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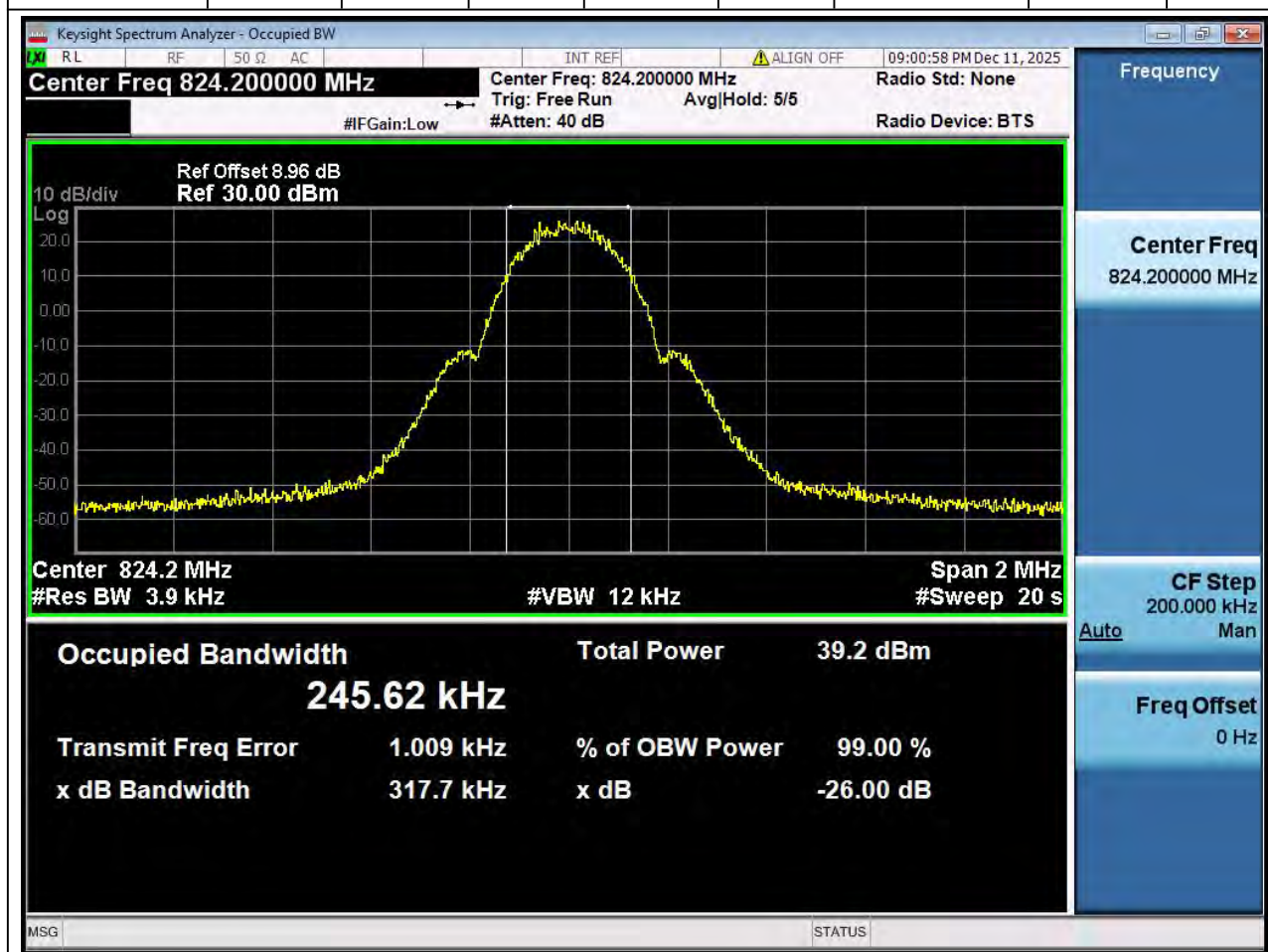
## **Annex A.3 Occupied Bandwidth**

## GPRS

### 1. GPRS\_GSM850

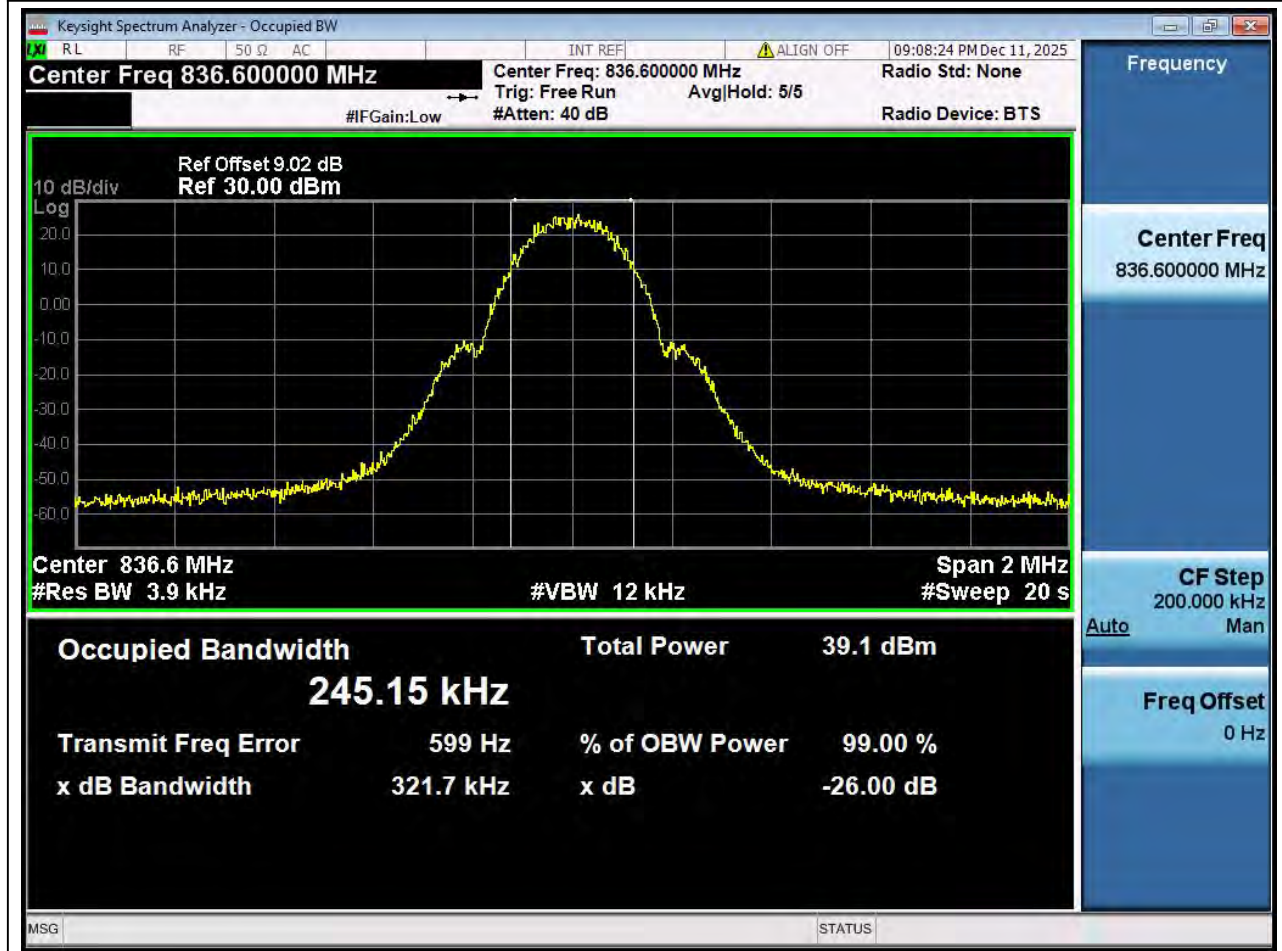
#### 1.1. GPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:128)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 824.2                  | 99            | 26            | 0.004     | Peak     | 0.246     | 0.318               | 0.3               | Pass    |



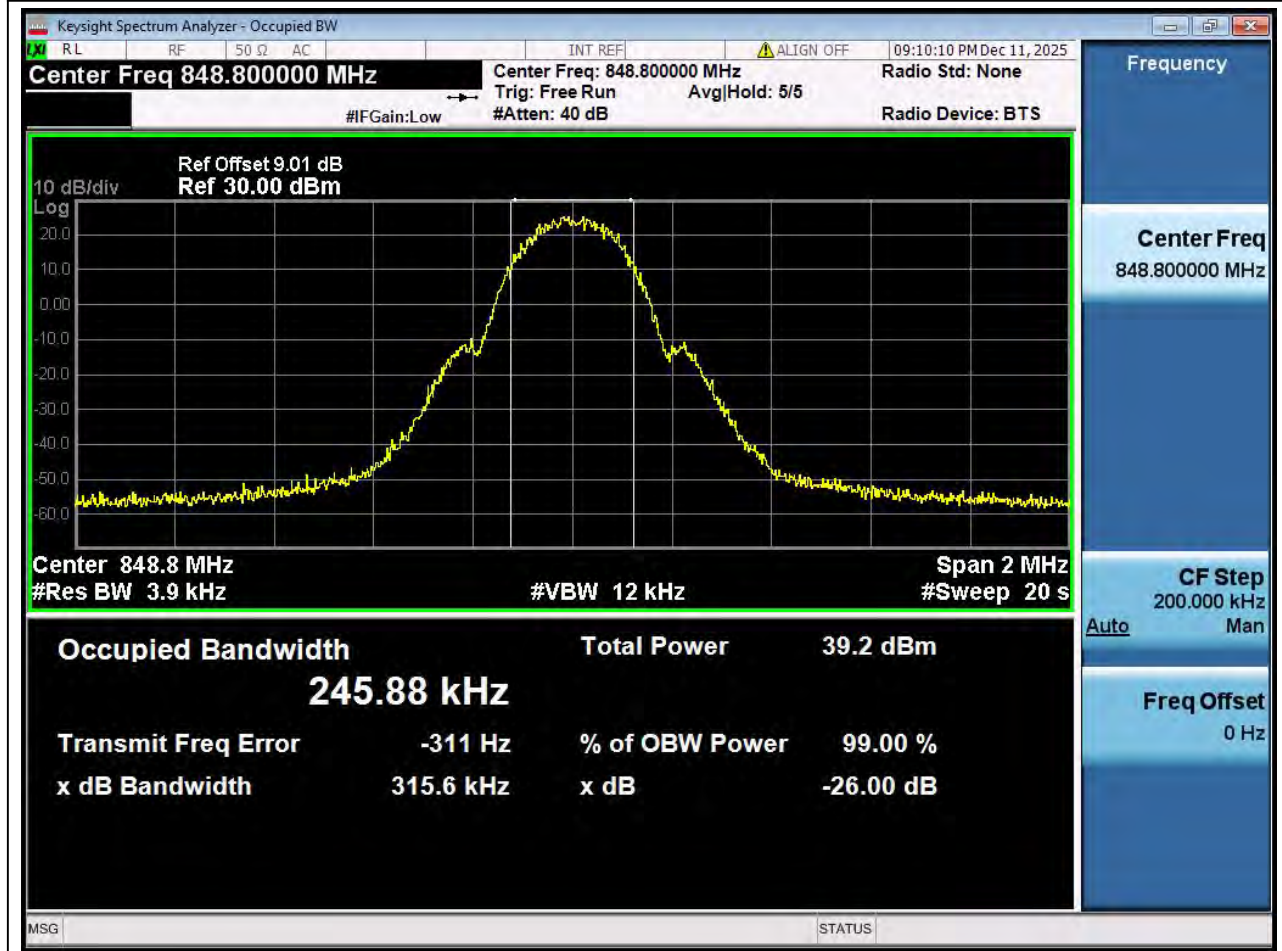
## 1.2. GPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:190)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.6                  | 99            | 26            | 0.004     | Peak     | 0.245     | 0.322               | 0.3               | Pass    |



### 1.3. GPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:251)

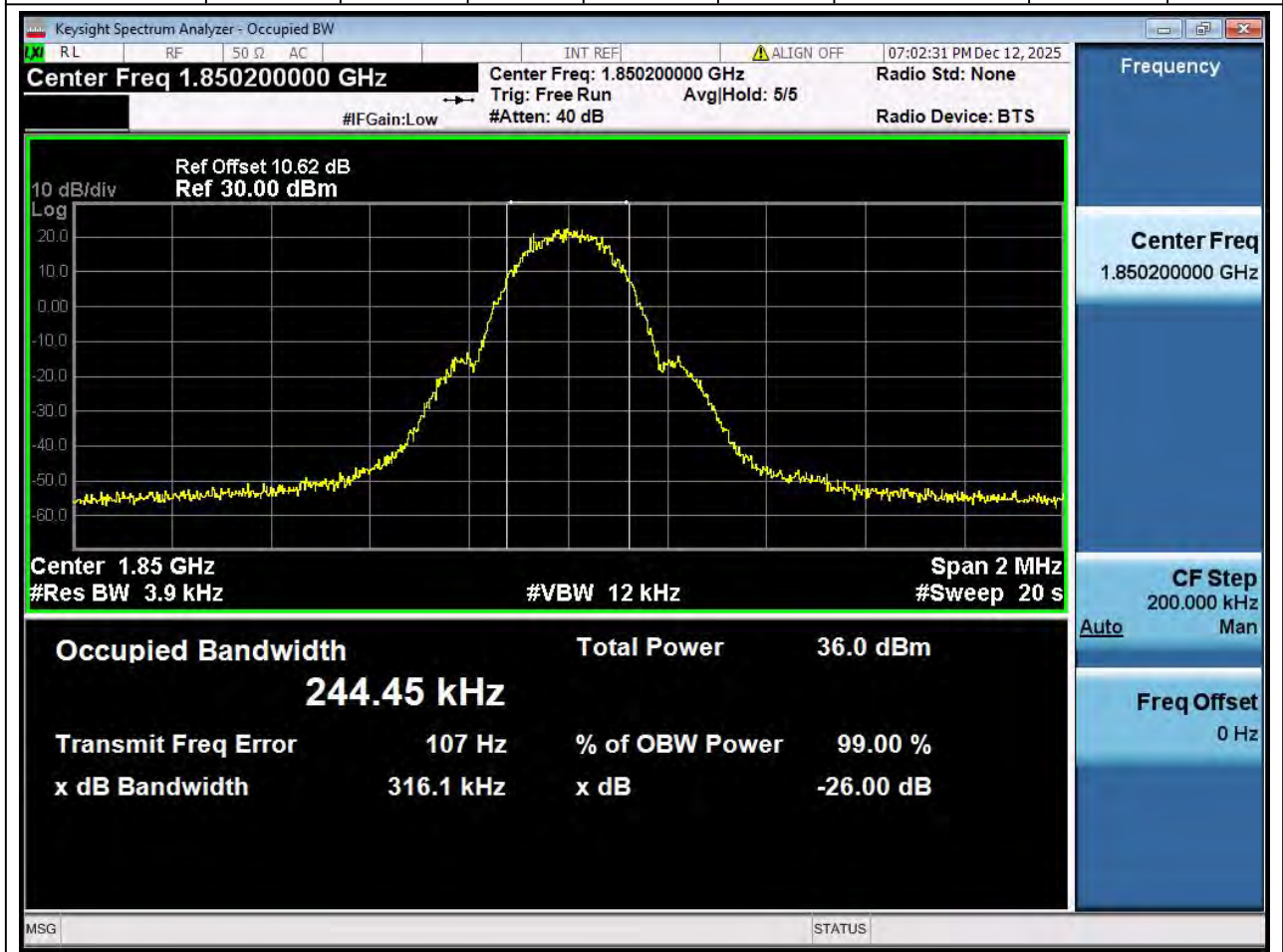
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 848.8                  | 99            | 26            | 0.004     | Peak     | 0.246     | 0.316               | 0.3               | Pass    |



