







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



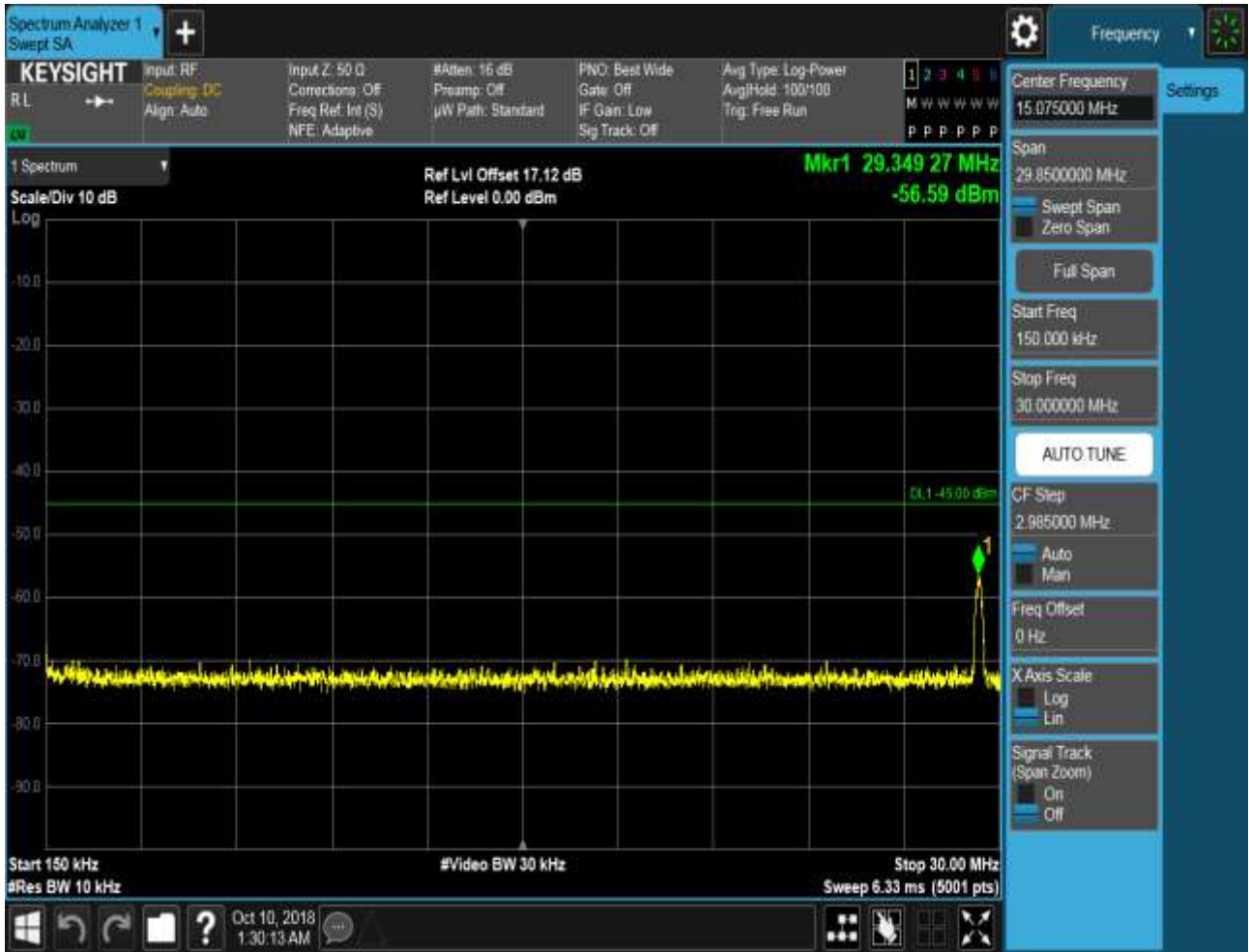




### 6.2.1.1.2.2 Test Channel = MCH

#### 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





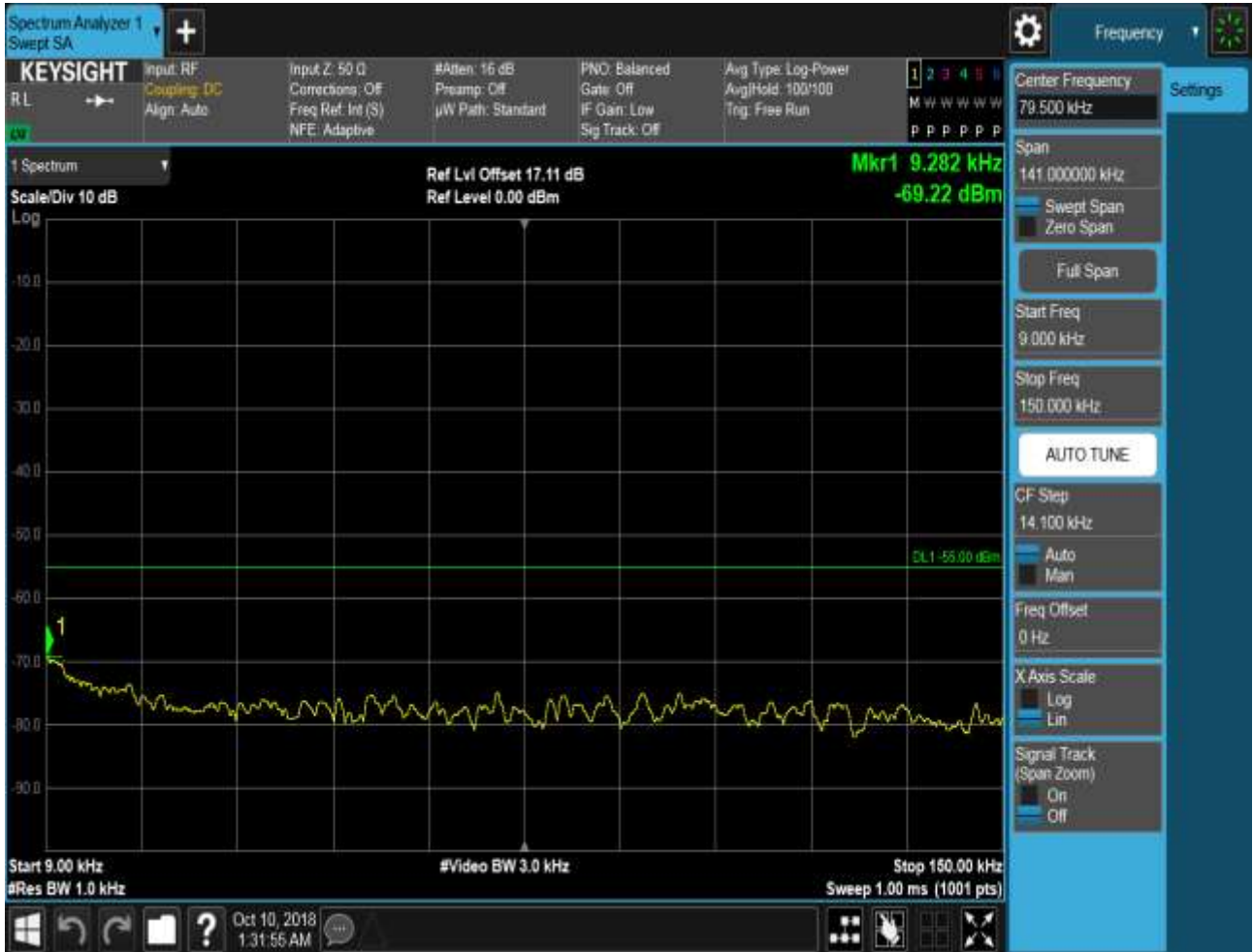




6.2.1.1.3 Test Bandwidth = 15

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





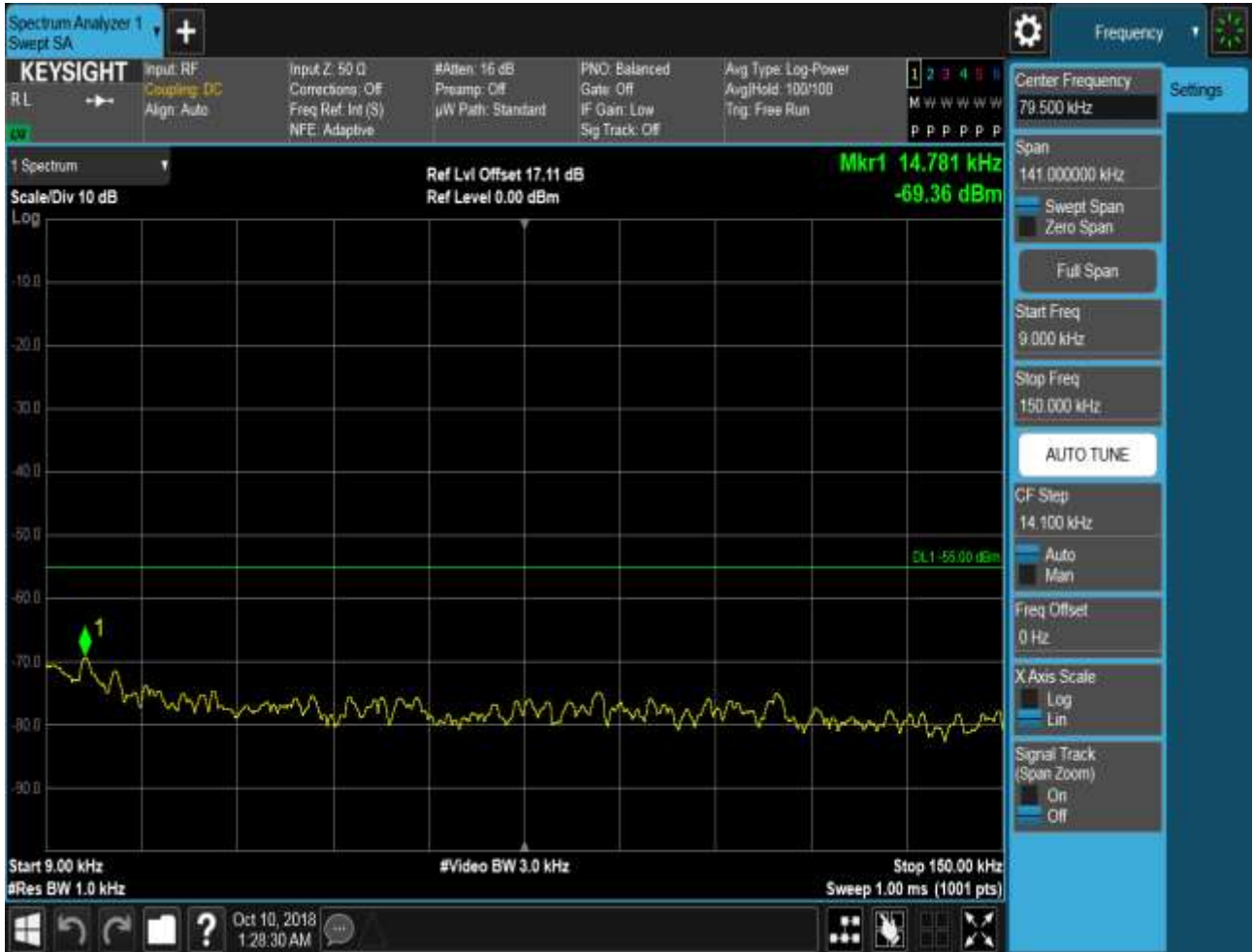




### 6.2.1.2.2 Test Bandwidth = 10

#### 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













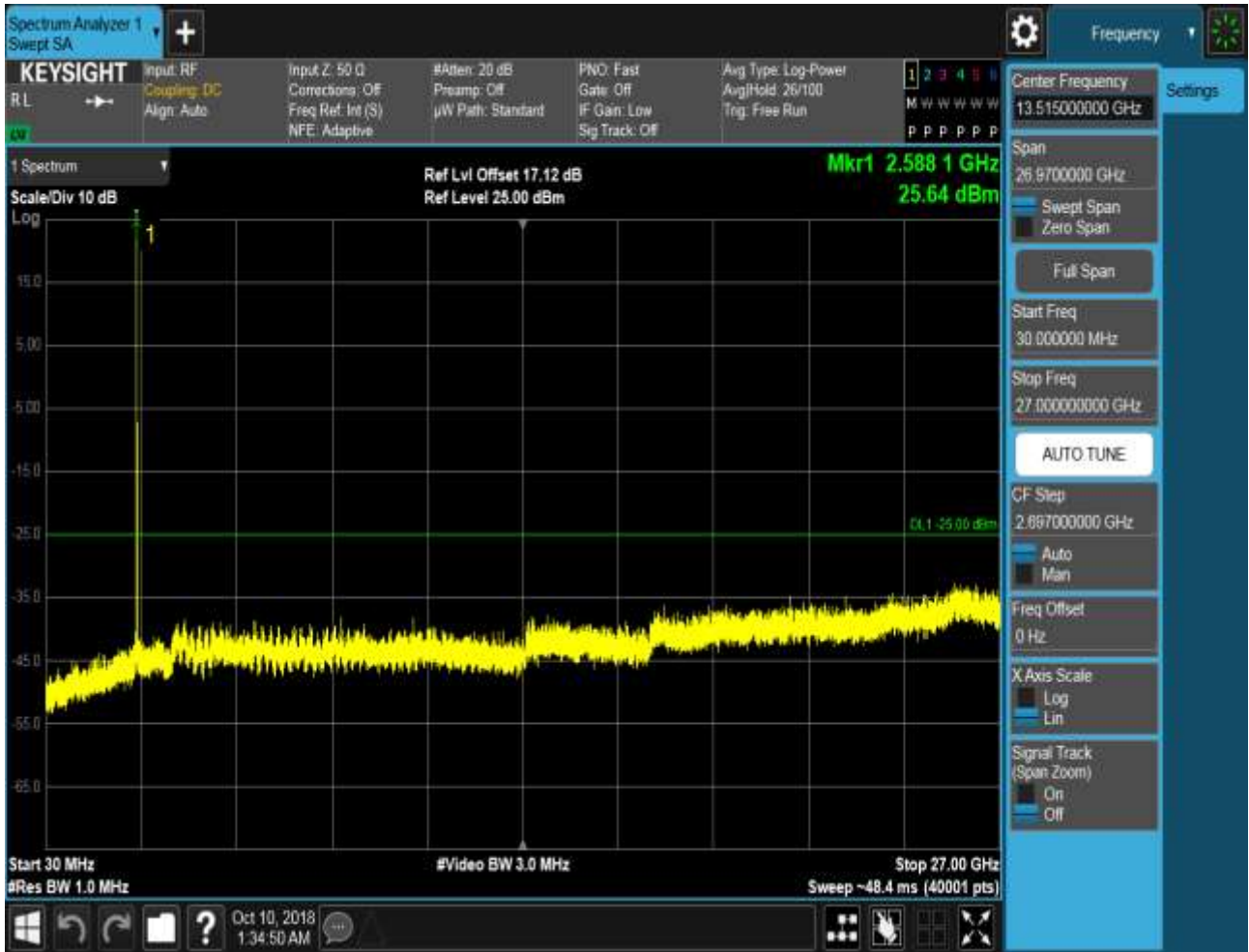


### 6.2.1.2.3.2 Test Channel = MCH

#### 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 = 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

#### 7.1.1 Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| Band38    | LTE/TM1   | 5                    | LCH          | TN         | VL         | -22.48764        | -0.00874              | PASS    |
|           |           |                      |              |            | VN         | -9.52721         | -0.00370              | PASS    |
|           |           |                      |              |            | VH         | -2.86102         | -0.00111              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.77927         | -0.00223              | PASS    |
|           |           |                      |              |            | VN         | -12.14504        | -0.00468              | PASS    |
|           |           |                      |              |            | VH         | -7.83920         | -0.00302              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.41892         | -0.00131              | PASS    |
|           |           |                      |              |            | VN         | -18.52512        | -0.00708              | PASS    |
|           |           |                      |              |            | VH         | -5.77927         | -0.00221              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -5.77927         | -0.00224              | PASS    |
|           |           |                      |              |            | VN         | -23.11707        | -0.00898              | PASS    |
|           |           |                      |              |            | VH         | -8.25405         | -0.00321              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -7.52449         | -0.00290              | PASS    |
|           |           |                      |              |            | VN         | -9.18388         | -0.00354              | PASS    |
|           |           |                      |              |            | VH         | -7.93934         | -0.00306              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -14.16206        | -0.00542              | PASS    |
|           |           |                      |              |            | VN         | -27.58026        | -0.01055              | PASS    |
|           |           |                      |              |            | VH         | -14.47678        | -0.00554              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -32.55844        | -0.01263              | PASS    |
|           |           |                      |              |            | VN         | -22.00127        | -0.00854              | PASS    |
|           |           |                      |              |            | VH         | -35.10475        | -0.01362              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -9.28402         | -0.00358              | PASS    |
|           |           |                      |              |            | VN         | -11.17229        | -0.00431              | PASS    |
|           |           |                      |              |            | VH         | -10.92911        | -0.00421              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -11.07216        | -0.00424              | PASS    |
|           |           |                      |              |            | VN         | -14.19067        | -0.00543              | PASS    |
|           |           |                      |              |            | VH         | -9.64165         | -0.00369              | PASS    |
| 20        | LCH       | TN                   | VL           | -19.25468  | -0.00746   | PASS             |                       |         |
|           |           |                      | VN           | -23.76080  | -0.00921   | PASS             |                       |         |
|           |           |                      | VH           | -22.60208  | -0.00876   | PASS             |                       |         |
|           | MCH       | TN                   | VL           | -5.75066   | -0.00222   | PASS             |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
|           | LTE/TM2   |                      |              |            | VN         | -11.60145        | -0.00447              | PASS     |      |
|           |           |                      |              |            | VH         | -9.55582         | -0.00368              | PASS     |      |
|           |           |                      | HCH          | TN         | VL         | -6.39439         | -0.00245              | PASS     |      |
|           |           |                      |              |            | VN         | -17.70973        | -0.00679              | PASS     |      |
