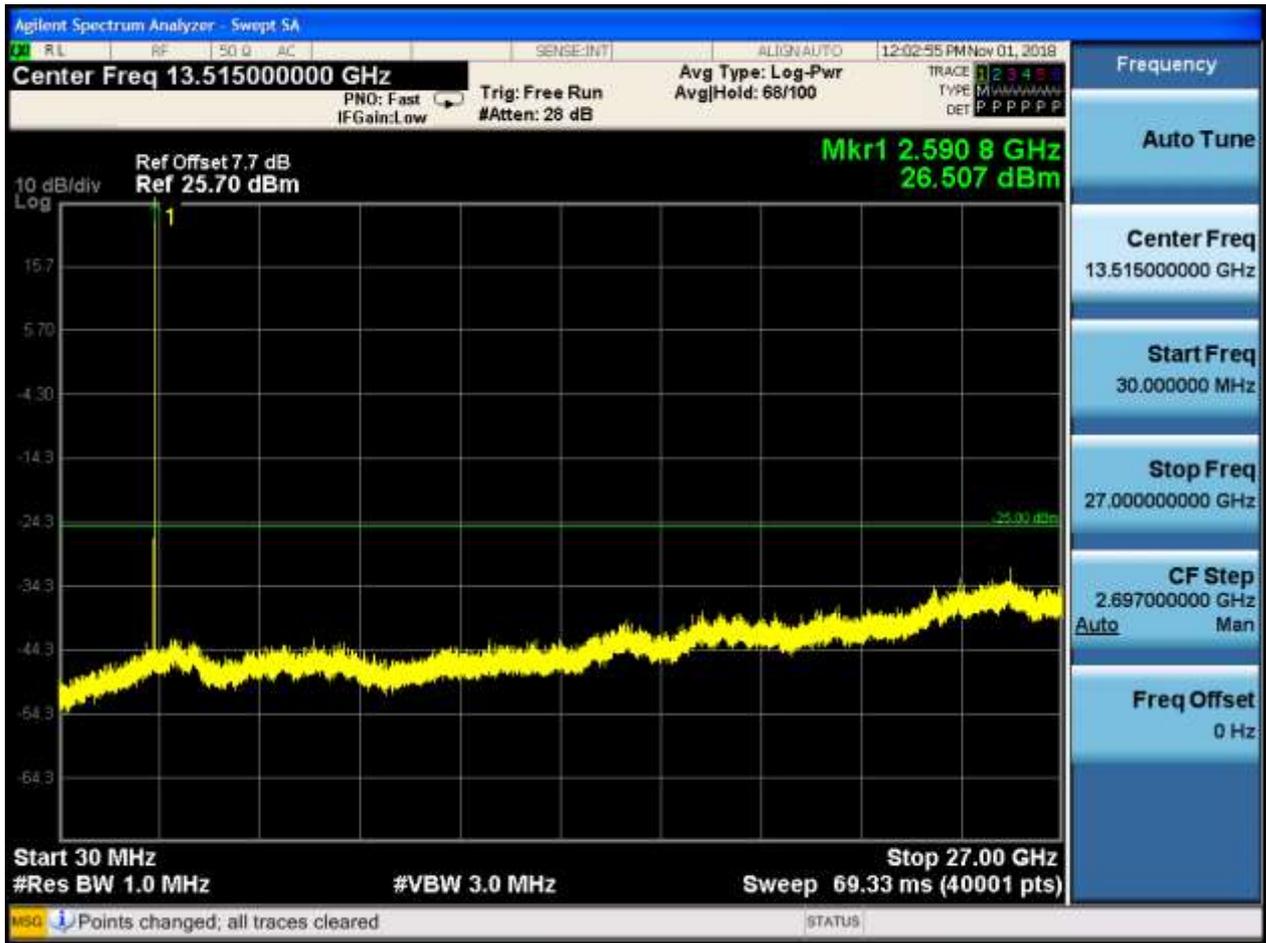


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0







6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







## 6.1.1.1.2 Test Bandwidth = 10

## 6.1.1.1.2.1 Test Channel = LCH

## 6.1.1.1.2.1.1 Test RB = RB1#0









6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0









6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



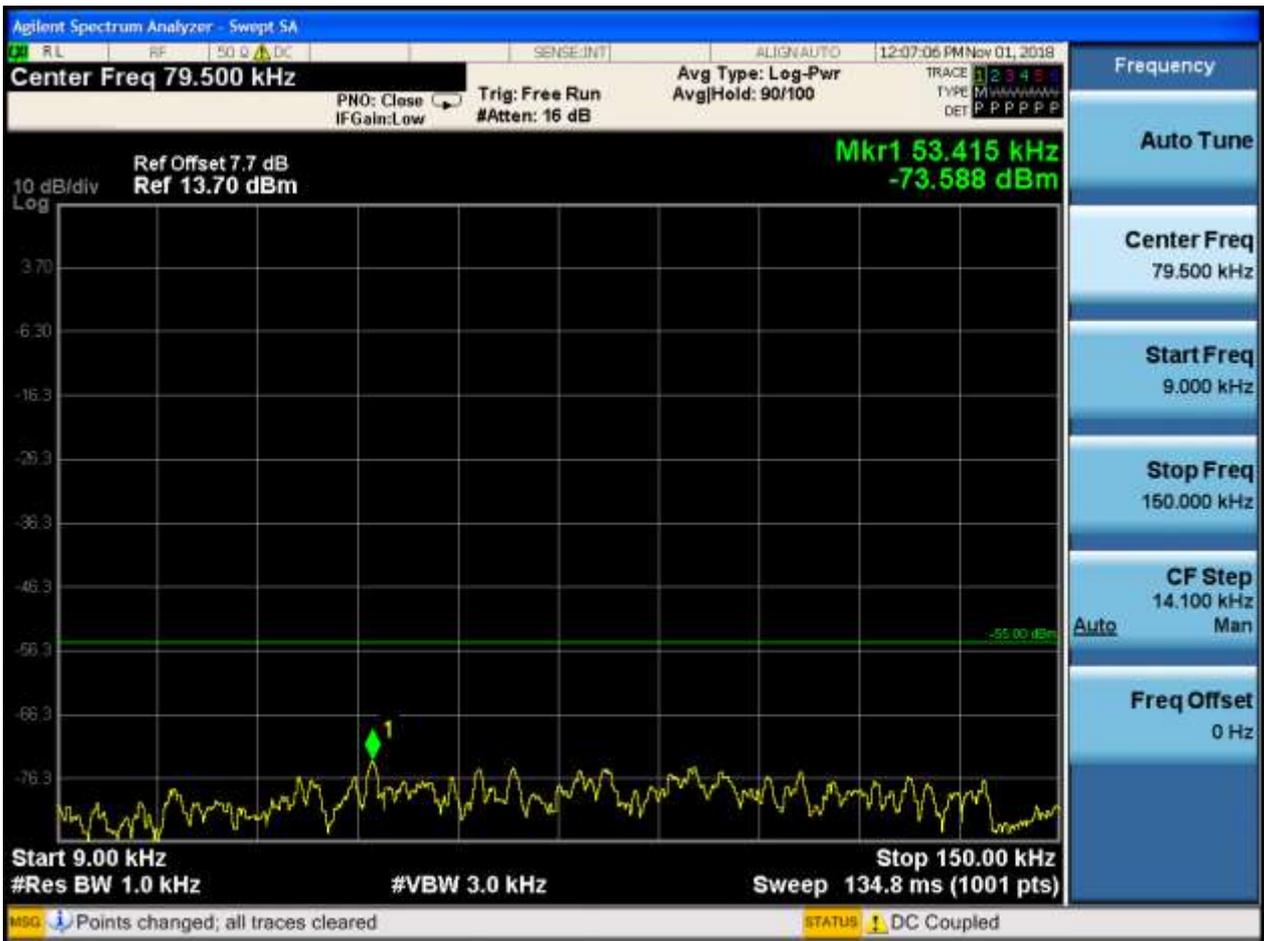




6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0







6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0







