



## 6.2.1.1.1.3 Test Channel = HCH

## 6.2.1.1.1.3.1 Test RB = RB1#0







### 6.2.1.1.2 Test Bandwidth = 10

#### 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 = 15

#### 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 = 20

## 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







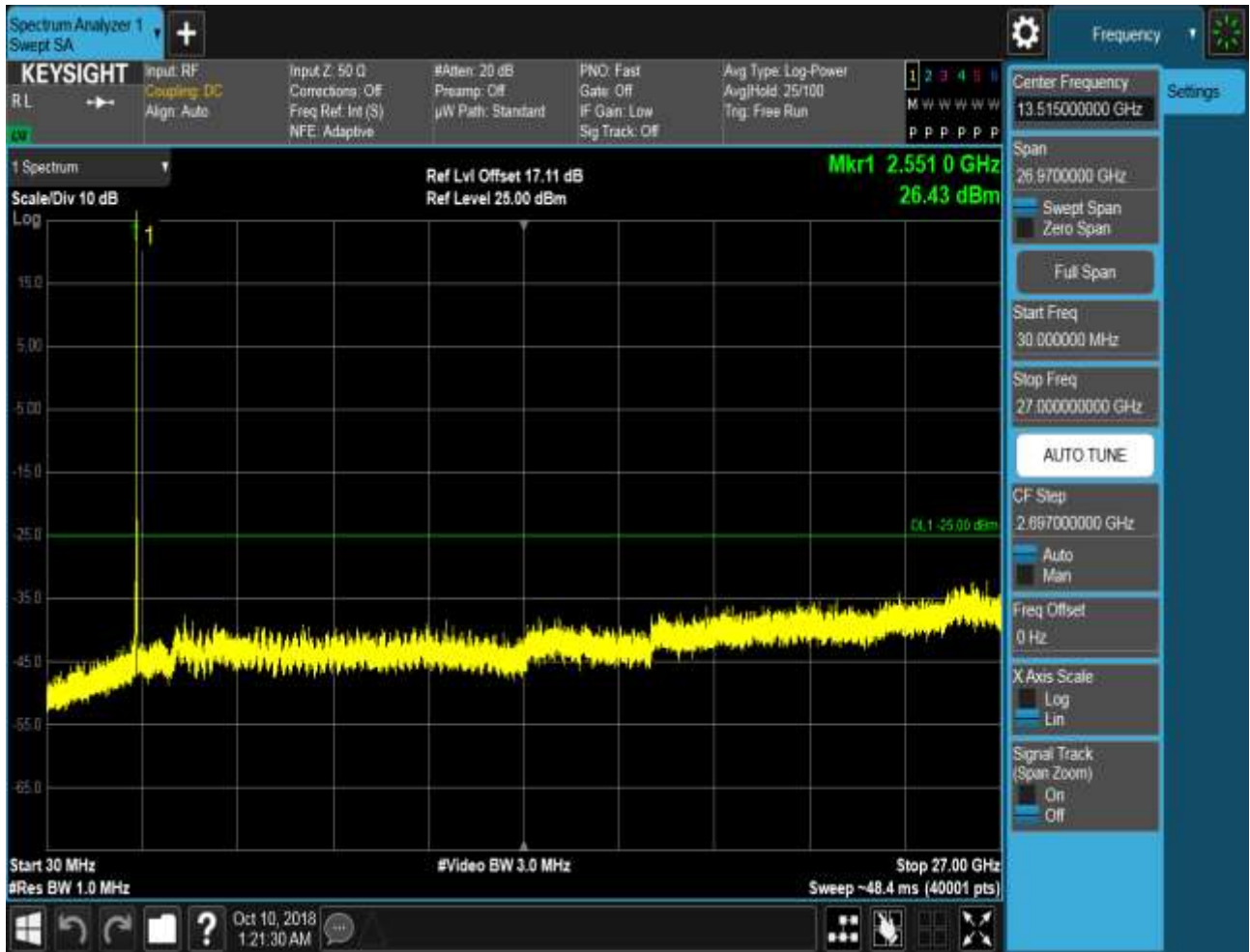


#### 6.2.1.1.4.3 Test Channel = HCH

##### 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 = 5

## 6.2.1.2.1.1 Test Channel = LCH

## 6.2.1.2.1.1.1 Test RB = RB1#0







### 6.2.1.2.1.2 Test Channel = MCH

#### 6.2.1.2.1.2.1 Test RB = RB1#0









### 6.2.1.2.1.3 Test Channel = HCH

#### 6.2.1.2.1.3.1 Test RB = RB1#0









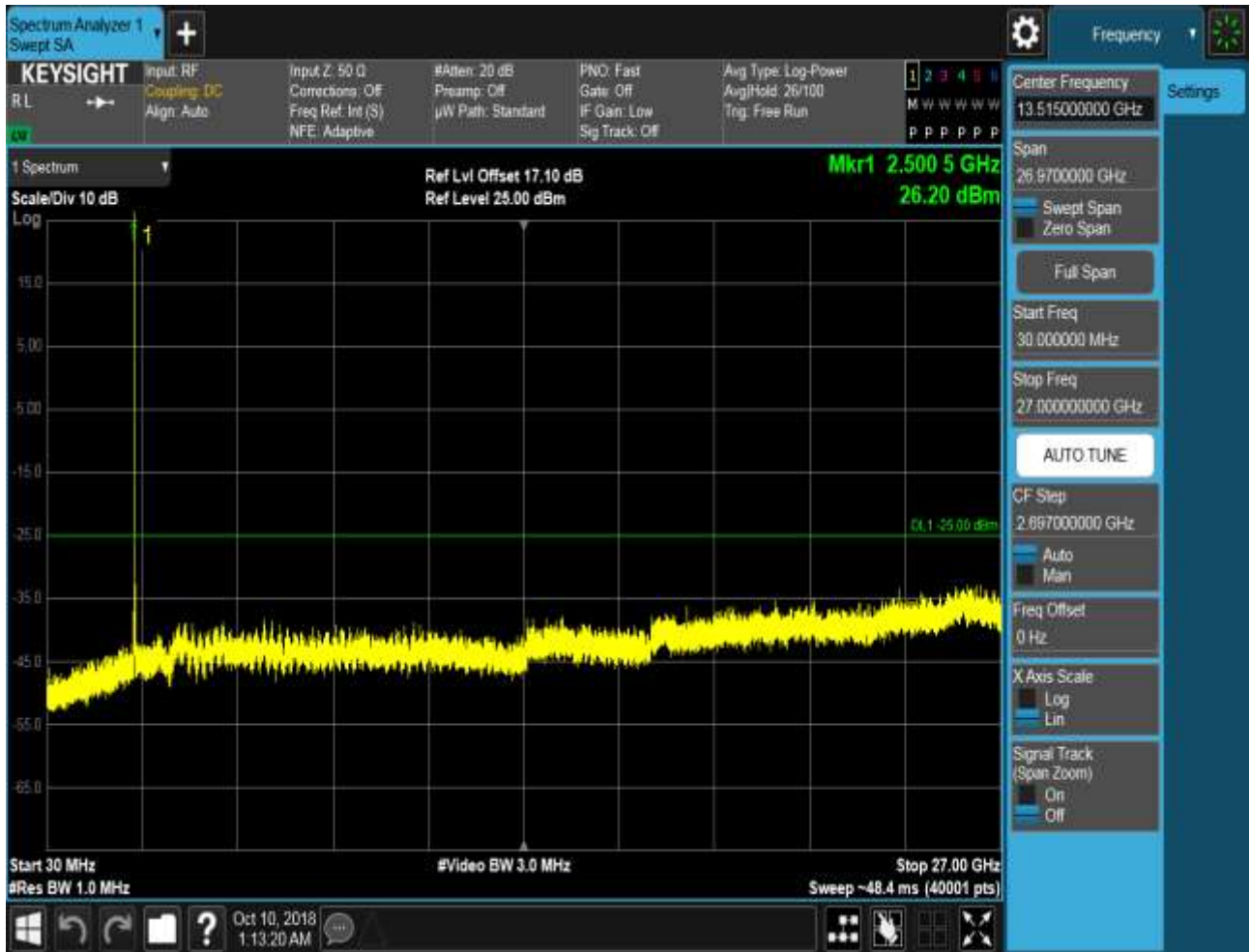
## 6.2.1.2.2 Test Bandwidth = 10

## 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







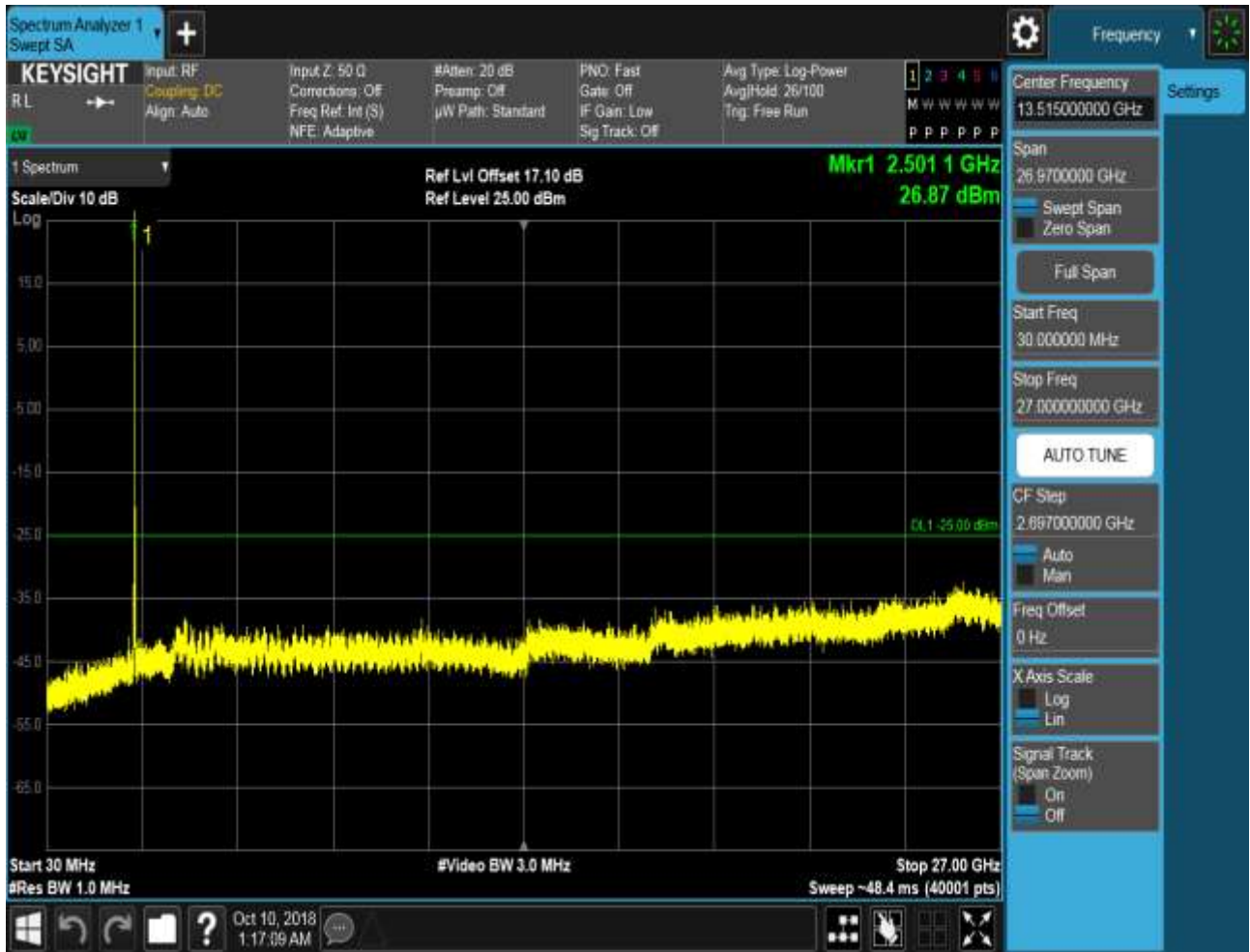
### 6.2.1.2.3 Test Bandwidth = 15

#### 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

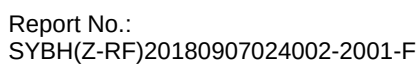








#### 6.2.1.2.3.3.1 Test RB = RB1#0





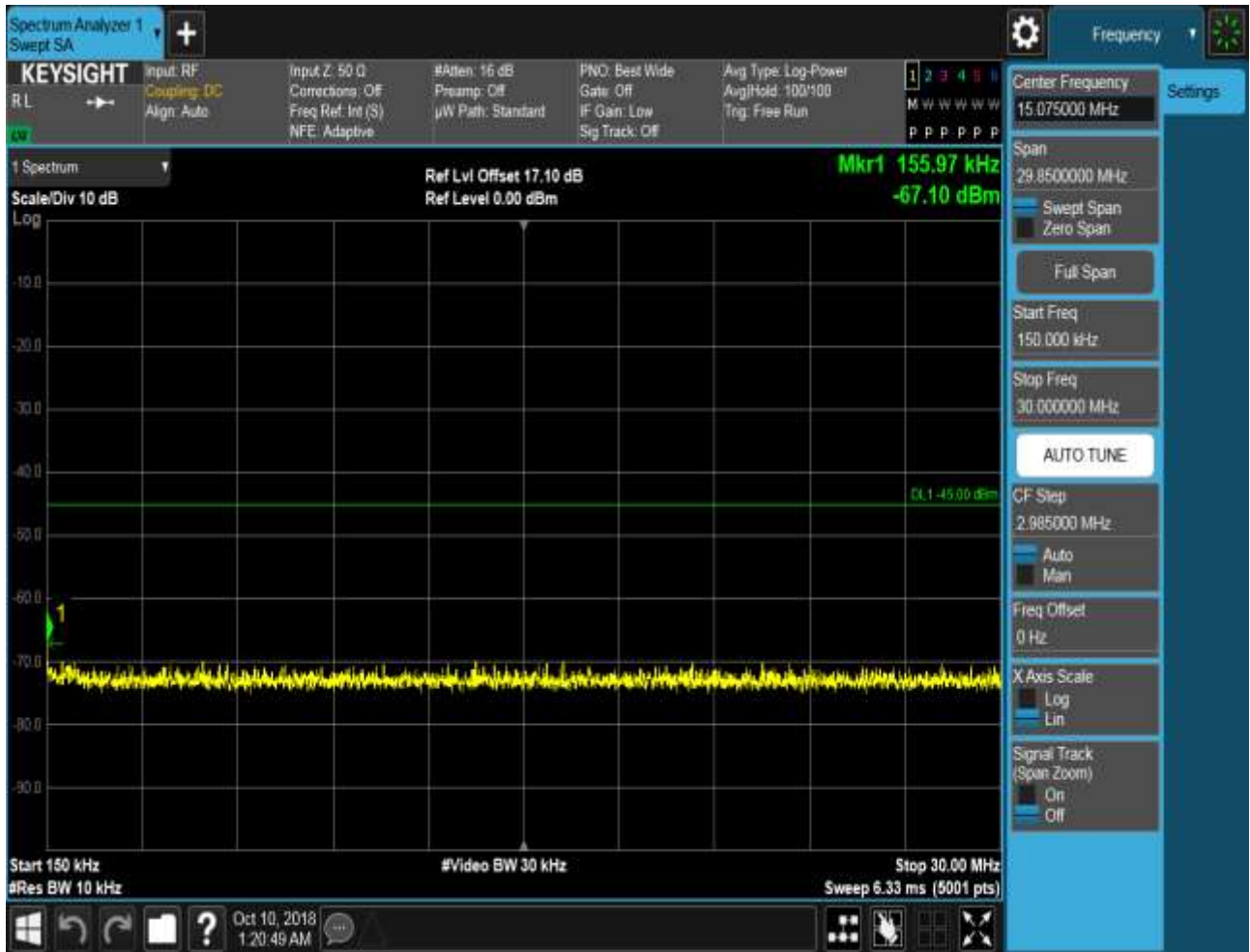


#### 6.2.1.2.4 Test Bandwidth = 20

##### 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





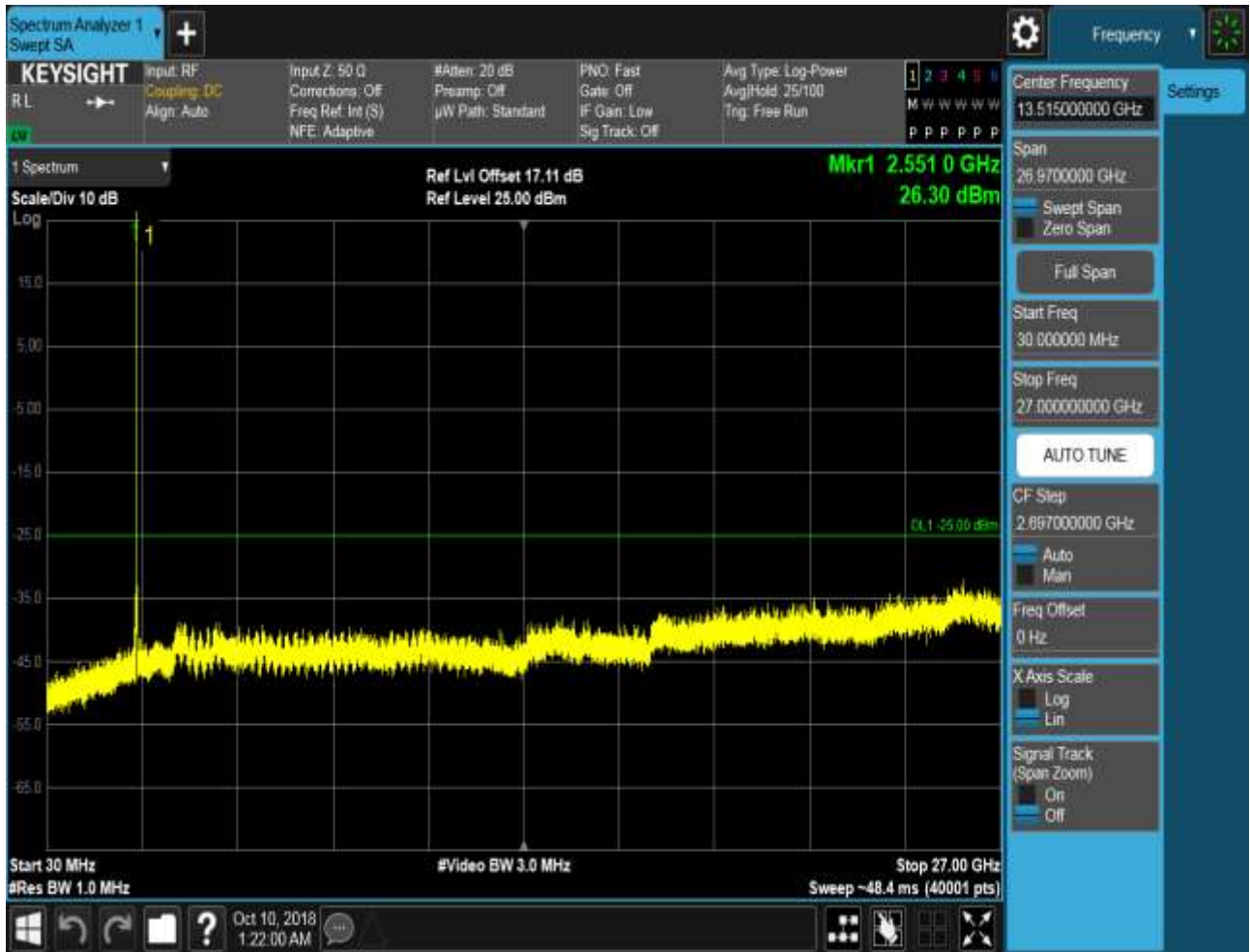


#### 6.2.1.2.4.3 Test Channel = HCH

##### 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| Band7     | LTE/TM1   | 5                    | LCH          | TN         | VL         | -80.86681        | -0.03231              | PASS    |
|           |           |                      |              |            | VN         | -49.93916        | -0.01996              | PASS    |
|           |           |                      |              |            | VH         | -12.33101        | -0.00493              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -48.65170        | -0.01919              | PASS    |
|           |           |                      |              |            | VN         | -13.54694        | -0.00534              | PASS    |
|           |           |                      |              |            | VH         | -6.49452         | -0.00256              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -43.80226        | -0.01706              | PASS    |
|           |           |                      |              |            | VN         | -26.03531        | -0.01014              | PASS    |
|           |           |                      |              |            | VH         | -48.05088        | -0.01872              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -6.17981         | -0.00241              | PASS    |
|           |           |                      |              |            | VN         | -23.00262        | -0.00918              | PASS    |
|           |           |                      |              |            | VH         | -28.36704        | -0.01106              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -30.34115        | -0.01197              | PASS    |
|           |           |                      |              |            | VN         | -28.12386        | -0.01109              | PASS    |
|           |           |                      |              |            | VH         | -17.79556        | -0.00702              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -38.23757        | -0.01491              | PASS    |
|           |           |                      |              |            | VN         | -11.12938        | -0.00434              | PASS    |
|           |           |                      |              |            | VH         | -28.36704        | -0.01106              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -13.77583        | -0.00549              | PASS    |
|           |           |                      |              |            | VN         | -24.74785        | -0.00987              | PASS    |
|           |           |                      |              |            | VH         | -25.00534        | -0.00997              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.86238         | -0.00152              | PASS    |
|           |           |                      |              |            | VN         | -6.62327         | -0.00261              | PASS    |
|           |           |                      |              |            | VH         | -3.80516         | -0.00150              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.17981         | -0.00241              | PASS    |
|           |           |                      |              |            | VN         | -22.50195        | -0.00878              | PASS    |
|           |           |                      |              |            | VH         | -16.49380        | -0.00644              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -13.27515        | -0.00529              | PASS    |
|           |           |                      |              |            | VN         | -27.09389        | -0.01079              | PASS    |