|           |           |                      |              |            |            | VH               | -7.95364              | -0.00305 | PASS |
|           |           |                      |              |            |            | VL               | -9.74178              | -0.00379 | PASS |
|           |           | 5                    | LCH          | TN         | VN         | -19.35482        | -0.00752              | PASS     |      |
|           |           |                      |              |            | VH         | -14.77718        | -0.00574              | PASS     |      |
|           |           |                      | MCH          | TN         | VL         | -5.46455         | -0.00211              | PASS     |      |
|           |           |                      |              |            | VN         | -20.61367        | -0.00794              | PASS     |      |
|           |           |                      |              |            |            | VH               | -7.25269              | -0.00279 | PASS |
|           |           |                      |              |            |            | VL               | -3.49045              | -0.00133 | PASS |
|           |           | HCH                  | TN           | VN         | -12.01630  | -0.00459         | PASS                  |          |      |
|           |           |                      |              | VH         | -3.86238   | -0.00148         | PASS                  |          |      |
|           |           |                      | LCH          | TN         | VL         | 6.90937          | 0.00268               | PASS     |      |
|           |           |                      |              |            | VN         | -11.47270        | -0.00446              | PASS     |      |
|           |           |                      |              |            |            | VH               | 1.93119               | 0.00075  | PASS |
|           |           |                      |              |            |            | VL               | -3.99113              | -0.00154 | PASS |
|           |           | 10                   | MCH          | TN         | VN         | -14.53400        | -0.00560              | PASS     |      |
|           |           |                      |              |            | VH         | -8.08239         | -0.00311              | PASS     |      |
|           |           |                      | HCH          | TN         | VL         | -14.09054        | -0.00539              | PASS     |      |
|           |           |                      |              |            | VN         | -29.21104        | -0.01117              | PASS     |      |
|           |           |                      |              |            |            | VH               | -9.01222              | -0.00345 | PASS |
|           |           |                      |              |            |            | VL               | -24.34731             | -0.00945 | PASS |
|           |           | 15                   | LCH          | TN         | VN         | -16.88004        | -0.00655              | PASS     |      |
|           |           |                      |              |            | VH         | -27.40860        | -0.01063              | PASS     |      |
|           |           |                      | MCH          | TN         | VL         | -4.87804         | -0.00188              | PASS     |      |
|           |           |                      |              |            | VN         | -15.85007        | -0.00611              | PASS     |      |
|           |           |                      |              |            |            | VH               | -9.14097              | -0.00352 | PASS |
|           |           |                      |              |            |            | VL               | -7.82490              | -0.00300 | PASS |
|           |           | HCH                  | TN           | VN         | -9.69887   | -0.00371         | PASS                  |          |      |
|           |           |                      |              | VH         | -6.42300   | -0.00246         | PASS                  |          |      |
|           |           | 20                   | LCH          | TN         | VL         | -8.28266         | -0.00321              | PASS     |      |
|           |           |                      |              |            | VN         | -16.20770        | -0.00628              | PASS     |      |
|           |           |                      |              |            |            | VH               | -14.10484             | -0.00547 | PASS |
|           |           |                      |              |            |            | VL               | -6.92368              | -0.00267 | PASS |
|           |           |                      | MCH          | TN         | VN         | -15.09190        | -0.00582              | PASS     |      |
|           |           |                      |              |            | VH         | -6.93798         | -0.00267              | PASS     |      |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VL         | -1.15871         | -0.00044              | PASS    |
|           |           |                      |              |            | VN         | -16.57963        | -0.00635              | PASS    |