6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0









6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0







## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0







6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0







6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

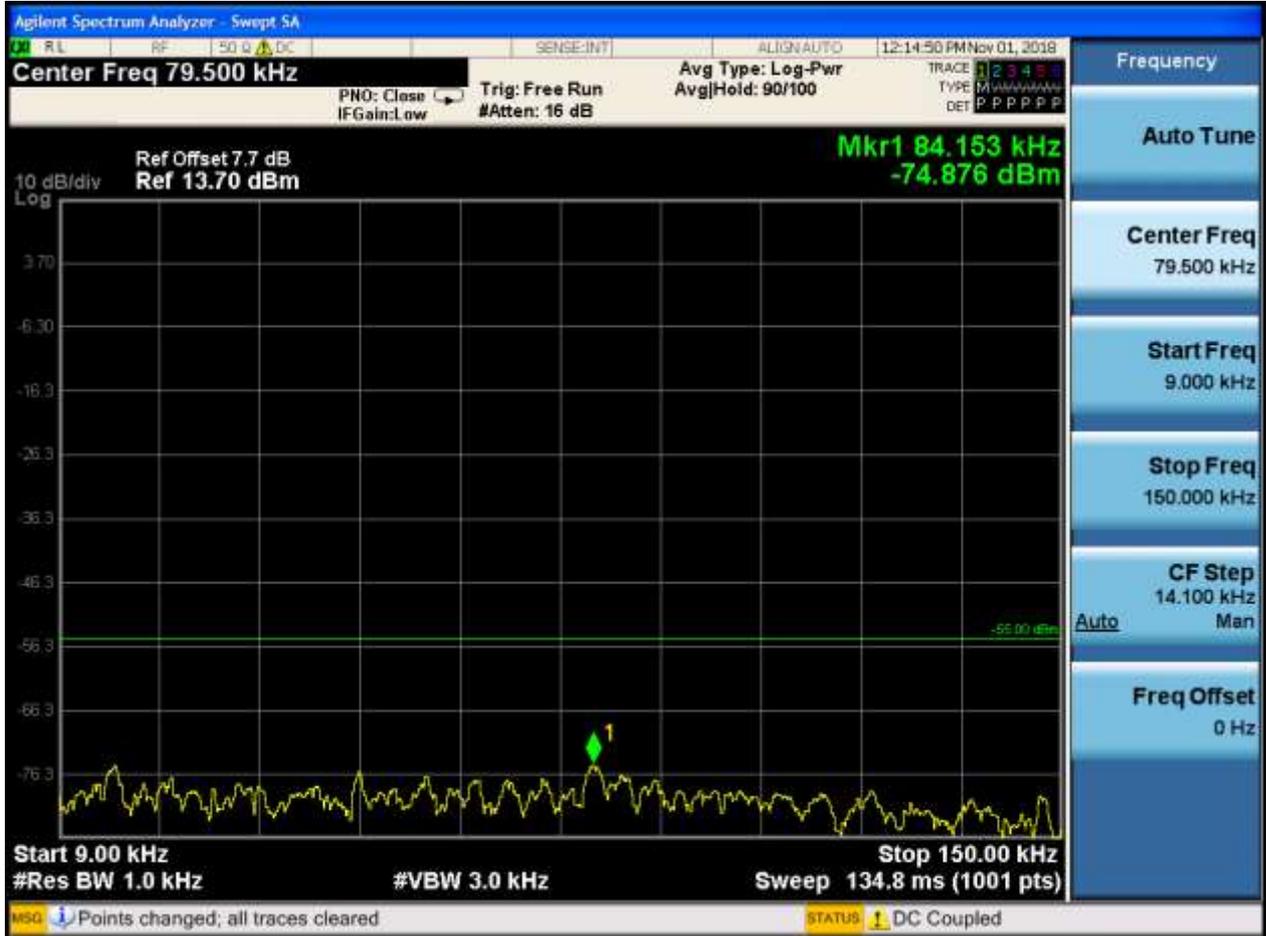






6.1.1.2.1.3 Test Channel = HCH

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







6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 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