|           |           |                      |              |            | VH         | -23.40317        | -0.00932              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.10421         | -0.00122              | PASS    |
|           |           |                      |              |            | VN         | -6.70910         | -0.00265              | 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         | -2.34604         | -0.00093              | PASS    |
|           |           |                      |              |            | VL         | -5.85079         | -0.00229              | PASS    |
|           |           |                      |              |            | VN         | -14.49108        | -0.00566              | PASS    |
|           |           |                      |              |            | VH         | -7.96795         | -0.00311              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -17.18044        | -0.00687              | PASS    |
|           |           |                      |              |            | VN         | -28.08094        | -0.01122              | PASS    |
|           |           |                      |              |            | VH         | -27.37999        | -0.01094              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -6.07967         | -0.00240              | PASS    |
|           |           |                      |              |            | VN         | -10.70023        | -0.00422              | PASS    |
|           |           |                      |              |            | VH         | -6.40869         | -0.00253              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -44.01684        | -0.01714              | PASS    |
|           |           |                      |              |            | VN         | -53.22933        | -0.02073              | PASS    |
|           |           |                      |              |            | VH         | -14.13345        | -0.00550              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -6.62327         | -0.00261              | PASS    |
|           |           |                      |              |            | VN         | -16.56532        | -0.00661              | PASS    |
|           |           |                      |              |            | VH         | -1.63078         | -0.00064              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.70367         | -0.00107              | PASS    |
|           |           |                      |              |            | VN         | -28.75328        | -0.01134              | PASS    |
|           |           |                      |              |            | VH         | -7.23839         | -0.00286              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -35.54821        | -0.01386              | PASS    |
|           |           |                      |              |            | VN         | -10.98633        | -0.00428              | PASS    |
|           |           |                      |              |            | VH         | -16.16478        | -0.00630              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -8.71181         | -0.00347              | PASS    |
|           |           |                      |              |            | VN         | -15.44952        | -0.00616              | PASS    |
|           |           |                      |              |            | VH         | -6.70910         | -0.00268              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.58651          | 0.00023               | PASS    |
|           |           |                      |              |            | VN         | -5.73635         | -0.00226              | PASS    |
|           |           |                      |              |            | VH         | -0.75817         | -0.00030              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.00136         | -0.00039              | PASS    |
|           |           |                      |              |            | VN         | -10.92911        | -0.00427              | PASS    |
|           |           |                      |              |            | VH         | -4.24862         | -0.00166              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -3.34740         | -0.00133              | PASS    |
|           |           |                      |              |            | VN         | -18.13889        | -0.00723              | PASS    |
|           |           |                      |              |            | VH         | -9.28402         | -0.00370              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.63078         | -0.00064              | PASS    |
|           |           |                      |              |            | VN         | -5.96523         | -0.00235              | PASS    |