|           |           |                      |              |            | VH         | -2.41756         | -0.00093              | 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 |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| Band38    | LTE/TM1   | 5                    | LCH          | VN         | -30       | -1.78814         | -0.00070              | PASS    |
|           |           |                      |              |            | -20       | -2.67506         | -0.00104              | PASS    |
|           |           |                      |              |            | -10       | 2.07424          | 0.00081               | PASS    |
|           |           |                      |              |            | 0         | -1.07288         | -0.00042              | PASS    |
|           |           |                      |              |            | 10        | -1.73092         | -0.00067              | PASS    |
|           |           |                      |              |            | 20        | -9.52721         | -0.00370              | PASS    |
|           |           |                      |              |            | 30        | -5.79357         | -0.00225              | PASS    |
|           |           |                      |              |            | 40        | -8.22544         | -0.00320              | PASS    |
|           |           |                      |              |            | 50        | -2.54631         | -0.00099              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -12.21657        | -0.00471              | PASS    |
|           |           |                      |              |            | -20       | -12.13074        | -0.00467              | PASS    |
|           |           |                      |              |            | -10       | -12.03060        | -0.00464              | PASS    |
|           |           |                      |              |            | 0         | -8.03947         | -0.00310              | PASS    |
|           |           |                      |              |            | 10        | -15.90729        | -0.00613              | PASS    |
|           |           |                      |              |            | 20        | -12.14504        | -0.00468              | PASS    |
|           |           |                      |              |            | 30        | -14.86301        | -0.00573              | PASS    |
|           |           |                      |              |            | 40        | -14.00471        | -0.00540              | PASS    |
|           |           |                      |              |            | 50        | -8.76904         | -0.00338              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -12.44545        | -0.00475              | PASS    |
|           |           |                      |              |            | -20       | -16.52241        | -0.00631              | PASS    |
|           |           |                      |              |            | -10       | -14.66274        | -0.00560              | PASS    |
|           |           |                      |              |            | 0         | -15.12051        | -0.00578              | PASS    |
|           |           |                      |              |            | 10        | -16.63685        | -0.00636              | PASS    |
|           |           |                      |              |            | 20        | -18.52512        | -0.00708              | PASS    |
|           |           | 30                   |              |            | -15.47813 | -0.00591         | PASS                  |         |
|           |           | 40                   |              |            | -14.64844 | -0.00560         | PASS                  |         |
|           |           | 50                   |              |            | -20.77103 | -0.00794         | PASS                  |         |
|           |           | 10                   | LCH          | VN         | -30       | -19.08302        | -0.00741              | PASS    |
| -20       | -17.05170 |                      |              |            | -0.00662  | PASS             |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict   |          |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|-----------|----------|------|
|           |           | 15                   |              |            | -10       | -20.87116        | -0.00811              | PASS      |          |      |
|           |           |                      |              |            | 0         | -20.68520        | -0.00803              | PASS      |          |      |
|           |           |                      |              |            | 10        | -19.76967        | -0.00768              | PASS      |          |      |
|           |           |                      |              |            | 20        | -23.11707        | -0.00898              | PASS      |          |      |
|           |           |                      |              |            | 30        | -23.44608        | -0.00911              | PASS      |          |      |
|           |           |                      |              |            | 40        | -16.76559        | -0.00651              | PASS      |          |      |