6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





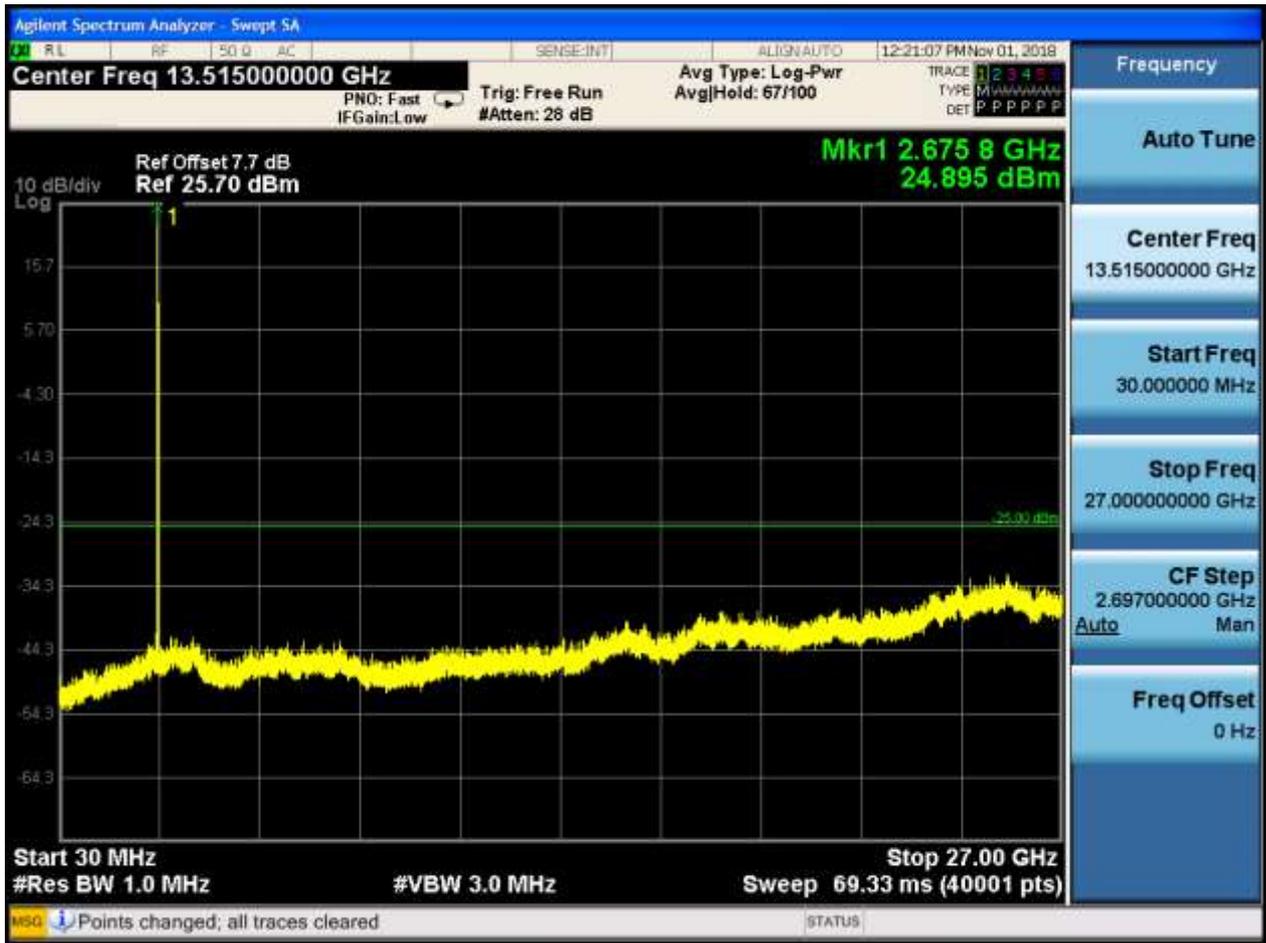


6.1.1.2.3.3 Test Channel = HCH

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

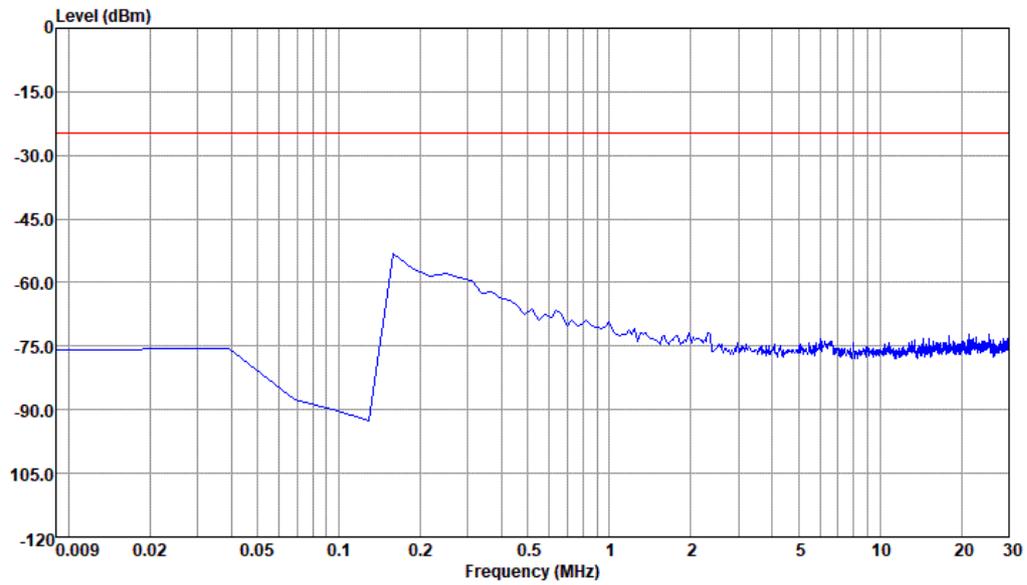
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND41