|           |           |                      |              |            | VH         | -2.16007         | -0.00085              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.95844         | -0.00037              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -10.49995        | -0.00410              | PASS    |
|           |           |                      |              |            | VH         | -4.84943         | -0.00189              | 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 |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| Band7     | LTE/TM1   | 5                    | LCH          | VN         | -30       | -11.55853        | -0.00462              | PASS    |
|           |           |                      |              |            | -20       | -7.85351         | -0.00314              | PASS    |
|           |           |                      |              |            | -10       | -18.39638        | -0.00735              | PASS    |
|           |           |                      |              |            | 0         | -5.63621         | -0.00225              | PASS    |
|           |           |                      |              |            | 10        | -12.44545        | -0.00497              | PASS    |
|           |           |                      |              |            | 20        | -49.93916        | -0.01996              | PASS    |
|           |           |                      |              |            | 30        | -12.41684        | -0.00496              | PASS    |
|           |           |                      |              |            | 40        | -10.12802        | -0.00405              | PASS    |
|           |           |                      | MCH          | VN         | 50        | -16.67976        | -0.00667              | PASS    |
|           |           |                      |              |            | -30       | -46.56315        | -0.01837              | PASS    |
|           |           |                      |              |            | -20       | -13.66138        | -0.00539              | PASS    |
|           |           |                      |              |            | -10       | -14.57691        | -0.00575              | PASS    |
|           |           |                      |              |            | 0         | -11.81602        | -0.00466              | PASS    |
|           |           |                      |              |            | 10        | -48.32268        | -0.01906              | PASS    |
|           |           |                      |              |            | 20        | -13.54694        | -0.00534              | PASS    |
|           |           |                      |              |            | 30        | -61.65504        | -0.02432              | PASS    |
|           |           |                      |              |            | 40        | -14.10484        | -0.00556              | PASS    |
|           |           |                      |              |            | 50        | -18.92567        | -0.00747              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -28.15247        | -0.01096              | PASS    |
|           |           |                      |              |            | -20       | -61.21159        | -0.02384              | PASS    |
|           |           |                      |              |            | -10       | -25.60616        | -0.00997              | PASS    |
|           |           |                      |              |            | 0         | -20.49923        | -0.00798              | PASS    |
|           |           |                      |              |            | 10        | -33.10204        | -0.01289              | PASS    |
|           |           |                      |              |            | 20        | -26.03531        | -0.01014              | PASS    |
|           |           |                      |              |            | 30        | -25.46310        | -0.00992              | PASS    |
|           |           |                      |              |            | 40        | -72.49832        | -0.02824              | PASS    |
|           |           |                      |              |            | 50        | -29.31118        | -0.01142              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -24.20425        | -0.00966              | PASS    |
|           |           |                      |              |            | -20       | -22.84527        | -0.00912              | PASS    |
|           |           |                      |              |            | -10       | -25.23422        | -0.01007              | PASS    |
|           |           |                      |              |            | 0         | -22.94540        | -0.00916              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           | 15                   |              |            | 10        | -28.83911        | -0.01151              | PASS    |
