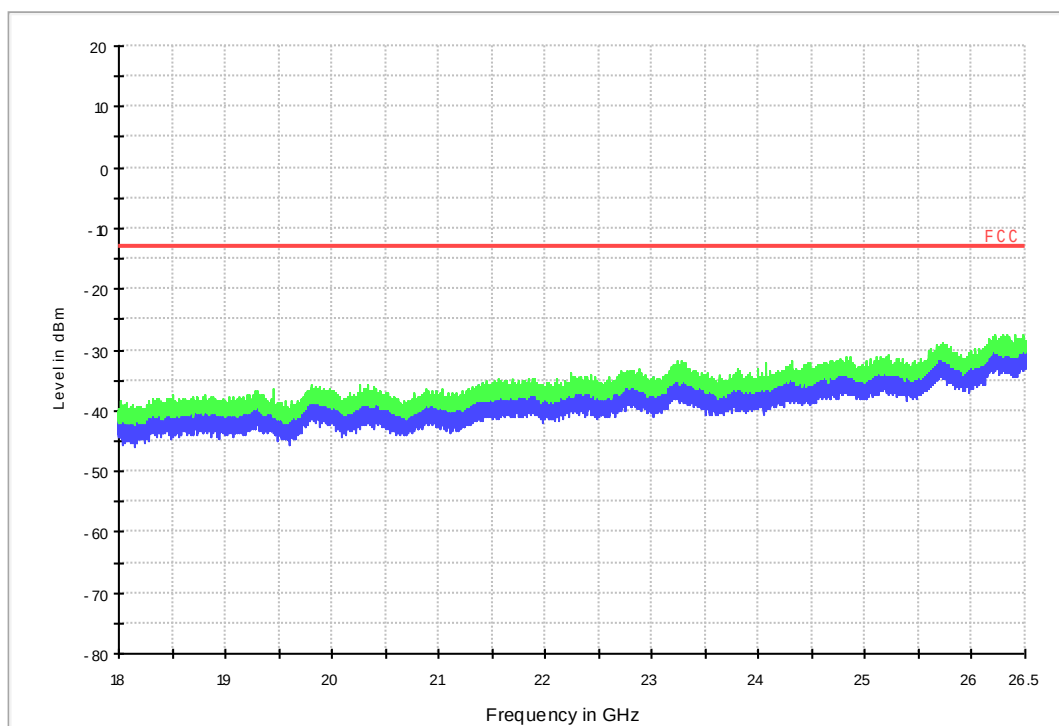
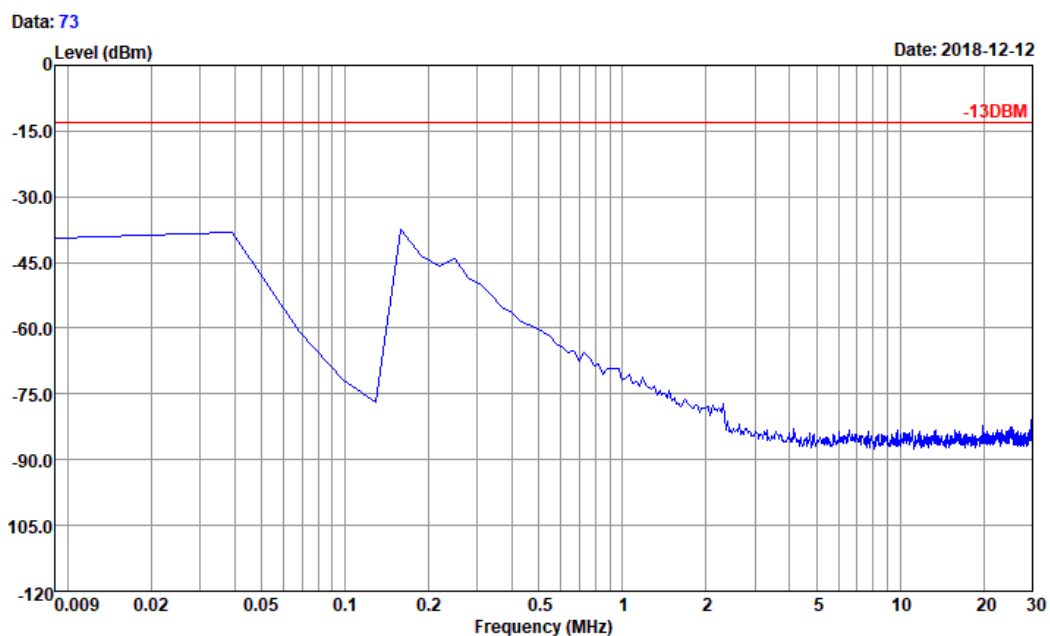