##### 7.1.1.1 Test Bandwidth = 5

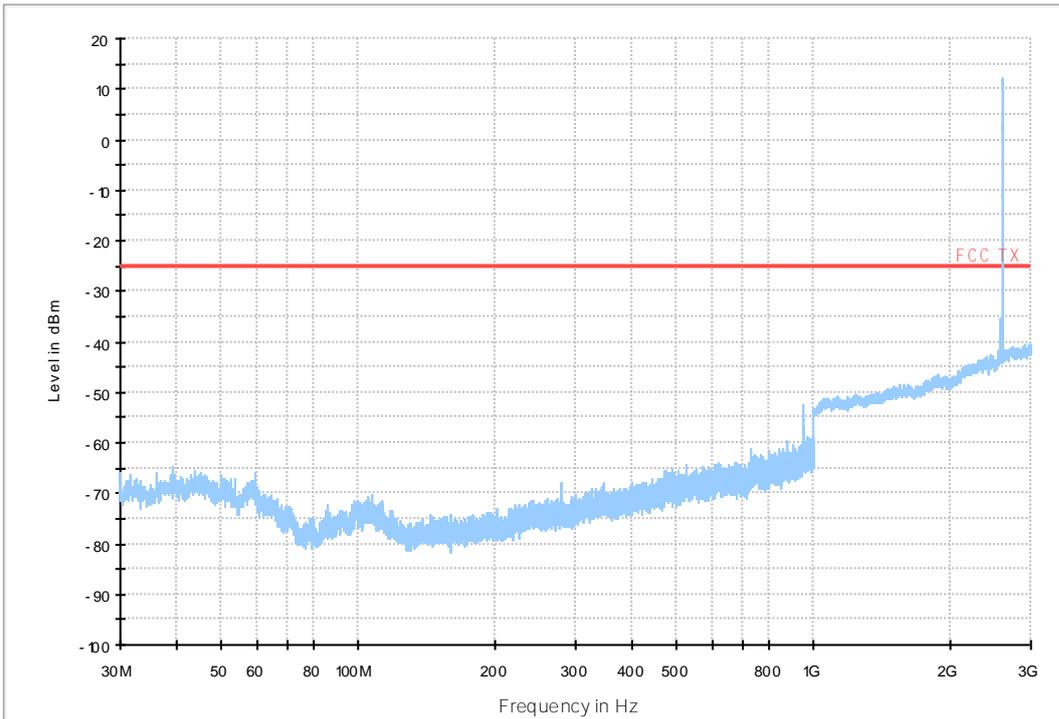


Data: 66

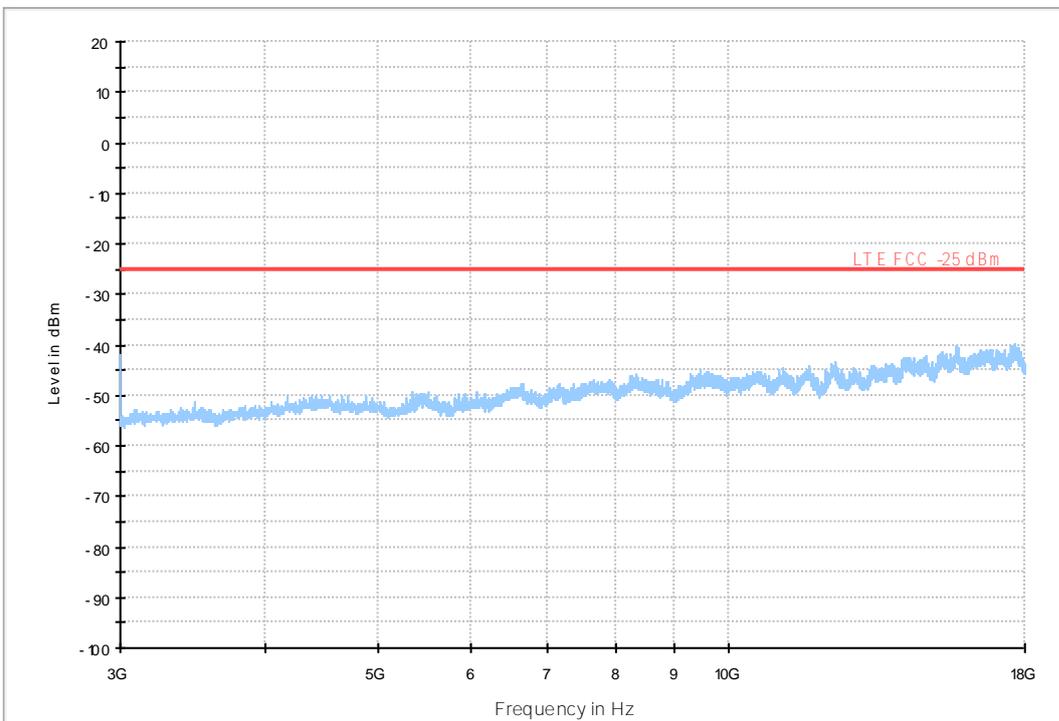




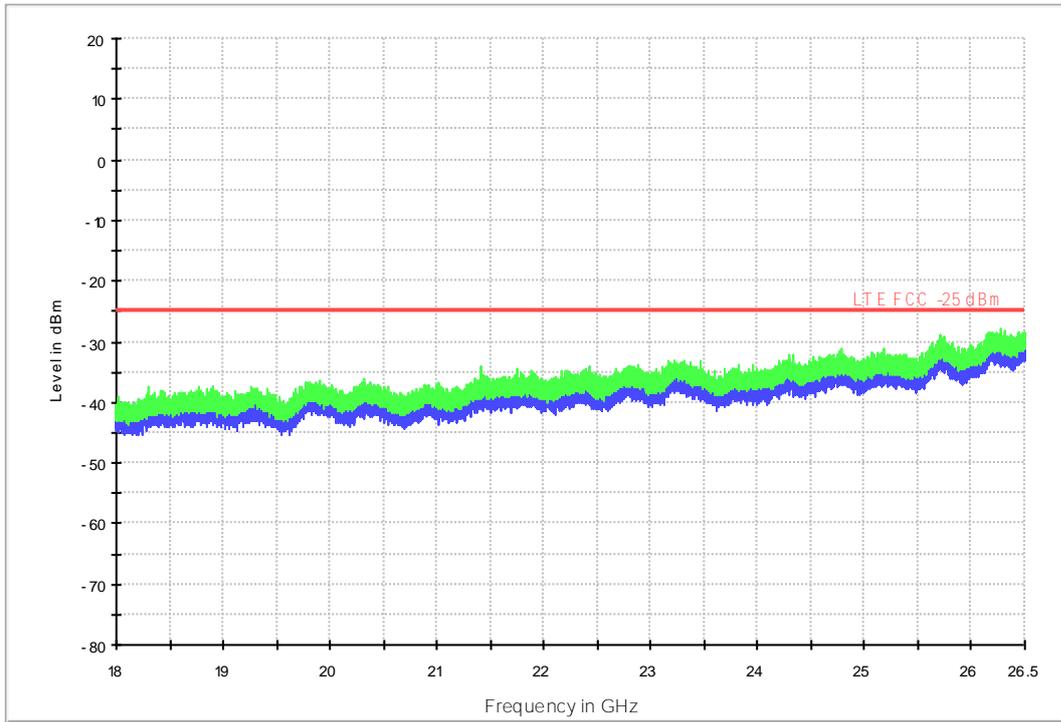
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



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



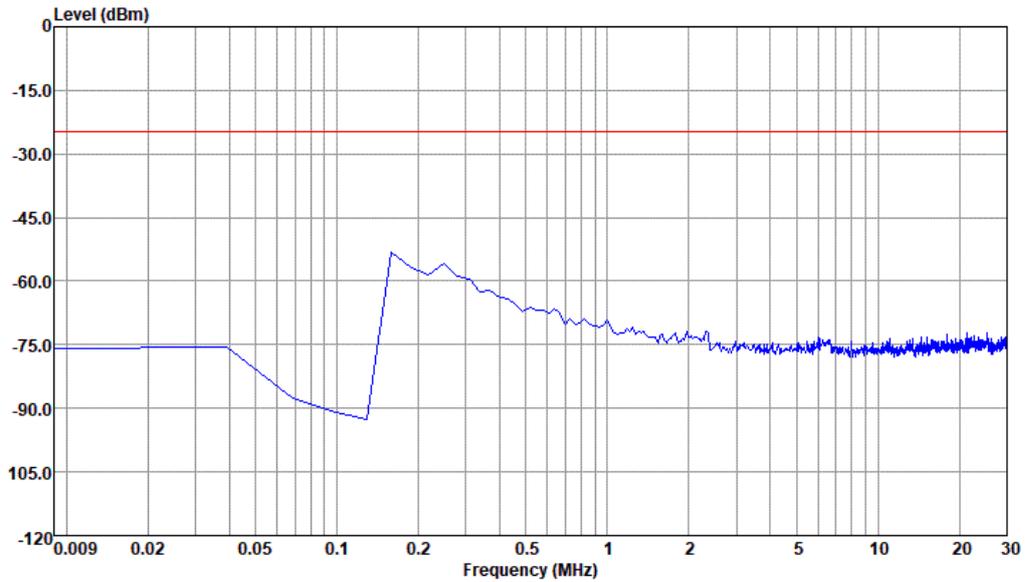
18G-26.5G RSE-TX-DIRECT OR ABOVE 1.5G PK