|           |           |                      |              |            | 50        | -20.47062        | -0.00795              | PASS      |          |      |
|           |           |                      | MCH          | VN         | -30       | -14.27650        | -0.00550              | PASS      |          |      |
|           |           |                      |              |            | -20       | -8.56876         | -0.00330              | PASS      |          |      |
|           |           |                      |              |            | -10       | -7.32422         | -0.00282              | PASS      |          |      |
|           |           |                      |              |            | 0         | -8.28266         | -0.00319              | PASS      |          |      |
|           |           |                      |              |            | 10        | -20.67089        | -0.00797              | PASS      |          |      |
|           |           |                      |              |            | 20        | -9.18388         | -0.00354              | PASS      |          |      |
|           |           |                      |              |            | 30        | -12.81738        | -0.00494              | PASS      |          |      |
|           |           |                      |              |            | 40        | -8.51154         | -0.00328              | PASS      |          |      |
|           |           |                      | HCH          | VN         | -30       | -20.64228        | -0.00789              | PASS      |          |      |
|           |           |                      |              |            | -20       | -12.81738        | -0.00490              | PASS      |          |      |
|           |           |                      |              |            | -10       | -13.90457        | -0.00532              | PASS      |          |      |
|           |           |                      |              |            | 0         | -13.51833        | -0.00517              | PASS      |          |      |
|           |           |                      |              |            | 10        | -1.71661         | -0.00066              | PASS      |          |      |
|           |           |                      |              |            | 20        | -27.58026        | -0.01055              | PASS      |          |      |
|           |           |                      |              |            | 30        | -61.68365        | -0.02359              | PASS      |          |      |
|           |           |                      |              |            | 40        | -14.30511        | -0.00547              | PASS      |          |      |
|           |           |                      | LCH          | VN         | -30       | -26.24989        | -0.01018              | PASS      |          |      |
|           |           |                      |              |            | -20       | -22.33028        | -0.00866              | PASS      |          |      |
|           |           |                      |              |            | -10       | -24.63341        | -0.00956              | PASS      |          |      |
|           |           |                      |              |            | 0         | -26.27850        | -0.01020              | PASS      |          |      |
|           |           |                      |              |            | 10        | -27.78053        | -0.01078              | PASS      |          |      |
|           |           |                      |              |            | 20        | -22.00127        | -0.00854              | PASS      |          |      |
|           |           |                      |              |            | 30        | -20.68520        | -0.00803              | PASS      |          |      |
|           |           |                      |              |            | 40        | -23.54622        | -0.00914              | PASS      |          |      |
|           |           |                      |              |            | 50        | -26.10683        | -0.01013              | PASS      |          |      |
|           |           |                      |              |            | MCH       | VN               | -30                   | -11.42979 | -0.00440 | PASS |
|           |           |                      |              |            |           |                  | -20                   | -10.81467 | -0.00417 | PASS |
|           |           |                      |              |            |           |                  | -10                   | -10.91480 | -0.00421 | PASS |
|           |           |                      |              |            |           |                  | 0                     | -11.61575 | -0.00448 | PASS |
|           |           |                      |              |            |           |                  | 10                    | -10.82897 | -0.00417 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           | 20                   |              |            | 20        | -11.17229        | -0.00431              | PASS    |
|           |           |                      |              |            | 30        | -9.92775         | -0.00383              | PASS    |
