







### 6.1.1.2.1.3 Test Channel = HCH

#### 6.1.1.2.1.3.1 Test RB = RB1#0







## 6.1.1.2.2 Test Bandwidth = 10

## 6.1.1.2.2.1 Test Channel = LCH

## 6.1.1.2.2.1.1 Test RB = RB1#0











### 6.1.1.2.2 Test Channel = MCH

#### 6.1.1.2.2.1 Test RB = RB1#0







## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0







## 6.1.1.2.3 Test Bandwidth = 15

## 6.1.1.2.3.1 Test Channel = LCH

## 6.1.1.2.3.1.1 Test RB = RB1#0















## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0







## 6.1.1.2.4 Test Bandwidth = 20

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0



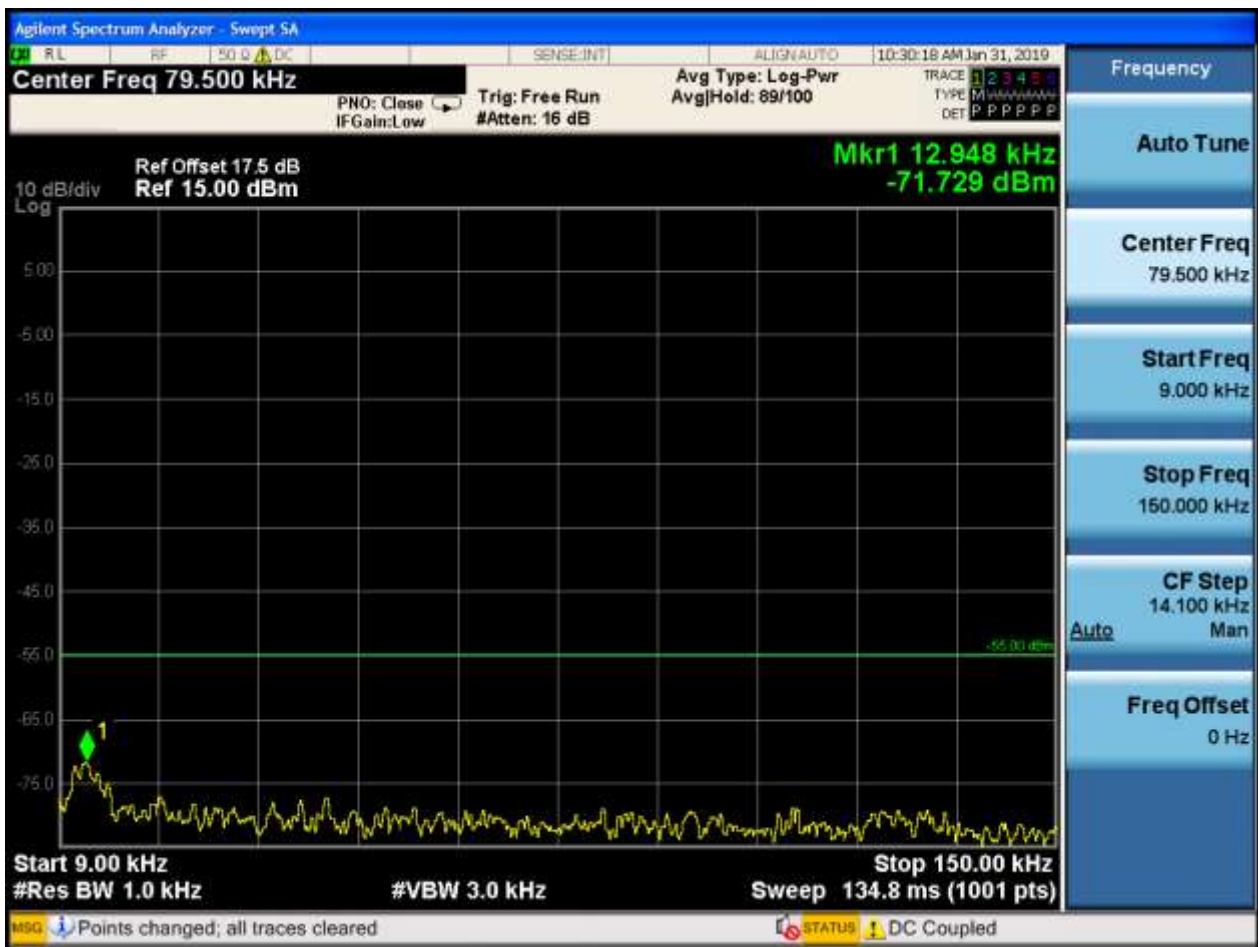






## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0







## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0









## 7Appendix\_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

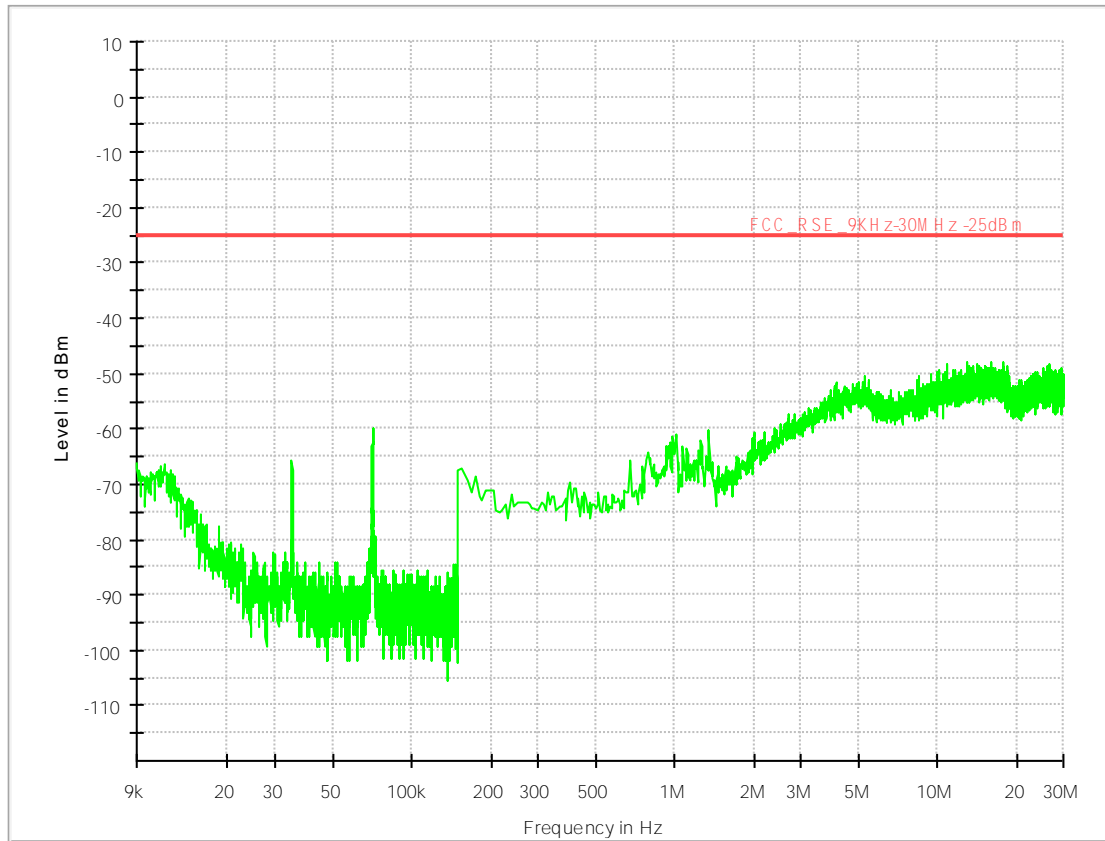
### Part I - Test Plots

#### 7.1 For LTE

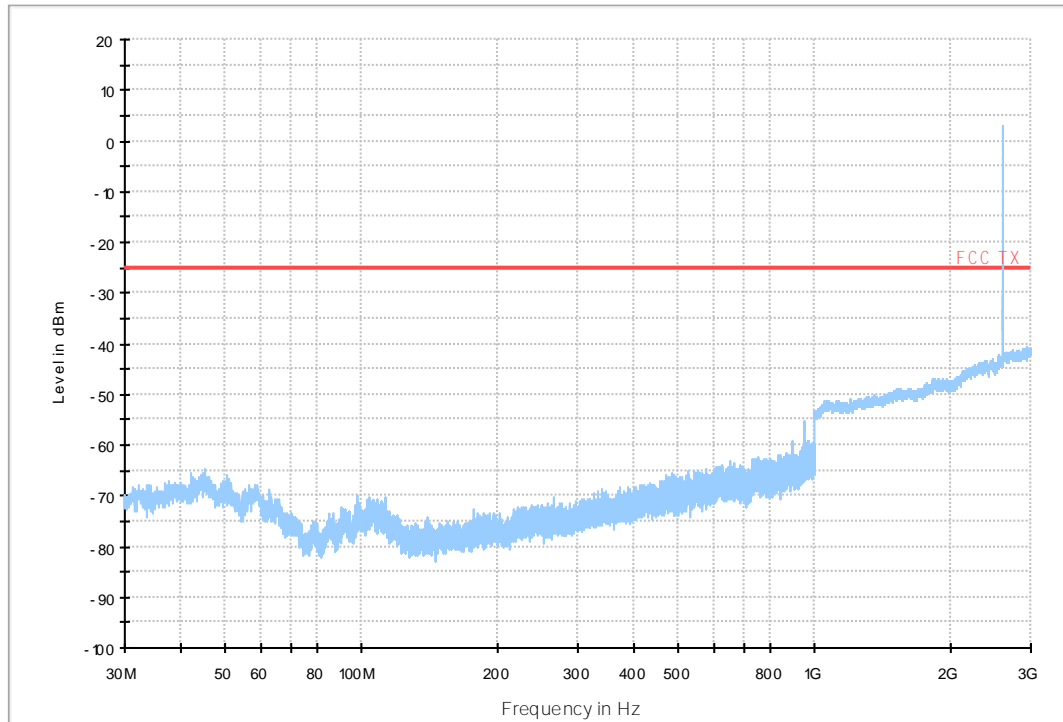
##### 7.1.1 Test Band = Band38

##### 7.1.1.1 Test Bandwidth = 5

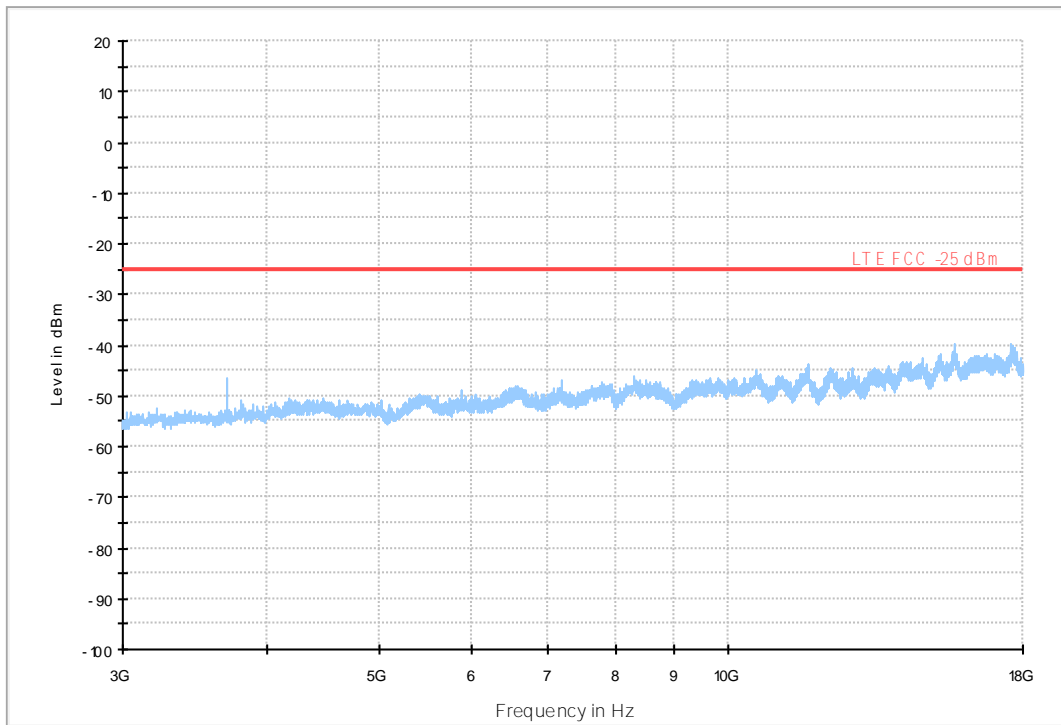
Band38/TM1\_Ant1



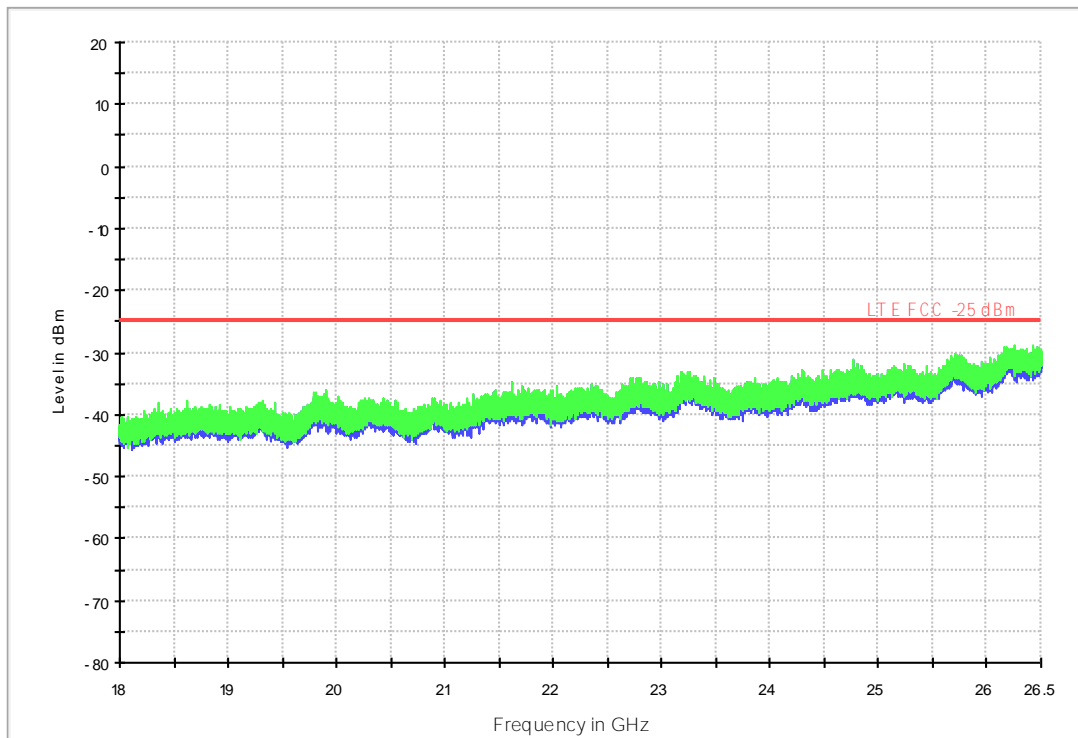
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



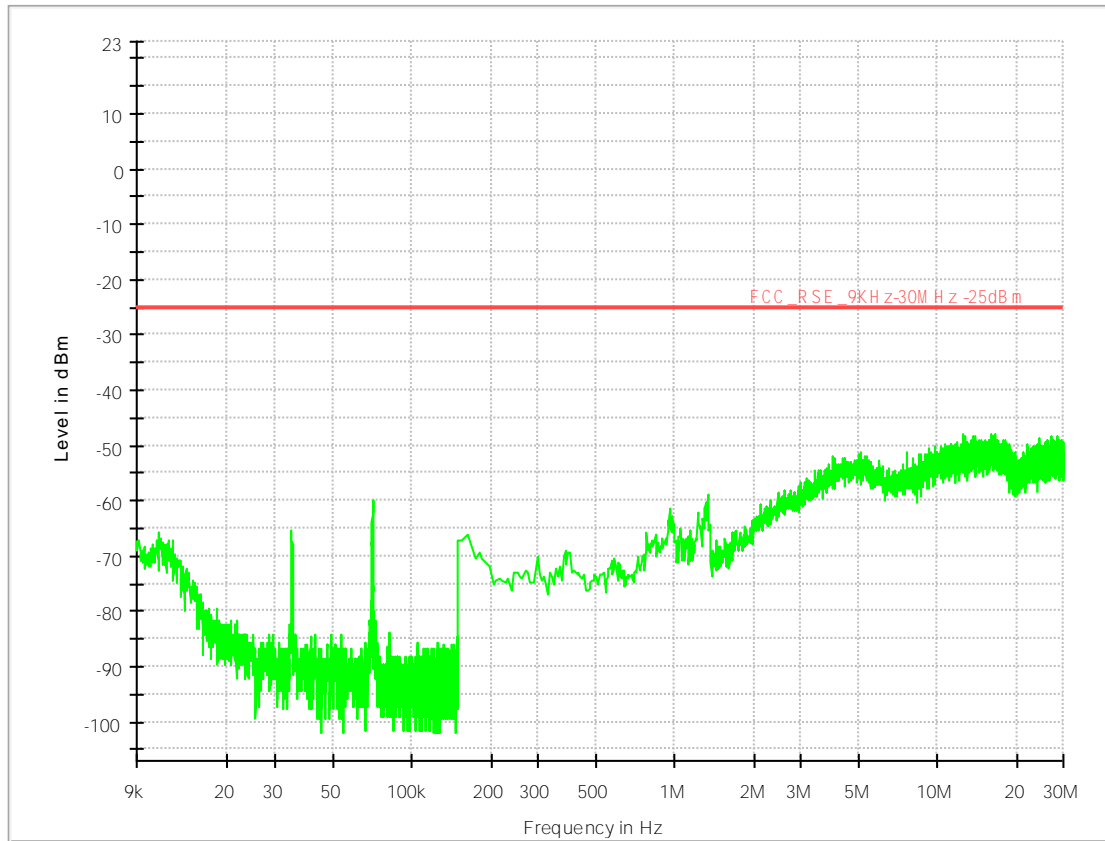
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