### 7.1.1.2 Test Bandwidth = 20

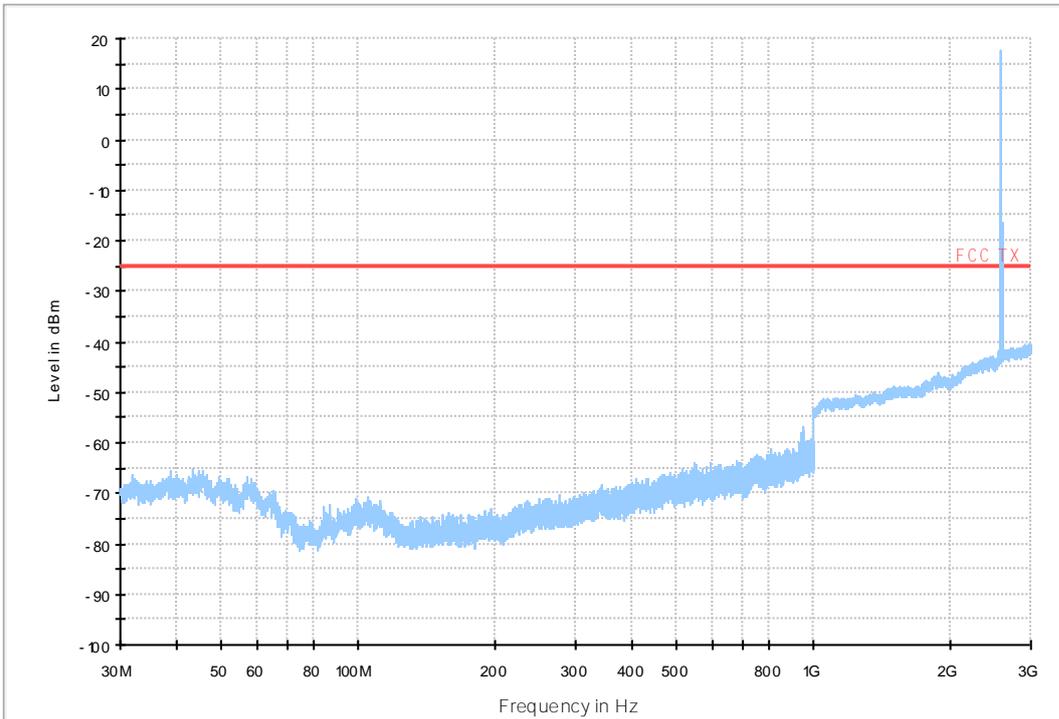


Data: 69

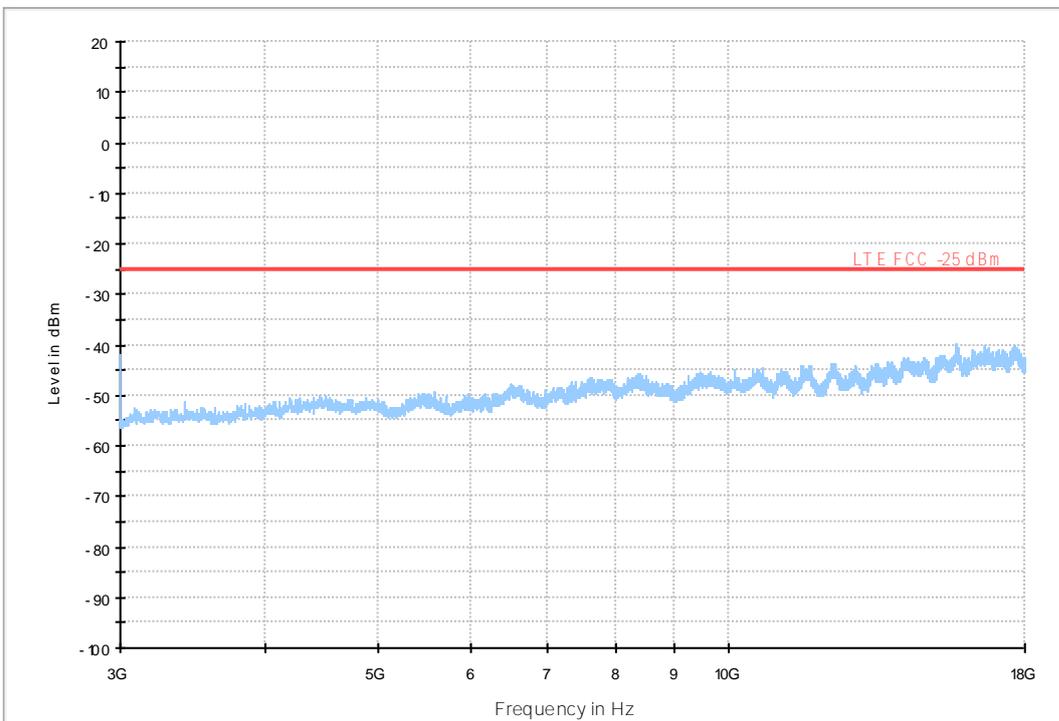




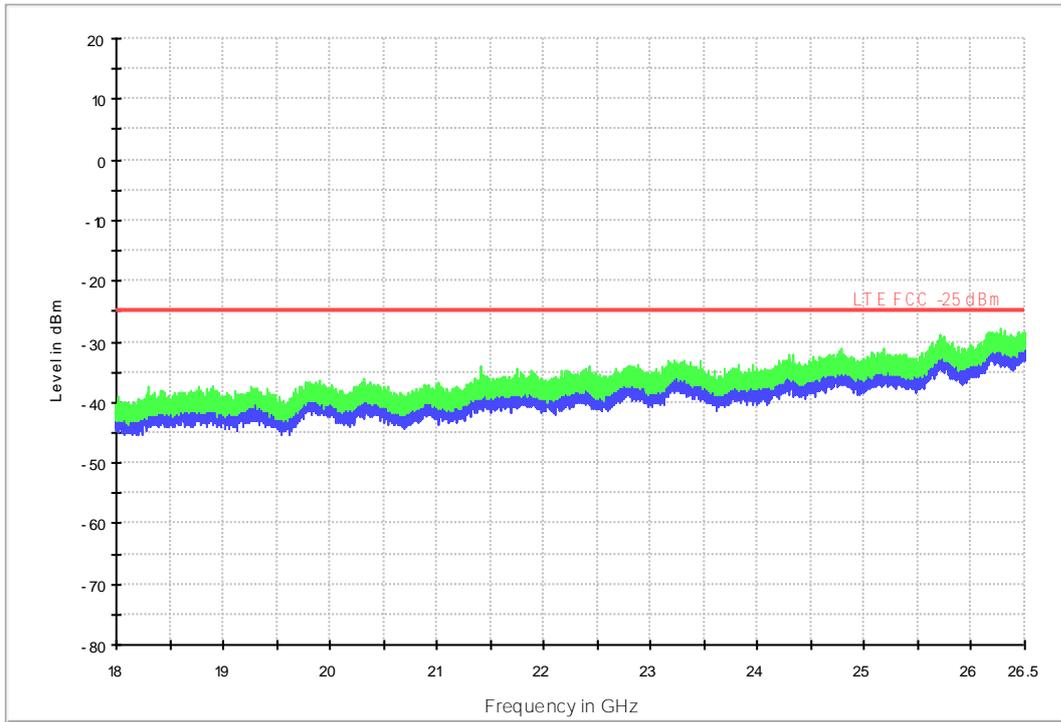
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G\_L -25dBm limit