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



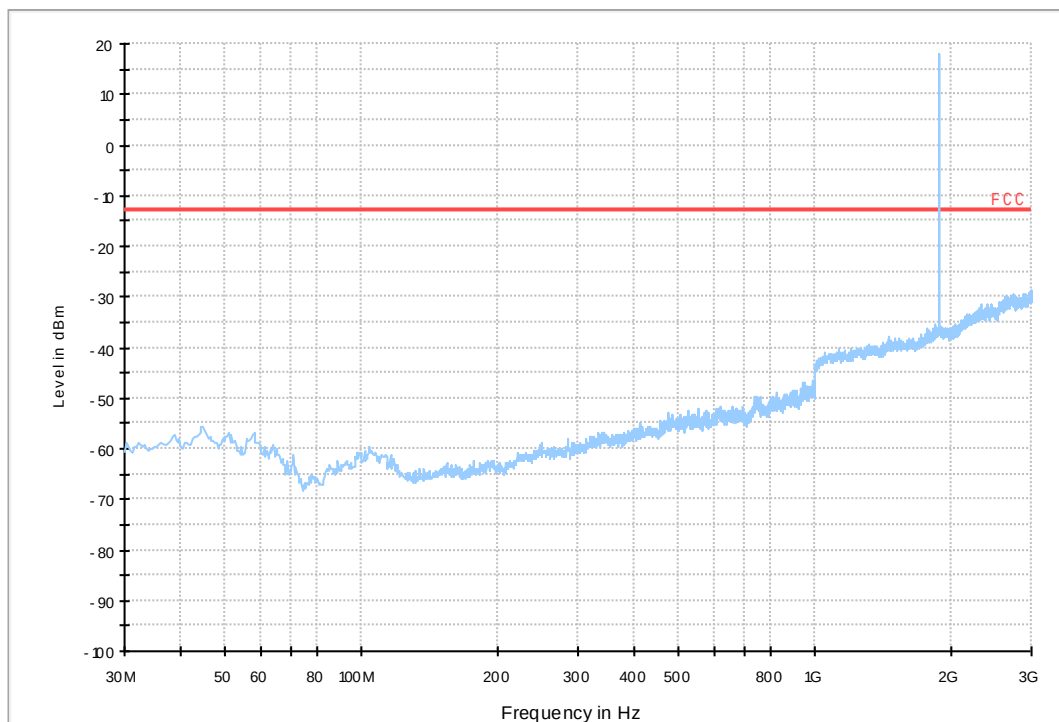
## 7.1.2 Test Band = Band2\_ANT2

### 7.1.2.1 Test Bandwidth = 1.4

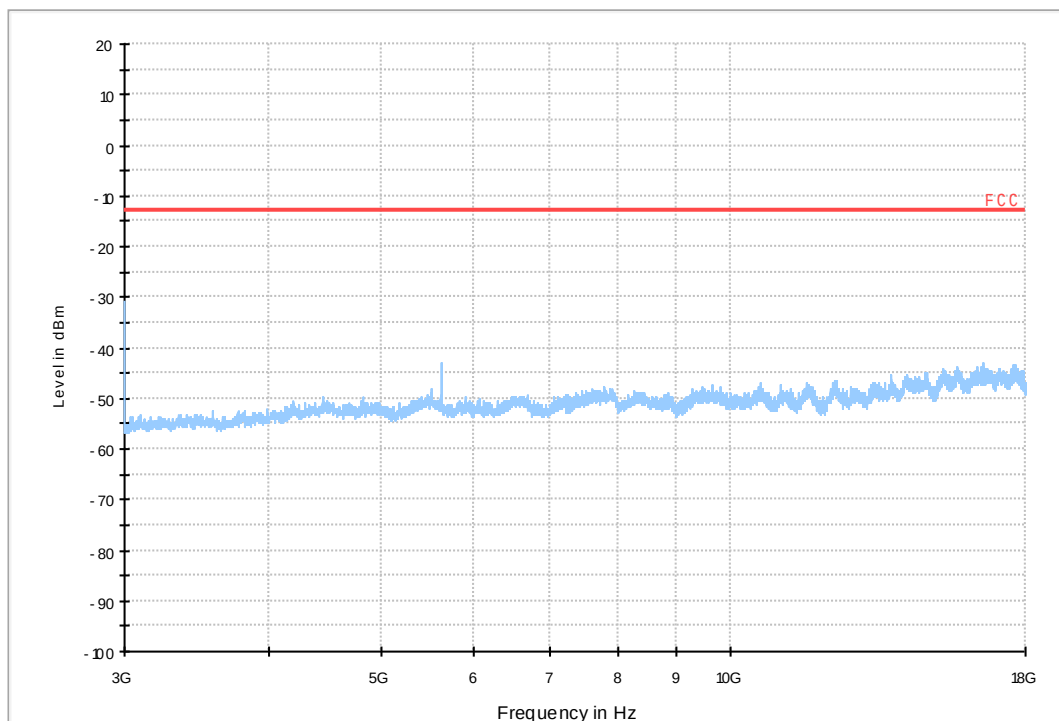


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