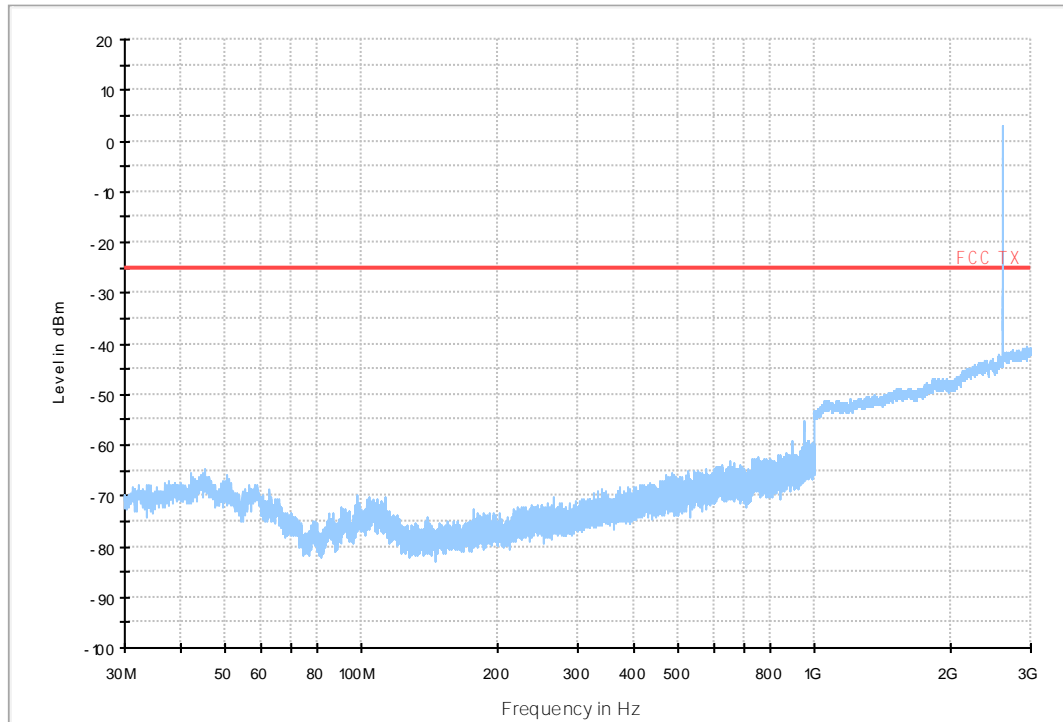
18G- 26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



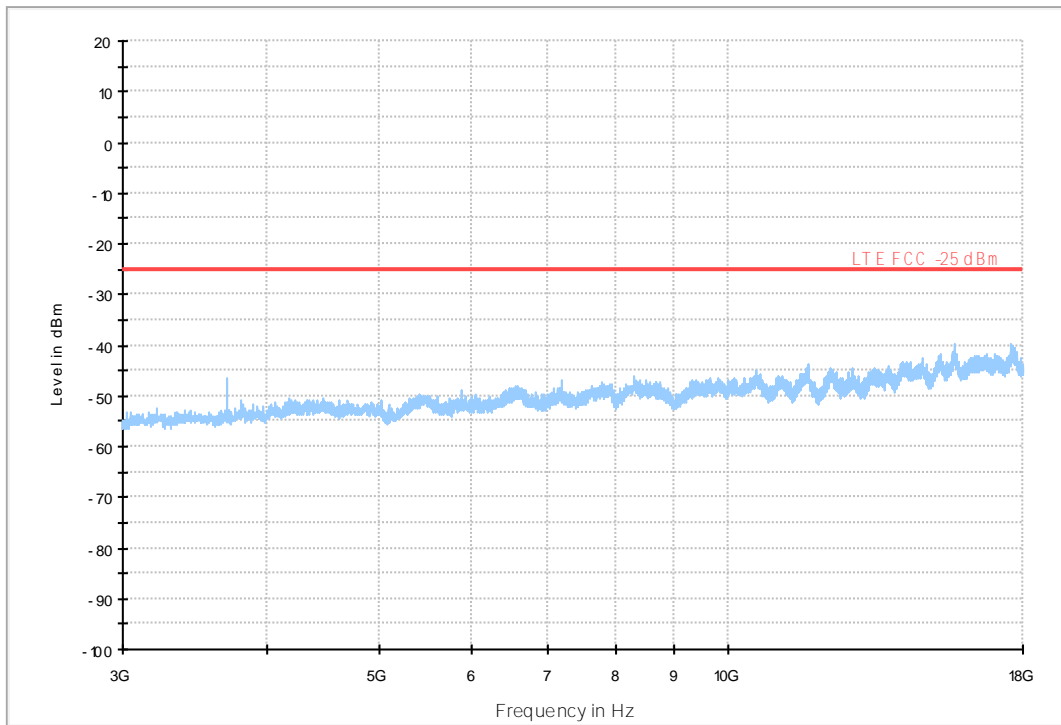
Band38/TM1\_Ant2



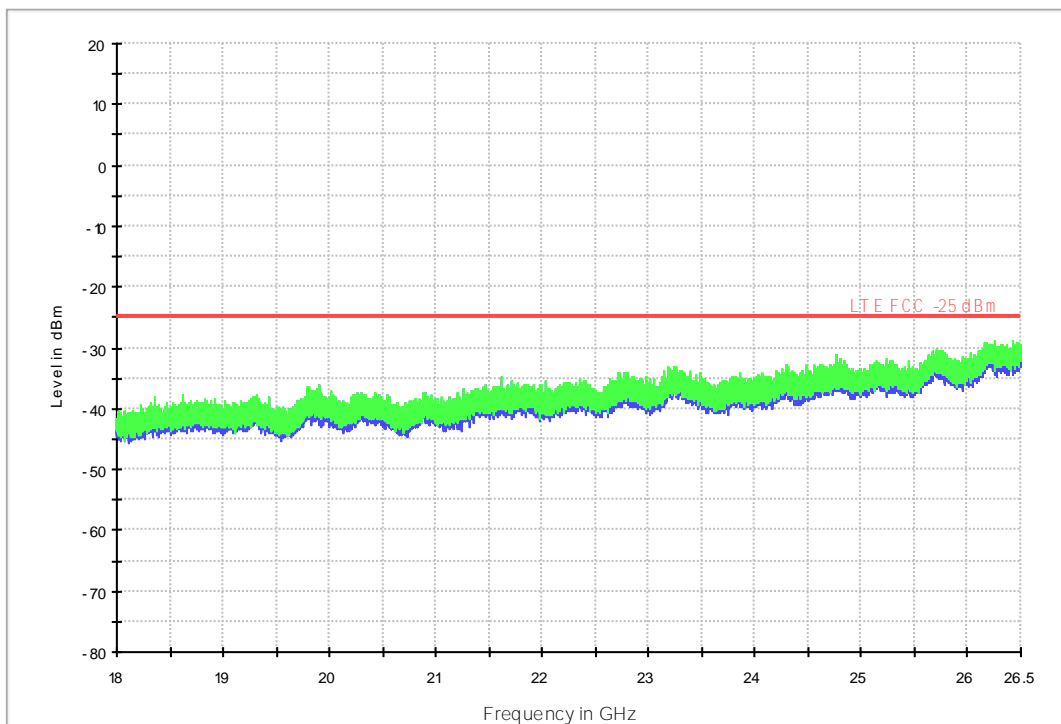
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