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



18G~26.5G RSE-TX-DIRECT OR 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND41    | LTE/TM1   | 5                    | LCH          | TN         | VL         | -13.96           | -0.00559              | PASS    |
|           |           |                      |              |            | VN         | -6.91            | -0.00277              | PASS    |
|           |           |                      |              |            | VH         | -13.82           | -0.00553              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -34.69           | -0.01338              | PASS    |
|           |           |                      |              |            | VN         | -30.66           | -0.01182              | PASS    |
|           |           |                      |              |            | VH         | -22.47           | -0.00867              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -22.34           | -0.00831              | PASS    |
|           |           |                      |              |            | VN         | -29.37           | -0.01093              | PASS    |
|           |           |                      |              |            | VH         | -22.83           | -0.00849              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -20.96           | -0.00838              | PASS    |
|           |           |                      |              |            | VN         | -9.91            | -0.00396              | PASS    |
|           |           |                      |              |            | VH         | -6.18            | -0.00247              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -24.06           | -0.00928              | PASS    |
|           |           |                      |              |            | VN         | -24.16           | -0.00932              | PASS    |
|           |           |                      |              |            | VH         | -21.44           | -0.00827              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -24.99           | -0.00931              | PASS    |
|           |           |                      |              |            | VN         | -22.73           | -0.00847              | PASS    |
|           |           |                      |              |            | VH         | -19.56           | -0.00728              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -11.32           | -0.00452              | PASS    |
|           |           |                      |              |            | VN         | -12.65           | -0.00505              | PASS    |
|           |           |                      |              |            | VH         | -15.56           | -0.00622              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -23              | -0.00887              | PASS    |
|           |           |                      |              |            | VN         | -21.13           | -0.00815              | PASS    |
|           |           |                      |              |            | VH         | -19.15           | -0.00739              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -18.83           | -0.00702              | PASS    |
|           |           |                      |              |            | VN         | -16.45           | -0.00613              | PASS    |
|           |           |                      |              |            | VH         | -21.69           | -0.00809              | PASS    |
| 20        | LCH       | TN                   | VL           | -13.18     | -0.00526   | PASS             |                       |         |
|           |           |                      | VN           | -15.91     | -0.00635   | PASS             |                       |         |
|           |           |                      | VH           | -17.34     | -0.00692   | PASS             |                       |         |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |          |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|----------|------|
|           | LTE/TM2   | 5                    | MCH          | TN         | VL         | -17.9            | -0.0069               | PASS    |          |      |
|           |           |                      |              |            | VN         | -21.24           | -0.00819              | PASS    |          |      |
|           |           |                      |              |            | VH         | -17.15           | -0.00661              | PASS    |          |      |
|           |           |                      | HCH          | TN         | VL         | -20.28           | -0.00757              | PASS    |          |      |
|           |           |                      |              |            | VN         | -17.78           | -0.00663              | PASS    |          |      |
|           |           |                      |              |            | VH         | -17.91           | -0.00668              | PASS    |          |      |
|           |           | 10                   | LCH          | TN         | VL         | -14.05           | -0.00562              | PASS    |          |      |
|           |           |                      |              |            | VN         | -15.66           | -0.00627              | PASS    |          |      |
|           |           |                      |              |            | VH         | -21.09           | -0.00844              | PASS    |          |      |
|           |           |                      | MCH          | TN         | VL         | -20.5            | -0.00791              | PASS    |          |      |
|           |           |                      |              |            | VN         | -24.46           | -0.00943              | PASS    |          |      |
|           |           |                      |              |            | VH         | -38.11           | -0.0147               | PASS    |          |      |
|           |           |                      | HCH          | TN         | VL         | -19.78           | -0.00736              | PASS    |          |      |
|           |           |                      |              |            | VN         | -22.06           | -0.00821              | PASS    |          |      |
|           |           |                      |              |            | VH         | -21.17           | -0.00788              | PASS    |          |      |
|           |           | 15                   | LCH          | TN         | VL         | -6.41            | -0.00256              | PASS    |          |      |
|           |           |                      |              |            | VN         | -11.63           | -0.00465              | PASS    |          |      |
|           |           |                      |              |            | VH         | -12.55           | -0.00502              | PASS    |          |      |
|           |           |                      | MCH          | TN         | VL         | -19.9            | -0.00767              | PASS    |          |      |
|           |           |                      |              |            | VN         | -22.79           | -0.00879              | PASS    |          |      |
|           |           |                      |              |            | VH         | -21.86           | -0.00843              | PASS    |          |      |
|           |           | HCH                  | TN           | VL         | -17.61     | -0.00656         | PASS                  |         |          |      |
|           |           |                      |              | VN         | -19.13     | -0.00712         | PASS                  |         |          |      |
|           |           |                      |              | VH         | -18.22     | -0.00679         | PASS                  |         |          |      |
|           |           | 20                   | LCH          | TN         | VL         | -14.39           | -0.00575              | PASS    |          |      |
|           |           |                      |              |            | VN         | -13.9            | -0.00555              | PASS    |          |      |
|           |           |                      |              |            | VH         | -14.89           | -0.00595              | PASS    |          |      |
|           |           |                      | MCH          | TN         | VL         | -18.57           | -0.00716              | PASS    |          |      |
|           |           |                      |              |            | VN         | -18              | -0.00694              | PASS    |          |      |
|           |           |                      |              |            | VH         | -20.66           | -0.00797              | PASS    |          |      |
|           |           | HCH                  | TN           | VL         | -18.58     | -0.00693         | PASS                  |         |          |      |
|           |           |                      |              | VN         | -17.71     | -0.0066          | PASS                  |         |          |      |
|           |           |                      |              | VH         | -16.98     | -0.00633         | PASS                  |         |          |      |
|           |           | 20                   | LCH          | TN         | VL         | -16.55           | -0.0066               | PASS    |          |      |
|           |           |                      |              |            | VN         | -12.67           | -0.00506              | PASS    |          |      |
|           |           |                      | MCH          | TN         | VH         | -17.42           | -0.00695              | PASS    |          |      |
|           |           |                      |              |            | VL         | -19.15           | -0.00739              | PASS    |          |      |
|           |           |                      |              |            |            |                  | VN                    | -22.49  | -0.00867 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VH         | -18.01           | -0.00695              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -17.8            | -0.00664              | PASS    |
|           |           |                      |              |            | VN         | -18.53           | -0.00691              | PASS    |
|           |           |                      |              |            | VH         | -17.22           | -0.00643              | 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND41    | LTE/TM1   | 5                    | LCH          | VN         | -30        | -18.54           | -0.00742              | PASS    |
|           |           |                      |              |            | -20        | -14.86           | -0.00595              | PASS    |
|           |           |                      |              |            | -10        | -12.19           | -0.00488              | PASS    |
|           |           |                      |              |            | 0          | -13.95           | -0.00558              | PASS    |
|           |           |                      |              |            | 10         | -9.48            | -0.00379              | PASS    |
|           |           |                      |              |            | 20         | -12.02           | -0.00481              | PASS    |
|           |           |                      |              |            | 30         | -11.54           | -0.00462              | PASS    |
|           |           |                      |              |            | 40         | -19.97           | -0.00799              | PASS    |
|           |           |                      | 50           | -8.87      | -0.00355   | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30        | -31.1            | -0.01199              | PASS    |
|           |           |                      |              |            | -20        | -30.3            | -0.01169              | PASS    |
|           |           |                      |              |            | -10        | -24.76           | -0.00955              | PASS    |
|           |           |                      |              |            | 0          | -23.29           | -0.00898              | PASS    |
|           |           |                      |              |            | 10         | -20.43           | -0.00788              | PASS    |
|           |           |                      |              |            | 20         | -24.42           | -0.00942              | PASS    |
|           |           |                      |              |            | 30         | -35.26           | -0.0136               | PASS    |
|           |           |                      |              |            | 40         | -26.32           | -0.01015              | PASS    |
|           |           |                      | 50           | -22.19     | -0.00856   | PASS             |                       |         |
|           |           |                      | HCH          | VN         | -30        | -16.97           | -0.00631              | PASS    |
