





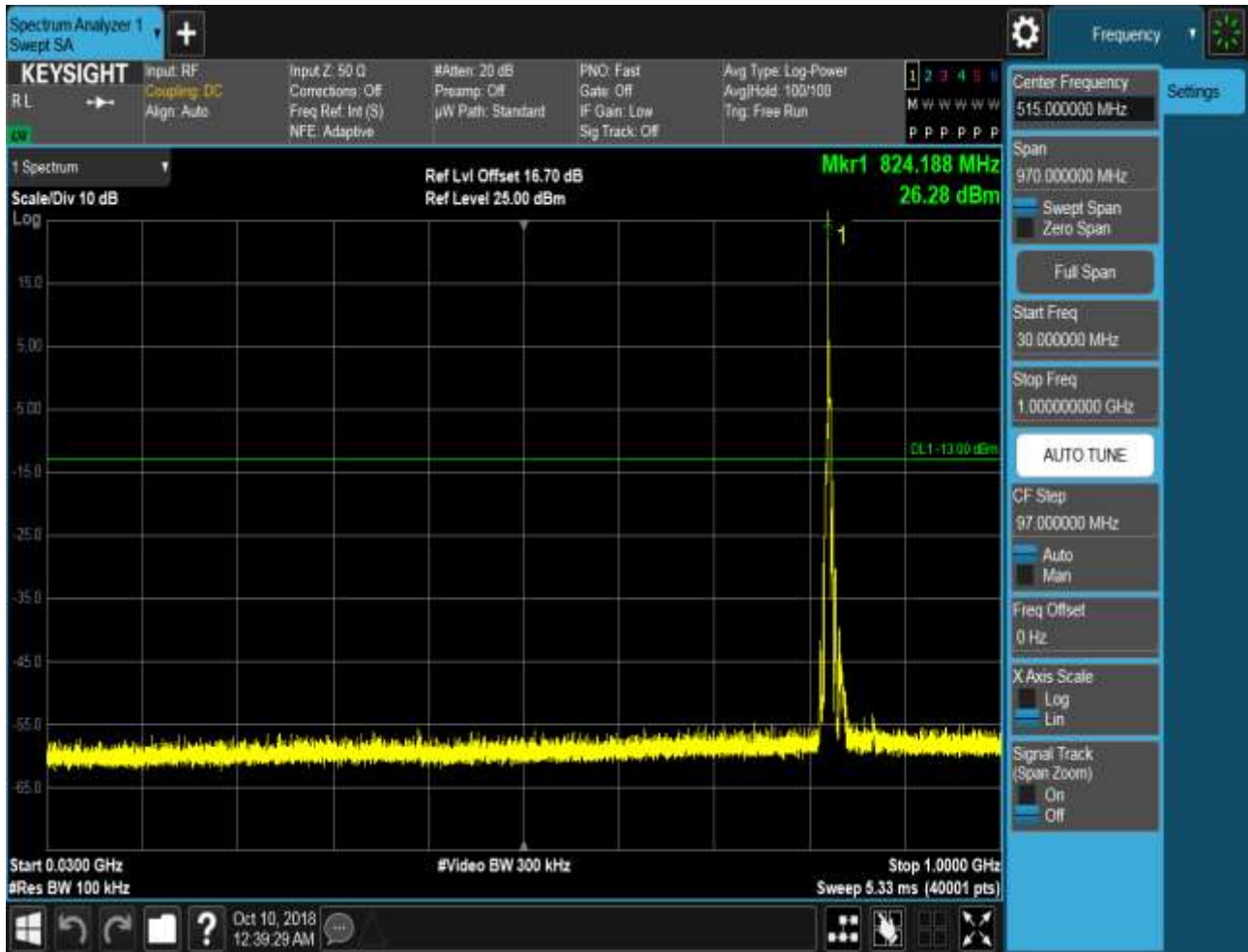
### 6.2.1.1.2 Test Bandwidth = 3

#### 6.2.1.1.2.1 Test Channel = LCH

##### 6.2.1.1.2.1.1 Test RB = RB1#0











## 6.2.1.1.2.2 Test Channel = MCH

### 6.2.1.1.2.2.1 Test RB = RB1#0











## 6.2.1.1.2.3 Test Channel = HCH

## 6.2.1.1.2.3.1 Test RB = RB1#0











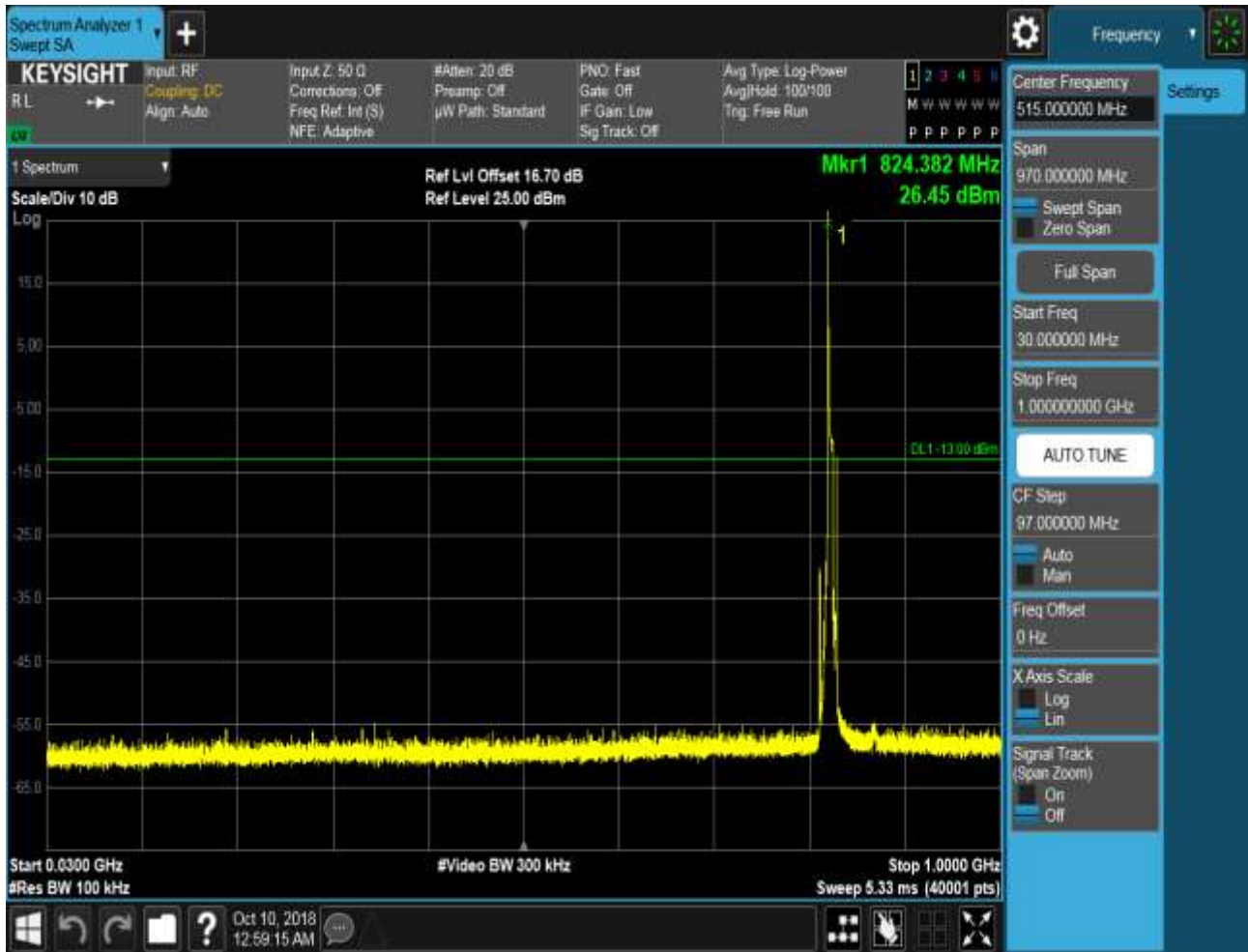
## 6.2.1.1.3 Test Bandwidth = 5

## 6.2.1.1.3.1 Test Channel = LCH

## 6.2.1.1.3.1.1 Test RB = RB1#0







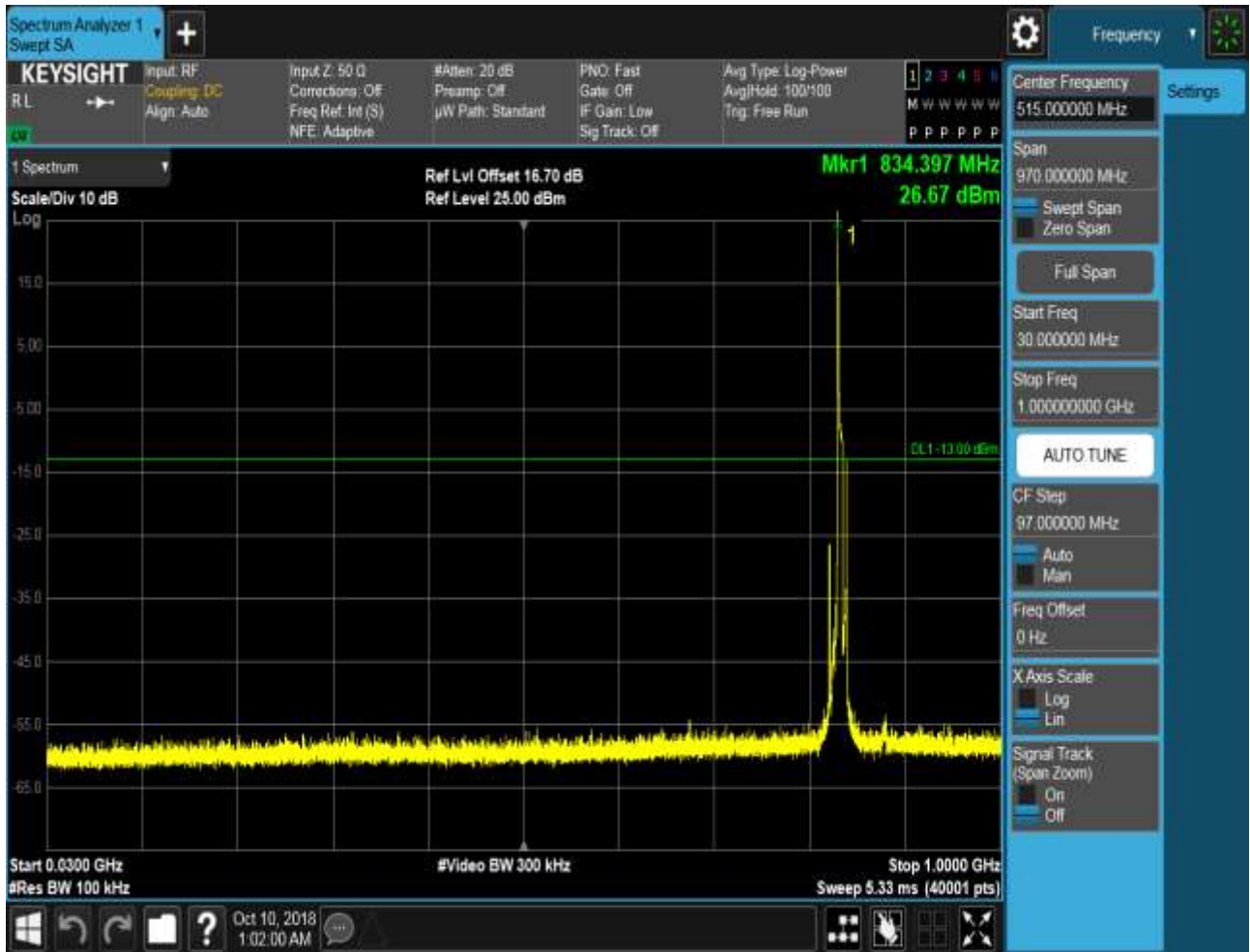


### 6.2.1.1.3.2 Test Channel = MCH

#### 6.2.1.1.3.2.1 Test RB = RB1#0











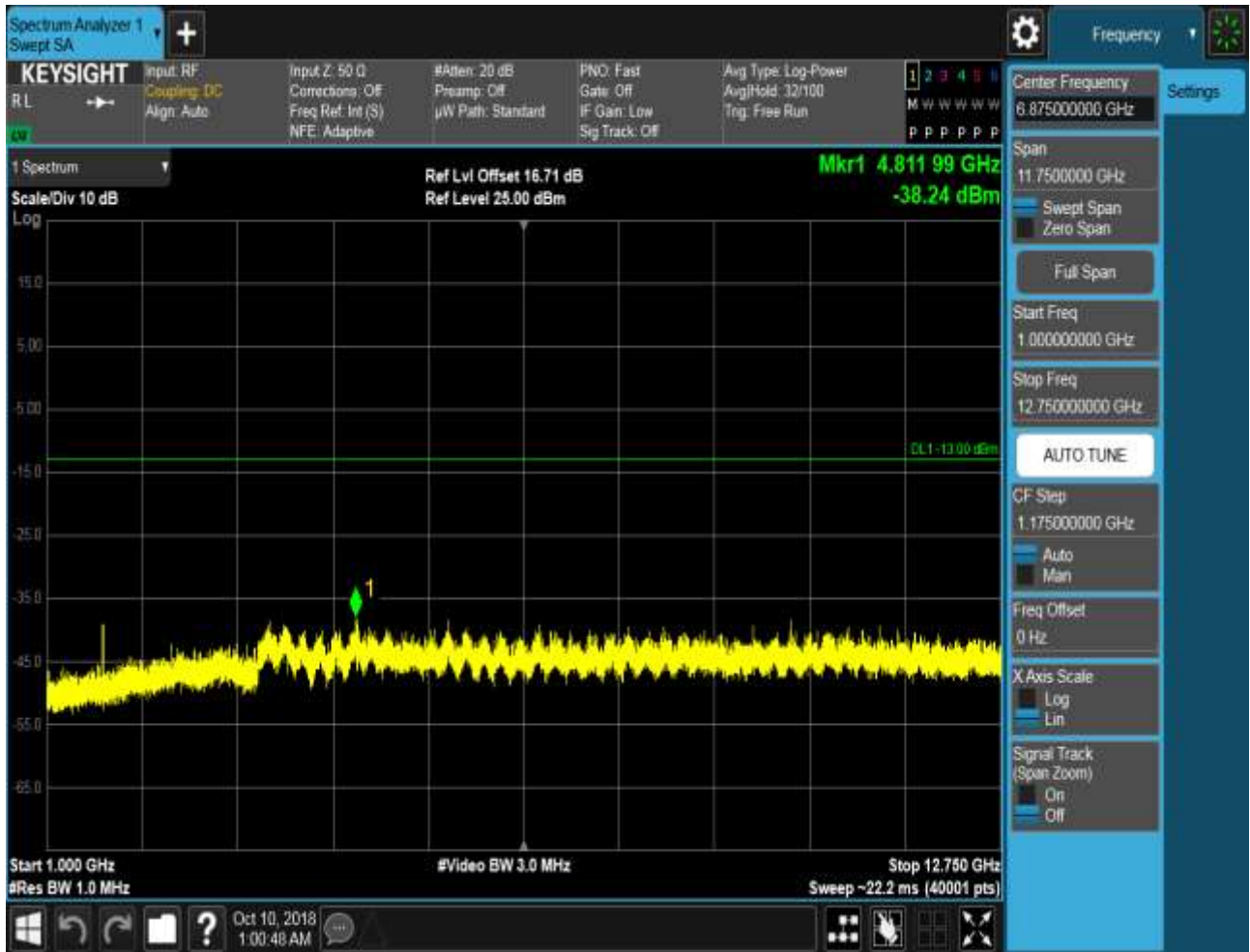
## 6.2.1.1.3.3 Test Channel = HCH

## 6.2.1.1.3.3.1 Test RB = RB1#0











## 6.2.1.1.4 Test Bandwidth = 10

## 6.2.1.1.4.1 Test Channel = LCH

## 6.2.1.1.4.1.1 Test RB = RB1#0











## 6.2.1.1.4.2 Test Channel = MCH

## 6.2.1.1.4.2.1 Test RB = RB1#0











## 6.2.1.1.4.3 Test Channel = HCH

## 6.2.1.1.4.3.1 Test RB = RB1#0









## 6.2.1.2 Test Mode = LTE/TM2

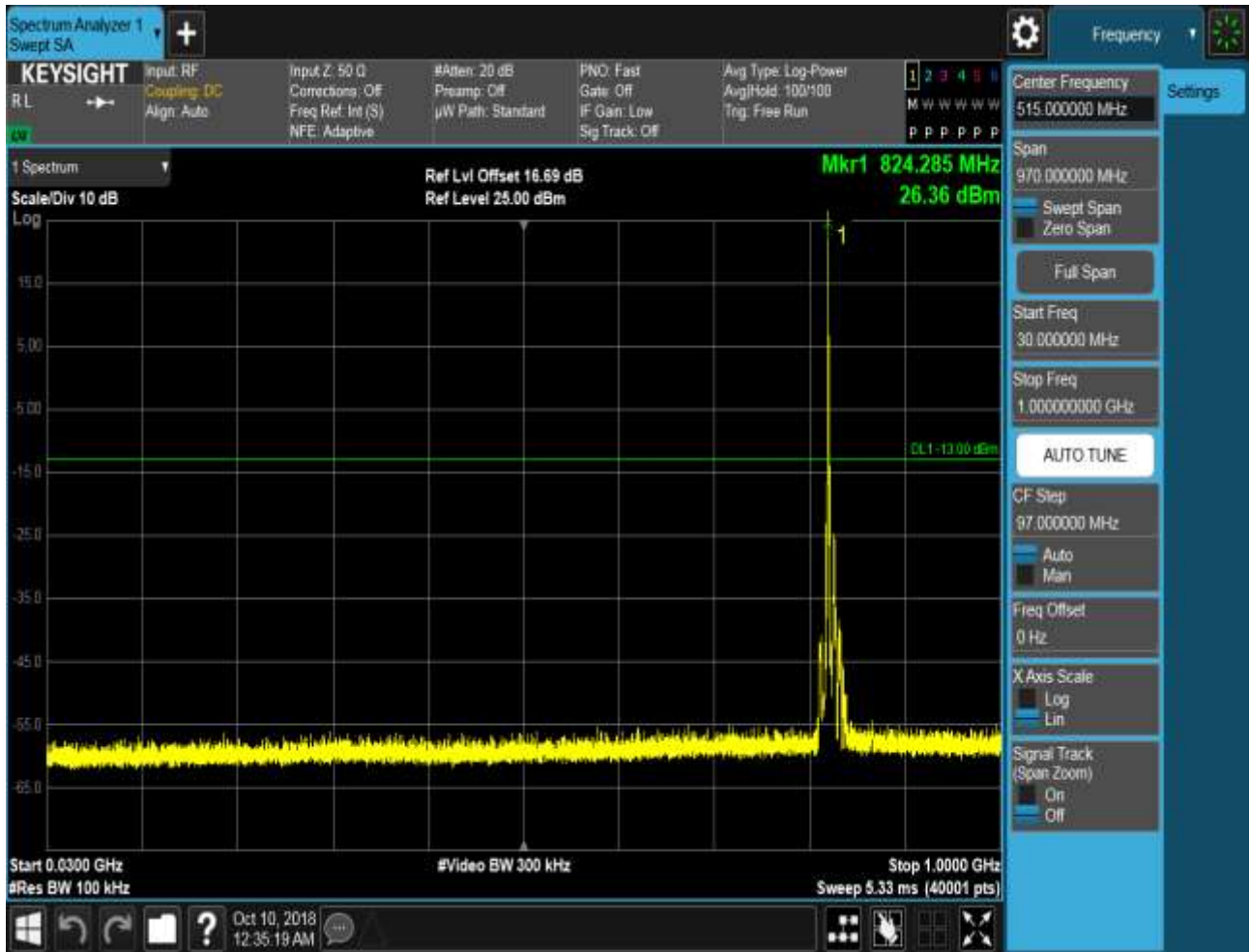
### 6.2.1.2.1 Test Bandwidth = 1.4

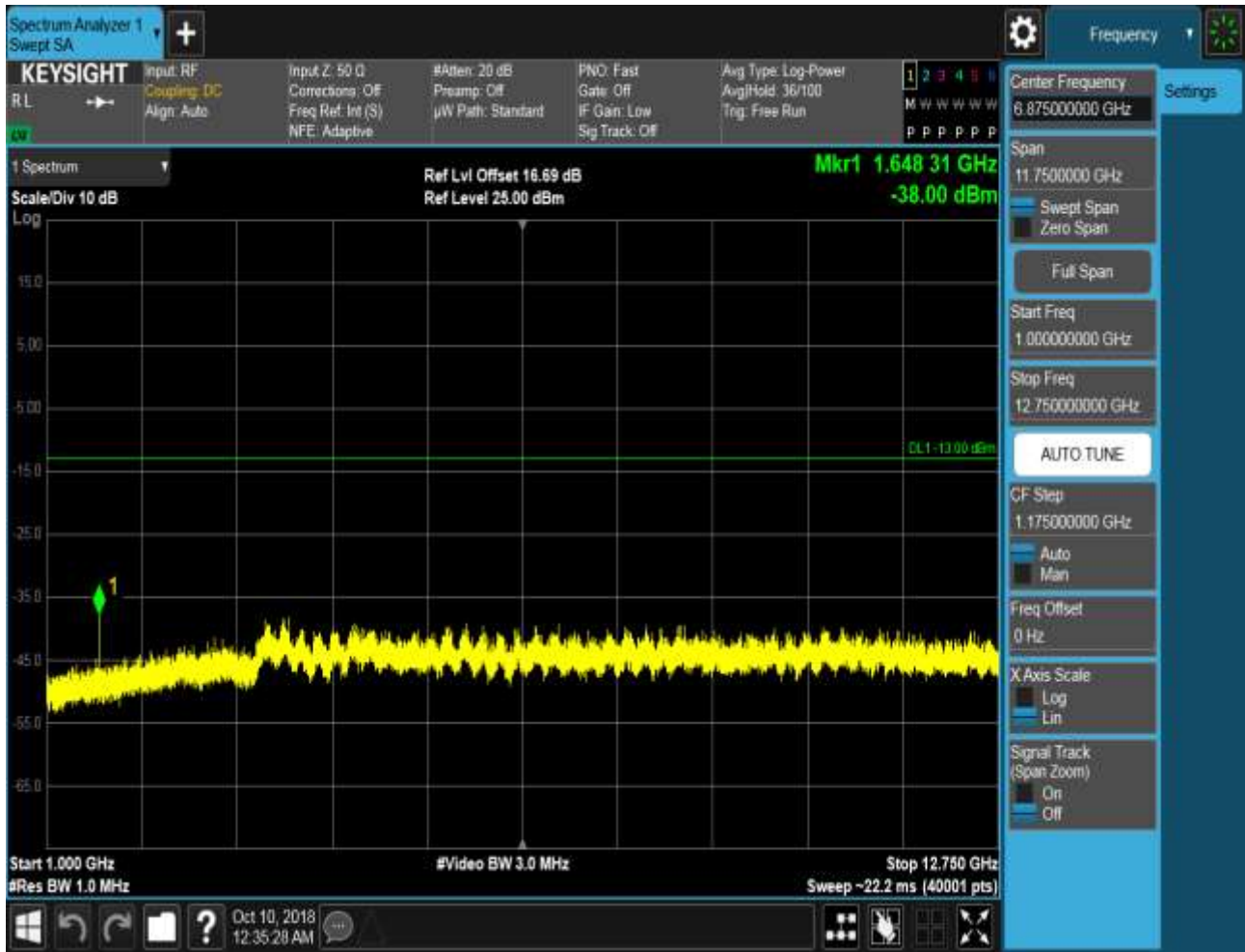
#### 6.2.1.2.1.1 Test Channel = LCH

##### 6.2.1.2.1.1.1 Test RB = RB1#0



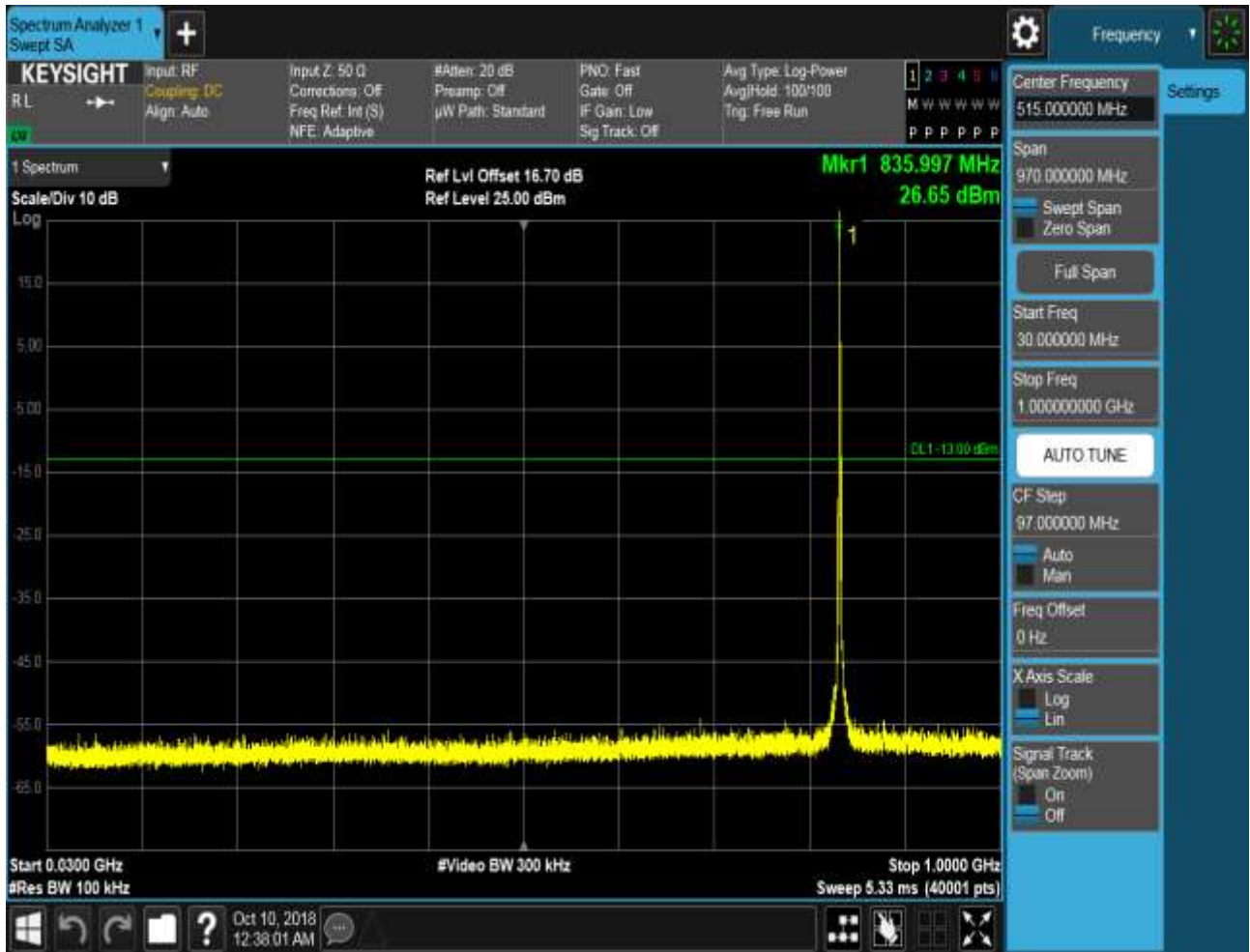


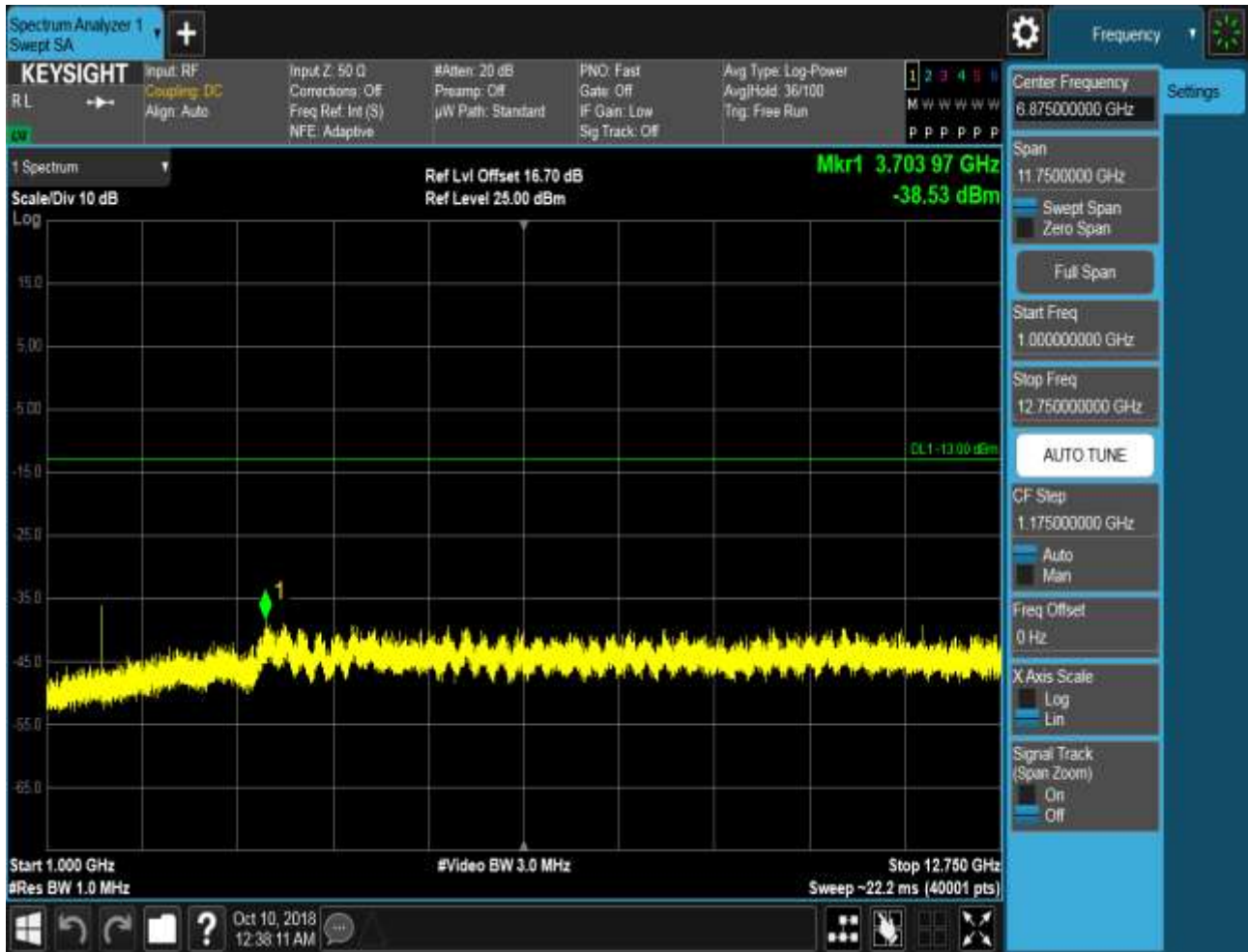














## 6.2.1.2.1.3 Test Channel = HCH

## 6.2.1.2.1.3.1 Test RB = RB1#0









### 6.2.1.2.2 Test Bandwidth = 3

#### 6.2.1.2.2.1 Test Channel = LCH

##### 6.2.1.2.2.1.1 Test RB = RB1#0









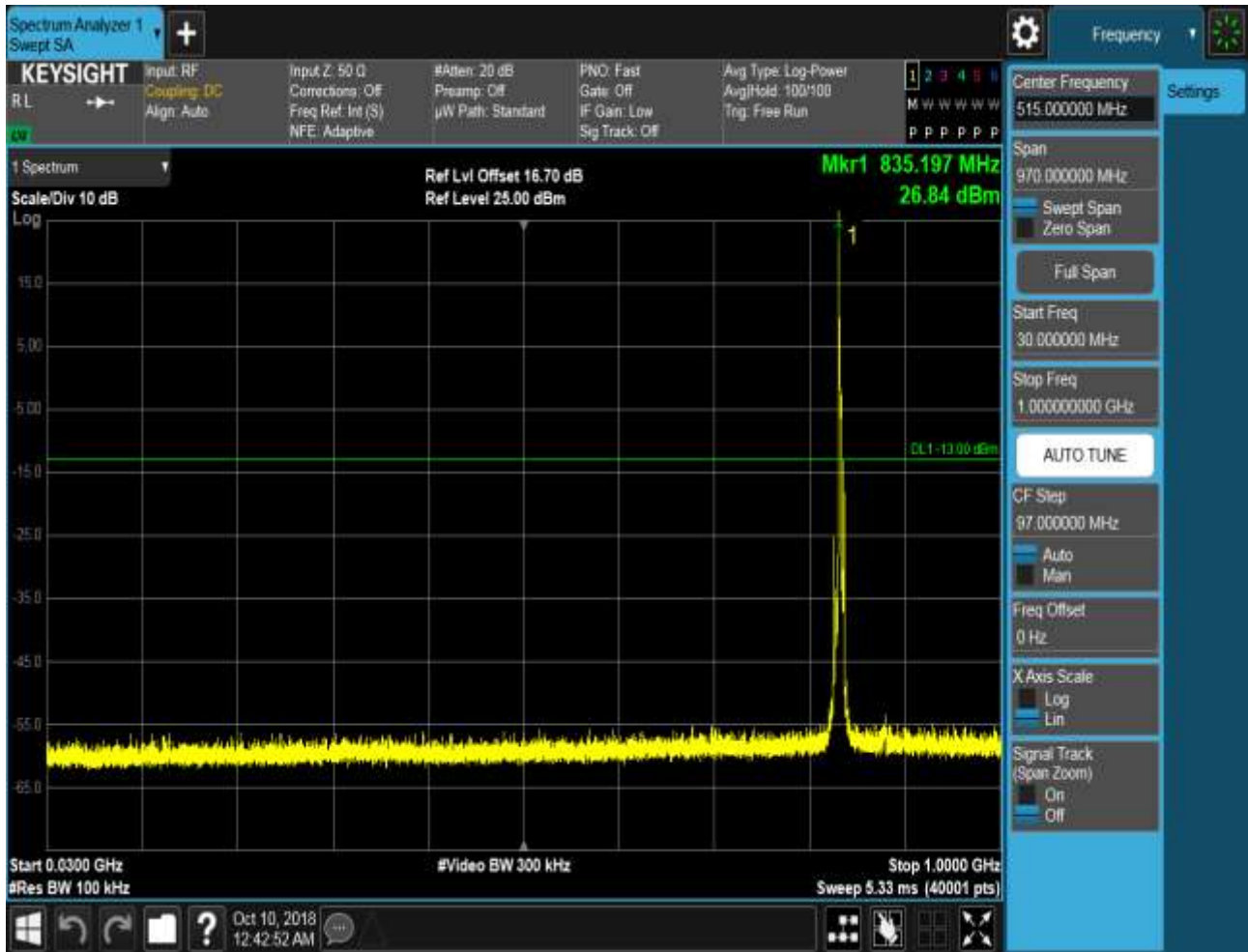


## 6.2.1.2.2.2 Test Channel = MCH

## 6.2.1.2.2.2.1 Test RB = RB1#0











## 6.2.1.2.2.3 Test Channel = HCH

## 6.2.1.2.2.3.1 Test RB = RB1#0











## 6.2.1.2.3 Test Bandwidth = 5

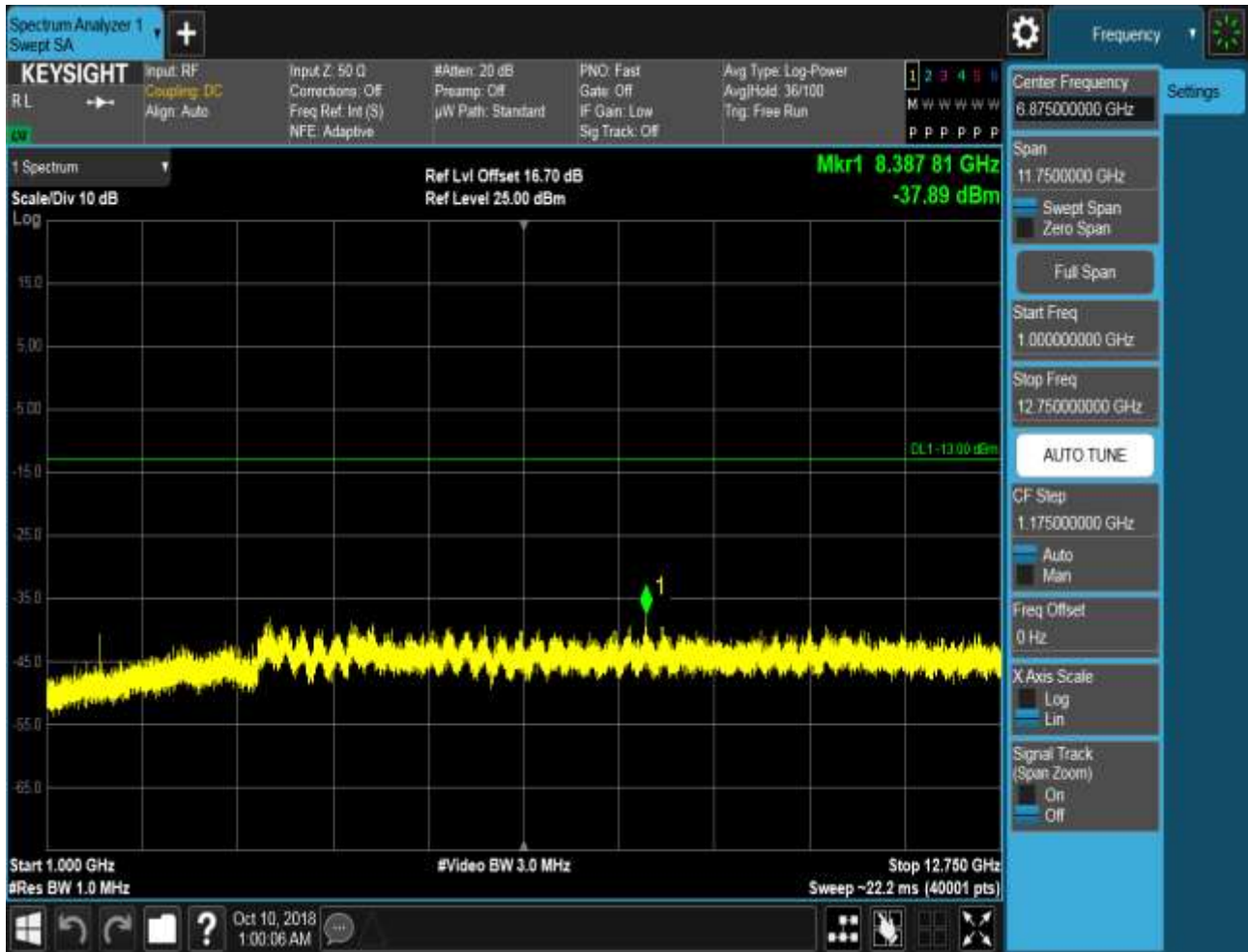
## 6.2.1.2.3.1 Test Channel = LCH

## 6.2.1.2.3.1.1 Test RB = RB1#0









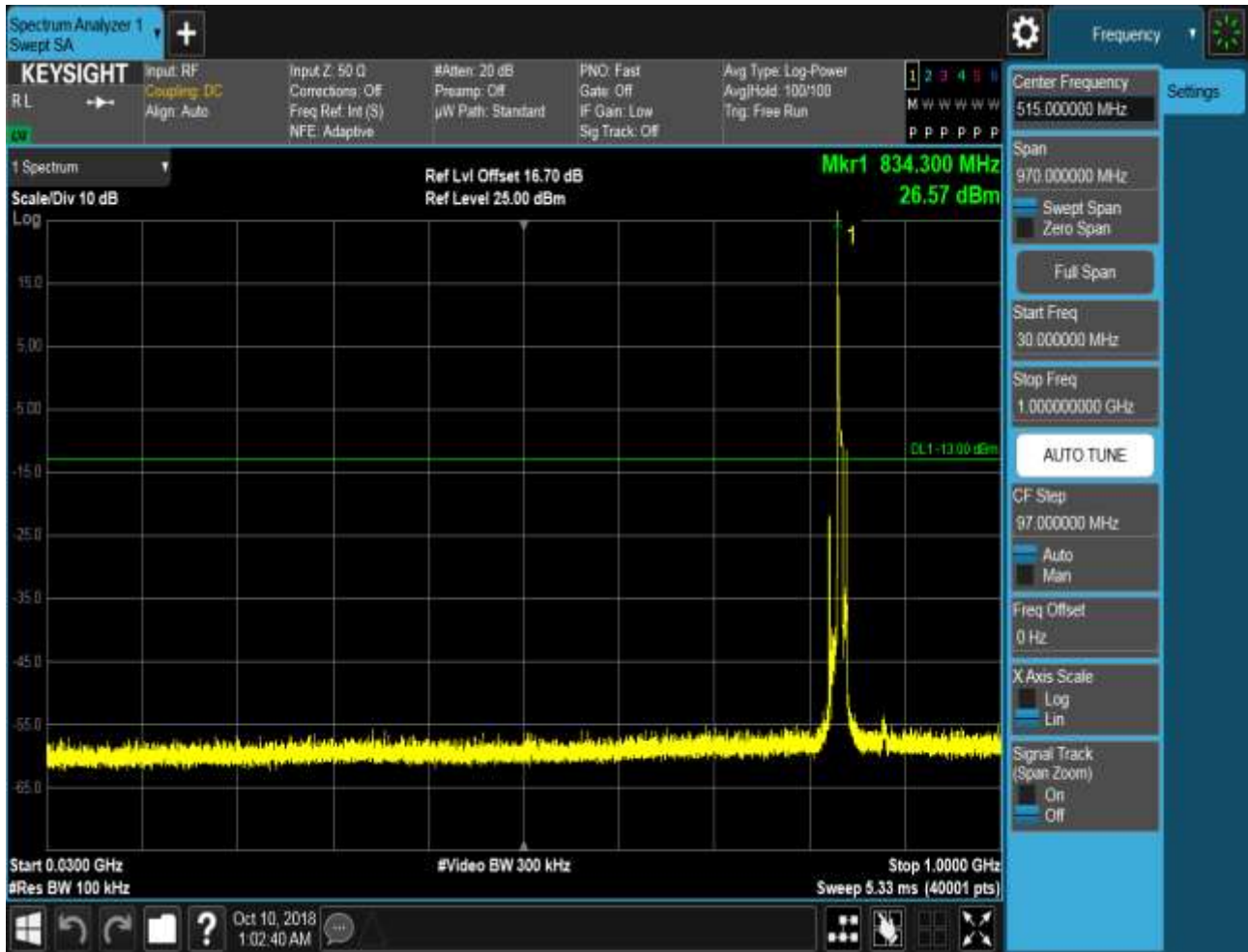


## 6.2.1.2.3.2 Test Channel = MCH

## 6.2.1.2.3.2.1 Test RB = RB1#0









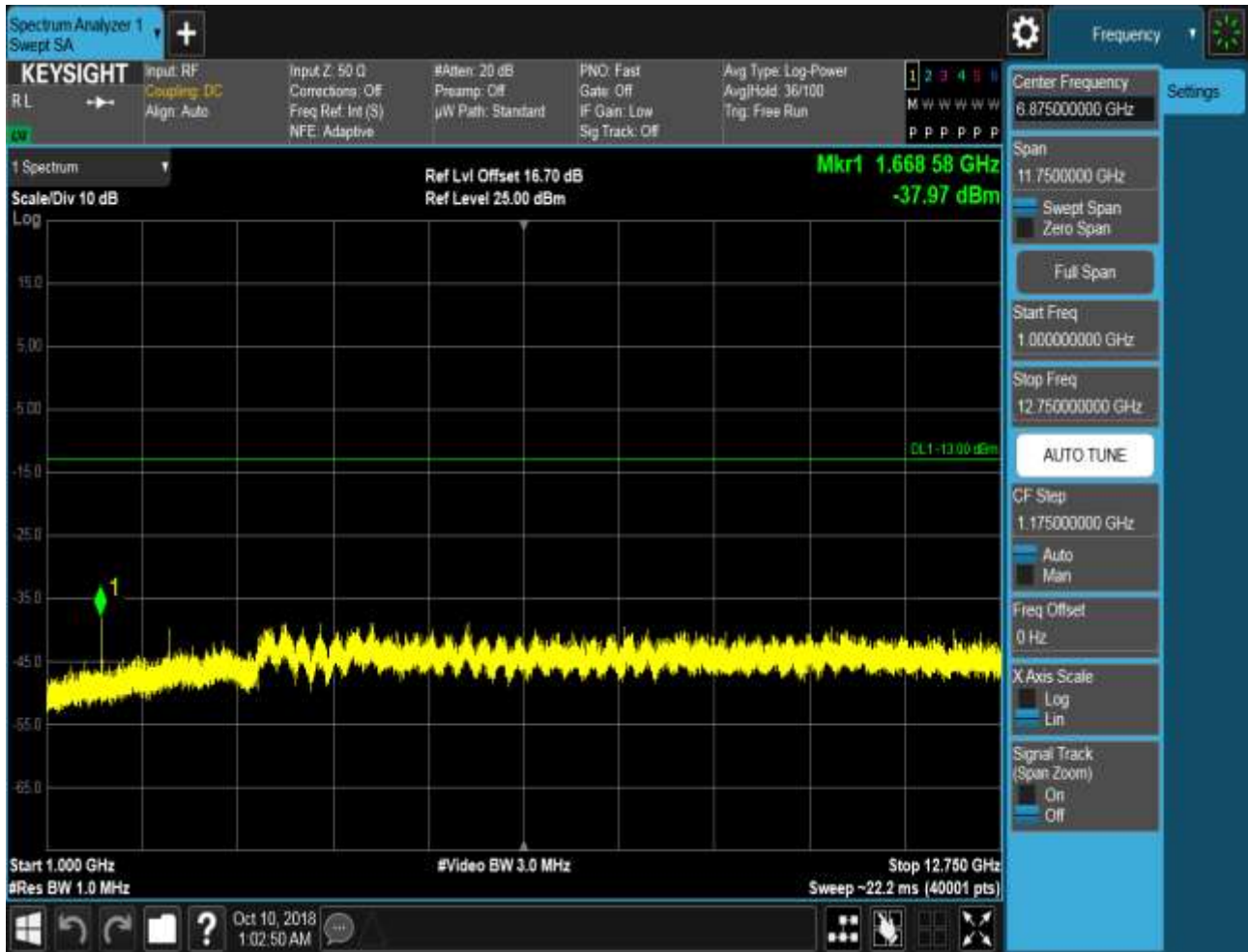