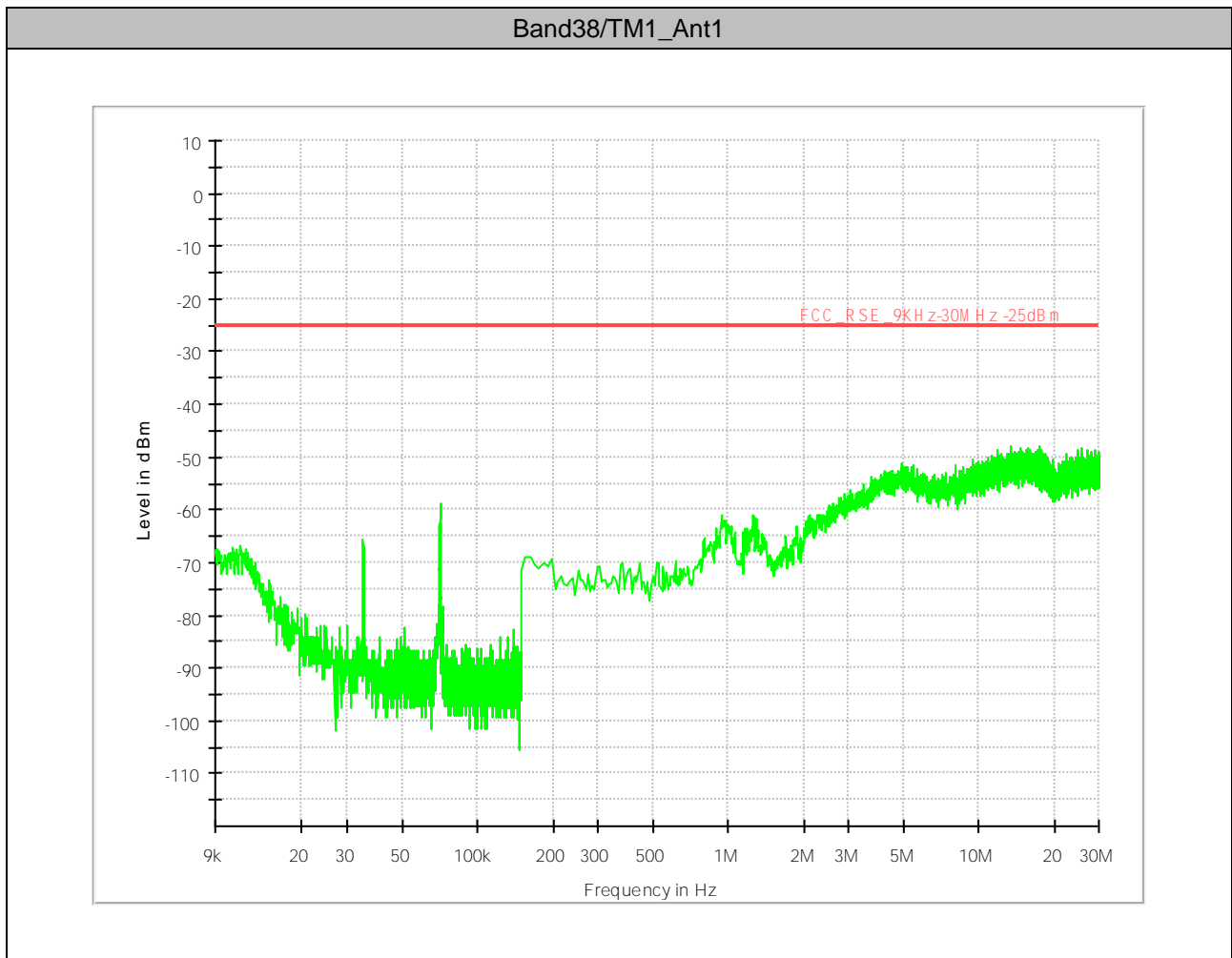
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



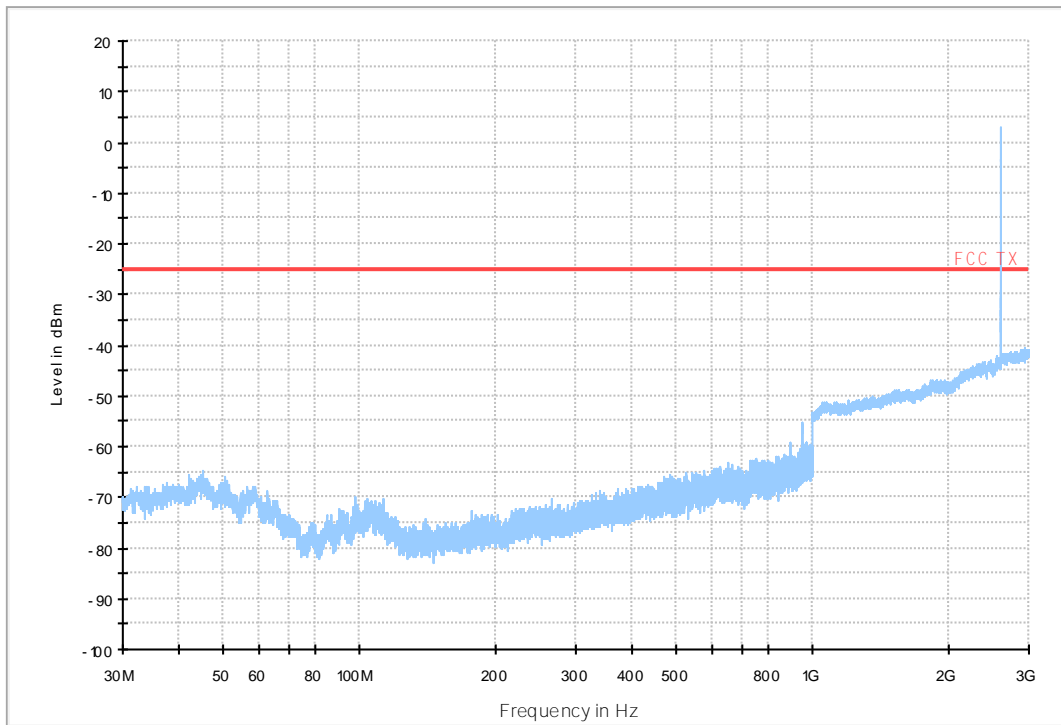
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



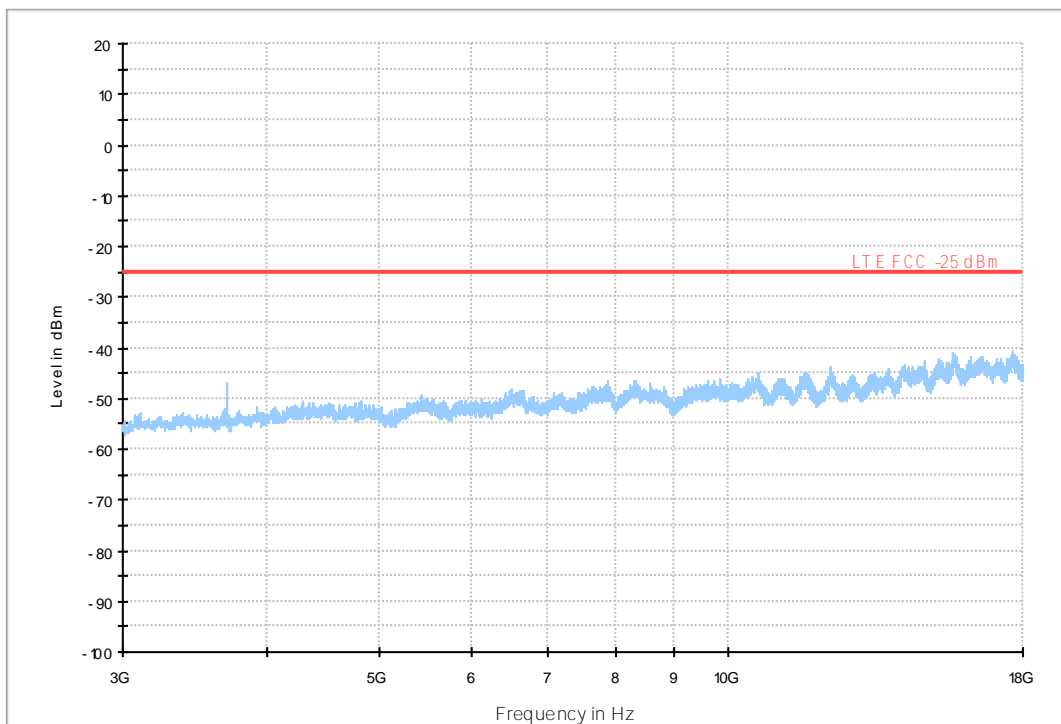
### 7.1.1.2 Test Bandwidth = 20



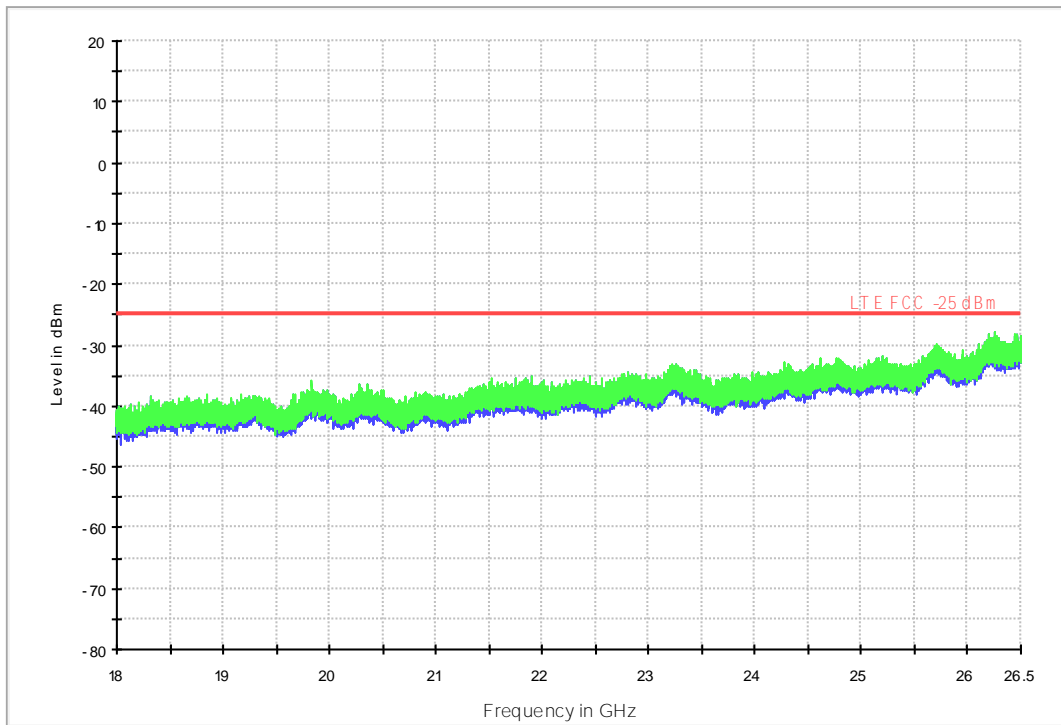
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