## 2. GPRS\_PCS

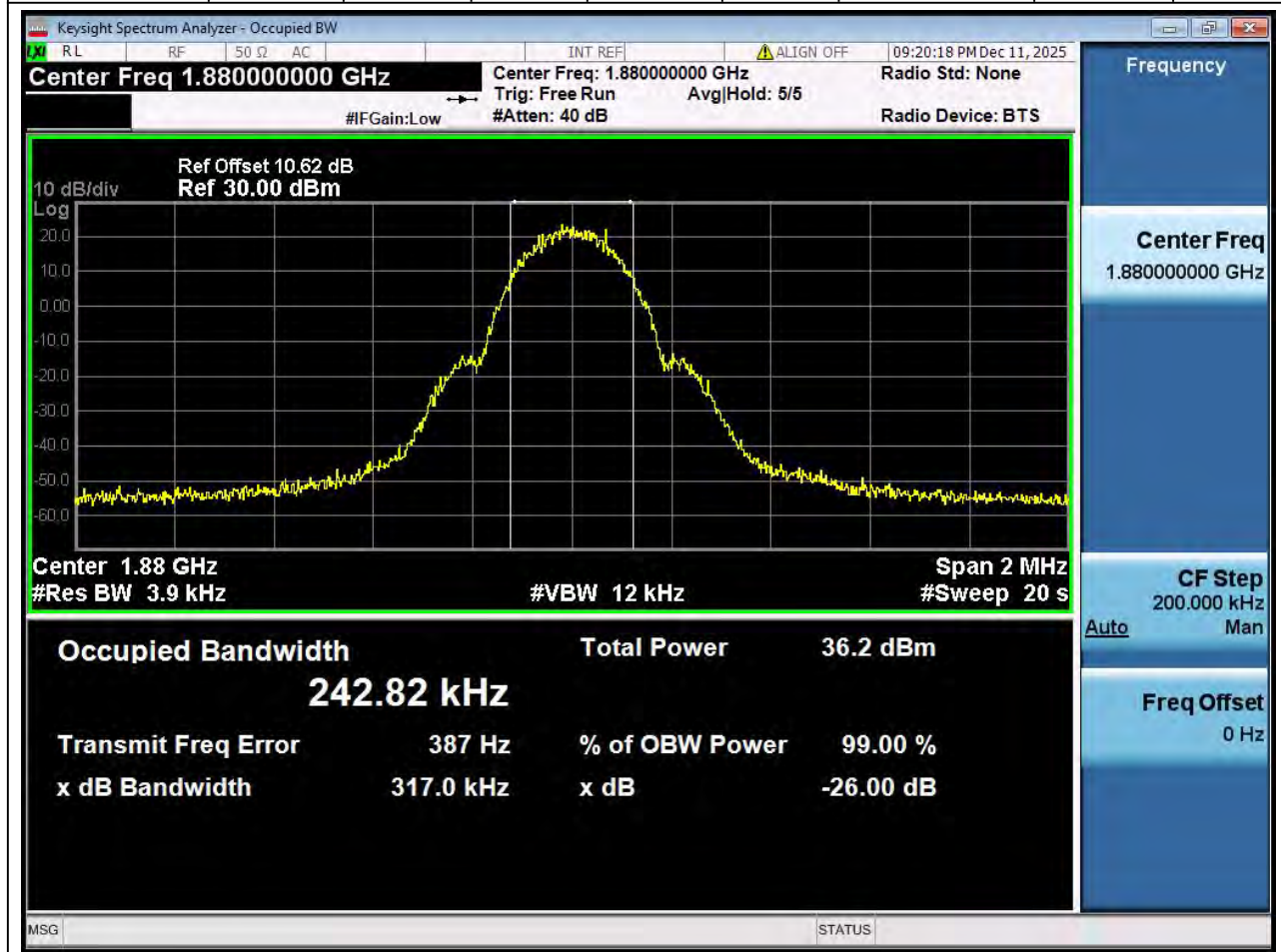
### 2.3. GPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:512)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1850.2                 | 99            | 26            | 0.004     | Peak     | 0.244     | 0.316               | 0.3               | Pass    |



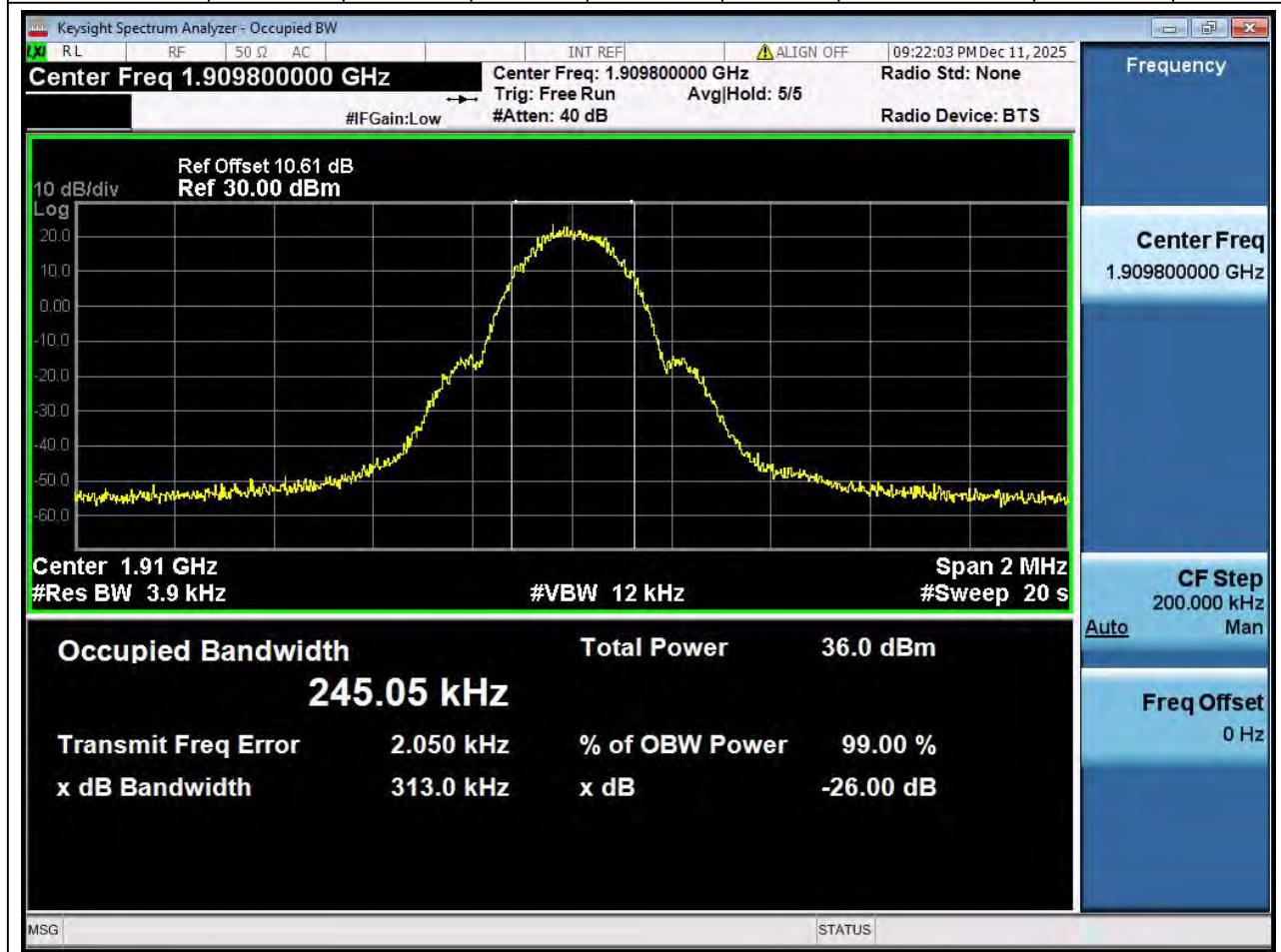
## 2.1. GPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:661)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1880                   | 99            | 26            | 0.004     | Peak     | 0.243     | 0.317               | 0.3               | Pass    |



## 2.2. GPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:810)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1909.8                 | 99            | 26            | 0.004     | Peak     | 0.245     | 0.313               | 0.3               | Pass    |

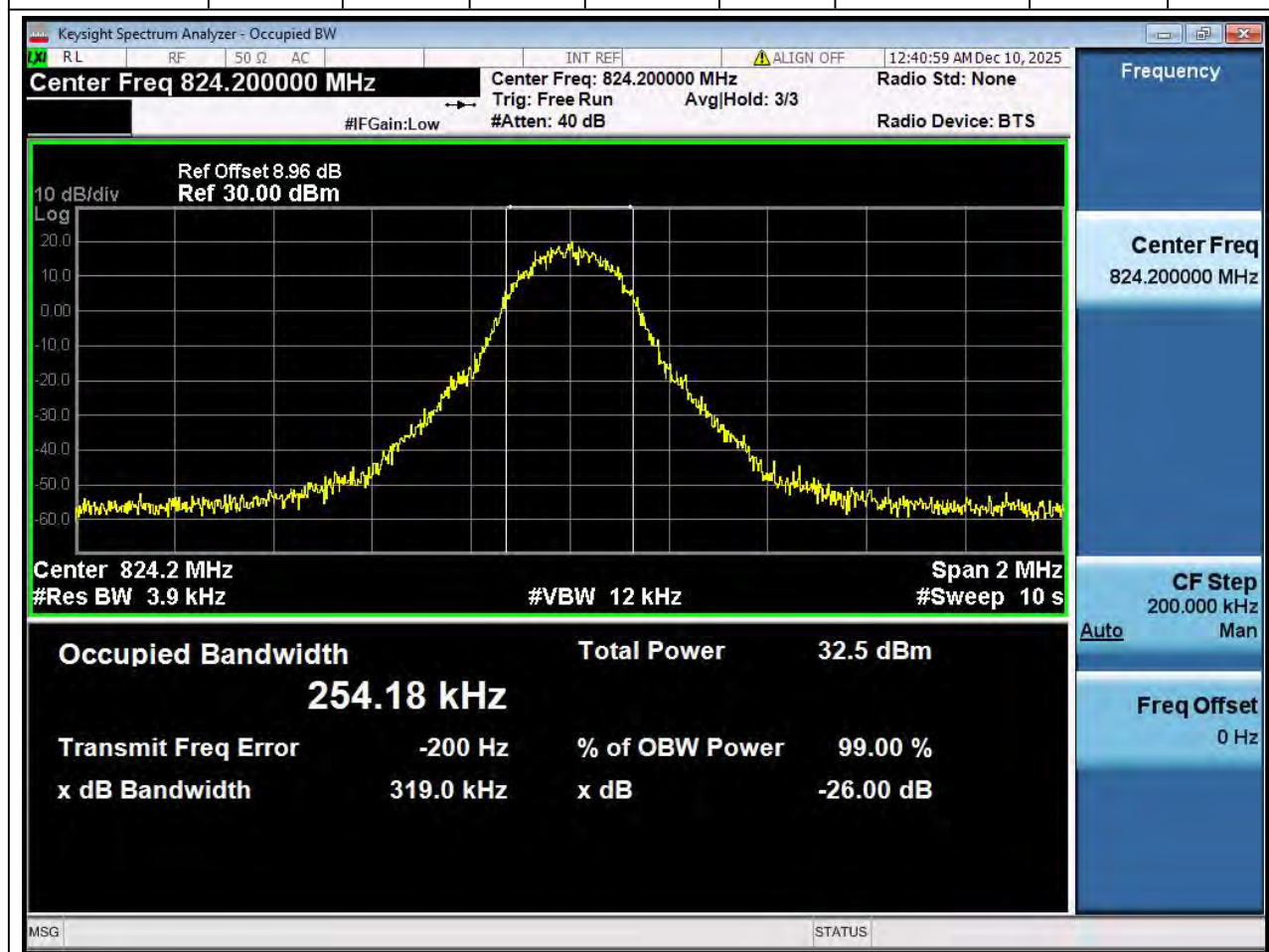


## EGPRS

### 1. EGPRS\_GSM850

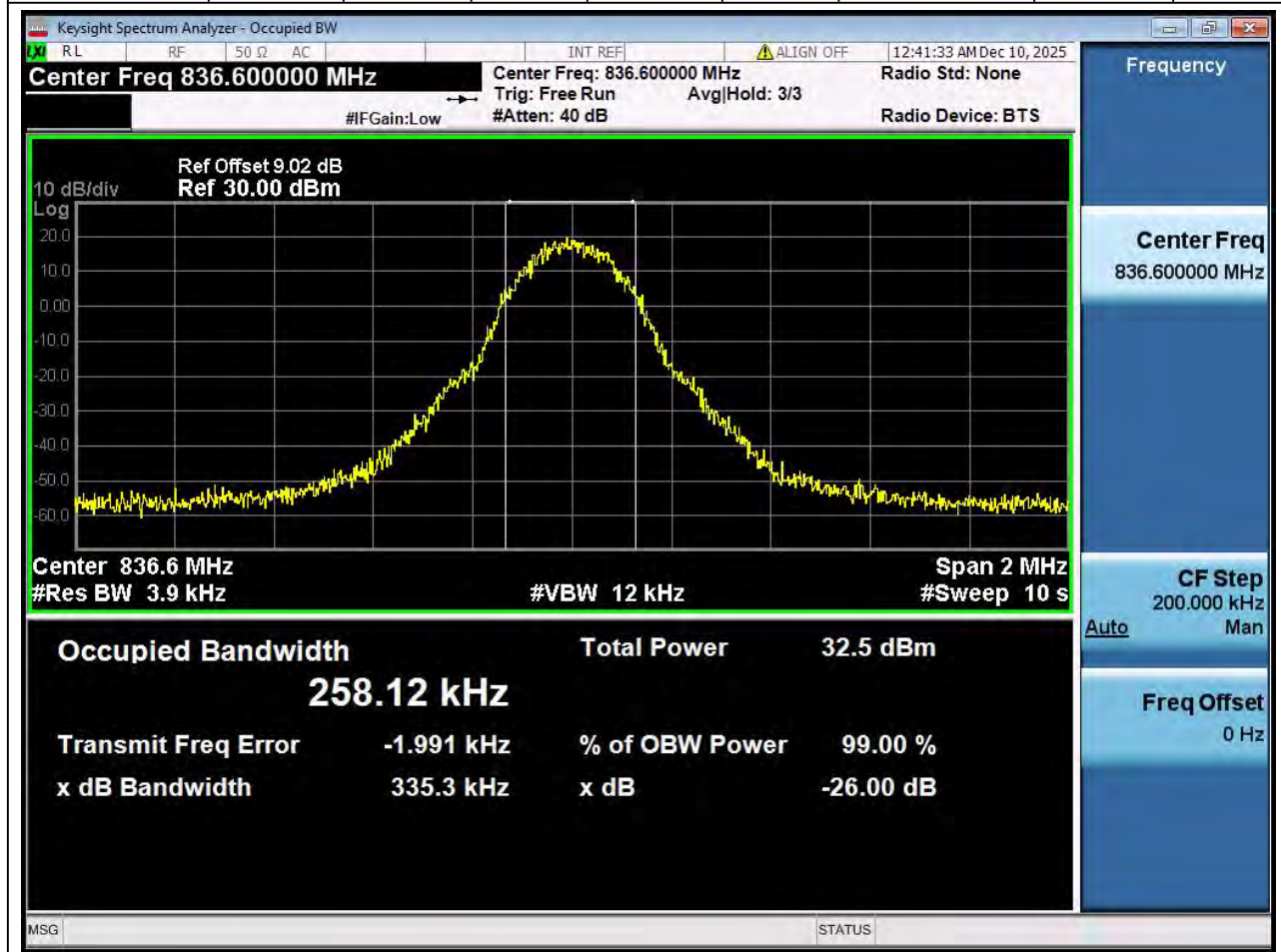
#### 1.1. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:128)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 824.2                  | 99            | 26            | 0.004     | Peak     | 0.254     | 0.319               | 0.3               | Pass    |



## 1.2. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:190)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.6                  | 99            | 26            | 0.004     | Peak     | 0.258     | 0.335               | 0.3               | Pass    |