### 6.2.1.2.3.3 Test Channel = HCH

#### 6.2.1.2.3.3.1 Test RB = RB1#0









#### 6.2.1.2.4 Test Bandwidth = 10

##### 6.2.1.2.4.1 Test Channel = LCH

##### 6.2.1.2.4.1.1 Test RB = RB1#0









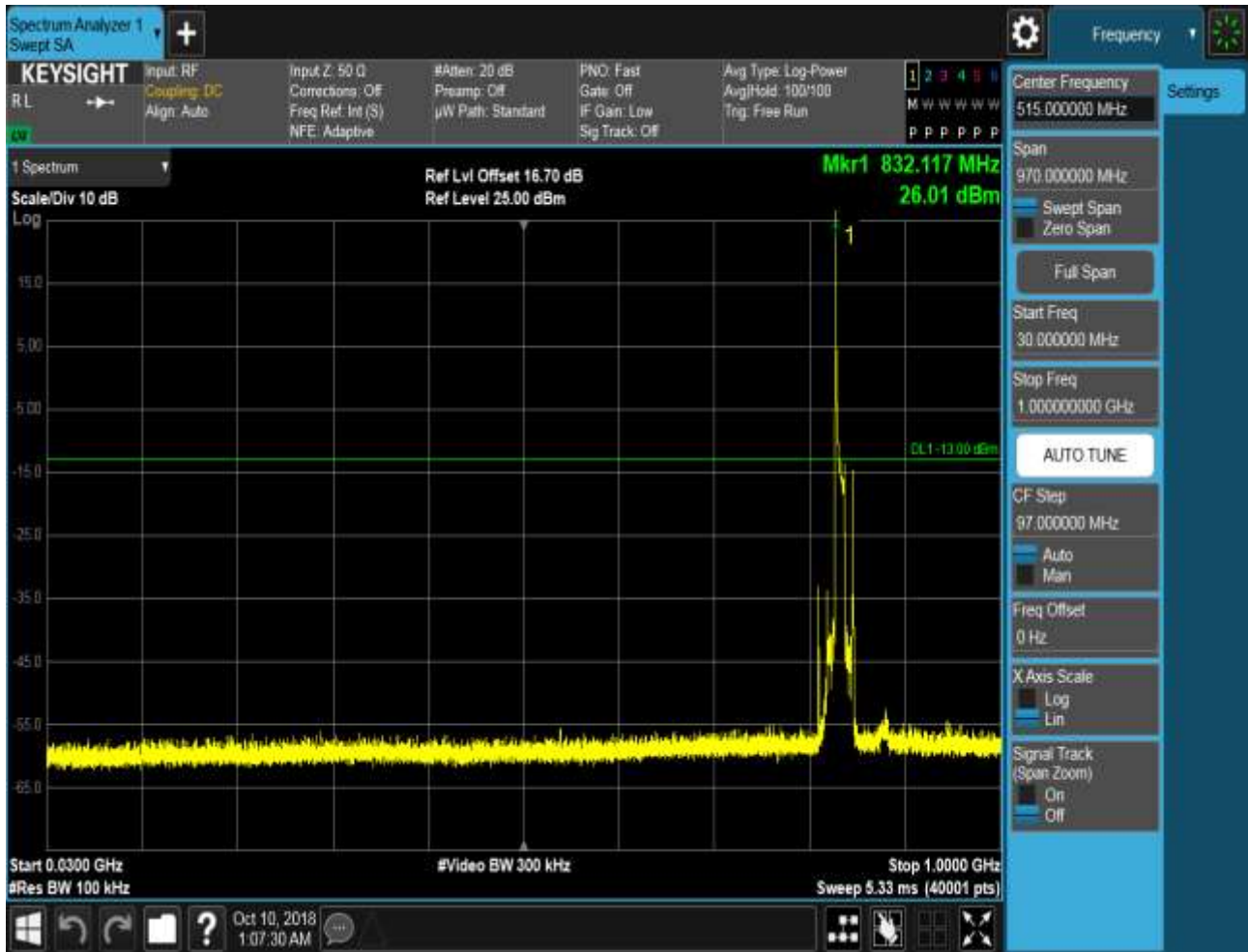


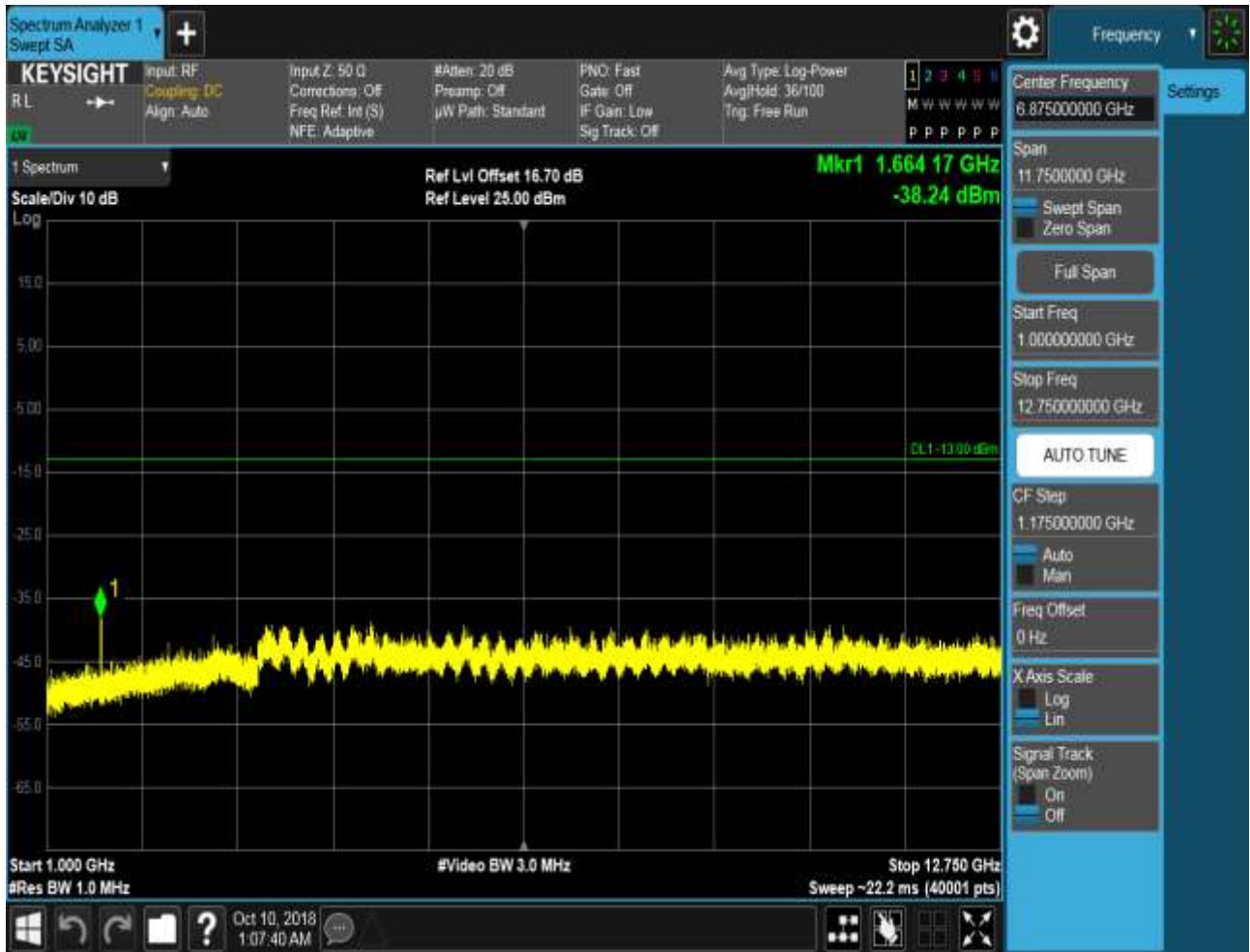
## 6.2.1.2.4.2 Test Channel = MCH

## 6.2.1.2.4.2.1 Test RB = RB1#0











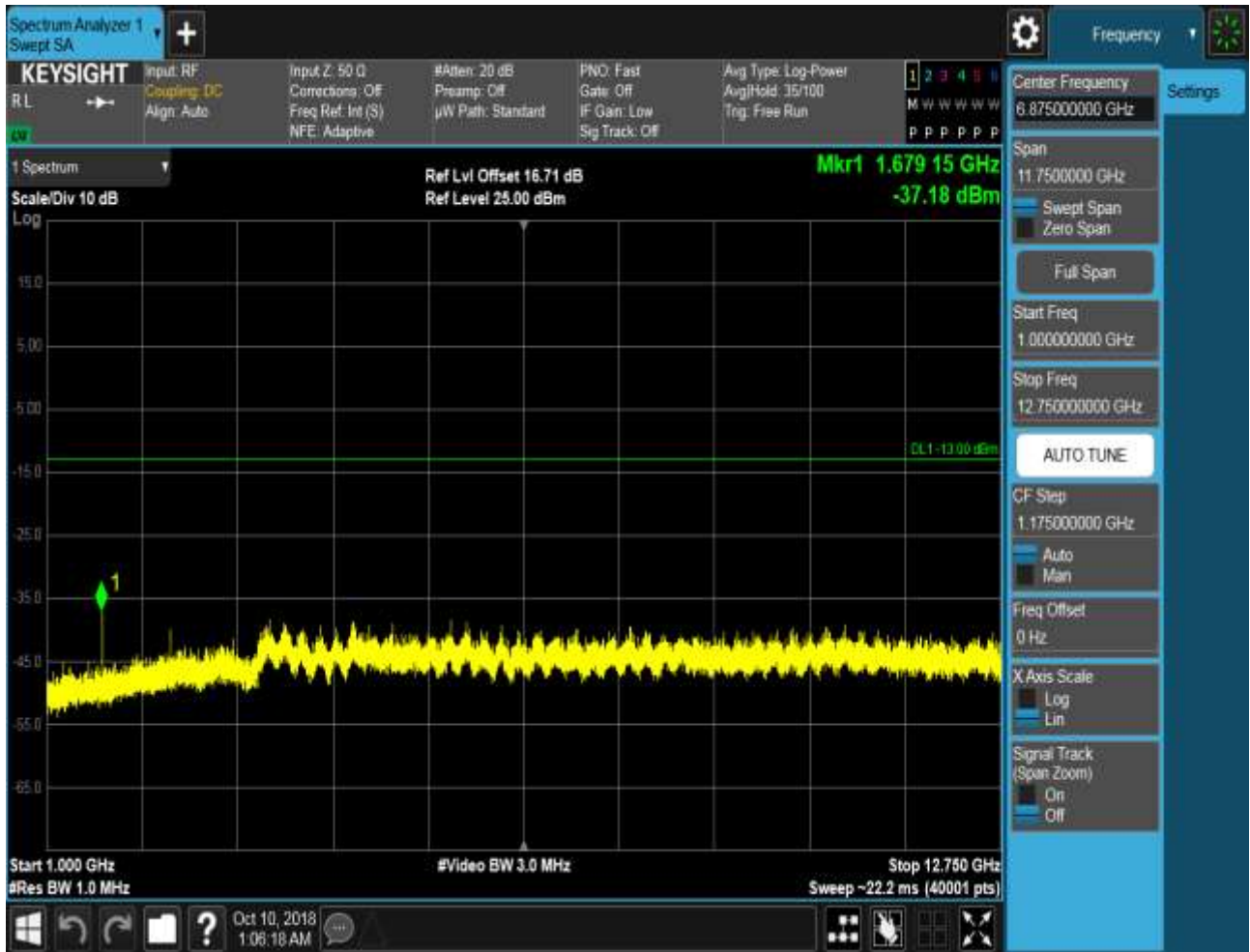
## 6.2.1.2.4.3 Test Channel = HCH

## 6.2.1.2.4.3.1 Test RB = RB1#0









## 7Appendix\_G: Frequency Stability

### 7.1 For LTE

#### 7.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| Band5     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -145.86930       | -0.17688              | PASS    |
|           |           |                      |              |            | VN         | -103.19710       | -0.12513              | PASS    |
|           |           |                      |              |            | VH         | -33.34522        | -0.04043              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 24.64771         | 0.02947               | PASS    |
|           |           |                      |              |            | VN         | -3.66211         | -0.00438              | PASS    |
|           |           |                      |              |            | VH         | 10.05650         | 0.01202               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 5.93662          | 0.00700               | PASS    |
|           |           |                      |              |            | VN         | 5.80788          | 0.00685               | PASS    |
|           |           |                      |              |            | VH         | 4.43459          | 0.00523               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -6.86646         | -0.00832              | PASS    |