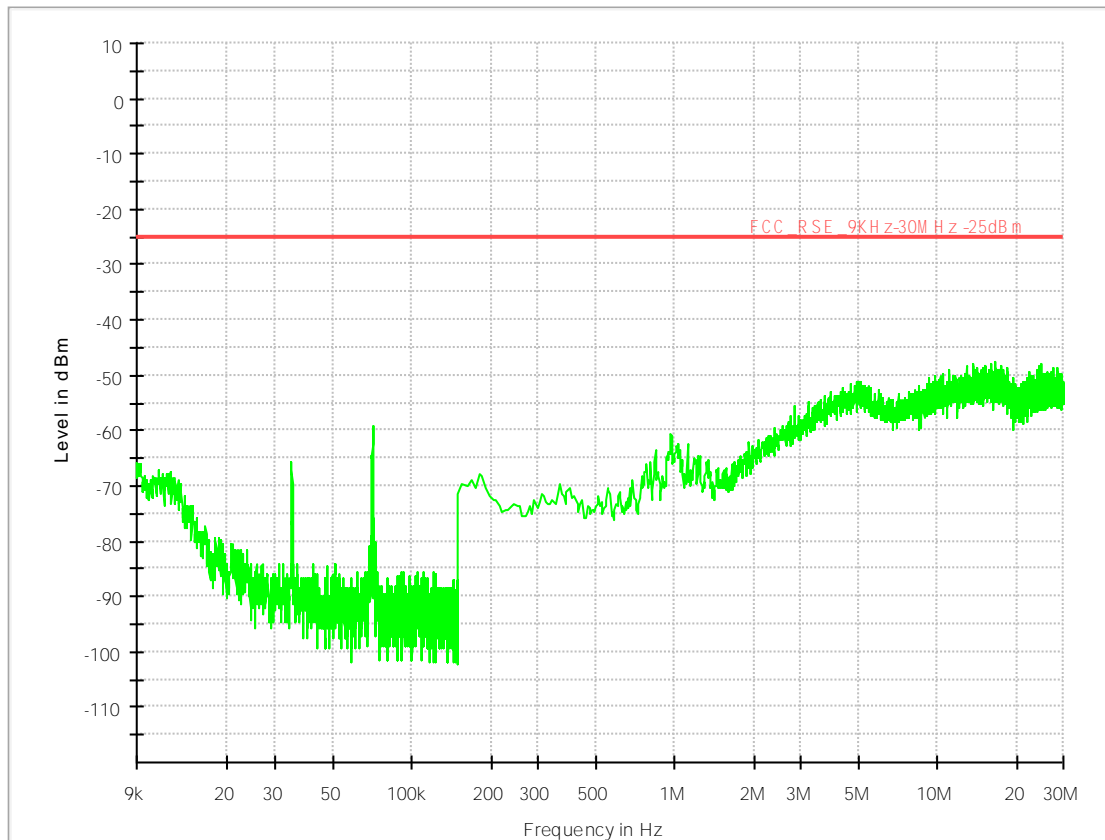
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