### 1.3. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:251)

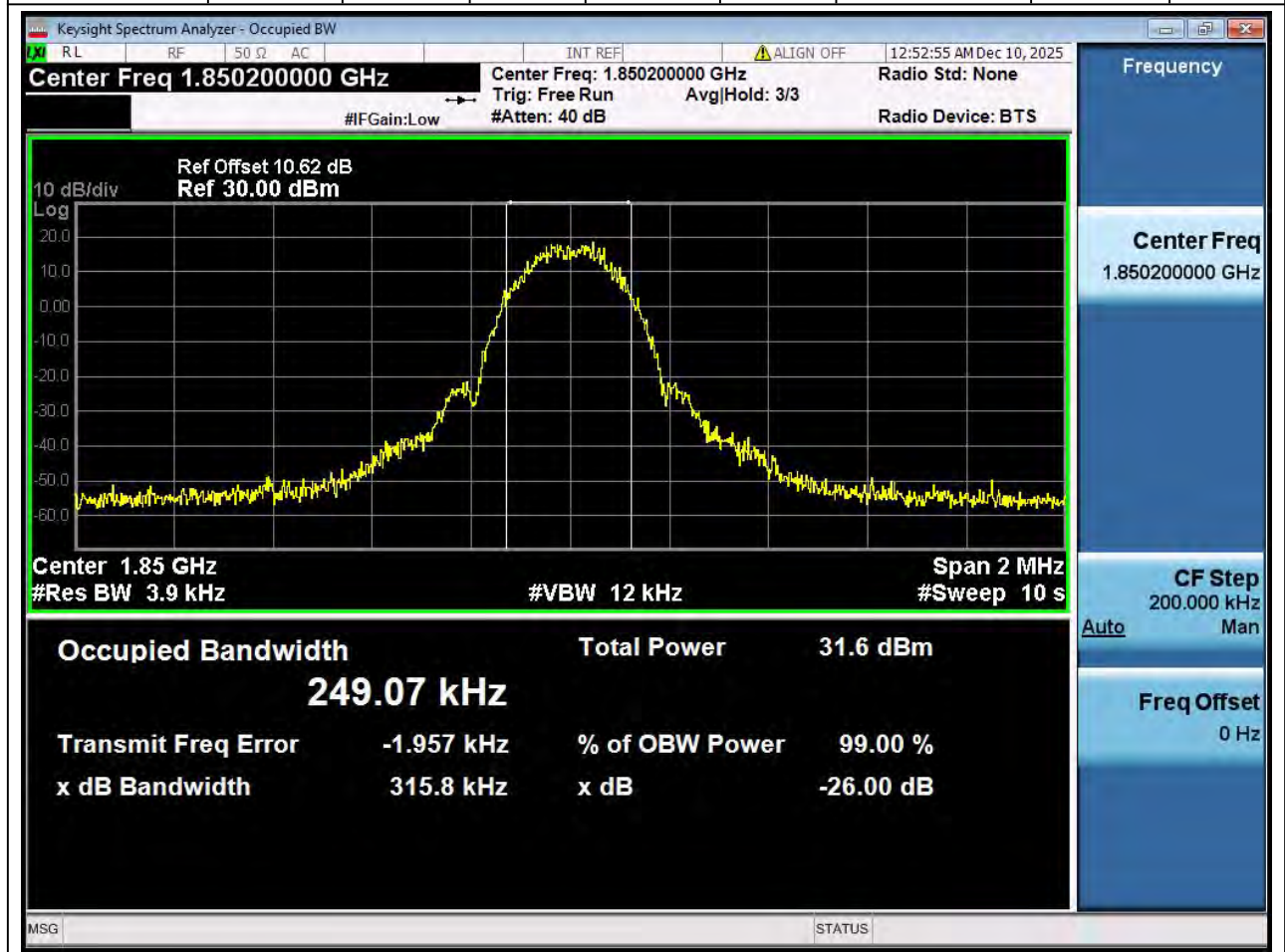
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 848.8                  | 99            | 26            | 0.004     | Peak     | 0.255     | 0.318               | 0.3               | Pass    |



## 2. EGPRS\_PCS

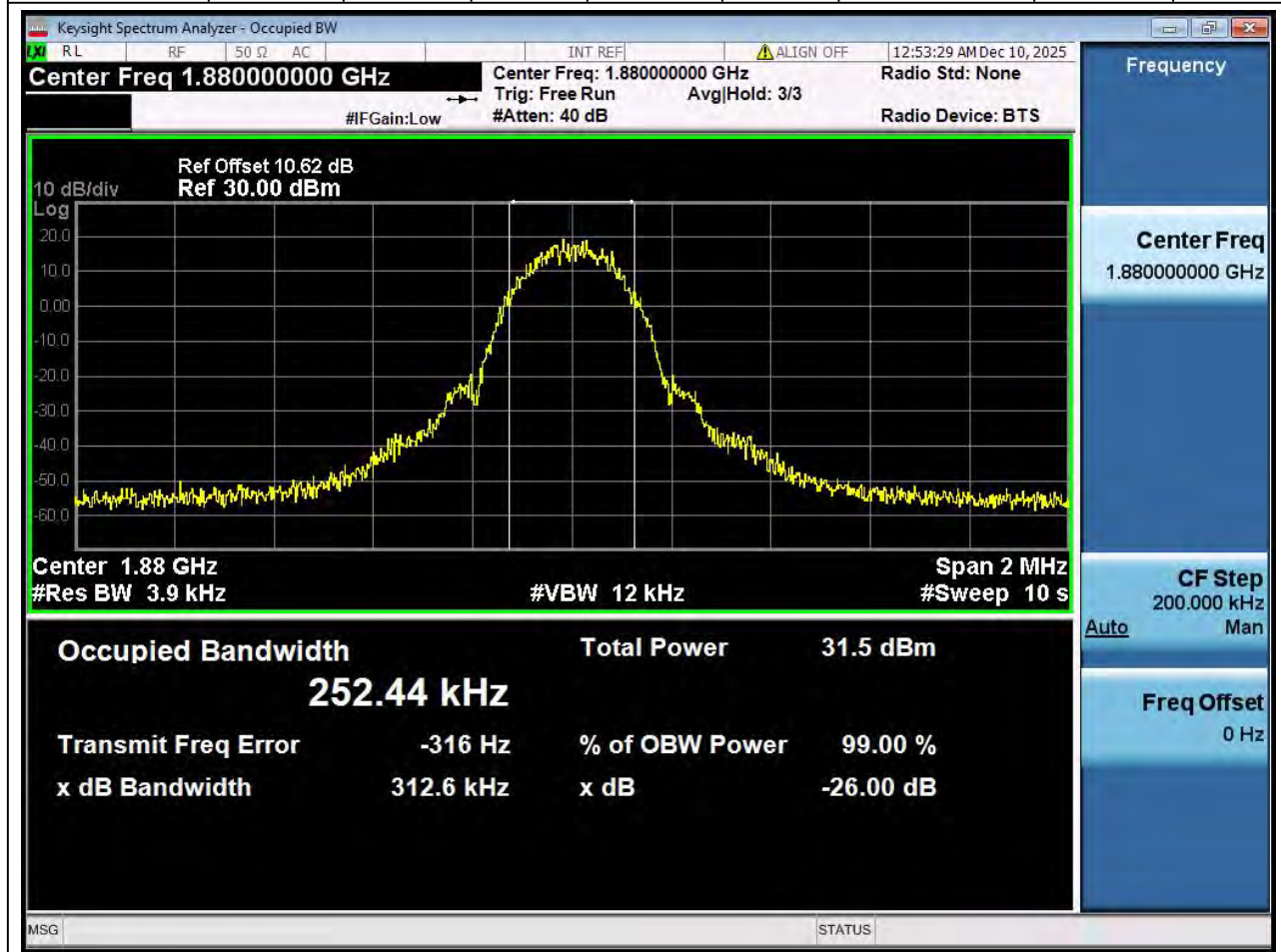
### 2.1. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:512)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1850.2                 | 99            | 26            | 0.004     | Peak     | 0.249     | 0.316               | 0.3               | Pass    |



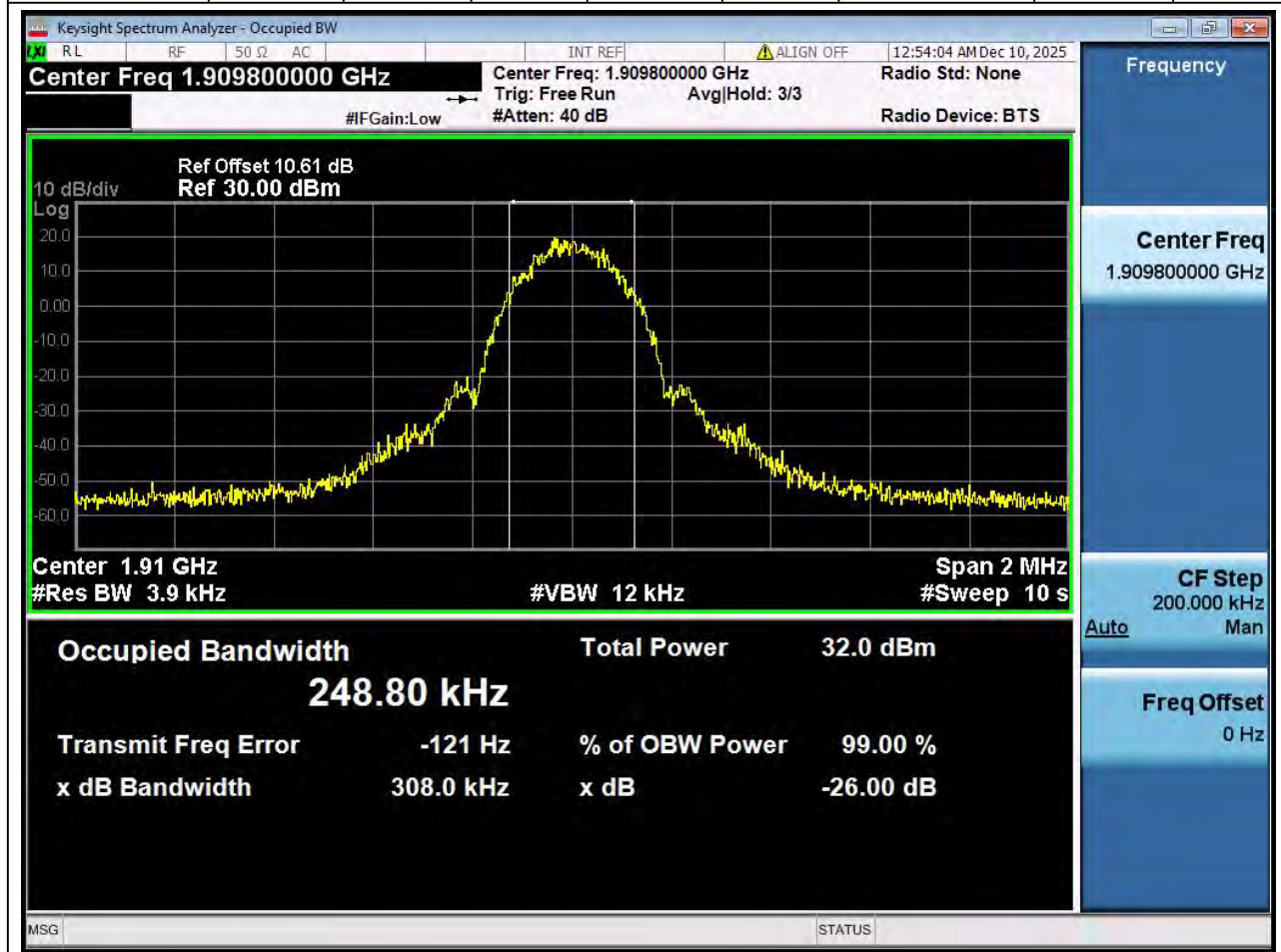
## 2.2. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:661)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1880                   | 99            | 26            | 0.004     | Peak     | 0.252     | 0.313               | 0.3               | Pass    |



### 2.3. EGPRS Occupied Bandwidth\_Part22-24(NTNV)(Channel:810)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1909.8                 | 99            | 26            | 0.004     | Peak     | 0.249     | 0.308               | 0.3               | Pass    |