|           |           |                      |              |            | VN         | 0.87261          | 0.00106               | PASS    |
|           |           |                      |              |            | VH         | -9.72748         | -0.01178              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.31743         | -0.00277              | PASS    |
|           |           |                      |              |            | VN         | 0.20027          | 0.00024               | PASS    |
|           |           |                      |              |            | VH         | -1.25885         | -0.00150              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.96116          | 0.00349               | PASS    |
|           |           |                      |              |            | VN         | -0.64373         | -0.00076              | PASS    |
|           |           |                      |              |            | VH         | 6.66618          | 0.00787               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -6.93798         | -0.00839              | PASS    |
|           |           |                      |              |            | VN         | -6.10828         | -0.00739              | PASS    |
|           |           |                      |              |            | VH         | -3.27587         | -0.00396              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -9.65595         | -0.01154              | PASS    |
|           |           |                      |              |            | VN         | -4.01974         | -0.00481              | PASS    |
|           |           |                      |              |            | VH         | -4.79221         | -0.00573              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.28882         | -0.00270              | PASS    |
|           |           |                      |              |            | VN         | 0.72956          | 0.00086               | PASS    |
|           |           |                      |              |            | VH         | -0.80109         | -0.00095              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -4.96387         | -0.00599              | PASS    |
|           |           |                      |              |            | VN         | -5.43594         | -0.00656              | PASS    |
|           |           |                      |              |            | VH         | -7.45296         | -0.00899              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -6.75201         | -0.00807              | PASS    |
|           |           |                      |              |            | VN         | -11.61575        | -0.01389              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   |                      | HCH          | TN         | VH         | 1.83106          | 0.00219               | PASS    |
|           |           |                      |              |            | VL         | -0.82970         | -0.00098              | PASS    |
|           |           |                      |              |            | VN         | -1.10149         | -0.00131              | PASS    |
|           |           |                      |              |            | VH         | 6.79493          | 0.00805               | PASS    |
|           |           | 1.4                  | LCH          | TN         | VL         | -100.92260       | -0.12237              | PASS    |
|           |           |                      |              |            | VN         | -249.99620       | -0.30314              | PASS    |
|           |           |                      |              |            | VH         | -110.95050       | -0.13453              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 7.95364          | 0.00951               | PASS    |
|           |           |                      |              |            | VN         | 0.31471          | 0.00038               | PASS    |