|           |           |                      |              |            | 40        | -10.88619        | -0.00420              | PASS    |
|           |           |                      |              |            | 50        | -10.95772        | -0.00422              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -16.27922        | -0.00623              | PASS    |
|           |           |                      |              |            | -20       | -14.36234        | -0.00550              | PASS    |
|           |           |                      |              |            | -10       | -15.07759        | -0.00577              | PASS    |
|           |           |                      |              |            | 0         | -15.12051        | -0.00579              | PASS    |
|           |           |                      |              |            | 10        | -20.08438        | -0.00769              | PASS    |
|           |           |                      |              |            | 20        | -14.19067        | -0.00543              | PASS    |
|           |           |                      |              |            | 30        | -15.37800        | -0.00589              | PASS    |
|           |           |                      |              |            | 40        | -10.61440        | -0.00406              | PASS    |
|           |           |                      | 50           | -13.73291  | -0.00526  | PASS             |                       |         |
|           |           |                      | LCH          | VN         | -30       | -23.53191        | -0.00912              | PASS    |
|           |           |                      |              |            | -20       | -26.69334        | -0.01035              | PASS    |
|           |           |                      |              |            | -10       | -25.00534        | -0.00969              | PASS    |
|           |           | 0                    |              |            | -22.91679 | -0.00888         | PASS                  |         |
|           |           | 10                   |              |            | -22.05849 | -0.00855         | PASS                  |         |
|           |           | 20                   |              |            | -23.76080 | -0.00921         | PASS                  |         |
|           |           | 30                   |              |            | -23.36025 | -0.00905         | PASS                  |         |
|           |           | 40                   |              |            | -25.57755 | -0.00980         | PASS                  |         |
|           |           | 50                   | -15.85007    | -0.00614   | PASS      |                  |                       |         |
|           |           | MCH                  | VN           | -30        | -13.21793 | -0.00509         | PASS                  |         |
|           |           |                      |              | -20        | -7.79629  | -0.00300         | PASS                  |         |
|           |           |                      |              | -10        | -11.31535 | -0.00436         | PASS                  |         |
|           |           |                      |              | 0          | -12.64572 | -0.00487         | PASS                  |         |
|           |           |                      |              | 10         | -12.84599 | -0.00495         | PASS                  |         |
|           |           |                      |              | 20         | -11.60145 | -0.00447         | PASS                  |         |
|           |           |                      |              | 30         | -10.54287 | -0.00406         | PASS                  |         |
|           |           |                      |              | 40         | -16.29353 | -0.00628         | PASS                  |         |
|           |           | 50                   | -11.67297    | -0.00450   | PASS      |                  |                       |         |
|           |           | HCH                  | VN           | -30        | -16.17908 | -0.00620         | PASS                  |         |
|           |           |                      |              | -20        | -14.21928 | -0.00545         | PASS                  |         |
|           |           |                      |              | -10        | -14.11915 | -0.00541         | PASS                  |         |
|           |           |                      |              | 0          | -14.43386 | -0.00553         | PASS                  |         |
|           |           |                      |              | 10         | -13.01765 | -0.00499         | PASS                  |         |
|           |           |                      |              | 20         | -17.70973 | -0.00679         | PASS                  |         |
|           |           |                      |              | 30         | -12.71725 | -0.00487         | PASS                  |         |
|           |           |                      |              | 40         | -25.57755 | -0.00980         | PASS                  |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           | LTE/TM2   | 5                    | LCH          | VN         | 50        | -14.57691        | -0.00559              | PASS    |