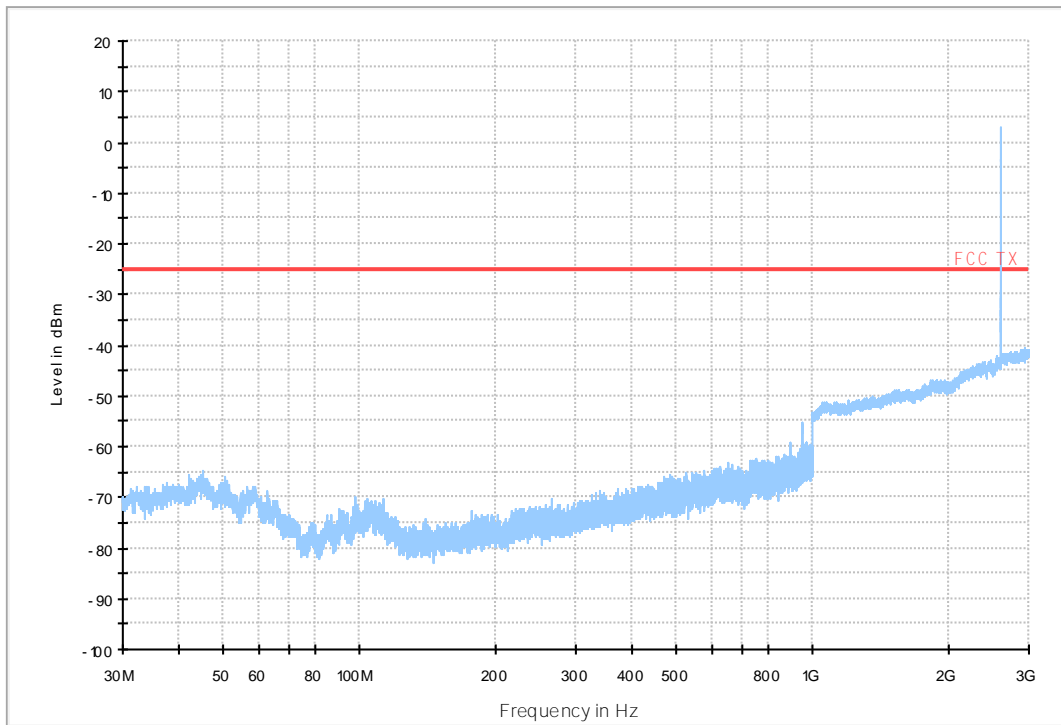


Band38/TM1\_Ant2

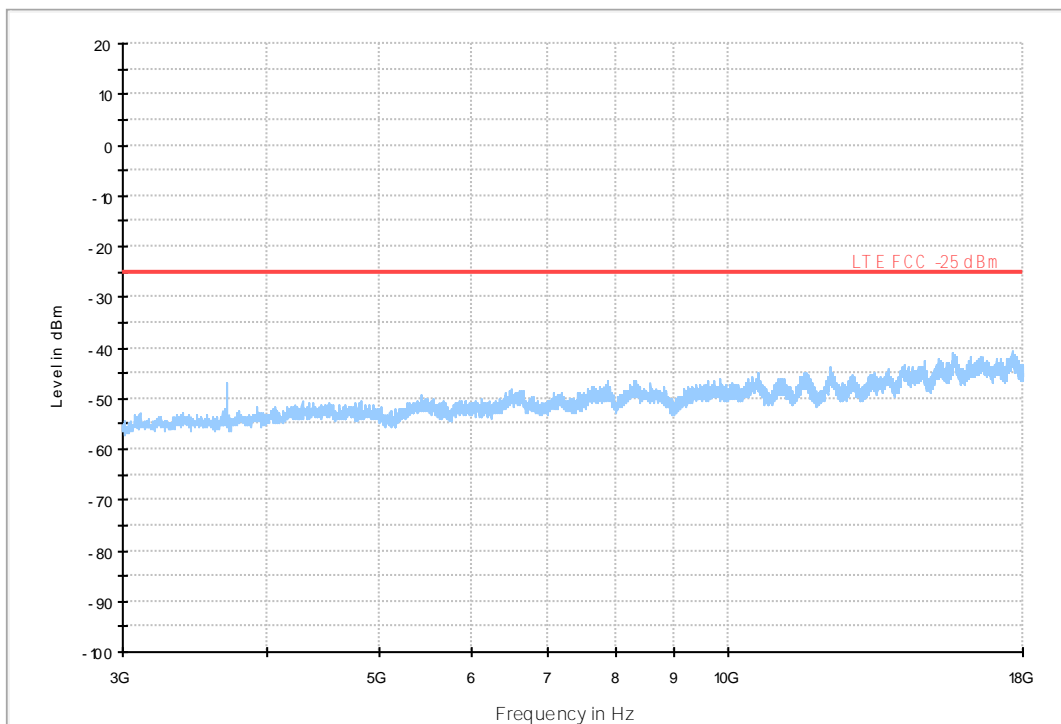




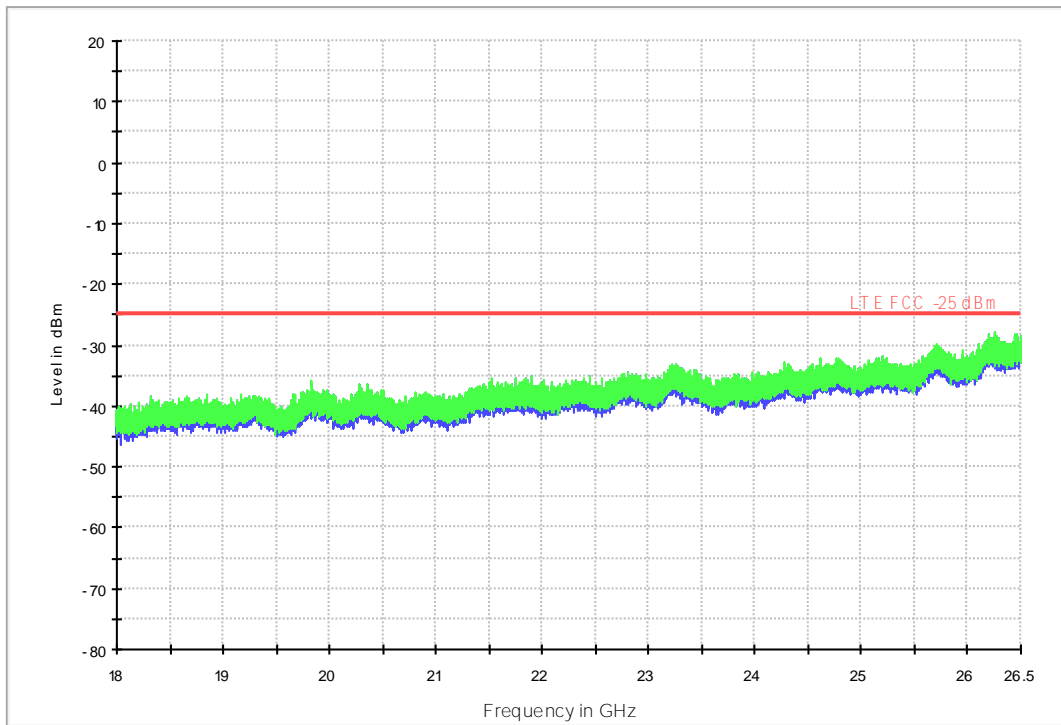
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_H -25dBm limit



18G~26.5G R SE-TX-DIRECTOR ABOVE 1.5G PK



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1 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         | -27.48013        | -0.01068              | PASS    |
|           |           |                      |              |            | VN         | -42.64355        | -0.01658              | PASS    |
|           |           |                      |              |            | VH         | -32.93037        | -0.01280              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.23431          | 0.00163               | PASS    |
|           |           |                      |              |            | VN         | -43.70213        | -0.01684              | PASS    |
|           |           |                      |              |            | VH         | -8.32558         | -0.00321              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -23.14568        | -0.00884              | PASS    |
|           |           |                      |              |            | VN         | -25.99239        | -0.00993              | PASS    |
|           |           |                      |              |            | VH         | -18.03875        | -0.00689              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -26.75056        | -0.01039              | PASS    |
|           |           |                      |              |            | VN         | -16.20770        | -0.00629              | PASS    |
|           |           |                      |              |            | VH         | -26.29280        | -0.01021              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -15.17773        | -0.00585              | PASS    |
|           |           |                      |              |            | VN         | -16.60824        | -0.00640              | PASS    |
|           |           |                      |              |            | VH         | -11.94477        | -0.00460              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -14.67705        | -0.00561              | PASS    |
|           |           |                      |              |            | VN         | -24.14703        | -0.00923              | PASS    |
|           |           |                      |              |            | VH         | -18.03875        | -0.00690              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -21.65794        | -0.00840              | PASS    |
|           |           |                      |              |            | VN         | -16.32214        | -0.00633              | PASS    |
|           |           |                      |              |            | VH         | -23.34595        | -0.00906              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -14.11915        | -0.00544              | PASS    |
|           |           |                      |              |            | VN         | -18.51082        | -0.00713              | PASS    |
|           |           |                      |              |            | VH         | 3.13282          | 0.00121               | PASS    |
| HCH       | TN        |                      | VL           | -18.18180  | -0.00696   | PASS             |                       |         |
|           |           |                      | VN           | -13.36098  | -0.00511   | PASS             |                       |         |
|           |           |                      | VH           | -17.59529  | -0.00674   | PASS             |                       |         |
| 20        | LCH       | TN                   | VL           | -17.91000  | -0.00694   | PASS             |                       |         |
|           |           |                      | VN           | -13.38959  | -0.00519   | PASS             |                       |         |
|           |           |                      | VH           | -13.04626  | -0.00506   | PASS             |                       |         |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   |                      | MCH          | TN         | VL         | -8.69751         | -0.00335              | PASS    |
|           |           |                      |              |            | VN         | -15.95020        | -0.00615              | PASS    |
|           |           |                      |              |            | VH         | -7.95364         | -0.00306              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -19.16885        | -0.00734              | PASS    |
|           |           |                      |              |            | VN         | -15.87868        | -0.00608              | PASS    |
|           |           |                      |              |            | VH         | -18.95428        | -0.00726              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -33.97465        | -0.01321              | PASS    |
|           |           |                      |              |            | VN         | -25.23422        | -0.00981              | PASS    |
|           |           |                      |              |            | VH         | -39.01005        | -0.01516              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -13.66138        | -0.00526              | PASS    |
|           |           |                      |              |            | VN         | -19.61231        | -0.00756              | PASS    |
|           |           |                      |              |            | VH         | -60.42480        | -0.02329              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -11.77311        | -0.00450              | PASS    |
|           |           |                      |              |            | VN         | -30.02644        | -0.01147              | PASS    |
|           |           |                      |              |            | VH         | -27.72331        | -0.01059              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -16.73698        | -0.00650              | PASS    |
|           |           |                      |              |            | VN         | -10.80036        | -0.00419              | PASS    |
|           |           |                      |              |            | VH         | -19.49787        | -0.00757              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -23.08846        | -0.00890              | PASS    |
|           |           |                      |              |            | VN         | -13.51833        | -0.00521              | PASS    |
|           |           |                      |              |            | VH         | -19.41204        | -0.00748              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -15.17773        | -0.00580              | PASS    |
|           |           |                      |              |            | VN         | -19.44065        | -0.00743              | PASS    |
|           |           |                      |              |            | VH         | -11.68728        | -0.00447              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -14.16206        | -0.00549              | PASS    |
|           |           |                      |              |            | VN         | -15.70702        | -0.00609              | PASS    |
|           |           |                      |              |            | VH         | -29.33979        | -0.01138              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.91960         | -0.00151              | PASS    |
|           |           |                      |              |            | VN         | -15.09190        | -0.00582              | PASS    |
|           |           |                      |              |            | VH         | 6.25134          | 0.00241               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -9.57012         | -0.00366              | PASS    |
|           |           |                      |              |            | VN         | -16.46519        | -0.00630              | PASS    |
|           |           |                      |              |            | VH         | -12.83169        | -0.00491              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -14.17637        | -0.00549              | PASS    |
|           |           |                      |              |            | VN         | -19.08302        | -0.00740              | PASS    |
|           |           |                      |              |            | VH         | -19.82689        | -0.00768              | PASS    |
| MCH       | TN        |                      | VL           | -11.38687  | -0.00439   | PASS             |                       |         |
|           |           |                      | VN           | -14.57691  | -0.00562   | PASS             |                       |         |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VH         | -10.34260        | -0.00399              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -14.30511        | -0.00548              | PASS    |
|           |           |                      |              |            | VN         | -18.03875        | -0.00691              | PASS    |
|           |           |                      |              |            | VH         | -15.54966        | -0.00596              | PASS    |