|           |           |                      |              |            | 20        | -23.00262        | -0.00918              | PASS    |
|           |           |                      |              |            | 30        | -11.12938        | -0.00434              | PASS    |
|           |           |                      |              |            | 40        | -24.37592        | -0.00950              | PASS    |
|           |           |                      |              |            | 50        | -25.66338        | -0.01024              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -9.18388         | -0.00362              | PASS    |
|           |           |                      |              |            | -20       | -30.72739        | -0.01212              | PASS    |
|           |           |                      |              |            | -10       | -7.39574         | -0.00292              | PASS    |
|           |           |                      |              |            | 0         | -8.62598         | -0.00340              | PASS    |
|           |           |                      |              |            | 10        | -7.56741         | -0.00299              | PASS    |
|           |           |                      |              |            | 20        | -28.12386        | -0.01109              | PASS    |
|           |           |                      |              |            | 30        | -12.05921        | -0.00476              | PASS    |
|           |           |                      |              |            | 40        | -14.13345        | -0.00558              | PASS    |
|           |           |                      |              |            | 50        | -8.98361         | -0.00354              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -40.76958        | -0.01589              | PASS    |
|           |           |                      |              |            | -20       | -31.02779        | -0.01210              | PASS    |
|           |           |                      |              |            | -10       | -14.06193        | -0.00548              | PASS    |
|           |           |                      |              |            | 0         | -12.04491        | -0.00470              | PASS    |
|           |           |                      |              |            | 10        | -16.73698        | -0.00653              | PASS    |
|           |           |                      |              |            | 20        | -11.12938        | -0.00434              | PASS    |
|           |           |                      |              |            | 30        | -42.20009        | -0.01645              | PASS    |
|           |           |                      |              |            | 40        | -24.37592        | -0.00950              | PASS    |
|           |           |                      |              |            | 50        | -14.96315        | -0.00583              | PASS    |
|           |           |                      | LCH          | VN         | -30       | -26.17836        | -0.01044              | PASS    |
|           |           |                      |              |            | -20       | -23.93246        | -0.00954              | PASS    |
|           |           |                      |              |            | -10       | -27.39429        | -0.01092              | PASS    |
|           |           |                      |              |            | 0         | -24.66202        | -0.00984              | PASS    |
|           |           |                      |              |            | 10        | -27.23694        | -0.01086              | PASS    |
|           |           |                      |              |            | 20        | -24.74785        | -0.00987              | PASS    |
|           |           |                      |              |            | 30        | -24.60480        | -0.00981              | PASS    |
|           |           |                      |              |            | 40        | -31.52847        | -0.01257              | PASS    |
|           |           |                      |              |            | 50        | -25.30575        | -0.01009              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -8.49724         | -0.00335              | PASS    |
|           |           |                      |              |            | -20       | -6.92368         | -0.00273              | PASS    |
|           |           |                      |              |            | -10       | -8.02517         | -0.00317              | PASS    |
|           |           |                      |              |            | 0         | -4.36306         | -0.00172              | PASS    |
|           |           |                      |              |            | 10        | -17.35210        | -0.00685              | PASS    |