|           |           |                      |              |            | -30       | -20.81394        | -0.00809              | PASS    |
|           |           |                      |              |            | -20       | -18.88275        | -0.00734              | PASS    |
|           |           |                      |              |            | -10       | -17.73834        | -0.00690              | PASS    |
|           |           |                      |              |            | 0         | -15.99312        | -0.00622              | PASS    |
|           |           |                      |              |            | 10        | -16.65115        | -0.00647              | PASS    |
|           |           |                      |              |            | 20        | -19.35482        | -0.00752              | PASS    |
|           |           |                      |              |            | 30        | -21.44337        | -0.00834              | PASS    |
|           |           |                      |              |            | 40        | -22.84527        | -0.00888              | PASS    |
|           |           |                      | 50           | -21.82961  | -0.00849  | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30       | -13.14640        | -0.00507              | PASS    |
|           |           |                      |              |            | -20       | -12.54559        | -0.00483              | PASS    |
|           |           |                      |              |            | -10       | -15.72132        | -0.00606              | PASS    |
|           |           |                      |              |            | 0         | -13.47542        | -0.00519              | PASS    |
|           |           |                      |              |            | 10        | -15.29217        | -0.00589              | PASS    |
|           |           |                      |              |            | 20        | -20.61367        | -0.00794              | PASS    |
|           |           |                      |              |            | 30        | -15.95020        | -0.00615              | PASS    |
|           |           |                      |              |            | 40        | -14.61983        | -0.00563              | PASS    |
|           |           |                      |              |            | 50        | -9.21249         | -0.00355              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -11.41548        | -0.00436              | PASS    |
|           |           |                      |              |            | -20       | -13.03196        | -0.00498              | PASS    |
|           |           |                      |              |            | -10       | -12.05921        | -0.00461              | PASS    |
|           |           |                      |              |            | 0         | -13.54694        | -0.00518              | PASS    |
|           |           |                      |              |            | 10        | -14.30511        | -0.00547              | PASS    |
|           |           | 20                   |              |            | -12.01630 | -0.00459         | PASS                  |         |
|           |           | 30                   |              |            | -10.97202 | -0.00419         | PASS                  |         |
|           |           | 40                   |              |            | -12.96043 | -0.00495         | PASS                  |         |
|           |           | 50                   |              |            | -13.01765 | -0.00497         | PASS                  |         |
|           |           | 10                   | LCH          | VN         | -30       | -15.57827        | -0.00605              | PASS    |
|           |           |                      |              |            | -20       | -20.81394        | -0.00808              | PASS    |
|           |           |                      |              |            | -10       | -14.93454        | -0.00580              | PASS    |
|           |           |                      |              |            | 0         | -16.47949        | -0.00640              | PASS    |
|           |           |                      |              |            | 10        | -19.66953        | -0.00764              | PASS    |
|           |           |                      |              |            | 20        | -11.47270        | -0.00446              | PASS    |
|           |           |                      |              |            | 30        | -16.59393        | -0.00644              | PASS    |
|           |           |                      |              |            | 40        | -19.55509        | -0.00759              | PASS    |
| 50        | -20.05577 |                      |              |            | -0.00779  | PASS             |                       |         |
| MCH       | VN        |                      | -30          | -13.08918  | -0.00504  | PASS             |                       |         |
|           |           |                      | -20          | -8.33988   | -0.00321  | PASS             |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10       | -10.35690        | -0.00399              | PASS    |