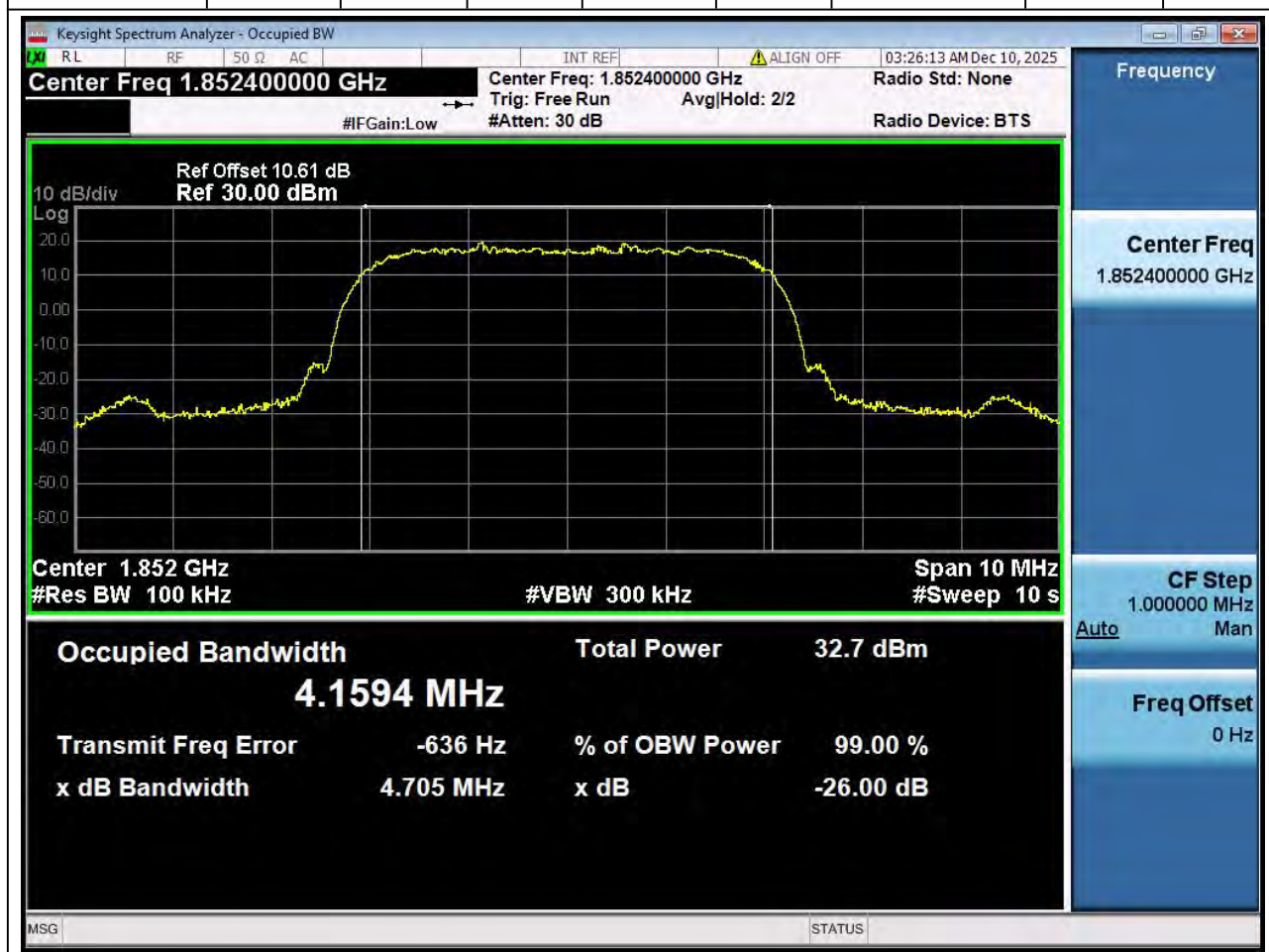


## WCDMA

### 1. WCDMA\_Band2

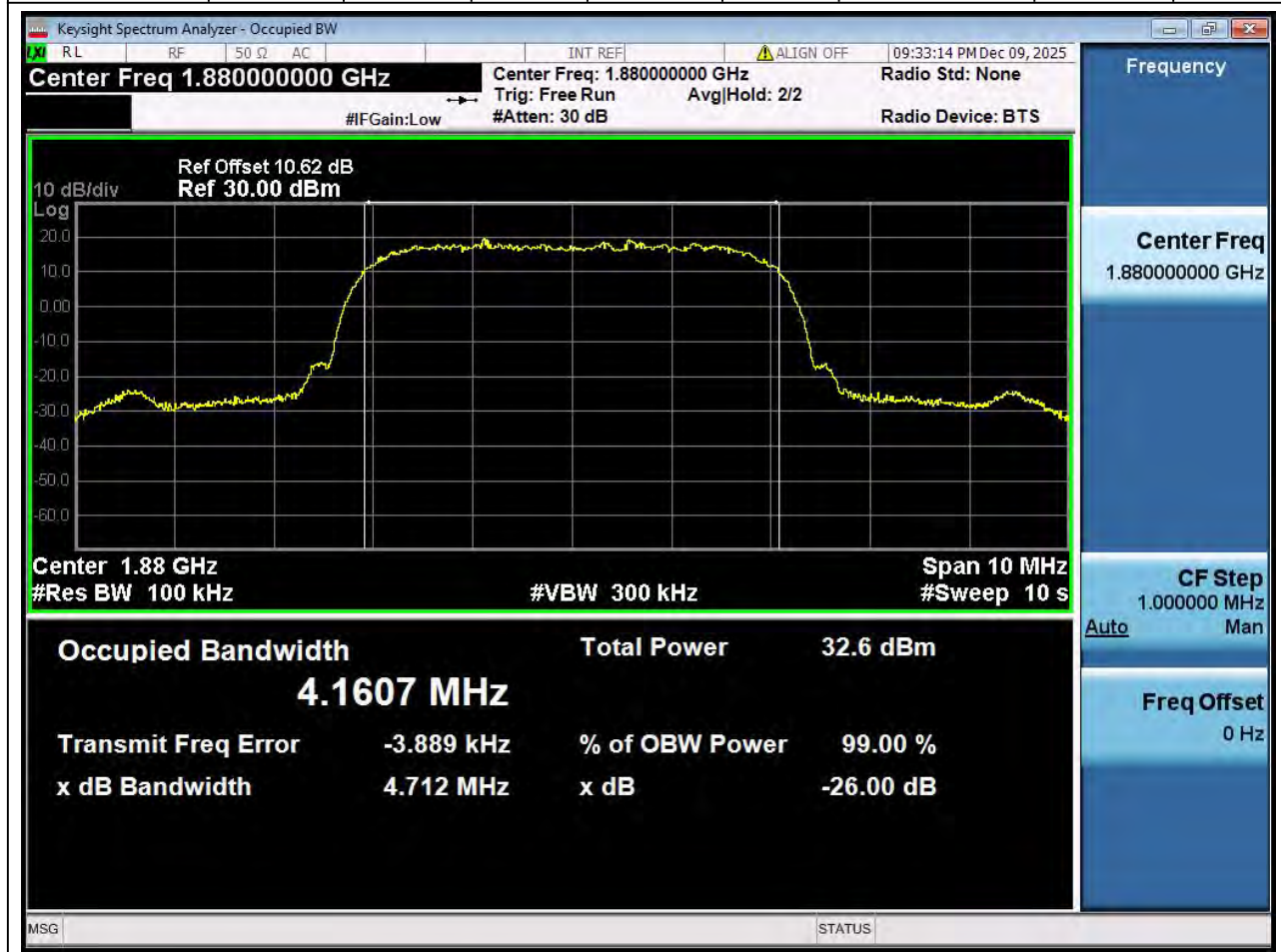
#### 1.1. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:9262)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1852.4                 | 99            | 26            | 0.1       | Peak     | 4.159     | 4.705               | 5                 | Pass    |



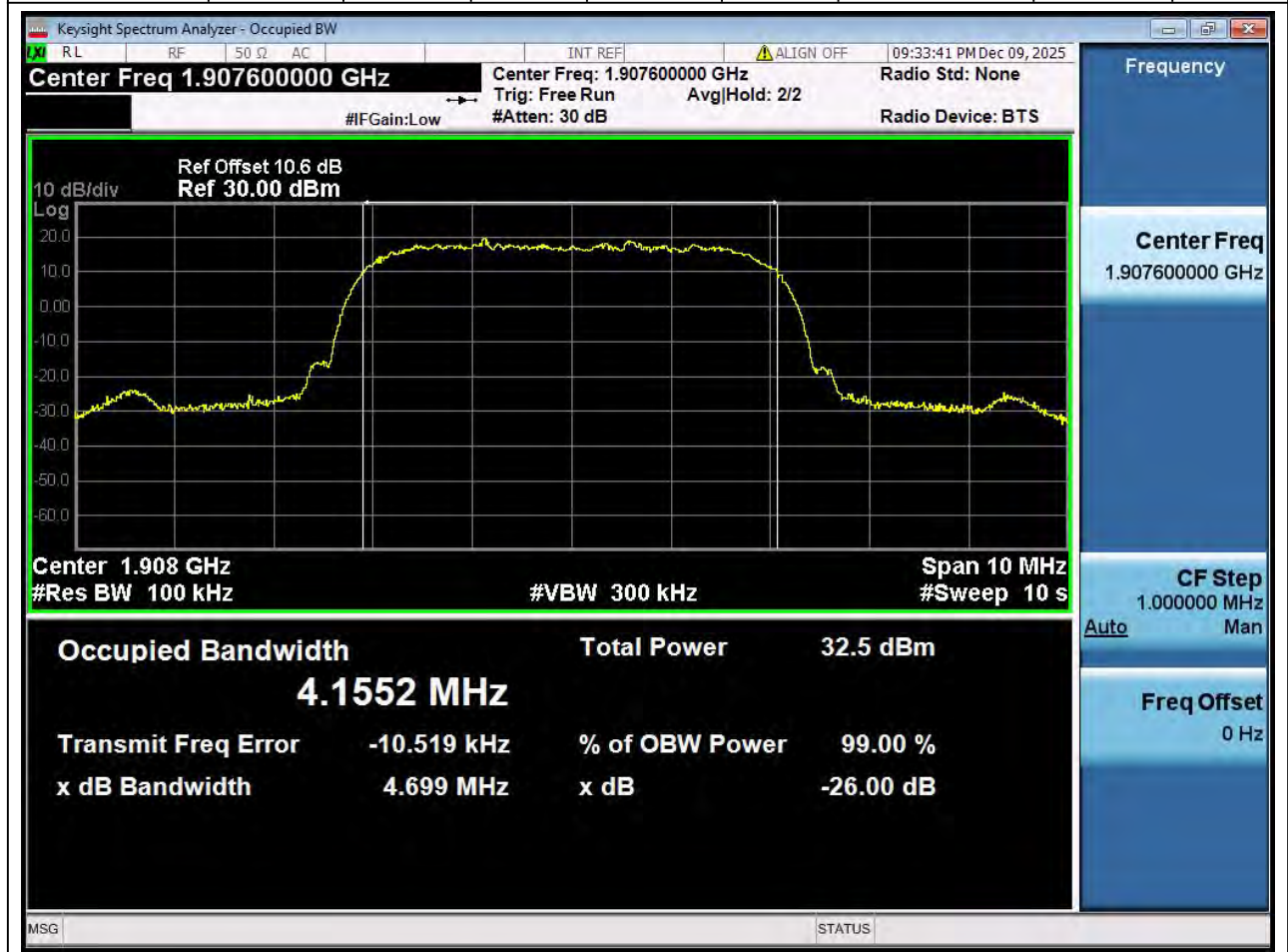
## 1.2. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:9400)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1880                   | 99            | 26            | 0.1       | Peak     | 4.161     | 4.712               | 5                 | Pass    |



### 1.3. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:9538)

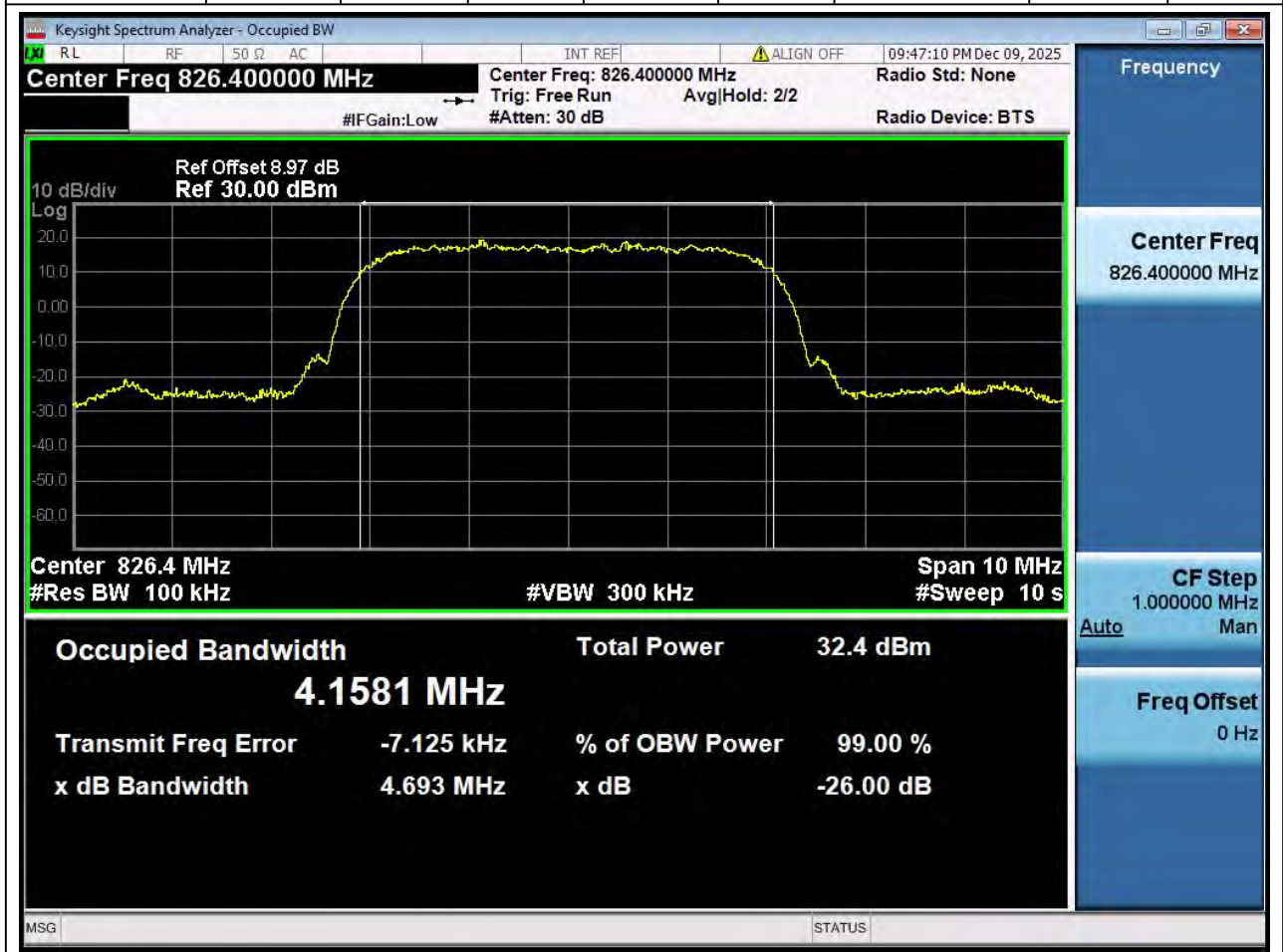
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 1907.6                 | 99            | 26            | 0.1       | Peak     | 4.155     | 4.699               | 5                 | Pass    |



## 2. WCDMA\_Band5

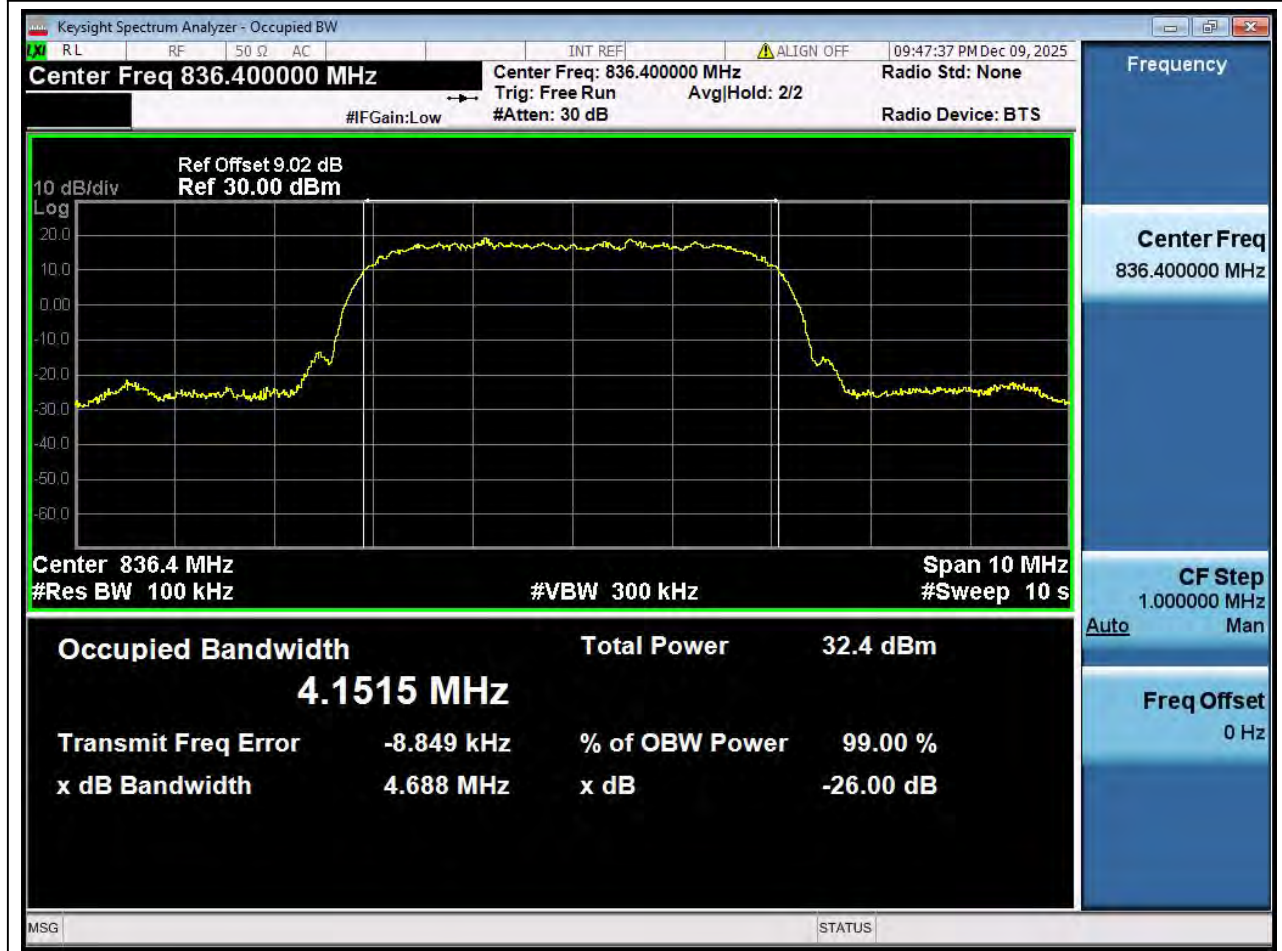
### 2.1. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:4132)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 826.4                  | 99            | 26            | 0.1       | Peak     | 4.158     | 4.693               | 5                 | Pass    |