|           |           |                      |              |            | 20        | -6.62327         | -0.00261              | PASS    |
|           |           |                      |              |            | 30        | -8.38280         | -0.00331              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -8.08239         | -0.00319              | PASS    |
|           |           |                      |              |            | 50        | -7.20978         | -0.00284              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -13.10349        | -0.00511              | PASS    |
|           |           |                      |              |            | -20       | -14.03332        | -0.00548              | PASS    |
|           |           |                      |              |            | -10       | -14.97746        | -0.00584              | PASS    |
|           |           |                      |              |            | 0         | -12.45975        | -0.00486              | PASS    |
|           |           |                      |              |            | 10        | -14.99176        | -0.00585              | PASS    |
|           |           |                      |              |            | 20        | -22.50195        | -0.00878              | PASS    |
|           |           |                      |              |            | 30        | -14.13345        | -0.00552              | PASS    |
|           |           |                      |              |            | 40        | -14.01901        | -0.00547              | PASS    |
|           |           |                      |              |            | 50        | -23.71788        | -0.00926              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | -25.89226        | -0.01032              | PASS    |
|           |           |                      |              |            | -20       | -26.00670        | -0.01036              | PASS    |
|           |           |                      |              |            | -10       | -26.37863        | -0.01051              | PASS    |
|           |           |                      |              |            | 0         | -24.37592        | -0.00971              | PASS    |
|           |           |                      |              |            | 10        | -26.20697        | -0.01044              | PASS    |
|           |           |                      |              |            | 20        | -27.09389        | -0.01079              | PASS    |
|           |           |                      |              |            | 30        | -26.47877        | -0.01055              | PASS    |
|           |           |                      |              |            | 40        | -24.34731        | -0.00970              | PASS    |
|           |           |                      |              |            | 50        | -24.73354        | -0.00985              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -7.06673         | -0.00279              | PASS    |
|           |           |                      |              |            | -20       | -7.53880         | -0.00297              | PASS    |
|           |           |                      |              |            | -10       | -8.54015         | -0.00337              | PASS    |
|           |           |                      |              |            | 0         | -7.12395         | -0.00281              | PASS    |
|           |           |                      |              |            | 10        | -8.03947         | -0.00317              | PASS    |
|           |           |                      |              |            | 20        | -6.70910         | -0.00265              | PASS    |
|           |           |                      |              |            | 30        | -6.53744         | -0.00258              | PASS    |
|           |           |                      |              |            | 40        | -7.75337         | -0.00306              | PASS    |
|           |           |                      |              |            | 50        | -6.90937         | -0.00273              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -13.24654        | -0.00517              | PASS    |
|           |           |                      |              |            | -20       | -11.27243        | -0.00440              | PASS    |
|           |           |                      |              |            | -10       | -14.21928        | -0.00555              | PASS    |
|           |           |                      |              |            | 0         | -12.51698        | -0.00489              | PASS    |
|           |           |                      |              |            | 10        | -13.36098        | -0.00522              | PASS    |
|           |           |                      |              |            | 20        | -14.49108        | -0.00566              | PASS    |