|           |           |                      |              |            | -20        | -19.7            | -0.00733              | PASS    |
|           |           |                      |              |            | -10        | -16.87           | -0.00628              | PASS    |
|           |           |                      |              |            | 0          | -19.73           | -0.00734              | PASS    |
|           |           |                      |              |            | 10         | -19.66           | -0.00732              | PASS    |
|           |           |                      |              |            | 20         | -18.25           | -0.00679              | PASS    |
|           |           | 30                   |              |            | -22.42     | -0.00834         | PASS                  |         |
|           |           | 40                   |              |            | -16.05     | -0.00597         | PASS                  |         |
|           |           | 50                   | -21.33       | -0.00794   | PASS       |                  |                       |         |
|           |           | 10                   | LCH          | VN         | -30        | -10.39           | -0.00415              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | -12.17           | -0.00487              | PASS    |
|           |           |                      |              |            | -10        | -11.99           | -0.00479              | PASS    |
|           |           |                      |              |            | 0          | -18.88           | -0.00755              | PASS    |
|           |           |                      |              |            | 10         | -16.11           | -0.00644              | PASS    |
|           |           |                      |              |            | 20         | -11.63           | -0.00465              | PASS    |
|           |           |                      |              |            | 30         | -6.44            | -0.00257              | PASS    |
|           |           |                      |              |            | 40         | -13.5            | -0.0054               | PASS    |
|           |           |                      |              |            | 50         | -12.1            | -0.00484              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -16.24           | -0.00626              | PASS    |
|           |           |                      |              |            | -20        | -21.8            | -0.00841              | PASS    |
|           |           |                      |              |            | -10        | -24.95           | -0.00962              | PASS    |
|           |           |                      |              |            | 0          | -25.46           | -0.00982              | PASS    |
|           |           |                      |              |            | 10         | -18.54           | -0.00715              | PASS    |
|           |           |                      |              |            | 20         | -25.33           | -0.00977              | PASS    |
|           |           |                      |              |            | 30         | -25.79           | -0.00995              | PASS    |
|           |           |                      |              |            | 40         | -23.42           | -0.00903              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -16.48           | -0.00614              | PASS    |
|           |           |                      |              |            | -20        | -22.57           | -0.00841              | PASS    |
|           |           |                      |              |            | -10        | -21.17           | -0.00788              | PASS    |
|           |           |                      |              |            | 0          | -19.68           | -0.00733              | PASS    |
|           |           |                      |              |            | 10         | -18.1            | -0.00674              | PASS    |
|           |           |                      |              |            | 20         | -18.87           | -0.00703              | PASS    |
|           |           |                      |              |            | 30         | -18.27           | -0.0068               | PASS    |
|           |           |                      |              |            | 40         | -21.89           | -0.00815              | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -12.97           | -0.00518              | PASS    |
|           |           |                      |              |            | -20        | -16.14           | -0.00645              | PASS    |
|           |           |                      |              |            | -10        | -14.23           | -0.00568              | PASS    |
|           |           |                      |              |            | 0          | -20.76           | -0.00829              | PASS    |
|           |           |                      |              |            | 10         | -22.69           | -0.00906              | PASS    |
|           |           |                      |              |            | 20         | -15.68           | -0.00626              | PASS    |
|           |           |                      |              |            | 30         | -14.82           | -0.00592              | PASS    |
|           |           |                      |              |            | 40         | -15.81           | -0.00632              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -28.02           | -0.01081              | PASS    |
|           |           |                      |              |            | -20        | -30.63           | -0.01181              | PASS    |
|           |           |                      |              |            | -10        | -21.31           | -0.00822              | PASS    |
|           |           |                      |              |            |            |                  |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | -30.63           | -0.01181              | PASS    |
|           |           |                      |              |            | 10         | -20.26           | -0.00781              | PASS    |
|           |           |                      |              |            | 20         | -26.68           | -0.01029              | PASS    |
|           |           |                      |              |            | 30         | -22.85           | -0.00881              | PASS    |
|           |           |                      |              |            | 40         | -20.74           | -0.008                | PASS    |
|           |           |                      |              |            | 50         | -25.73           | -0.00992              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -17.37           | -0.00648              | PASS    |
|           |           |                      |              |            | -20        | -19.45           | -0.00725              | PASS    |
|           |           |                      |              |            | -10        | -16.31           | -0.00608              | PASS    |
|           |           |                      |              |            | 0          | -19.35           | -0.00721              | PASS    |
|           |           |                      |              |            | 10         | -20.83           | -0.00777              | PASS    |
|           |           |                      |              |            | 20         | -17.31           | -0.00645              | PASS    |
|           |           |                      |              |            | 30         | -21.3            | -0.00794              | PASS    |
|           |           |                      |              |            | 40         | -18.58           | -0.00693              | PASS    |
|           |           |                      |              |            | 50         | -19.47           | -0.00726              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -11.57           | -0.00462              | PASS    |
|           |           |                      |              |            | -20        | -13.2            | -0.00527              | PASS    |
|           |           |                      |              |            | -10        | -14.32           | -0.00571              | PASS    |
|           |           |                      |              |            | 0          | -15.71           | -0.00627              | PASS    |
|           |           |                      |              |            | 10         | -18.4            | -0.00734              | PASS    |
|           |           |                      |              |            | 20         | -18.45           | -0.00736              | PASS    |
|           |           |                      |              |            | 30         | -18.51           | -0.00739              | PASS    |
|           |           |                      |              |            | 40         | -15.56           | -0.00621              | PASS    |
|           |           |                      | 50           | -12.5      | -0.00499   | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30        | -19.05           | -0.00735              | PASS    |
|           |           |                      |              |            | -20        | -20.63           | -0.00796              | PASS    |
|           |           |                      |              |            | -10        | -23.59           | -0.0091               | PASS    |
|           |           |                      |              |            | 0          | -19.14           | -0.00738              | PASS    |
|           |           |                      |              |            | 10         | -22.75           | -0.00877              | PASS    |
|           |           |                      |              |            | 20         | -22.72           | -0.00876              | PASS    |
|           |           | 30                   |              |            | -21.59     | -0.00833         | PASS                  |         |
|           |           | 40                   | -20.8        | -0.00802   | PASS       |                  |                       |         |
|           |           | 50                   | -20.31       | -0.00783   | PASS       |                  |                       |         |
|           |           | HCH                  | VN           | -30        | -15.85     | -0.00591         | PASS                  |         |
|           |           |                      |              | -20        | -18.67     | -0.00697         | PASS                  |         |
|           |           |                      |              | -10        | -15.32     | -0.00572         | PASS                  |         |
|           |           |                      |              | 0          | -18.28     | -0.00682         | PASS                  |         |
|           |           |                      |              | 10         | -16.62     | -0.0062          | 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         | 20         | -18.3            | -0.00683              | PASS    |
|           |           |                      |              |            | 30         | -18.05           | -0.00674              | PASS    |
|           |           |                      |              |            | 40         | -19.43           | -0.00725              | PASS    |
|           |           |                      |              |            | 50         | -16.69           | -0.00623              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -11.82           | -0.00473              | PASS    |
|           |           |                      |              |            | -20        | -20.23           | -0.0081               | PASS    |
|           |           |                      |              |            | -10        | -10.46           | -0.00419              | PASS    |
|           |           |                      |              |            | 0          | -8.08            | -0.00323              | PASS    |
|           |           |                      |              |            | 10         | -15.55           | -0.00622              | PASS    |
|           |           |                      |              |            | 20         | -18.02           | -0.00721              | PASS    |
|           |           |                      |              |            | 30         | -13.98           | -0.0056               | PASS    |
|           |           |                      |              |            | 40         | -6.01            | -0.00241              | PASS    |
|           |           |                      | HCH          | VN         | 50         | -18.81           | -0.00753              | PASS    |
|           |           |                      |              |            | -30        | -23.22           | -0.00895              | PASS    |
|           |           |                      |              |            | -20        | -23.22           | -0.00895              | PASS    |