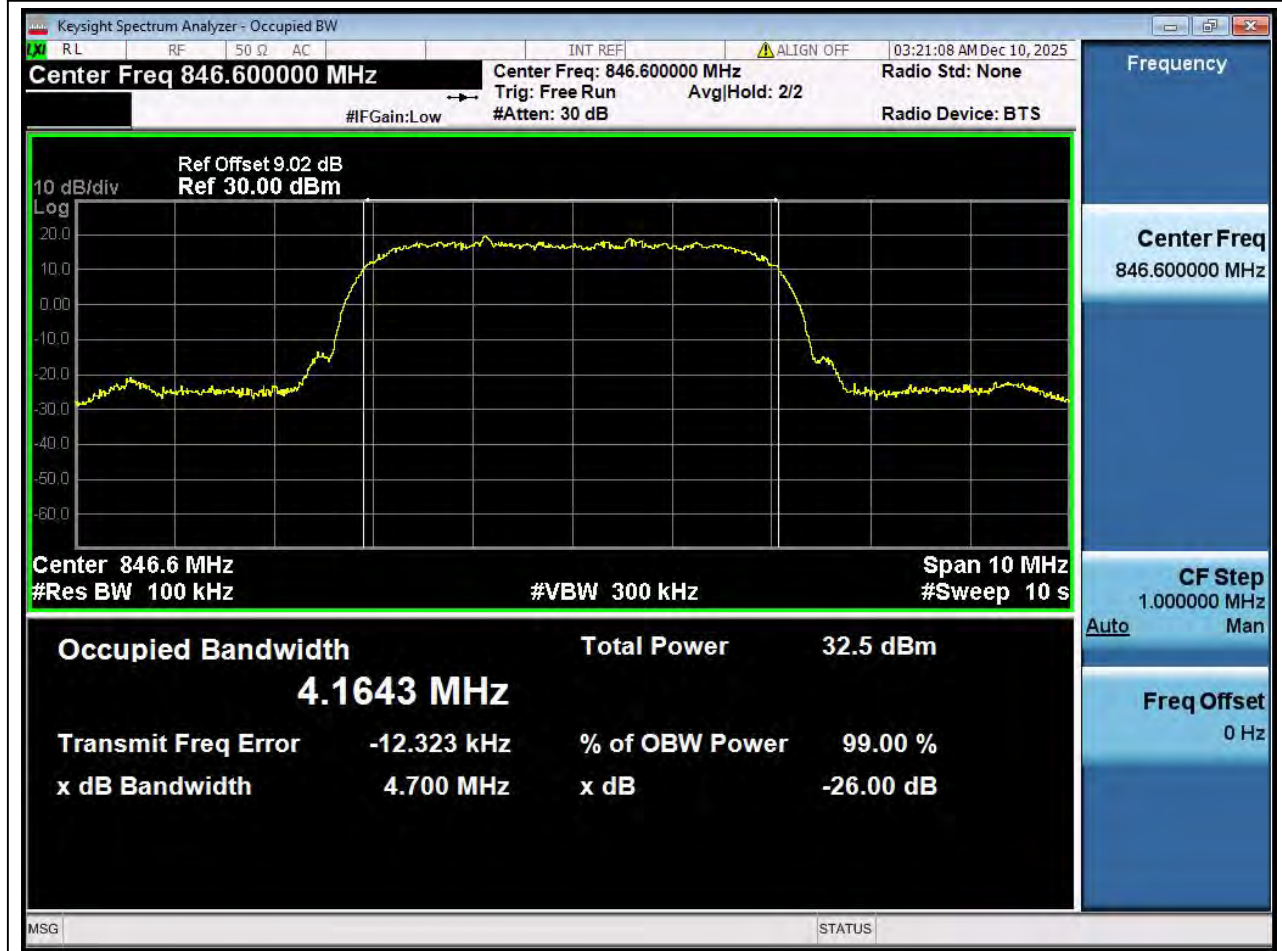
## 2.2. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:4182)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.4                  | 99            | 26            | 0.1       | Peak     | 4.151     | 4.688               | 5                 | Pass    |



### 2.3. WCDMA Occupied Bandwidth\_Part22-24-27(NTNV)(Channel:4233)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 846.6                  | 99            | 26            | 0.1       | Peak     | 4.164     | 4.7                 | 5                 | Pass    |

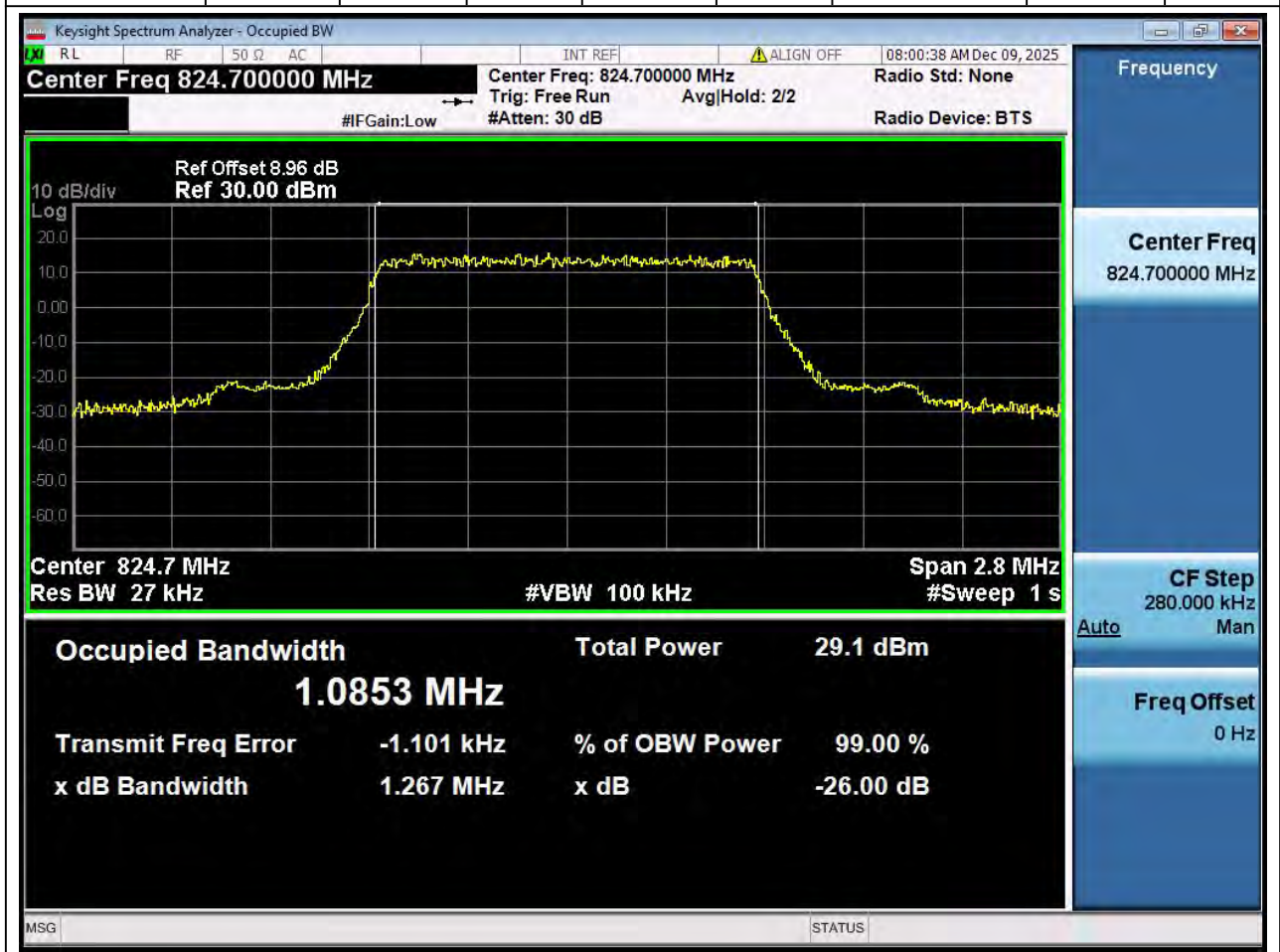


## LTE

### 1. LTE\_Band5

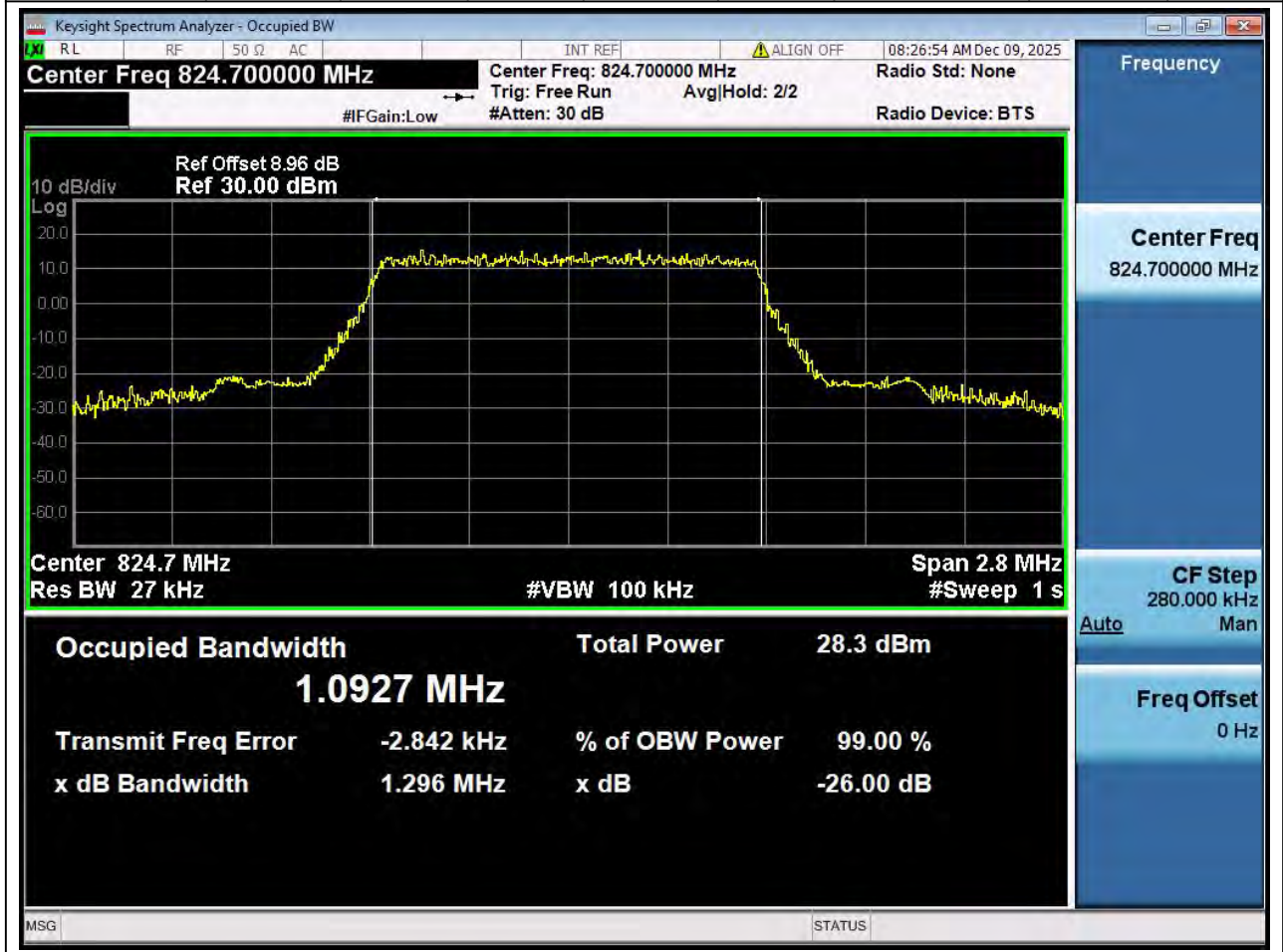
1.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:20407, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 824.7                  | 99            | 26            | 0.027     | Peak     | 1.085     | 1.267               | 1.4               | Pass    |



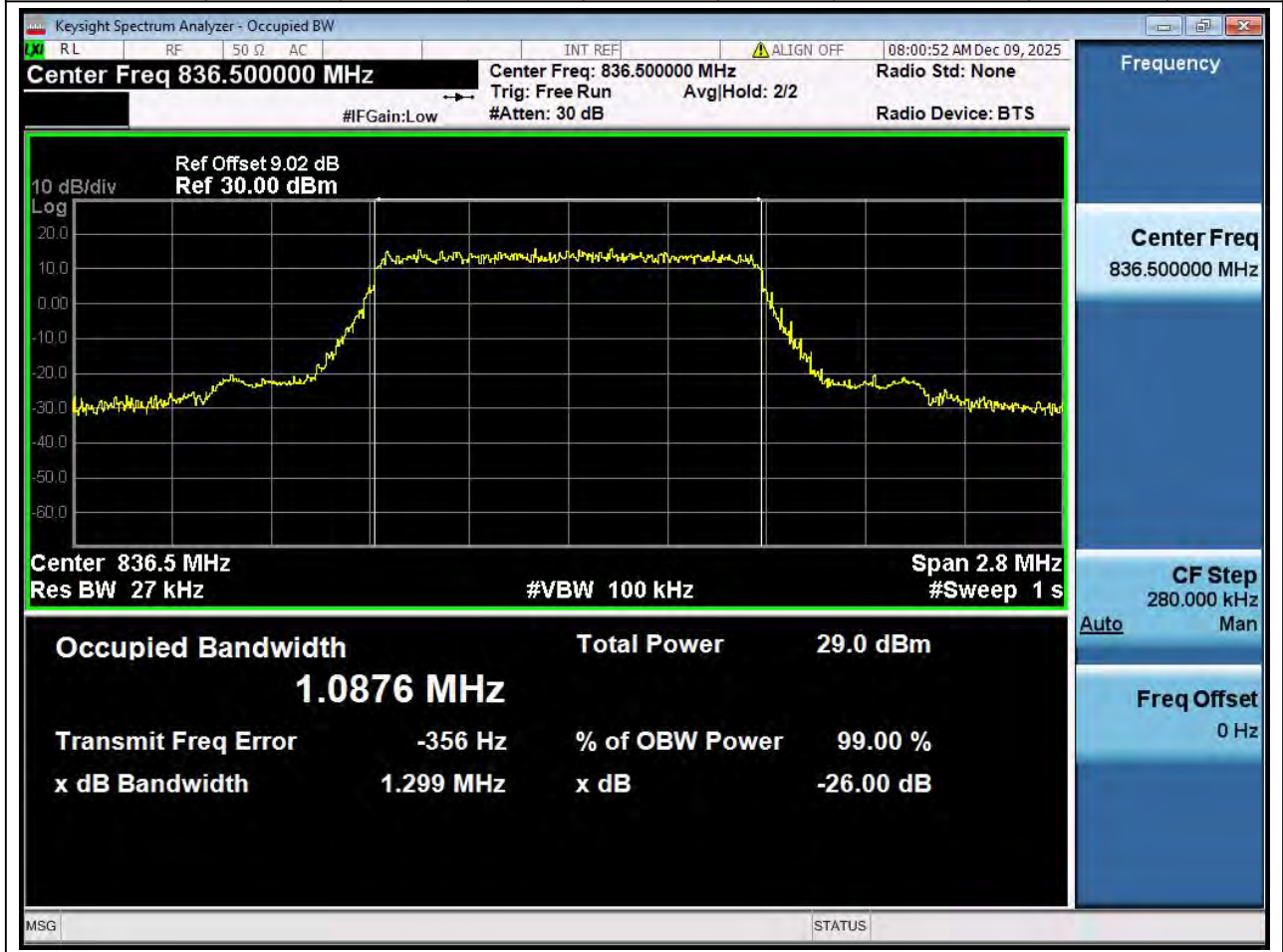
## 1.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:20407, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 824.7                  | 99            | 26            | 0.027     | Peak     | 1.093     | 1.296               | 1.4               | Pass    |