|           |           |                      |              |            | VH         | 2.14577          | 0.00257               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 24.51897         | 0.02890               | PASS    |
|           |           |                      |              |            | VN         | 15.72132         | 0.01853               | PASS    |
|           |           |                      |              |            | VH         | 12.13074         | 0.01430               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -89.29253        | -0.10817              | PASS    |
|           |           |                      |              |            | VN         | -6.72340         | -0.00814              | PASS    |
|           |           |                      |              |            | VH         | -1.58787         | -0.00192              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.10014         | -0.00012              | PASS    |
|           |           |                      |              |            | VN         | 0.10014          | 0.00012               | PASS    |
|           |           |                      |              |            | VH         | -2.33173         | -0.00279              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 3.83377          | 0.00452               | PASS    |
|           |           |                      |              |            | VN         | 3.54767          | 0.00419               | PASS    |
|           |           |                      |              |            | VH         | -4.69208         | -0.00554              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -0.50068         | -0.00061              | PASS    |
|           |           |                      |              |            | VN         | -3.49045         | -0.00422              | PASS    |
|           |           |                      |              |            | VH         | -4.94957         | -0.00599              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.01566         | -0.00121              | PASS    |
|           |           |                      |              |            | VN         | -5.26428         | -0.00629              | PASS    |
|           |           |                      |              |            | VH         | -10.77175        | -0.01288              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.65939         | -0.00196              | PASS    |
|           |           |                      |              |            | VN         | -9.61304         | -0.01136              | PASS    |
|           |           |                      |              |            | VH         | -1.33038         | -0.00157              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -3.36170         | -0.00406              | PASS    |
|           |           |                      |              |            | VN         | -0.14305         | -0.00017              | PASS    |
|           |           |                      |              |            | VH         | -3.21865         | -0.00388              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.60489         | -0.00431              | PASS    |
|           |           |                      |              |            | VN         | -7.08103         | -0.00847              | PASS    |
|           |           |                      |              |            | VH         | 2.03133          | 0.00243               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 3.26157          | 0.00386               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -3.24726         | -0.00385              | PASS    |
|           |           |                      |              |            | VH         | -0.90122         | -0.00107              | PASS    |