|           |           |                      |              |            | 30        | -12.96043        | -0.00506              | PASS    |
|           |           |                      |              |            | 40        | -14.49108        | -0.00566              | PASS    |
|           |           |                      |              |            | 50        | -13.40389        | -0.00524              | PASS    |
|           | LTE/TM2   | 5                    | LCH          | VN         | -30       | -35.37655        | -0.01414              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -32.01485        | -0.01279              | PASS    |
|           |           |                      |              |            | -10       | -32.22942        | -0.01288              | PASS    |
|           |           |                      |              |            | 0         | -28.69606        | -0.01147              | PASS    |
|           |           |                      |              |            | 10        | -41.97121        | -0.01677              | PASS    |
|           |           |                      |              |            | 20        | -28.08094        | -0.01122              | PASS    |
|           |           |                      |              |            | 30        | -34.63268        | -0.01384              | PASS    |
|           |           |                      |              |            | 40        | -30.57003        | -0.01222              | PASS    |
|           |           |                      |              |            | 50        | -40.79819        | -0.01630              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -56.43368        | -0.02226              | PASS    |
|           |           |                      |              |            | -20       | -13.97610        | -0.00551              | PASS    |
|           |           |                      |              |            | -10       | -34.70421        | -0.01369              | PASS    |
|           |           |                      |              |            | 0         | -11.17229        | -0.00441              | PASS    |
|           |           |                      |              |            | 10        | -16.43658        | -0.00648              | PASS    |
|           |           |                      |              |            | 20        | -10.70023        | -0.00422              | PASS    |
|           |           |                      |              |            | 30        | -55.74703        | -0.02199              | PASS    |
|           |           |                      |              |            | 40        | -12.25948        | -0.00484              | PASS    |
|           |           |                      |              |            | 50        | -47.83630        | -0.01887              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -23.27442        | -0.00907              | PASS    |
|           |           |                      |              |            | -20       | -24.20425        | -0.00943              | PASS    |
|           |           |                      |              |            | -10       | -24.06120        | -0.00937              | PASS    |
|           |           |                      |              |            | 0         | -17.60960        | -0.00686              | PASS    |
|           |           |                      |              |            | 10        | -26.26419        | -0.01023              | PASS    |
|           |           |                      |              |            | 20        | -53.22933        | -0.02073              | PASS    |
|           |           |                      |              |            | 30        | -21.51489        | -0.00838              | PASS    |
|           |           |                      |              |            | 40        | -20.65659        | -0.00805              | PASS    |
|           |           |                      |              |            | 50        | -25.80643        | -0.01005              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -17.82417        | -0.00712              | PASS    |
|           |           |                      |              |            | -20       | -18.33916        | -0.00732              | PASS    |
|           |           |                      |              |            | -10       | -21.25740        | -0.00849              | PASS    |
|           |           |                      |              |            | 0         | -17.80987        | -0.00711              | PASS    |
|           |           |                      |              |            | 10        | -20.54214        | -0.00820              | PASS    |
|           |           |                      |              |            | 20        | -16.56532        | -0.00661              | PASS    |
|           |           |                      |              |            | 30        | -15.40661        | -0.00614              | PASS    |