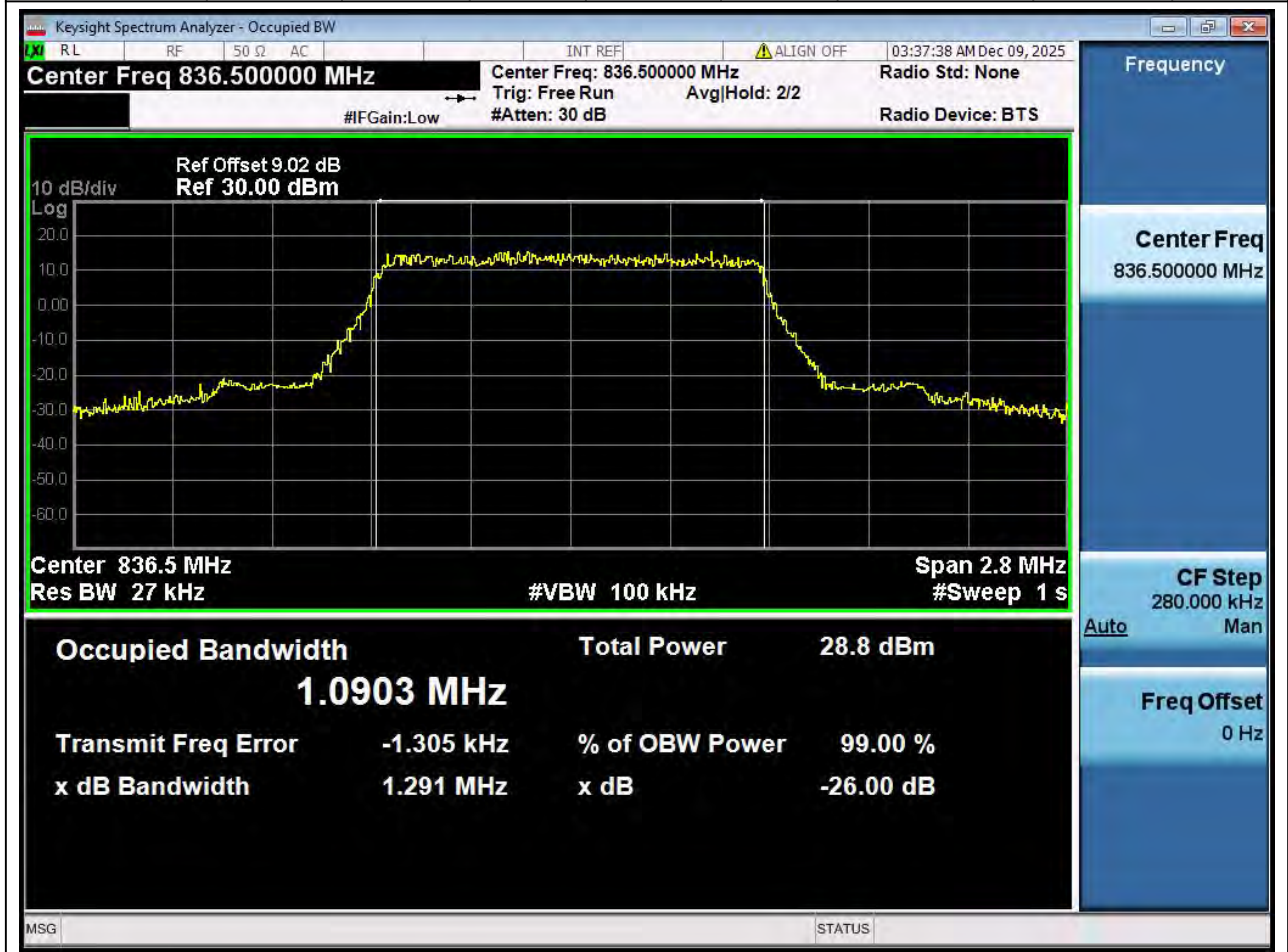
### 1.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:20525, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.027     | Peak     | 1.088     | 1.299               | 1.4               | Pass    |



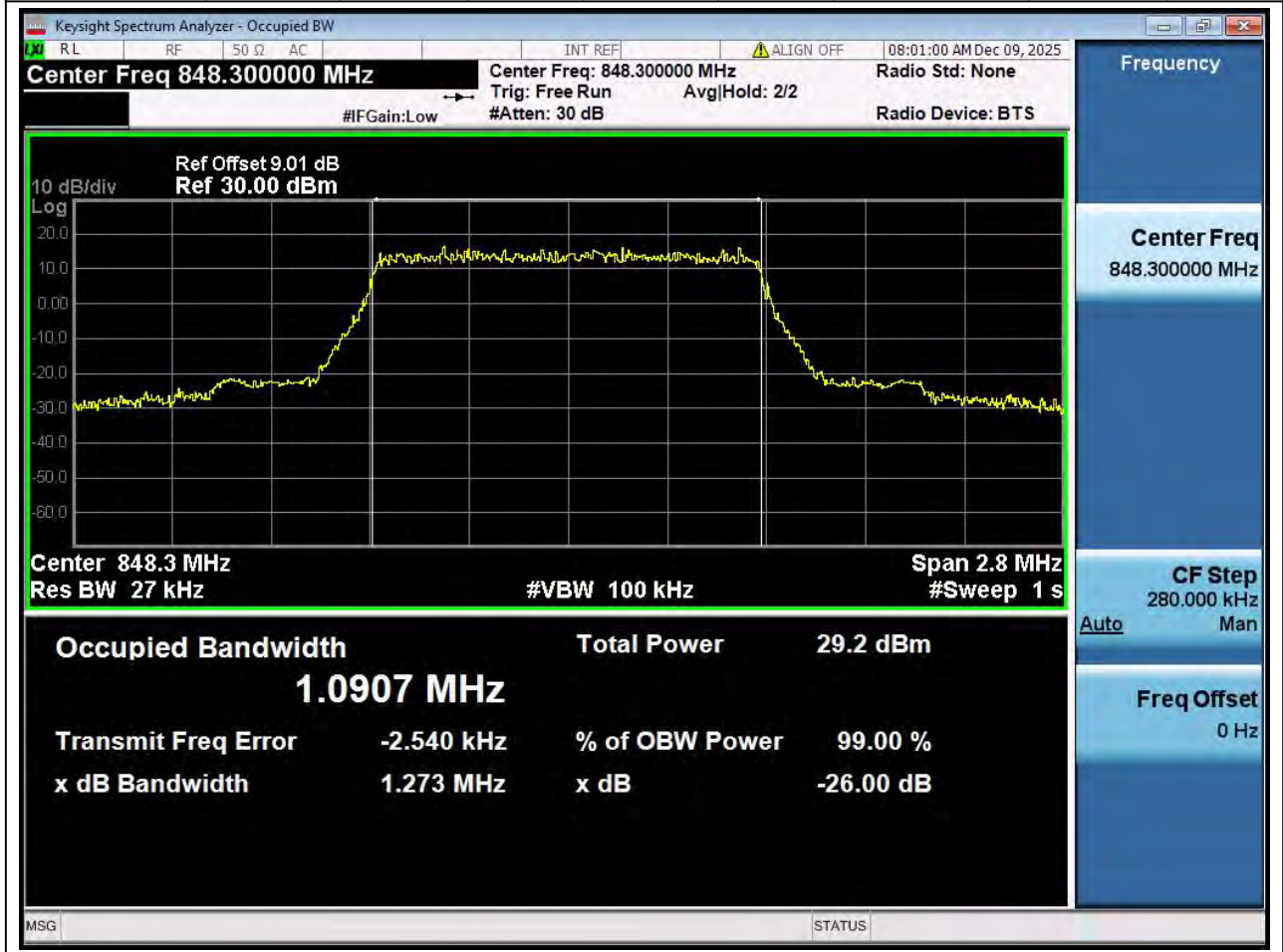
#### 1.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:20525, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.027     | Peak     | 1.09      | 1.291               | 1.4               | Pass    |



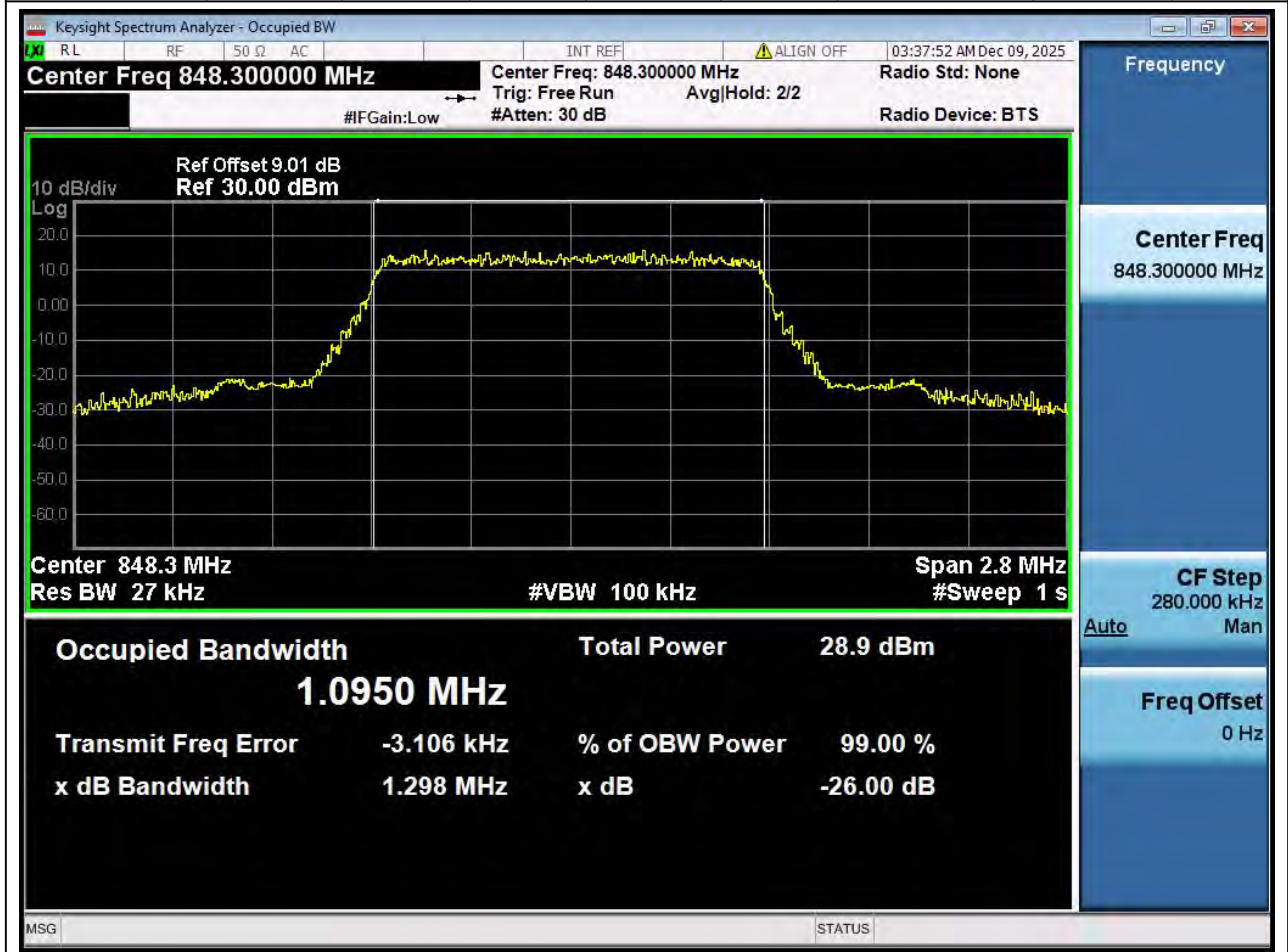
**1.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number: 6, RB Position:LOW)**

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 848.3                  | 99            | 26            | 0.027     | Peak     | 1.091     | 1.273               | 1.4               | Pass    |



**1.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:20643, Bandwidth:1.4, Modulation:Q16, RB Number: 6, RB Position:LOW)**

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 848.3                  | 99            | 26            | 0.027     | Peak     | 1.095     | 1.298               | 1.4               | Pass    |



### 1.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:20415, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 825.5                  | 99            | 26            | 0.062     | Peak     | 2.691     | 2.917               | 3                 | Pass    |



### 1.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:20415, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 825.5                  | 99            | 26            | 0.062     | Peak     | 2.689     | 2.921               | 3                 | Pass    |



### 1.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:20525, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.062     | Peak     | 2.687     | 2.924               | 3                 | Pass    |



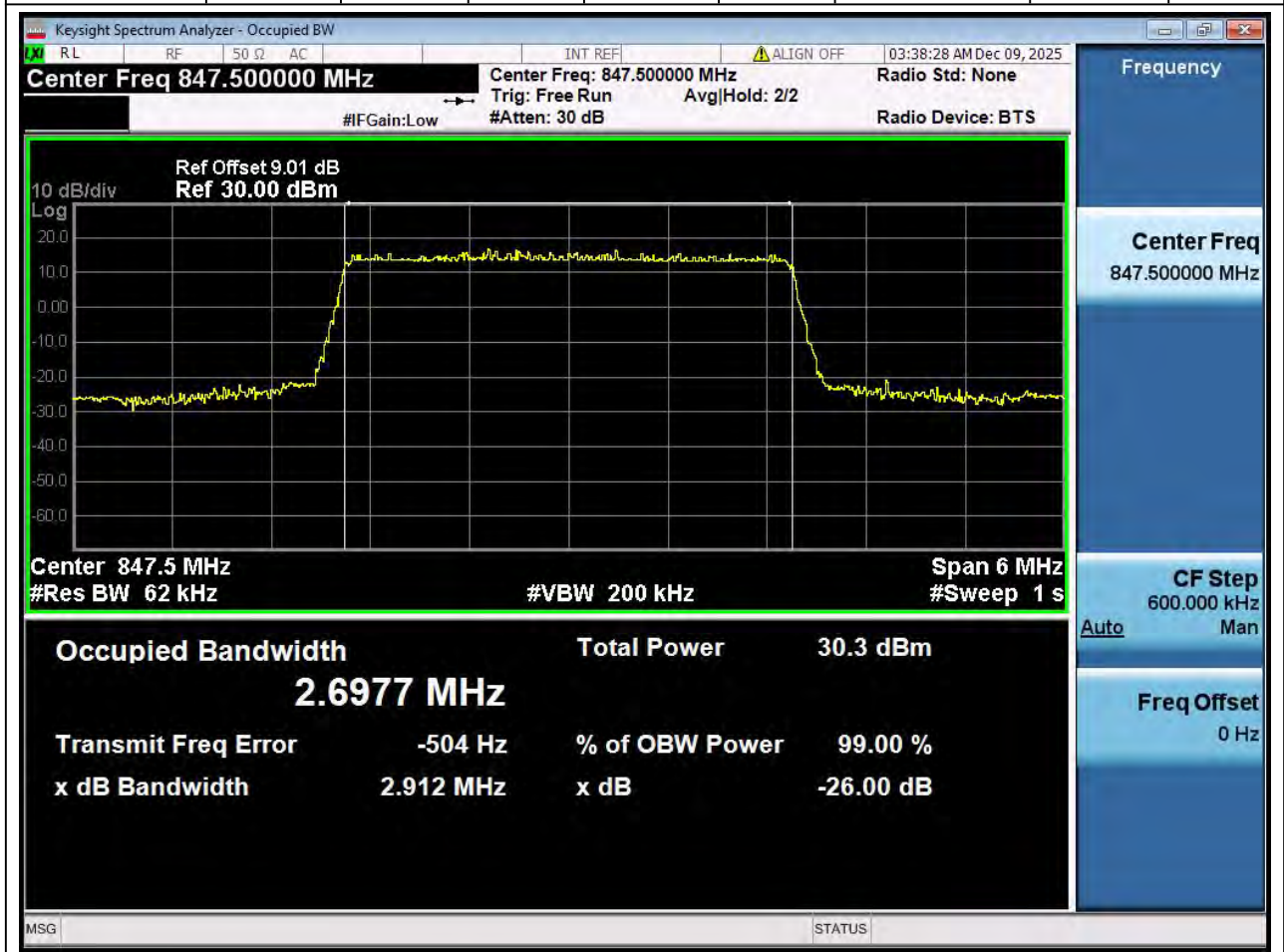
### 1.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:20525, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.062     | Peak     | 2.685     | 2.933               | 3                 | Pass    |



