, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Margin (dB) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 0.013           | -72.65      | -13         | 59.65       | Pass    | 401         |
| 0.15                  | 30                   | 0.01      | RMS      | 0.2             | -72.99      | -13         | 59.99       | Pass    | 2986        |
| 30                    | 1000                 | 0.1       | RMS      | 840.9           | -65.22      | -13         | 52.22       | Pass    | 9701        |
| 1000                  | 1840                 | 1         | RMS      | 1840            | -50.93      | -13         | 37.93       | Pass    | 841         |
| 1840                  | 1920                 | 1         | RMS      | 1851            | 17.49       | 60          | 42.51       | Pass    | 401         |
| 1920                  | 3000                 | 1         | RMS      | 2937            | -51.32      | -13         | 38.32       | Pass    | 1081        |
| 3000                  | 12000                | 1         | RMS      | 11997           | -44.23      | -13         | 31.23       | Pass    | 9002        |
| 12000                 | 20000                | 1         | RMS      | 13604           | -39.7       | -13         | 26.7        | Pass    | 8001        |