|           |           |                      |              |            | 40        | -22.40181        | -0.00893              | PASS    |
|           |           |                      |              |            | 50        | -20.69950        | -0.00826              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -20.04147        | -0.00791              | PASS    |
|           |           |                      |              |            | -20       | -6.56605         | -0.00259              | PASS    |
|           |           |                      |              |            | -10       | -20.79964        | -0.00820              | PASS    |
|           |           |                      |              |            | 0         | -7.52449         | -0.00297              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -9.94205         | -0.00392              | PASS    |
|           |           |                      |              |            | 20        | -28.75328        | -0.01134              | PASS    |
|           |           |                      |              |            | 30        | -14.37664        | -0.00567              | PASS    |
|           |           |                      |              |            | 40        | -13.64708        | -0.00538              | PASS    |
|           |           |                      |              |            | 50        | -7.10964         | -0.00280              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -12.66003        | -0.00494              | PASS    |
|           |           |                      |              |            | -20       | -11.00063        | -0.00429              | PASS    |
|           |           |                      |              |            | -10       | -13.91888        | -0.00543              | PASS    |
|           |           |                      |              |            | 0         | -10.71453        | -0.00418              | PASS    |
|           |           |                      |              |            | 10        | -15.72132        | -0.00613              | PASS    |
|           |           |                      |              |            | 20        | -10.98633        | -0.00428              | PASS    |
|           |           |                      |              |            | 30        | -38.92422        | -0.01518              | PASS    |
|           |           |                      |              |            | 40        | -18.83984        | -0.00734              | PASS    |
|           |           |                      |              |            | 50        | -35.87723        | -0.01399              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | -16.72268        | -0.00667              | PASS    |
|           |           |                      |              |            | -20       | -14.20498        | -0.00566              | PASS    |
|           |           |                      |              |            | -10       | -17.15183        | -0.00684              | PASS    |
|           |           |                      |              |            | 0         | -14.20498        | -0.00566              | PASS    |
|           |           |                      |              |            | 10        | -18.65387        | -0.00744              | PASS    |
|           |           |                      |              |            | 20        | -15.44952        | -0.00616              | PASS    |
|           |           |                      |              |            | 30        | -15.40661        | -0.00614              | PASS    |
|           |           |                      |              |            | 40        | -22.40181        | -0.00893              | PASS    |
|           |           |                      |              |            | 50        | -16.40797        | -0.00654              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -7.16686         | -0.00283              | PASS    |
|           |           |                      |              |            | -20       | -4.52042         | -4.52042              | PASS    |
|           |           |                      |              |            | -10       | -13.76152        | -0.00543              | PASS    |
|           |           |                      |              |            | 0         | -6.07967         | -0.00240              | PASS    |
|           |           |                      |              |            | 10        | -5.23567         | -0.00207              | PASS    |
|           |           |                      |              |            | 20        | -5.73635         | -0.00226              | PASS    |
|           |           |                      |              |            | 30        | -13.96179        | -0.00551              | PASS    |
|           |           |                      |              |            | 40        | -15.59258        | -0.00615              | PASS    |