**8.1.2 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       | -32.17220        | -0.01251              | PASS    |
|           |           |                      |              |            | -20       | -10.90050        | -0.00424              | PASS    |
|           |           |                      |              |            | -10       | -11.00063        | -0.00428              | PASS    |
|           |           |                      |              |            | 0         | -30.95627        | -0.01203              | PASS    |
|           |           |                      |              |            | 10        | -17.29488        | -0.00672              | PASS    |
|           |           |                      |              |            | 20        | -42.64355        | -0.01658              | PASS    |
|           |           |                      |              |            | 30        | -30.64156        | -0.01191              | PASS    |
|           |           |                      |              |            | 40        | -32.75871        | -0.01273              | PASS    |
|           |           |                      | 50           | -24.91951  | -0.00969  | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30       | -23.11707        | -0.00891              | PASS    |
|           |           |                      |              |            | -20       | -24.50466        | -0.00944              | PASS    |
|           |           |                      |              |            | -10       | -22.87388        | -0.00881              | PASS    |
|           |           |                      |              |            | 0         | -39.38198        | -0.01518              | PASS    |
|           |           |                      |              |            | 10        | -16.57963        | -0.00639              | PASS    |
|           |           |                      |              |            | 20        | -43.70213        | -0.01684              | PASS    |
|           |           |                      |              |            | 30        | -22.81666        | -0.00879              | PASS    |
|           |           |                      |              |            | 40        | -20.45631        | -0.00788              | PASS    |
|           |           |                      | 50           | -26.90792  | -0.01037  | PASS             |                       |         |
|           |           |                      | HCH          | VN         | -30       | -20.74242        | -0.00792              | PASS    |
|           |           |                      |              |            | -20       | -23.87524        | -0.00912              | PASS    |
|           |           |                      |              |            | -10       | -23.44608        | -0.00896              | PASS    |
|           |           |                      |              |            | 0         | -38.95283        | -0.01488              | PASS    |
|           |           |                      |              |            | 10        | -26.49307        | -0.01012              | PASS    |
|           |           |                      |              |            | 20        | -25.99239        | -0.00993              | PASS    |
|           |           | 30                   |              |            | -28.89633 | -0.01104         | PASS                  |         |
|           |           | 40                   |              |            | -25.52032 | -0.00975         | PASS                  |         |
|           |           | 50                   | -28.15247    | -0.01076   | PASS      |                  |                       |         |
|           |           | 10                   | LCH          | VN         | -30       | -34.51824        | -0.01341              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|------|
|           |           |                      |              |            | -20       | -14.60552        | -0.00567              | PASS     |      |
|           |           |                      |              |            | -10       | -14.36234        | -0.00558              | PASS     |      |
|           |           |                      |              |            | 0         | -18.62526        | -0.00723              | PASS     |      |
|           |           |                      |              |            | 10        | -22.27306        | -0.00865              | PASS     |      |
|           |           |                      |              |            | 20        | -16.20770        | -0.00629              | PASS     |      |
|           |           |                      |              |            | 30        | -25.34866        | -0.00984              | PASS     |      |
|           |           |                      |              |            | 40        | -18.09597        | -0.00703              | PASS     |      |
|           |           |                      |              |            | 50        | -11.90186        | -0.00462              | PASS     |      |
|           |           |                      | MCH          | VN         | -30       | -28.72467        | -0.01107              | PASS     |      |
|           |           |                      |              |            | -20       | -19.16885        | -0.00739              | PASS     |      |
|           |           |                      |              |            | -10       | -13.94749        | -0.00537              | PASS     |      |
|           |           |                      |              |            | 0         | -21.27171        | -0.00820              | PASS     |      |
|           |           |                      |              |            | 10        | -14.29081        | -0.00551              | PASS     |      |
|           |           |                      |              |            | 20        | -16.60824        | -0.00640              | PASS     |      |
|           |           |                      |              |            | 30        | -21.12865        | -0.00814              | PASS     |      |
|           |           |                      |              |            | 40        | -20.05577        | -0.00773              | PASS     |      |
|           |           |                      | HCH          | VN         | -30       | -30.02644        | -0.01148              | PASS     |      |
|           |           |                      |              |            | -20       | -18.36777        | -0.00702              | PASS     |      |
|           |           |                      |              |            | -10       | -22.80235        | -0.00872              | PASS     |      |
|           |           |                      |              |            | 0         | -21.52920        | -0.00823              | PASS     |      |
|           |           |                      |              |            | 10        | -14.90593        | -0.00570              | PASS     |      |
|           |           |                      |              |            | 20        | -24.14703        | -0.00923              | PASS     |      |
|           |           |                      |              |            | 30        | -26.22128        | -0.01003              | PASS     |      |
|           |           |                      |              |            | 40        | -23.26012        | -0.00889              | PASS     |      |
|           |           |                      | 15           | LCH        | VN        | -30              | -22.04418             | -0.00855 | PASS |
|           |           |                      |              |            |           | -20              | -27.68040             | -0.01074 | PASS |
|           |           |                      |              |            |           | -10              | -22.98832             | -0.00892 | PASS |
|           |           |                      |              |            |           | 0                | -11.74450             | -0.00456 | PASS |
|           |           |                      |              |            |           | 10               | -12.37392             | -0.00480 | PASS |
|           |           |                      |              |            |           | 20               | -16.32214             | -0.00633 | PASS |
|           |           |                      |              |            |           | 30               | -26.04961             | -0.01011 | PASS |
|           |           |                      |              |            |           | 40               | -11.88755             | -0.00461 | PASS |
|           |           |                      |              | MCH        | VN        | -30              | -1.02997              | -0.00040 | PASS |
|           |           |                      |              |            |           | -20              | 10.01358              | 0.00386  | PASS |
|           |           |                      |              |            |           | -10              | 20.94269              | 0.00807  | PASS |
|           |           |                      |              |            |           | 0                | 22.74513              | 0.00876  | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict   |           |          |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|-----------|-----------|----------|------|
|           |           |                      |              |            | 10        | -12.44545        | -0.00480              | PASS      |           |          |      |
|           |           |                      |              |            | 20        | -18.51082        | -0.00713              | PASS      |           |          |      |
|           |           |                      |              |            | 30        | -22.64500        | -0.00873              | PASS      |           |          |      |
|           |           |                      |              |            | 40        | -21.85822        | -0.00842              | PASS      |           |          |      |
|           |           |                      |              |            | 50        | -21.32893        | -0.00822              | PASS      |           |          |      |
|           |           |                      | HCH          | VN         |           |                  |                       | -30       | -18.25333 | -0.00699 | PASS |
|           |           |                      |              |            |           |                  |                       | -20       | -20.02716 | -0.00767 | PASS |
|           |           |                      |              |            |           |                  |                       | -10       | -25.14839 | -0.00963 | PASS |
|           |           |                      |              |            |           |                  |                       | 0         | -14.03332 | -0.00537 | PASS |
|           |           |                      |              |            |           |                  |                       | 10        | -13.26084 | -0.00508 | PASS |
|           |           |                      |              |            |           |                  |                       | 20        | -13.36098 | -0.00511 | PASS |
|           |           |                      |              |            |           |                  |                       | 30        | -19.06872 | -0.00730 | PASS |
|           |           |                      |              |            |           |                  |                       | 40        | -15.89298 | -0.00608 | PASS |
|           |           |                      |              |            |           |                  |                       | 50        | -18.45360 | -0.00706 | PASS |
|           |           |                      |              |            |           |                  |                       | LCH       | VN        |          |      |
|           |           |                      | -20          | -16.50810  | -0.00640  | PASS             |                       |           |           |          |      |
|           |           |                      | -10          | -13.20362  | -0.00512  | PASS             |                       |           |           |          |      |
|           |           |                      | 0            | -14.31942  | -0.00555  | PASS             |                       |           |           |          |      |
|           |           |                      | 10           | -12.98904  | -0.00503  | PASS             |                       |           |           |          |      |
|           |           |                      | 20           | -13.38959  | -0.00519  | PASS             |                       |           |           |          |      |
|           |           | 30                   | -14.04762    | -0.00544   | PASS      |                  |                       |           |           |          |      |
|           |           | 40                   | -23.20290    | -0.00899   | PASS      |                  |                       |           |           |          |      |
|           |           | 50                   | -15.07759    | -0.00584   | PASS      |                  |                       |           |           |          |      |
|           |           | MCH                  | VN           |            |           |                  | -30                   |           |           |          |      |
|           |           |                      |              |            |           |                  | -20                   | 10.45704  | 0.00403   | PASS     |      |
|           |           |                      |              |            |           |                  | -10                   | 9.69887   | 0.00374   | PASS     |      |
|           |           |                      |              |            |           |                  | 0                     | 17.62390  | 0.00679   | PASS     |      |
|           |           |                      |              |            |           |                  | 10                    | -16.42227 | -0.00633  | PASS     |      |
|           |           |                      |              |            |           |                  | 20                    | -15.95020 | -0.00615  | PASS     |      |
|           |           |                      |              |            |           |                  | 30                    | -15.95020 | -0.00615  | PASS     |      |
|           |           |                      |              |            |           |                  | 40                    | -14.83440 | -0.00572  | PASS     |      |
|           |           | HCH                  | VN           |            |           |                  | 50                    | -15.70702 | -0.00605  | PASS     |      |
|           |           |                      |              |            |           |                  | -30                   | -15.30647 | -0.00586  | PASS     |      |
|           |           |                      |              |            |           |                  | -20                   | -16.47949 | -0.00631  | PASS     |      |
|           |           |                      |              |            |           |                  | -10                   | -15.33508 | -0.00588  | PASS     |      |
|           |           |                      |              |            |           |                  | 0                     | -15.23495 | -0.00584  | PASS     |      |
|           |           |                      |              |            |           |                  | 10                    | -13.71861 | -0.00526  | PASS     |      |
|           |           |                      |              |            |           |                  | 20                    | -15.87868 | -0.00608  | PASS     |      |
|           |           |                      |              |            |           |                  | 30                    | -17.43793 | -0.00668  | PASS     |      |
|           |           |                      |              | 20         |           |                  |                       |           |           |          |      |