|           |           |                      |              |            | 0         | -10.28538        | -0.00396              | PASS    |
|           |           |                      |              |            | 10        | -13.66138        | -0.00526              | PASS    |
|           |           |                      |              |            | 20        | -14.53400        | -0.00560              | PASS    |
|           |           |                      |              |            | 30        | -15.13481        | -0.00583              | PASS    |
|           |           |                      |              |            | 40        | -10.60009        | -0.00408              | PASS    |
|           |           |                      |              |            | 50        | -12.24518        | -0.00472              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -15.23495        | -0.00583              | PASS    |
|           |           |                      |              |            | -20       | -11.97338        | -0.00458              | PASS    |
|           |           |                      |              |            | -10       | -11.74450        | -0.00449              | PASS    |
|           |           |                      |              |            | 0         | -11.04355        | -0.00422              | PASS    |
|           |           |                      |              |            | 10        | -1.60217         | -0.00061              | PASS    |
|           |           |                      |              |            | 20        | -29.21104        | -0.01117              | PASS    |
|           |           |                      |              |            | 30        | -86.47442        | -0.03307              | PASS    |
|           |           |                      | LCH          | VN         | -40       | -11.64436        | -0.00445              | PASS    |
|           |           |                      |              |            | 50        | -13.57555        | -0.00519              | PASS    |
|           |           |                      |              |            | -30       | -19.44065        | -0.00754              | PASS    |
|           |           |                      |              |            | -20       | -20.04147        | -0.00778              | PASS    |
|           |           | -10                  |              |            | -23.51761 | -0.00912         | PASS                  |         |
|           |           | 0                    |              |            | -17.18044 | -0.00667         | PASS                  |         |
|           |           | 10                   |              |            | -18.48221 | -0.00717         | PASS                  |         |
|           |           | 20                   |              |            | -16.88004 | -0.00655         | PASS                  |         |
|           |           | 30                   |              |            | -19.36913 | -0.00751         | PASS                  |         |
|           |           | MCH                  | VN           | 40         | -19.56940 | -0.00759         | PASS                  |         |
|           |           |                      |              | 50         | -16.83712 | -0.00653         | PASS                  |         |
|           |           |                      |              | -30        | -12.55989 | -0.00484         | PASS                  |         |
|           |           |                      |              | -20        | -13.63277 | -13.63277        | PASS                  |         |
|           |           |                      |              | -10        | -7.33852  | -0.00283         | PASS                  |         |
|           |           |                      |              | 0          | -11.00063 | -0.00424         | PASS                  |         |
|           |           |                      |              | 10         | -14.09054 | -0.00543         | PASS                  |         |
|           |           |                      |              | 20         | -15.85007 | -0.00611         | PASS                  |         |
|           |           | HCH                  | VN           | 30         | -13.90457 | -0.00536         | PASS                  |         |
|           |           |                      |              | 40         | -10.92911 | -0.00421         | PASS                  |         |
|           |           |                      |              | 50         | -2.26021  | -0.00087         | PASS                  |         |
|           |           |                      |              | -30        | -13.46111 | -0.00515         | PASS                  |         |
|           |           |                      |              | -20        | -9.78470  | -0.00375         | PASS                  |         |
| -10       | -9.92775  |                      |              | -0.00380   | PASS      |                  |                       |         |
|           |           | 15                   |              |            | 0         | -9.44138         | -0.00361              | PASS    |
|           |           |                      |              |            | 10        | -15.56396        | -0.00596              | PASS    |





| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict   |          |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|-----------|----------|------|
|           |           |                      |              |            | 20        | -9.69887         | -0.00371              | PASS      |          |      |
|           |           |                      |              |            | 30        | -12.53128        | -0.00480              | PASS      |          |      |
|           |           |                      |              |            | 40        | -13.30376        | -0.00509              | PASS      |          |      |
|           |           |                      |              |            | 50        | -13.34667        | -0.00511              | PASS      |          |      |
|           |           | 20                   | LCH          | VN         | -30       | -18.38207        | -0.00712              | PASS      |          |      |
|           |           |                      |              |            | -20       | -21.38615        | -0.00829              | PASS      |          |      |
|           |           |                      |              |            | -10       | -19.69814        | -0.00763              | PASS      |          |      |
|           |           |                      |              |            | 0         | -17.83848        | -0.00691              | PASS      |          |      |
|           |           |                      |              |            | 10        | -18.56804        | -0.00720              | PASS      |          |      |
|           |           |                      |              |            | 20        | -16.20770        | -0.00628              | PASS      |          |      |
|           |           |                      |              |            | 30        | -17.88139        | -0.00693              | PASS      |          |      |
|           |           |                      |              |            | 40        | -16.57963        | -0.00635              | PASS      |          |      |
|           |           |                      |              |            | 50        | -15.76424        | -0.00611              | PASS      |          |      |
|           |           |                      |              |            | MCH       | VN               | -30                   | -11.80172 | -0.00455 | PASS |
|           |           |                      |              |            |           |                  | -20                   | -9.21249  | -0.00355 | PASS |
|           |           |                      |              |            |           |                  | -10                   | -11.58714 | -0.00447 | PASS |
|           |           |                      |              |            |           |                  | 0                     | -12.57420 | -0.00485 | PASS |
|           |           |                      |              |            |           |                  | 10                    | -12.60281 | -0.00486 | PASS |
|           |           |                      |              |            |           |                  | 20                    | -15.09190 | -0.00582 | PASS |
|           |           |                      |              |            |           |                  | 30                    | -14.09054 | -0.00543 | PASS |
|           |           |                      | 40           | -13.31806  |           |                  | -0.00513              | PASS      |          |      |
|           |           |                      | HCH          | VN         | -30       | -14.70566        | -0.00563              | PASS      |          |      |
|           |           |                      |              |            | -20       | -10.24246        | -0.00392              | PASS      |          |      |
|           |           |                      |              |            | -10       | -11.83033        | -0.00453              | PASS      |          |      |
|           |           |                      |              |            | 0         | -12.15935        | -0.00466              | PASS      |          |      |
|           |           |                      |              |            | 10        | -5.00679         | -0.00192              | PASS      |          |      |
|           |           |                      |              |            | 20        | -16.57963        | -0.00635              | PASS      |          |      |
|           |           |                      |              |            | 30        | -9.81331         | -0.00376              | PASS      |          |      |
|           |           |                      |              |            | 40        | -19.55509        | -0.00749              | PASS      |          |      |
|           |           |                      | 50           | -12.25948  | -0.00470  | PASS             |                       |           |          |      |

END