|           |           |                      |              |            | 50        | -6.78062         | -0.00267              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -25.20561        | -0.00984              | PASS    |
|           |           |                      |              |            | -20       | -9.19819         | -0.00359              | PASS    |
|           |           |                      |              |            | -10       | -11.73019        | -0.00458              | PASS    |
|           |           |                      |              |            | 0         | -8.92639         | -0.00348              | PASS    |
|           |           |                      |              |            | 10        | -11.64436        | -0.00454              | PASS    |
|           |           |                      |              |            | 20        | -10.92911        | -0.00427              | PASS    |
|           |           |                      |              |            | 30        | -11.10077        | -0.00433              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -11.45840        | -0.00447              | PASS    |
|           |           |                      |              |            | 50        | -11.60145        | -0.00453              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | -16.39366        | -0.00653              | PASS    |
|           |           |                      |              |            | -20       | -16.63685        | -0.00663              | PASS    |
|           |           |                      |              |            | -10       | -17.92431        | -0.00714              | PASS    |
|           |           |                      |              |            | 0         | -16.27922        | -0.00649              | PASS    |
|           |           |                      |              |            | 10        | -17.53807        | -0.00699              | PASS    |
|           |           |                      |              |            | 20        | -18.13889        | -0.00723              | PASS    |
|           |           |                      |              |            | 30        | -16.66546        | -0.00664              | PASS    |
|           |           |                      |              |            | 40        | -15.74993        | -0.00627              | PASS    |
|           |           |                      |              |            | 50        | -17.66682        | -0.00704              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -6.76632         | -0.00267              | PASS    |
|           |           |                      |              |            | -20       | -6.46591         | -0.00255              | PASS    |
|           |           |                      |              |            | -10       | -6.92368         | -0.00273              | PASS    |
|           |           |                      |              |            | 0         | -5.16415         | -0.00204              | PASS    |
|           |           |                      |              |            | 10        | -6.40869         | -0.00253              | PASS    |
|           |           |                      |              |            | 20        | -5.96523         | -0.00235              | PASS    |
|           |           |                      |              |            | 30        | -4.49181         | -0.00177              | PASS    |
|           |           |                      |              |            | 40        | -5.32150         | -0.00210              | PASS    |
|           |           |                      |              |            | 50        | -5.97954         | -0.00236              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -11.01494        | -0.00430              | PASS    |
|           |           |                      |              |            | -20       | -8.52585         | -0.00333              | PASS    |
|           |           |                      |              |            | -10       | -10.31399        | -0.00403              | PASS    |
|           |           |                      |              |            | 0         | -9.65595         | -0.00377              | PASS    |
|           |           |                      |              |            | 10        | -10.42843        | -0.00407              | PASS    |
|           |           |                      |              |            | 20        | -10.49995        | -0.00410              | PASS    |
|           |           |                      |              |            | 30        | -12.31670        | -0.00481              | PASS    |
|           |           |                      |              |            | 40        | -10.27107        | -0.00401              | PASS    |
|           |           |                      |              |            | 50        | -9.79900         | -0.00383              | PASS    |

END