### 1.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:20635, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 847.5                  | 99            | 26            | 0.062     | Peak     | 2.698     | 2.912               | 3                 | Pass    |



### 1.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:20635, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 847.5                  | 99            | 26            | 0.062     | Peak     | 2.684     | 2.925               | 3                 | Pass    |



### 1.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:20425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 826.5                  | 99            | 26            | 0.1       | Peak     | 4.497     | 4.956               | 5                 | Pass    |



#### 1.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:20425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 826.5                  | 99            | 26            | 0.1       | Peak     | 4.489     | 4.896               | 5                 | Pass    |



# 1.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:20525, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.1       | Peak     | 4.494     | 4.908               | 5                 | Pass    |



# 1.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:20525, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.1       | Peak     | 4.49      | 4.916               | 5                 | Pass    |



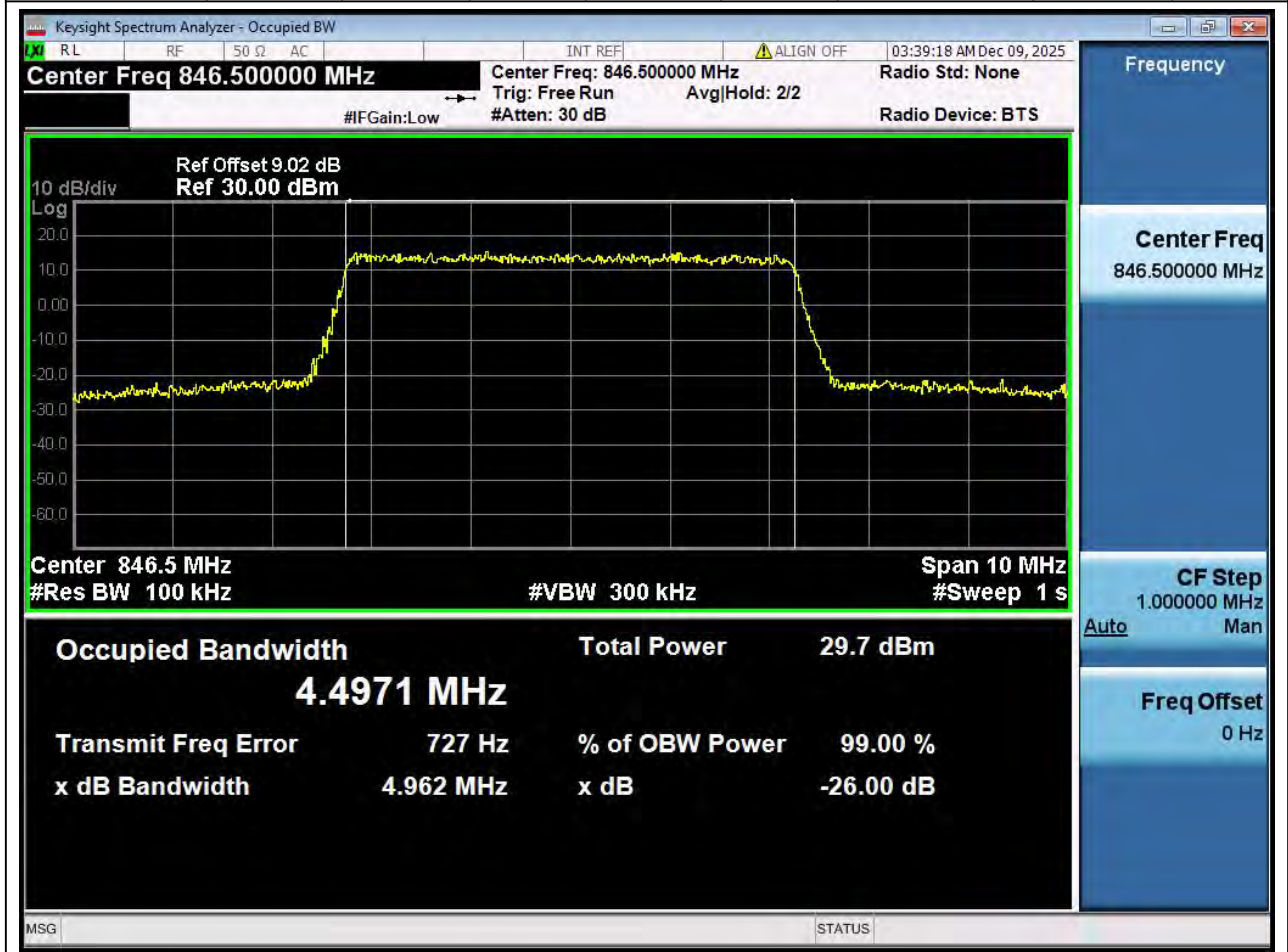
### 1.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:20625, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 846.5                  | 99            | 26            | 0.1       | Peak     | 4.492     | 4.894               | 5                 | Pass    |



### 1.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:20625, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 846.5                  | 99            | 26            | 0.1       | Peak     | 4.497     | 4.962               | 5                 | Pass    |



### 1.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 829                    | 99            | 26            | 0.2       | Peak     | 8.978     | 9.76                | 10                | Pass    |



## 1.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:20450, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 829                    | 99            | 26            | 0.2       | Peak     | 8.983     | 9.706               | 10                | Pass    |



### 1.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.2       | Peak     | 8.956     | 9.705               | 10                | Pass    |



## 1.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 836.5                  | 99            | 26            | 0.2       | Peak     | 8.976     | 9.687               | 10                | Pass    |



### 1.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 844                    | 99            | 26            | 0.2       | Peak     | 8.974     | 9.765               | 10                | Pass    |



#### 1.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

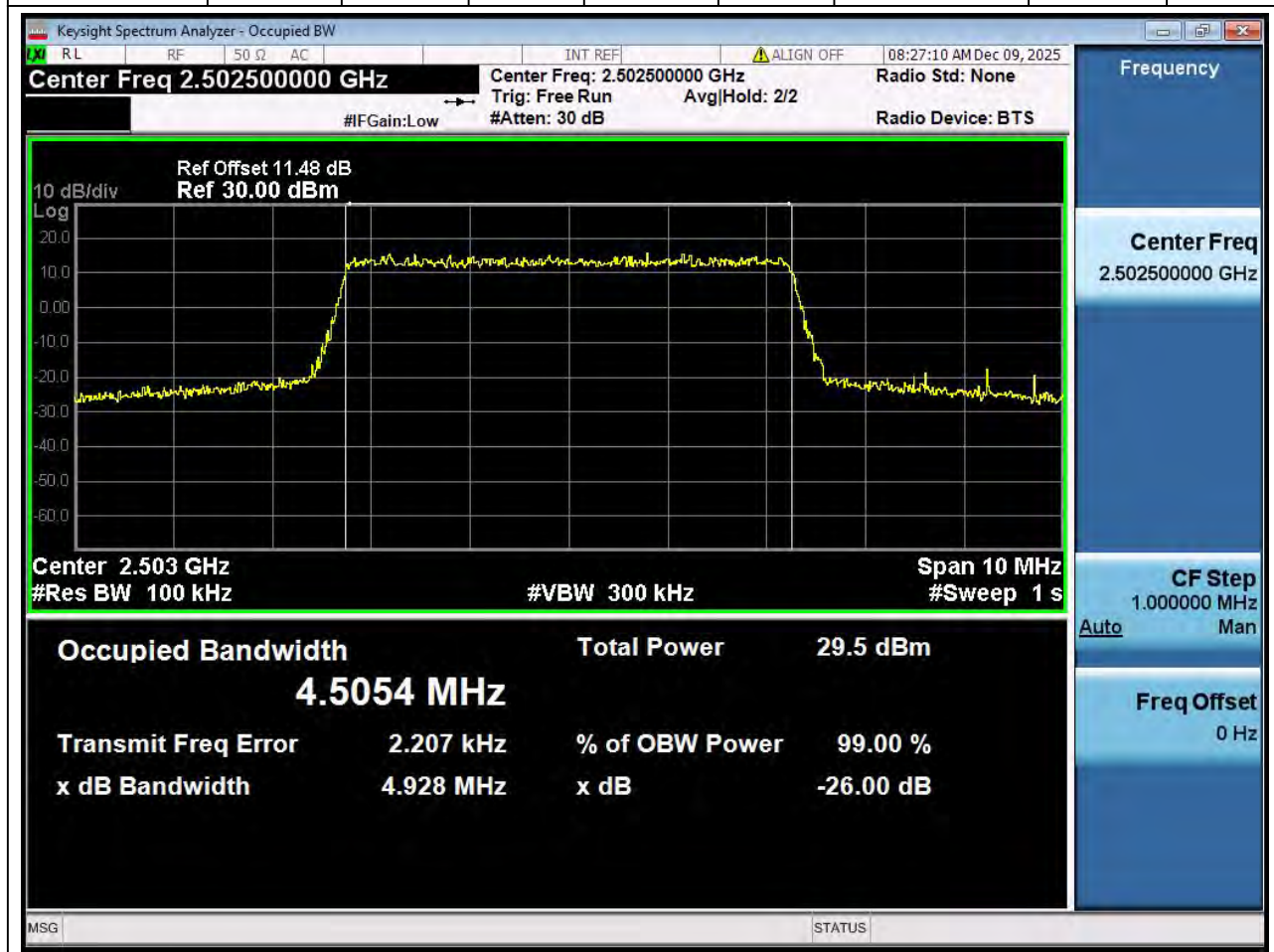
| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 844                    | 99            | 26            | 0.2       | Peak     | 8.969     | 9.738               | 10                | Pass    |



## 2. LTE\_Band7

### 2.1. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2502.5                 | 99            | 26            | 0.1       | Peak     | 4.505     | 4.928               | 5                 | Pass    |



## 2.2. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2502.5                 | 99            | 26            | 0.1       | Peak     | 4.495     | 4.866               | 5                 | Pass    |



### 2.3. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.1       | Peak     | 4.494     | 4.922               | 5                 | Pass    |



## 2.4. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:4, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.1       | Peak     | 4.498     | 4.912               | 5                 | Pass    |



## 2.5. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:5, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2567.5                 | 99            | 26            | 0.1       | Peak     | 4.493     | 4.871               | 5                 | Pass    |



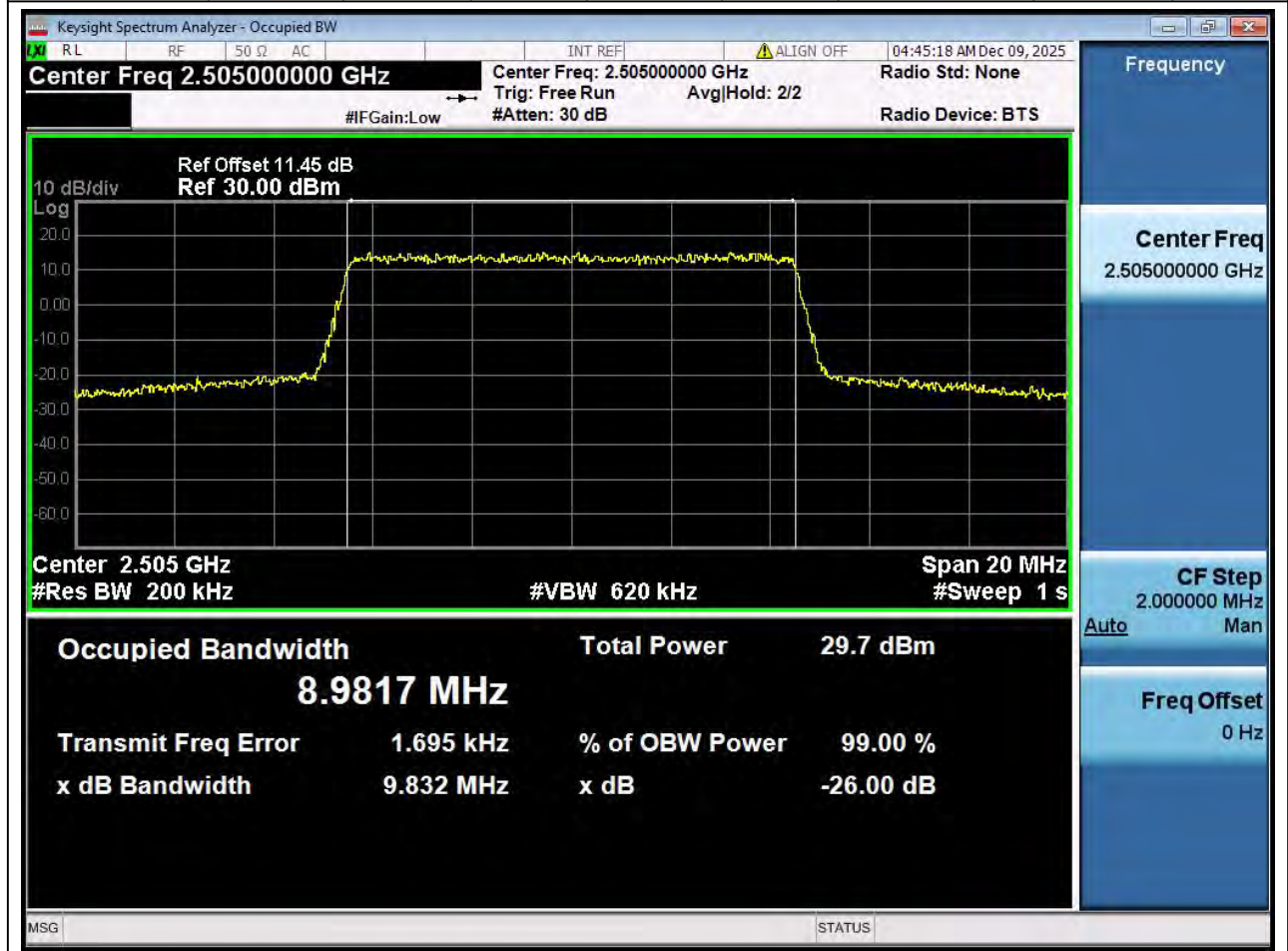
## 2.6. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2567.5                 | 99            | 26            | 0.1       | Peak     | 4.5       | 4.961               | 5                 | Pass    |



## 2.7. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:7, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2505                   | 99            | 26            | 0.2       | Peak     | 8.982     | 9.832               | 10                | Pass    |



## 2.8. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2505                   | 99            | 26            | 0.2       | Peak     | 8.979     | 9.809               | 10                | Pass    |