| 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         | 40        | -17.60960        | -0.00675              | PASS    |
|           |           |                      |              |            | 50        | -19.52648        | -0.00748              | PASS    |
|           |           |                      |              |            | -30       | -33.11634        | -0.01287              | PASS    |
|           |           |                      |              |            | -20       | -39.09588        | -0.01520              | PASS    |
|           |           |                      |              |            | -10       | -16.03603        | -0.00623              | PASS    |
|           |           |                      |              |            | 0         | -21.21449        | -0.00825              | PASS    |
|           |           |                      |              |            | 10        | -65.57465        | -0.02549              | PASS    |
|           |           |                      |              |            | 20        | -25.23422        | -0.00981              | PASS    |
|           |           |                      |              |            | 30        | -55.27496        | -0.02149              | PASS    |
|           |           |                      | 40           | -59.12304  | -0.02298  | PASS             |                       |         |
|           |           |                      | 50           | -23.37456  | -0.00909  | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30       | -23.97537        | -0.00924              | PASS    |
|           |           |                      |              |            | -20       | -21.34323        | -0.00822              | PASS    |
|           |           |                      |              |            | -10       | -27.83775        | -0.01073              | PASS    |
|           |           |                      |              |            | 0         | -19.48357        | -0.00751              | PASS    |
|           |           |                      |              |            | 10        | -20.28465        | -0.00782              | PASS    |
|           |           |                      |              |            | 20        | -19.61231        | -0.00756              | PASS    |
|           |           |                      |              |            | 30        | -22.98832        | -0.00886              | PASS    |
|           |           | 40                   |              |            | -17.23766 | -0.00664         | PASS                  |         |
|           |           | 50                   |              |            | -18.72540 | -0.00722         | PASS                  |         |
|           |           | HCH                  | VN           | -30        | -24.94812 | -0.00953         | PASS                  |         |
|           |           |                      |              | -20        | -26.69334 | -0.01020         | PASS                  |         |
|           |           |                      |              | -10        | -26.27850 | -0.01004         | PASS                  |         |
|           |           |                      |              | 0          | -29.75464 | -0.01137         | PASS                  |         |
|           |           |                      |              | 10         | -18.66817 | -0.00713         | PASS                  |         |
|           |           |                      |              | 20         | -30.02644 | -0.01147         | PASS                  |         |
|           |           |                      |              | 30         | -17.56668 | -0.00671         | PASS                  |         |
|           |           |                      |              | 40         | -20.24174 | -0.00773         | PASS                  |         |
|           |           |                      |              | 50         | -26.67904 | -0.01019         | PASS                  |         |
|           |           | 10                   | LCH          | VN         | -30       | -34.90448        | -0.01356              | PASS    |
|           |           |                      |              |            | -20       | -16.33644        | -0.00634              | PASS    |
|           |           |                      |              |            | -10       | -12.41684        | -0.00482              | PASS    |
|           |           |                      |              |            | 0         | -28.92494        | -0.01123              | PASS    |
| 10        | -16.37936 |                      |              |            | -0.00636  | PASS             |                       |         |
| 20        | -10.80036 |                      |              |            | -0.00419  | PASS             |                       |         |
| 30        | -26.19267 |                      |              |            | -0.01017  | PASS             |                       |         |
| 40        | -21.25740 |                      |              |            | -0.00826  | PASS             |                       |         |
| 50        | -12.68864 |                      |              |            | -0.00493  | PASS             |                       |         |
| MCH       | VN        |                      | -30          | -28.99647  | -0.01117  | PASS             |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|------|
|           |           |                      |              |            | -20       | -14.09054        | -0.00543              | PASS     |      |
|           |           |                      |              |            | -10       | -16.99448        | -0.00655              | PASS     |      |
|           |           |                      |              |            | 0         | -27.09389        | -0.01044              | PASS     |      |
|           |           |                      |              |            | 10        | -16.22200        | -0.00625              | PASS     |      |
|           |           |                      |              |            | 20        | -13.51833        | -0.00521              | PASS     |      |
|           |           |                      |              |            | 30        | -16.85143        | -0.00649              | PASS     |      |
|           |           |                      |              |            | 40        | -22.78805        | -0.00878              | PASS     |      |
|           |           |                      |              |            | 50        | -14.11915        | -0.00544              | PASS     |      |
|           |           |                      | HCH          | VN         | -30       | -17.59529        | -0.00673              | PASS     |      |
|           |           |                      |              |            | -20       | -14.46247        | -0.00553              | PASS     |      |
|           |           |                      |              |            | -10       | -13.06057        | -0.00499              | PASS     |      |
|           |           |                      |              |            | 0         | -19.42635        | -0.00743              | PASS     |      |
|           |           |                      |              |            | 10        | -14.49108        | -0.00554              | PASS     |      |
|           |           |                      |              |            | 20        | -19.44065        | -0.00743              | PASS     |      |
|           |           |                      |              |            | 30        | -21.15726        | -0.00809              | PASS     |      |
|           |           |                      |              |            | 40        | -28.65314        | -0.01096              | PASS     |      |
|           |           |                      | 15           | LCH        | VN        | -30              | -16.45088             | -0.00638 | PASS |
|           |           |                      |              |            |           | -20              | -20.95699             | -0.00813 | PASS |
|           |           |                      |              |            |           | -10              | -23.11707             | -0.00897 | PASS |
|           |           |                      |              |            |           | 0                | -11.70158             | -0.00454 | PASS |
|           |           | 10                   |              |            |           | -16.53671        | -0.00642              | PASS     |      |
|           |           | 20                   |              |            |           | -15.70702        | -0.00609              | PASS     |      |
|           |           | 30                   |              |            |           | -21.24310        | -0.00824              | PASS     |      |
|           |           | 40                   |              |            |           | -14.13345        | -0.00548              | PASS     |      |
|           |           | MCH                  |              | VN         | -30       | -5.60761         | -0.00216              | PASS     |      |
|           |           |                      |              |            | -20       | 19.55509         | 0.00754               | PASS     |      |
|           |           |                      |              |            | -10       | 22.43042         | 0.00864               | PASS     |      |
|           |           |                      |              |            | 0         | 12.76016         | 0.00492               | PASS     |      |
|           |           |                      |              |            | 10        | -15.97881        | -0.00616              | PASS     |      |
|           |           |                      |              |            | 20        | -15.09190        | -0.00582              | PASS     |      |
|           |           |                      |              |            | 30        | -23.34595        | -0.00900              | PASS     |      |
|           |           |                      |              |            | 40        | -17.36641        | -0.00669              | PASS     |      |
|           |           | HCH                  |              | VN         | -30       | -18.86845        | -0.00722              | PASS     |      |
|           |           |                      |              |            | -20       | -23.38886        | -0.00895              | PASS     |      |
|           |           |                      |              |            | -10       | -21.60072        | -0.00827              | PASS     |      |
|           |           |                      |              |            | 0         | -16.00742        | -0.00613              | PASS     |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |           |          |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|-----------|----------|------|
|           |           |                      |              |            | 10        | -17.25197        | -0.00660              | PASS    |           |          |      |
|           |           |                      |              |            | 20        | -16.46519        | -0.00630              | PASS    |           |          |      |
|           |           |                      |              |            | 30        | -28.55301        | -0.01093              | PASS    |           |          |      |
|           |           |                      |              |            | 40        | -15.92159        | -0.00609              | PASS    |           |          |      |
|           |           |                      |              |            | 50        | -17.70973        | -0.00678              | PASS    |           |          |      |
|           |           |                      |              |            | 20        | LCH              | VN                    | -30     | -19.25468 | -0.00746 | PASS |
|           |           |                      |              |            |           |                  |                       | -20     | -15.13481 | -0.00587 | PASS |
|           |           |                      |              |            |           |                  |                       | -10     | -18.99719 | -0.00736 | PASS |
|           |           |                      |              |            |           |                  |                       | 0       | -16.79420 | -0.00651 | PASS |
|           |           |                      |              |            |           |                  |                       | 10      | -16.49380 | -0.00639 | PASS |
|           |           | 20                   | -19.08302    | -0.00740   |           |                  |                       | PASS    |           |          |      |
|           |           | 30                   | -15.43522    | -0.00598   |           |                  |                       | PASS    |           |          |      |
|           |           | 40                   | -22.61639    | -0.00877   |           |                  |                       | PASS    |           |          |      |
|           |           | 50                   | -18.19611    | -0.00705   |           |                  |                       | PASS    |           |          |      |
|           |           | 20                   | MCH          | VN         |           |                  |                       | -30     | -6.32286  | -0.00244 | PASS |
|           |           |                      |              |            | -20       | 11.73019         | 0.00452               | PASS    |           |          |      |
|           |           |                      |              |            | -10       | 11.32965         | 0.00437               | PASS    |           |          |      |
|           |           |                      |              |            | 0         | 18.38207         | 0.00708               | PASS    |           |          |      |
|           |           |                      |              |            | 10        | -15.53535        | -0.00599              | PASS    |           |          |      |
|           |           |                      |              |            | 20        | -14.57691        | -0.00562              | PASS    |           |          |      |
|           |           |                      |              |            | 30        | -12.15935        | -0.00469              | PASS    |           |          |      |
|           |           |                      |              |            | 40        | -15.99312        | -0.00616              | PASS    |           |          |      |
|           |           |                      |              |            | 50        | -15.50674        | -0.00598              | PASS    |           |          |      |
|           |           |                      |              |            | 20        | HCH              | VN                    | -30     | -16.39366 | -0.00628 | PASS |
|           |           | -20                  | -19.52648    | -0.00748   |           |                  |                       | PASS    |           |          |      |
|           |           | -10                  | -17.65251    | -0.00676   |           |                  |                       | PASS    |           |          |      |
|           |           | 0                    | -16.30783    | -0.00625   |           |                  |                       | PASS    |           |          |      |
|           |           | 10                   | -13.94749    | -0.00534   |           |                  |                       | PASS    |           |          |      |
|           |           | 20                   | -18.03875    | -0.00691   |           |                  |                       | PASS    |           |          |      |
|           |           | 30                   | -19.28329    | -0.00739   |           |                  |                       | PASS    |           |          |      |
| 40        | -20.55645 | -0.00788             | PASS         |            |           |                  |                       |         |           |          |      |
| 50        | -16.47949 | -0.00631             | PASS         |            |           |                  |                       |         |           |          |      |

END