### 7.1.2 Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| Band5     | LTE/TM1   | 1.4                  | LCH          | VN         | -30       | -79.79393        | -0.09676              | PASS    |
|           |           |                      |              |            | -20       | -66.97655        | -0.08121              | PASS    |
|           |           |                      |              |            | -10       | -104.77070       | -0.12704              | PASS    |
|           |           |                      |              |            | 0         | -11.14368        | -0.01351              | PASS    |
|           |           |                      |              |            | 10        | -21.05713        | -0.02553              | PASS    |
|           |           |                      |              |            | 20        | -103.19710       | -0.12513              | PASS    |
|           |           |                      |              |            | 30        | -158.20030       | -0.19183              | PASS    |
|           |           |                      |              |            | 40        | -140.09000       | -0.16987              | PASS    |
|           |           |                      |              |            | 50        | 1.10149          | 0.00134               | PASS    |
|           |           |                      | MCH          | VN         | -30       | 2.60353          | 0.00311               | PASS    |
|           |           |                      |              |            | -20       | -0.87261         | -0.00104              | PASS    |
|           |           |                      |              |            | -10       | -13.83305        | -0.01654              | PASS    |
|           |           |                      |              |            | 0         | 0.37193          | 0.00044               | PASS    |
|           |           |                      |              |            | 10        | 6.88076          | 0.00823               | PASS    |
|           |           |                      |              |            | 20        | -3.66211         | -0.00438              | PASS    |
|           |           |                      |              |            | 30        | 20.18452         | 0.02413               | PASS    |
|           |           |                      |              |            | 40        | -8.42571         | -0.01007              | PASS    |
|           |           |                      |              |            | 50        | -6.26564         | -0.00749              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 11.02924         | 0.01300               | PASS    |
|           |           |                      |              |            | -20       | 11.57284         | 0.01364               | PASS    |
|           |           |                      |              |            | -10       | -1.73092         | -0.00204              | PASS    |
|           |           |                      |              |            | 0         | -2.28882         | -0.00270              | PASS    |
|           |           |                      |              |            | 10        | -4.53472         | -0.00535              | PASS    |
|           |           |                      |              |            | 20        | 5.80788          | 0.00685               | PASS    |
|           |           |                      |              |            | 30        | 2.80380          | 0.00331               | PASS    |
|           |           |                      |              |            | 40        | 8.94070          | 0.01054               | PASS    |
|           |           |                      |              |            | 50        | 7.39574          | 0.00872               | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -3.83377         | -0.00464              | PASS    |
|           |           |                      |              |            | -20       | -8.86917         | -0.01074              | PASS    |
|           |           |                      |              |            | -10       | 43.77365         | 0.05303               | PASS    |
|           |           |                      |              |            | 0         | 85.34431         | 0.10338               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | 78.67813         | 0.09531               | PASS    |
|           |           |                      |              |            | 20        | 0.87261          | 0.00106               | PASS    |
|           |           |                      |              |            | 30        | 15.33508         | 0.01858               | PASS    |
|           |           |                      |              |            | 40        | -14.40525        | -0.01745              | PASS    |
|           |           |                      |              |            | 50        | -0.95844         | -0.00116              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 1.08719          | 0.00130               | PASS    |
|           |           |                      |              |            | -20       | -1.73092         | -0.00207              | PASS    |
|           |           |                      |              |            | -10       | 2.26021          | 0.00270               | PASS    |
|           |           |                      |              |            | 0         | -0.64373         | -0.00077              | PASS    |
|           |           |                      |              |            | 10        | -1.14441         | -0.00137              | PASS    |
|           |           |                      |              |            | 20        | 0.20027          | 0.00024               | PASS    |
|           |           |                      |              |            | 30        | -0.54359         | -0.00065              | PASS    |
|           |           |                      |              |            | 40        | 0.81539          | 0.00097               | PASS    |
|           |           |                      |              |            | 50        | -3.41892         | -0.00409              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -4.73499         | -0.00559              | PASS    |
|           |           |                      |              |            | -20       | 3.11851          | 0.00368               | PASS    |
|           |           |                      |              |            | -10       | 0.70095          | 0.00083               | PASS    |
|           |           |                      |              |            | 0         | -2.40326         | -0.00284              | PASS    |
|           |           |                      |              |            | 10        | 0.71526          | 0.00084               | PASS    |
|           |           |                      |              |            | 20        | -0.64373         | -0.00076              | PASS    |
|           |           |                      |              |            | 30        | -7.88212         | -0.00930              | PASS    |
|           |           |                      |              |            | 40        | -2.84672         | -0.00336              | PASS    |
|           |           |                      |              |            | 50        | -7.73907         | -0.00913              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | 0.71526          | 0.00084               | PASS    |
|           |           |                      |              |            | -20       | -5.37872         | -0.00651              | PASS    |
|           |           |                      |              |            | -10       | 0.81539          | 0.00097               | PASS    |
|           |           |                      |              |            | 0         | -2.36034         | -0.00286              | PASS    |
|           |           |                      |              |            | 10        | -0.24319         | -0.00029              | PASS    |
|           |           |                      |              |            | 20        | -6.10828         | -0.00739              | PASS    |
|           |           |                      |              |            | 30        | -1.11580         | -0.00135              | PASS    |
|           |           |                      |              |            | 40        | 7.95364          | 0.00962               | PASS    |
|           |           |                      |              |            | 50        | -6.62327         | -0.00801              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.54359         | -0.00065              | PASS    |
|           |           |                      |              |            | -20       | -0.24319         | -0.00029              | PASS    |
|           |           |                      |              |            | -10       | 0.94414          | 0.00113               | PASS    |
|           |           |                      |              |            | 0         | -6.03676         | -0.00722              | PASS    |
|           |           |                      |              |            | 10        | 1.81675          | 0.00217               | PASS    |
|           |           |                      |              |            | 20        | -4.01974         | -0.00481              | PASS    |
|           |           |                      |              |            | 30        | -6.00815         | -0.00718              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | 13.60416         | 0.01626               | PASS    |
|           |           |                      |              |            | 50        | -2.48909         | -0.00298              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 1.78814          | 0.00211               | PASS    |
|           |           |                      |              |            | -20       | -0.15736         | -0.00019              | PASS    |
|           |           |                      |              |            | -10       | 1.91688          | 0.00226               | PASS    |
|           |           |                      |              |            | 0         | 2.84672          | 0.00336               | PASS    |
|           |           |                      |              |            | 10        | -2.13146         | -0.00252              | PASS    |
|           |           |                      |              |            | 20        | 0.72956          | 0.00086               | PASS    |
|           |           |                      |              |            | 30        | -5.57899         | -0.00659              | PASS    |
|           |           |                      |              |            | 40        | 6.32286          | 0.00747               | PASS    |
|           |           |                      |              |            | 50        | 6.95229          | 0.00821               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | 2.64645          | 0.00319               | PASS    |
|           |           |                      |              |            | -20       | -11.67297        | -0.01408              | PASS    |
|           |           |                      |              |            | -10       | -2.57492         | -0.00311              | PASS    |
|           |           |                      |              |            | 0         | 2.37465          | 0.00286               | PASS    |
|           |           |                      |              |            | 10        | 6.03676          | 0.00728               | PASS    |
|           |           |                      |              |            | 20        | -5.43594         | -0.00656              | PASS    |
|           |           |                      |              |            | 30        | -5.42164         | -0.00654              | PASS    |
|           |           |                      |              |            | 40        | -6.70910         | -0.00809              | PASS    |
|           |           |                      |              |            | 50        | -11.60145        | -0.01399              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 2.07424          | 0.00248               | PASS    |
|           |           |                      |              |            | -20       | 19.35482         | 0.02314               | PASS    |
|           |           |                      |              |            | -10       | 4.13418          | 0.00494               | PASS    |
|           |           |                      |              |            | 0         | -2.13146         | -0.00255              | PASS    |
|           |           |                      |              |            | 10        | -19.46926        | -0.02327              | PASS    |
|           |           |                      |              |            | 20        | -11.61575        | -0.01389              | PASS    |
|           |           |                      |              |            | 30        | -0.51498         | -0.00062              | PASS    |
|           |           |                      |              |            | 40        | 1.91688          | 0.00229               | PASS    |
|           |           |                      |              |            | 50        | -3.67641         | -0.00439              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 1.53065          | 0.00181               | PASS    |
|           |           |                      |              |            | -20       | 1.02997          | 0.00122               | PASS    |
|           |           |                      |              |            | -10       | -0.37193         | -0.00044              | PASS    |
|           |           |                      |              |            | 0         | -1.15871         | -0.00137              | PASS    |
|           |           |                      |              |            | 10        | 1.81675          | 0.00215               | PASS    |
|           |           |                      |              |            | 20        | -1.10149         | -0.00131              | PASS    |
|           |           |                      |              |            | 30        | -6.55174         | -0.00776              | PASS    |
|           |           |                      |              |            | 40        | 0.58651          | 0.00069               | PASS    |