|           |           |                      |              |            | -10        | -24.7            | -0.00953              | PASS    |
|           | 0         | -21.73               |              |            | -0.00838   | PASS             |                       |         |
|           | 10        | -28.28               |              |            | -0.01091   | PASS             |                       |         |
|           | 20        | -19.35               |              |            | -0.00746   | PASS             |                       |         |
|           | 30        | -23.03               |              |            | -0.00888   | PASS             |                       |         |
|           | LCH       | VN                   | 40           | -23.7      | -0.00914   | PASS             |                       |         |
|           |           |                      | 50           | -25.12     | -0.00969   | PASS             |                       |         |
|           |           |                      | -30          | -19.8      | -0.00737   | PASS             |                       |         |
|           |           |                      | -20          | -15.02     | -0.00559   | PASS             |                       |         |
|           |           |                      | -10          | -22.39     | -0.00833   | PASS             |                       |         |
|           |           |                      | 0            | -21.17     | -0.00788   | PASS             |                       |         |
|           |           |                      | 10           | -21.67     | -0.00806   | PASS             |                       |         |
|           |           |                      | 20           | -24.7      | -0.00919   | PASS             |                       |         |
|           | LCH       | VN                   | 30           | -22.75     | -0.00847   | PASS             |                       |         |
|           |           |                      | 40           | -19.81     | -0.00737   | PASS             |                       |         |
|           |           |                      | 50           | -19.9      | -0.0074    | PASS             |                       |         |
|           |           |                      | -30          | -16.99     | -0.00679   | PASS             |                       |         |
| -20       |           |                      | -11.03       | -0.00441   | PASS       |                  |                       |         |
| -10       |           |                      | 2.93         | 0.00117    | PASS       |                  |                       |         |
| 0         |           |                      | -18.73       | -0.00749   | PASS       |                  |                       |         |
| 10        |           |                      | -18.24       | -0.00729   | PASS       |                  |                       |         |
| 20        | -15.84    | -0.00633             | PASS         |            |            |                  |                       |         |
| 30        | -16.22    | -0.00649             | PASS         |            |            |                  |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40         | -12.67           | -0.00507              | PASS    |
|           |           |                      |              |            | 50         | -6.61            | -0.00264              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -23.3            | -0.00899              | PASS    |
|           |           |                      |              |            | -20        | -25.42           | -0.0098               | PASS    |
|           |           |                      |              |            | -10        | -22.76           | -0.00878              | PASS    |
|           |           |                      |              |            | 0          | -18.97           | -0.00732              | PASS    |
|           |           |                      |              |            | 10         | -23.32           | -0.00899              | PASS    |
|           |           |                      |              |            | 20         | -21.72           | -0.00838              | PASS    |
|           |           |                      |              |            | 30         | -20.08           | -0.00774              | PASS    |
|           |           |                      |              |            | 40         | -23.06           | -0.00889              | PASS    |
|           |           |                      |              |            | 50         | -20.46           | -0.00789              | PASS    |
|           |           |                      |              |            | HCH        | VN               | -30                   | -19.45  |
|           |           |                      | -20          | -18.65     |            |                  | -0.00695              | PASS    |
|           |           |                      | -10          | -19.31     |            |                  | -0.00719              | PASS    |
|           |           |                      | 0            | -20.36     |            |                  | -0.00758              | PASS    |
|           |           |                      | 10           | -23        |            |                  | -0.00857              | PASS    |
|           |           |                      | 20           | -22.52     |            |                  | -0.00839              | PASS    |
|           |           |                      | 30           | -15.69     |            |                  | -0.00584              | PASS    |
|           |           | 40                   | -22.24       | -0.00828   |            |                  | PASS                  |         |
|           |           | 50                   | -20.91       | -0.00779   | PASS       |                  |                       |         |
|           |           | 15                   | LCH          | VN         | -30        | -13.03           | -0.0052               | PASS    |
|           |           |                      |              |            | -20        | -15.01           | -0.006                | PASS    |
|           |           |                      |              |            | -10        | -17.31           | -0.00691              | PASS    |
|           |           |                      |              |            | 0          | -16.64           | -0.00665              | PASS    |
|           |           |                      |              |            | 10         | -19.28           | -0.0077               | PASS    |
|           |           |                      |              |            | 20         | -16.39           | -0.00655              | PASS    |
|           |           |                      |              |            | 30         | -16.92           | -0.00676              | PASS    |
|           |           |                      |              |            | 40         | -16.69           | -0.00667              | PASS    |
|           |           |                      | 50           | -15.68     | -0.00626   | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30        | -26.29           | -0.01014              | PASS    |
| -20       | -20.17    |                      |              |            | -0.00778   | PASS             |                       |         |
| -10       | -22.95    |                      |              |            | -0.00885   | PASS             |                       |         |
| 0         | -22.19    | -0.00856             |              |            | PASS       |                  |                       |         |
| 10        | -17.52    | -0.00676             |              |            | PASS       |                  |                       |         |
| 20        | -25.63    | -0.00988             |              |            | PASS       |                  |                       |         |
| 30        | -19.23    | -0.00742             | PASS         |            |            |                  |                       |         |
| 40        | -21.33    | -0.00823             | PASS         |            |            |                  |                       |         |
| 50        | -22.82    | -0.0088              | PASS         |            |            |                  |                       |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | VN         | -30        | -18.8            | -0.00701              | PASS    |
|           |           |                      |              |            | -20        | -18.04           | -0.00673              | PASS    |
|           |           |                      |              |            | -10        | -23.57           | -0.00879              | PASS    |
|           |           |                      |              |            | 0          | -22.44           | -0.00837              | PASS    |
|           |           |                      |              |            | 10         | -19.47           | -0.00726              | PASS    |
|           |           |                      |              |            | 20         | -15.05           | -0.00561              | PASS    |
|           |           |                      |              |            | 30         | -18.05           | -0.00673              | PASS    |
|           |           |                      |              |            | 40         | -19.01           | -0.00709              | PASS    |
|           |           |                      | 50           | -20.89     | -0.00779   | PASS             |                       |         |
|           |           |                      | LCH          | VN         | -30        | -13.52           | -0.0054               | PASS    |
|           |           |                      |              |            | -20        | -14.05           | -0.00561              | PASS    |
|           |           |                      |              |            | -10        | -14.2            | -0.00567              | PASS    |
|           |           |                      |              |            | 0          | -13              | -0.00519              | PASS    |
|           |           |                      |              |            | 10         | -14.31           | -0.00571              | PASS    |
|           |           |                      |              |            | 20         | -13.7            | -0.00547              | PASS    |
|           |           |                      |              |            | 30         | -13.4            | -0.00535              | PASS    |
|           |           | 40                   |              |            | -14.56     | -0.00581         | PASS                  |         |
|           |           | MCH                  | VN           | -30        | -20.48     | -0.0079          | PASS                  |         |
|           |           |                      |              | -20        | -22.06     | -0.00851         | PASS                  |         |
|           |           |                      |              | -10        | -19.23     | -0.00742         | PASS                  |         |
|           |           |                      |              | 0          | -19.64     | -0.00757         | PASS                  |         |
|           |           |                      |              | 10         | -19.3      | -0.00744         | PASS                  |         |
|           |           |                      |              | 20         | -18.27     | -0.00705         | PASS                  |         |
|           |           |                      |              | 30         | -19.27     | -0.00743         | PASS                  |         |
|           |           |                      |              | 40         | -20.28     | -0.00782         | PASS                  |         |
|           |           | HCH                  | VN           | -30        | -19.51     | -0.00728         | PASS                  |         |
|           |           |                      |              | -20        | -21.44     | -0.008           | PASS                  |         |
|           |           |                      |              | -10        | -17.18     | -0.00641         | PASS                  |         |
|           |           |                      |              | 0          | -18.61     | -0.00694         | PASS                  |         |
|           |           |                      |              | 10         | -19.44     | -0.00725         | PASS                  |         |
|           |           |                      |              | 20         | -16.68     | -0.00622         | PASS                  |         |
|           |           |                      |              | 30         | -18.04     | -0.00673         | PASS                  |         |
| 40        | -16.14    |                      |              | -0.00602   | PASS       |                  |                       |         |
| 50        | -17.62    | -0.00657             | PASS         |            |            |                  |                       |         |

END