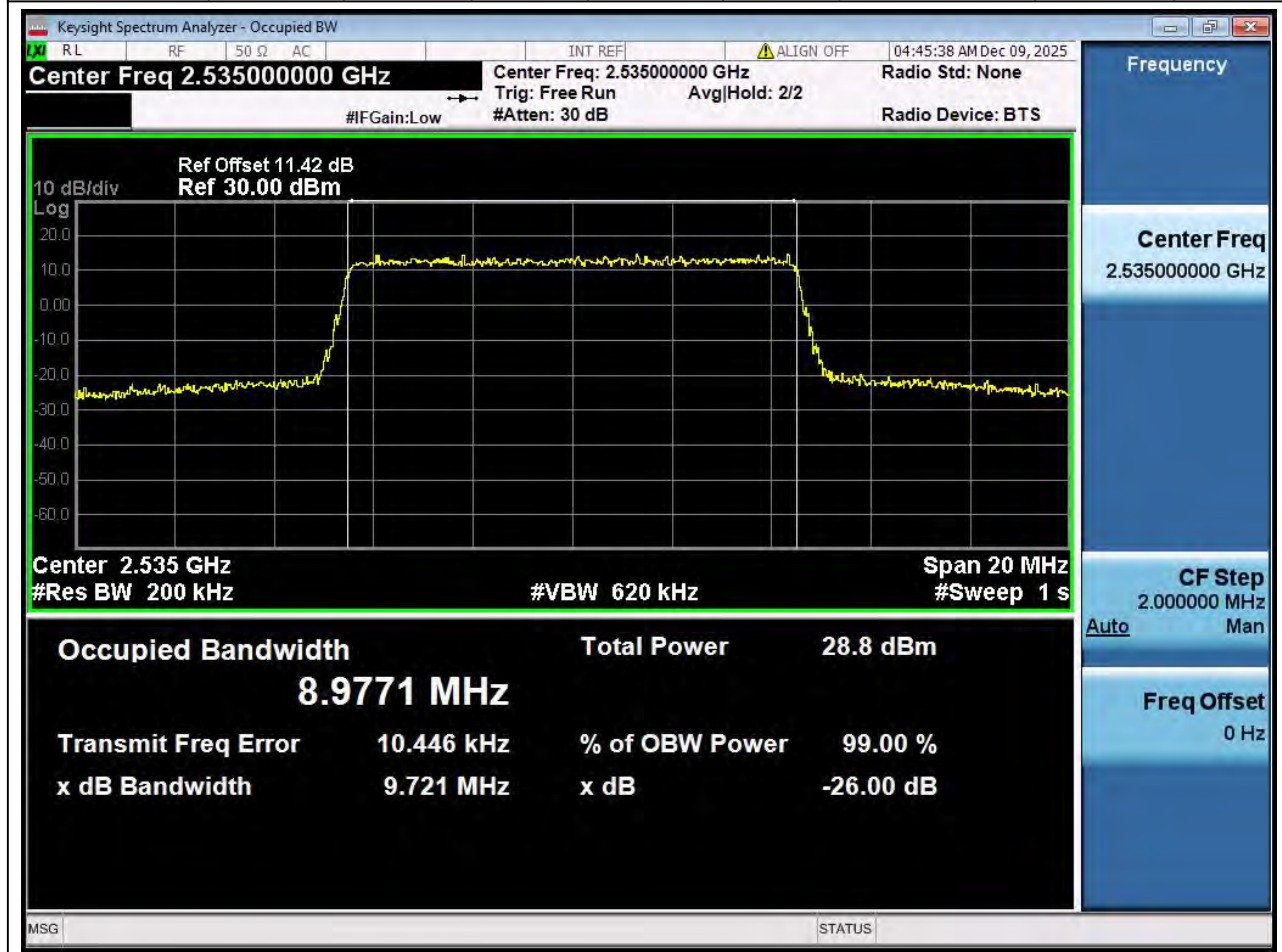
## 2.9. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:9, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.2       | Peak     | 8.966     | 9.809               | 10                | Pass    |



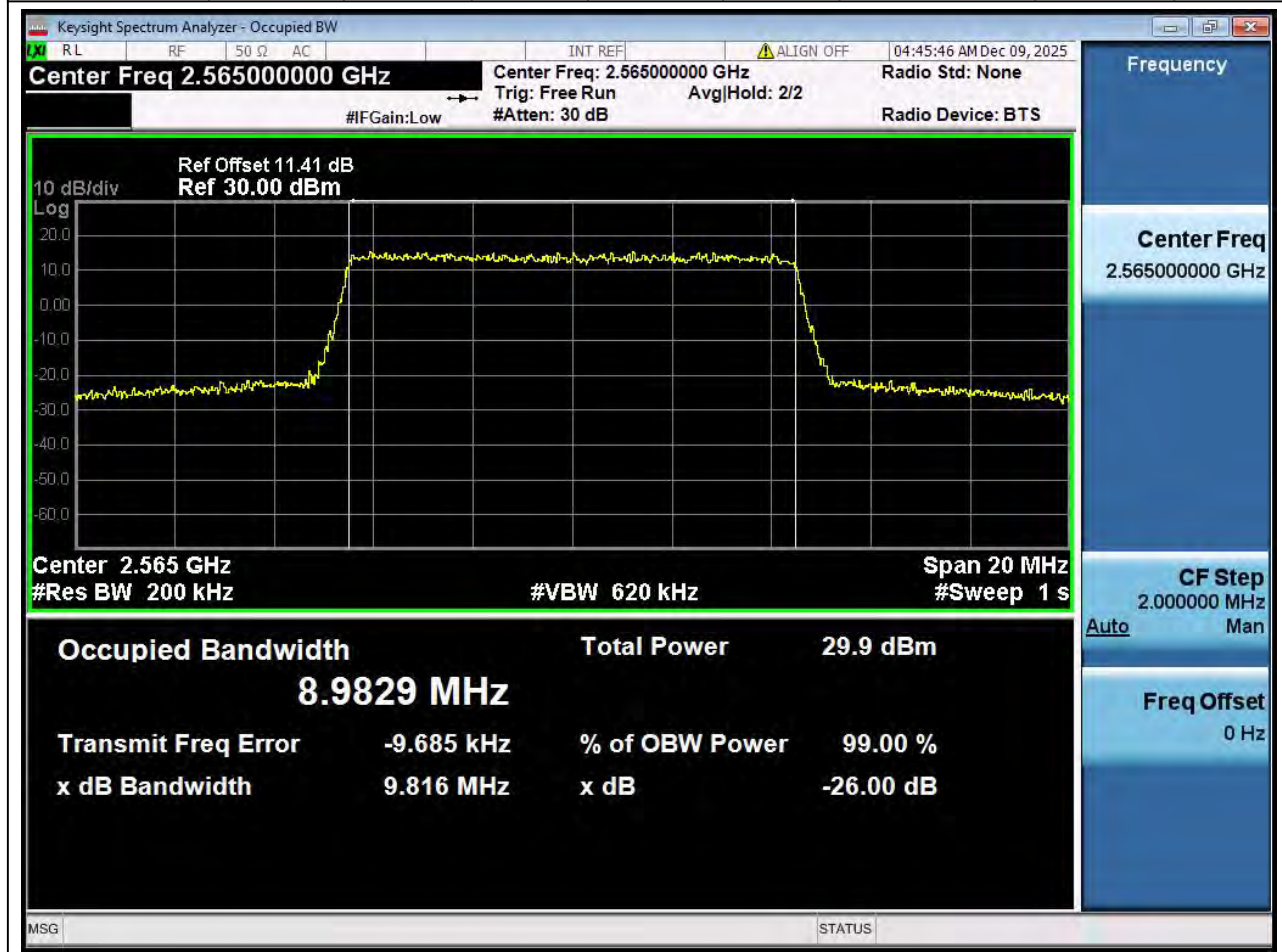
## 2.10. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:10, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.2       | Peak     | 8.977     | 9.721               | 10                | Pass    |



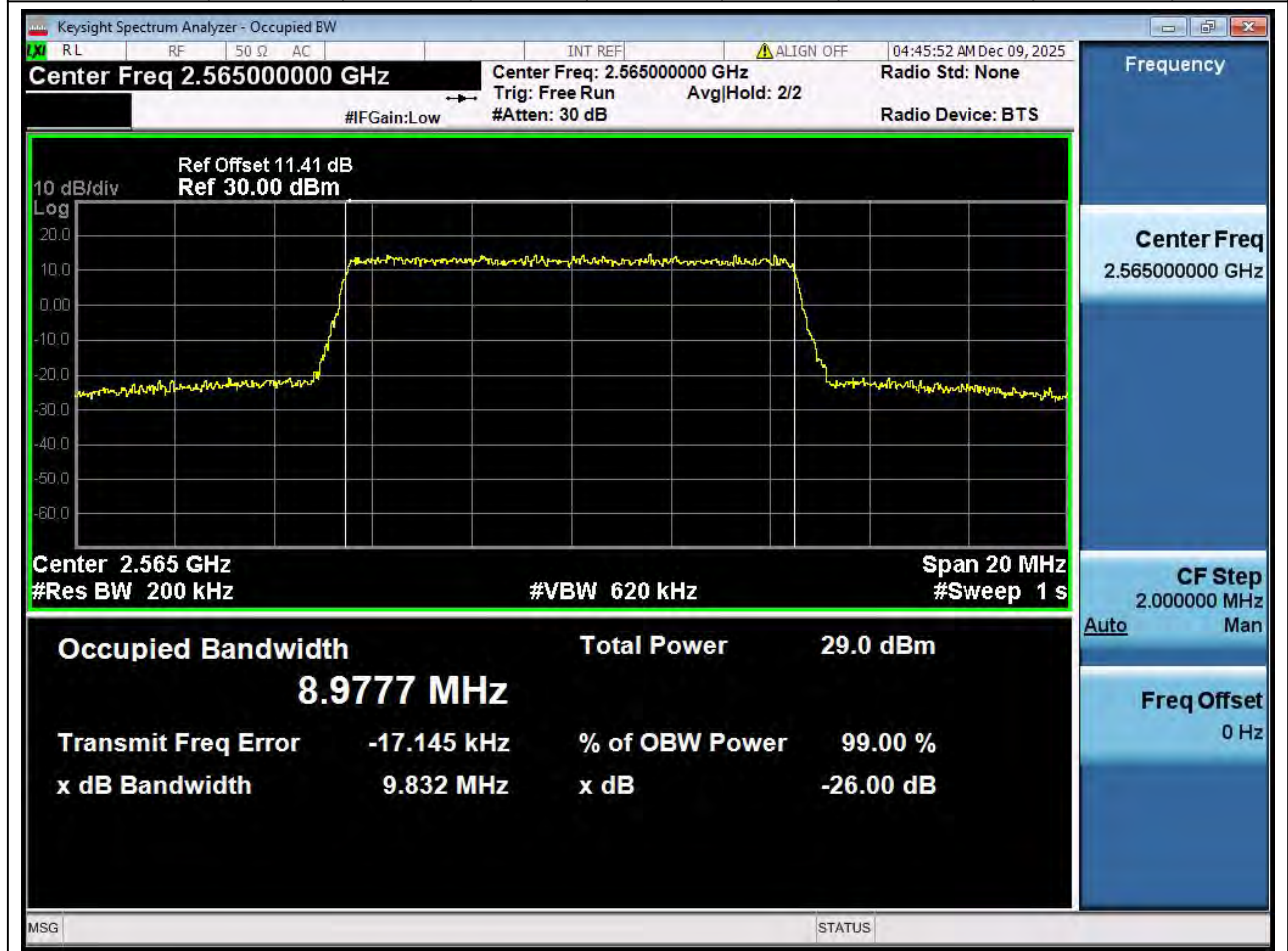
## 2.11. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:11, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2565                   | 99            | 26            | 0.2       | Peak     | 8.983     | 9.816               | 10                | Pass    |



## 2.12. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:12, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2565                   | 99            | 26            | 0.2       | Peak     | 8.978     | 9.832               | 10                | Pass    |



## 2.13. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:13, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2507.5                 | 99            | 26            | 0.3       | Peak     | 13.459    | 14.744              | 15                | Pass    |



## 2.14. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:14, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2507.5                 | 99            | 26            | 0.3       | Peak     | 13.479    | 14.593              | 15                | Pass    |



## 2.15. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:15, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.3       | Peak     | 13.432    | 14.56               | 15                | Pass    |



## 2.16. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.3       | Peak     | 13.46     | 14.617              | 15                | Pass    |



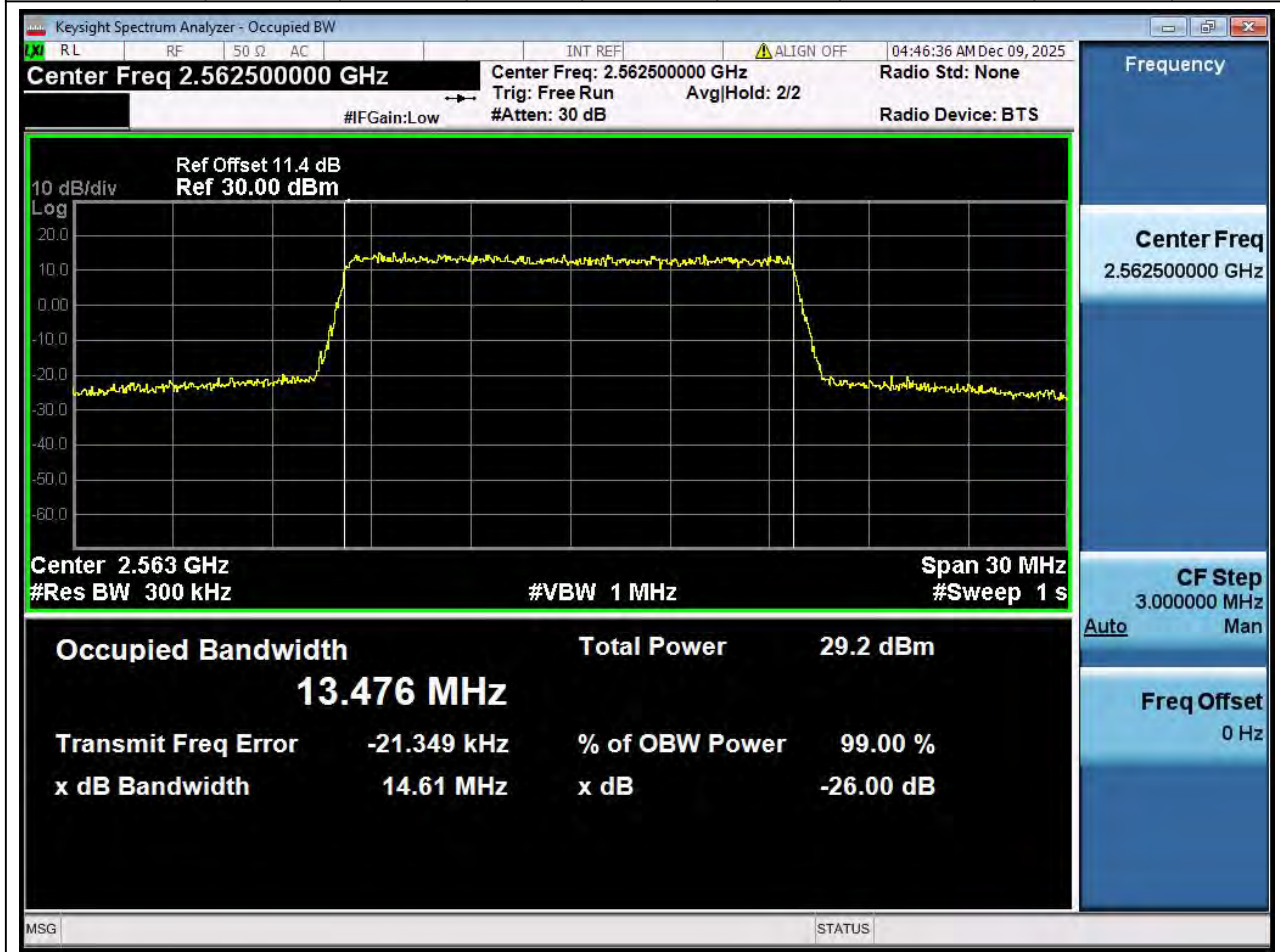
## 2.17. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:17, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2562.5                 | 99            | 26            | 0.3       | Peak     | 13.456    | 14.669              | 15                | Pass    |



## 2.18. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:18, Channel:21375, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2562.5                 | 99            | 26            | 0.3       | Peak     | 13.476    | 14.611              | 15                | Pass    |



## 2.19. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:19, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2510                   | 99            | 26            | 0.39      | Peak     | 17.921    | 19.317              | 20                | Pass    |



## 2.20. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:20, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2510                   | 99            | 26            | 0.39      | Peak     | 17.97     | 19.393              | 20                | Pass    |



## 2.21. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:21, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.39      | Peak     | 17.898    | 19.313              | 20                | Pass    |



## 2.22. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2535                   | 99            | 26            | 0.39      | Peak     | 17.928    | 19.361              | 20                | Pass    |



## 2.23. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:23, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2560                   | 99            | 26            | 0.39      | Peak     | 17.936    | 19.522              | 20                | Pass    |



## 2.24. LTE Occupied Bandwidth\_Part22-24-27(NTNV)(Subtest:24, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down (dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|---------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 2560                   | 99            | 26            | 0.39      | Peak     | 17.926    | 19.418              | 20                | Pass    |



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