|           |           |                      |              |            | 50        | -2.97546         | -0.00353              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30       | -120.14870       | -0.14569              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -167.98500       | -0.20369              | PASS    |
|           |           |                      |              |            | -10       | -157.49930       | -0.19098              | PASS    |
|           |           |                      |              |            | 0         | -73.58551        | -0.08923              | PASS    |
|           |           |                      |              |            | 10        | 10.27107         | 0.01245               | PASS    |
|           |           |                      |              |            | 20        | -249.99620       | -0.30314              | PASS    |
|           |           |                      |              |            | 30        | -107.96070       | -0.13091              | PASS    |
|           |           |                      |              |            | 40        | -57.89280        | -0.07020              | PASS    |
|           |           |                      |              |            | 50        | -3.23296         | -0.00392              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -10.49995        | -0.01255              | PASS    |
|           |           |                      |              |            | -20       | -4.44889         | -0.00532              | PASS    |
|           |           |                      |              |            | -10       | 1.91688          | 0.00229               | PASS    |
|           |           |                      |              |            | 0         | -10.01358        | -0.01197              | PASS    |
|           |           |                      |              |            | 10        | 0.77248          | 0.00092               | PASS    |
|           |           |                      |              |            | 20        | 0.31471          | 0.00038               | PASS    |
|           |           |                      |              |            | 30        | -6.60896         | -0.00790              | PASS    |
|           |           |                      |              |            | 40        | -5.02109         | -0.00600              | PASS    |
|           |           |                      |              |            | 50        | -1.74522         | -0.00209              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -4.04835         | -0.00477              | PASS    |
|           |           |                      |              |            | -20       | 9.12666          | 0.01076               | PASS    |
|           |           |                      |              |            | -10       | 12.41684         | 0.01464               | PASS    |
|           |           |                      |              |            | 0         | 6.43730          | 0.00759               | PASS    |
|           |           |                      |              |            | 10        | 7.61032          | 0.00897               | PASS    |
|           |           |                      |              |            | 20        | 15.72132         | 0.01853               | PASS    |
|           |           |                      |              |            | 30        | 6.26564          | 0.00739               | PASS    |
|           |           |                      |              |            | 40        | -7.75337         | -0.00914              | PASS    |
|           |           |                      |              |            | 50        | -21.81530        | -0.02572              | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -3.86238         | -0.00468              | PASS    |
|           |           |                      |              |            | -20       | -7.16686         | -0.00868              | PASS    |
|           |           |                      |              |            | -10       | -3.57628         | -0.00433              | PASS    |
|           |           |                      |              |            | 0         | -3.20435         | -0.00388              | PASS    |
|           |           |                      |              |            | 10        | 8.23975          | 0.00998               | PASS    |
|           |           |                      |              |            | 20        | -6.72340         | -0.00814              | PASS    |
|           |           |                      |              |            | 30        | -0.90122         | -0.00109              | PASS    |
|           |           |                      |              |            | 40        | 1.05858          | 0.00128               | PASS    |
|           |           |                      | MCH          | VN         | 50        | -6.68049         | -0.00809              | PASS    |
|           |           |                      |              |            | -30       | 3.69072          | 0.00441               | PASS    |
|           |           |                      |              |            | -20       | 4.82082          | 0.00576               | PASS    |
|           |           |                      |              |            | -10       | -1.60217         | -0.00192              | PASS    |
|           |           |                      |              |            | 0         | 1.94550          | 0.00233               | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | 1.53065          | 0.00183               | PASS    |
|           |           |                      |              |            | 20        | 0.10014          | 0.00012               | PASS    |
|           |           |                      |              |            | 30        | 5.73635          | 0.00686               | PASS    |
|           |           |                      |              |            | 40        | -2.91824         | -0.00349              | PASS    |
|           |           |                      |              |            | 50        | 1.05858          | 0.00127               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -7.75337         | -0.00915              | PASS    |
|           |           |                      |              |            | -20       | -8.61168         | -0.01016              | PASS    |
|           |           |                      |              |            | -10       | -11.01494        | -0.01300              | PASS    |
|           |           |                      |              |            | 0         | 0.72956          | 0.00086               | PASS    |
|           |           |                      |              |            | 10        | 3.94821          | 0.00466               | PASS    |
|           |           |                      |              |            | 20        | 3.54767          | 0.00419               | PASS    |
|           |           |                      |              |            | 30        | -2.03133         | -0.00240              | PASS    |
|           |           |                      |              |            | 40        | -4.33445         | -0.00511              | PASS    |
|           |           |                      |              |            | 50        | -0.30041         | -0.00035              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | -2.91824         | -0.00349              | PASS    |
|           |           |                      |              |            | -20       | -9.74178         | -0.01179              | PASS    |
|           |           |                      |              |            | -10       | -1.48773         | -0.00176              | PASS    |
|           |           |                      |              |            | 0         | -8.59737         | -0.01040              | PASS    |
|           |           |                      |              |            | 10        | 0.37193          | 0.00044               | PASS    |
|           |           |                      |              |            | 20        | -3.49045         | -0.00422              | PASS    |
|           |           |                      |              |            | 30        | 1.98841          | 0.00241               | PASS    |
|           |           |                      |              |            | 40        | -11.48701        | -0.01390              | PASS    |
|           |           |                      |              |            | 50        | -3.94821         | -0.00478              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 5.33581          | 0.00638               | PASS    |
|           |           |                      |              |            | -20       | 1.05858          | 0.00127               | PASS    |
|           |           |                      |              |            | -10       | -3.13282         | -0.00375              | PASS    |
|           |           |                      |              |            | 0         | -1.78814         | -0.00214              | PASS    |
|           |           |                      |              |            | 10        | 7.91073          | 0.00946               | PASS    |
|           |           |                      |              |            | 20        | -5.26428         | -0.00629              | PASS    |
|           |           |                      |              |            | 30        | 0.37193          | 0.00044               | PASS    |
|           |           |                      |              |            | 40        | -2.70367         | -0.00323              | PASS    |
|           |           |                      |              |            | 50        | 1.33038          | 0.00159               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.48773         | -0.00176              | PASS    |
|           |           |                      |              |            | -20       | -0.61512         | -0.00073              | PASS    |
|           |           |                      |              |            | -10       | 4.79221          | 0.00566               | PASS    |
|           |           |                      |              |            | 0         | 2.53200          | 0.00299               | PASS    |
|           |           |                      |              |            | 10        | -2.93255         | -0.00346              | PASS    |
|           |           |                      |              |            | 20        | -9.61304         | -0.01136              | PASS    |
|           |           |                      |              |            | 30        | -4.86374         | -0.00575              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -1.37329         | -0.00162              | PASS    |
|           |           |                      |              |            | 50        | 12.37392         | 0.01462               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | 1.23024          | 0.00148               | PASS    |
|           |           |                      |              |            | -20       | -6.62327         | -0.00799              | PASS    |
|           |           |                      |              |            | -10       | 6.82354          | 0.00823               | PASS    |
|           |           |                      |              |            | 0         | -12.05921        | -0.01455              | PASS    |
|           |           |                      |              |            | 10        | -5.67913         | -0.00685              | PASS    |
|           |           |                      |              |            | 20        | -0.14305         | -0.00017              | PASS    |
|           |           |                      |              |            | 30        | -7.33852         | -0.00885              | PASS    |
|           |           |                      |              |            | 40        | -11.94477        | -0.01441              | PASS    |
|           |           |                      |              |            | 50        | -11.74450        | -0.01417              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -5.55039         | -0.00664              | PASS    |
|           |           |                      |              |            | -20       | 15.56396         | 0.01861               | PASS    |
|           |           |                      |              |            | -10       | -4.46320         | -0.00534              | PASS    |
|           |           |                      |              |            | 0         | -11.95908        | -0.01430              | PASS    |
|           |           |                      |              |            | 10        | -4.49181         | -0.00537              | PASS    |
|           |           |                      |              |            | 20        | -7.08103         | -0.00847              | PASS    |
|           |           |                      |              |            | 30        | 5.86510          | 0.00701               | PASS    |
|           |           |                      |              |            | 40        | 3.20435          | 0.00383               | PASS    |
|           |           |                      |              |            | 50        | -2.84672         | -0.00340              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -0.14305         | -0.00017              | PASS    |
|           |           |                      |              |            | -20       | -6.17981         | -0.00732              | PASS    |
|           |           |                      |              |            | -10       | -4.89235         | -0.00580              | PASS    |
|           |           |                      |              |            | 0         | -3.36170         | -0.00398              | PASS    |
|           |           |                      |              |            | 10        | -1.08719         | -0.00129              | PASS    |
|           |           |                      |              |            | 20        | -3.24726         | -0.00385              | PASS    |
|           |           |                      |              |            | 30        | -0.84400         | -0.00100              | PASS    |
|           |           |                      |              |            | 40        | -2.83241         | -0.00336              | PASS    |
|           |           |                      |              |            | 50        | -1.13010         | -0.00134              | PASS    |

END