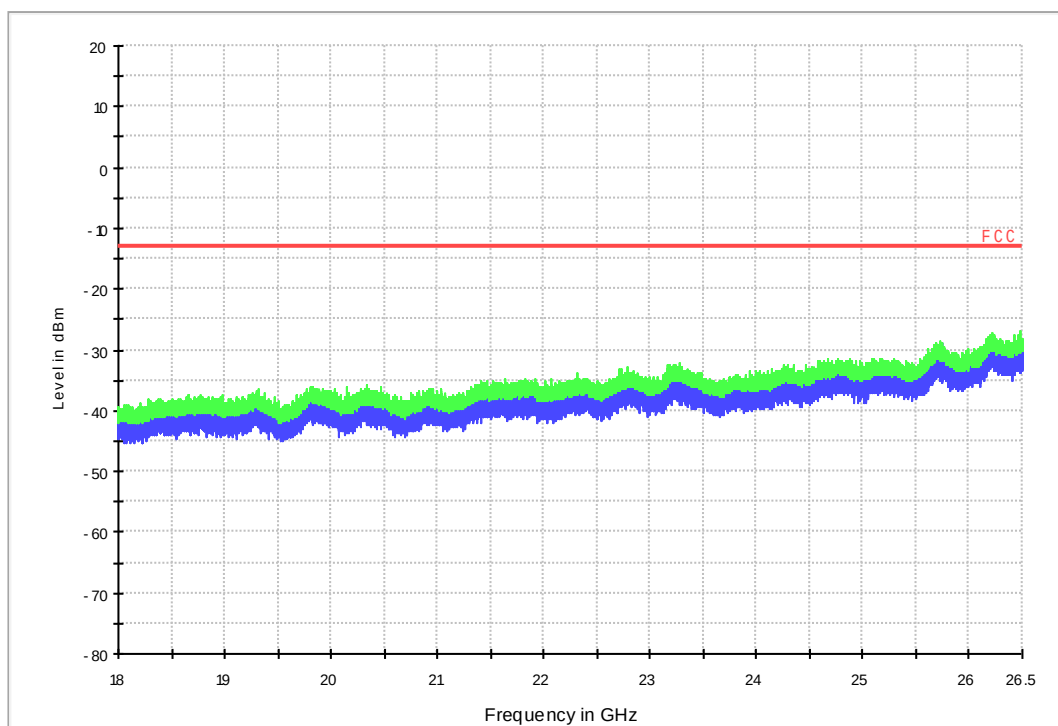
LTE FDD R SE-TX-DIRECTOR ABOVE 1.5G\_L



LTE FDD R SE-TX-DIRECTOR ABOVE 1.5G\_H



18G~26.5G R SE-T X-DIRECTOR ABOVE 1.5G PK

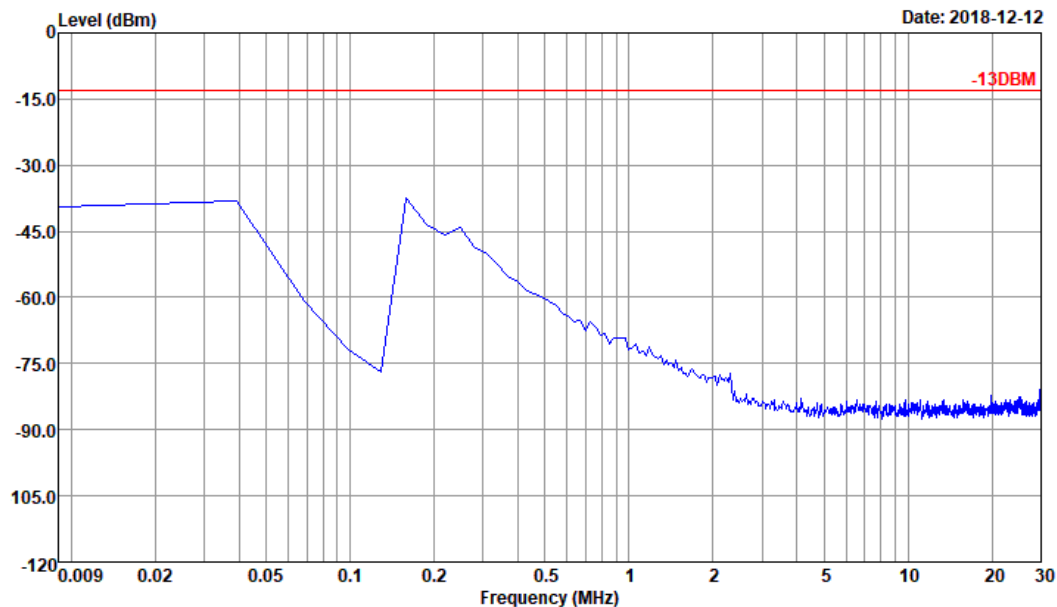


### 7.1.2.2 Test Bandwidth = 20



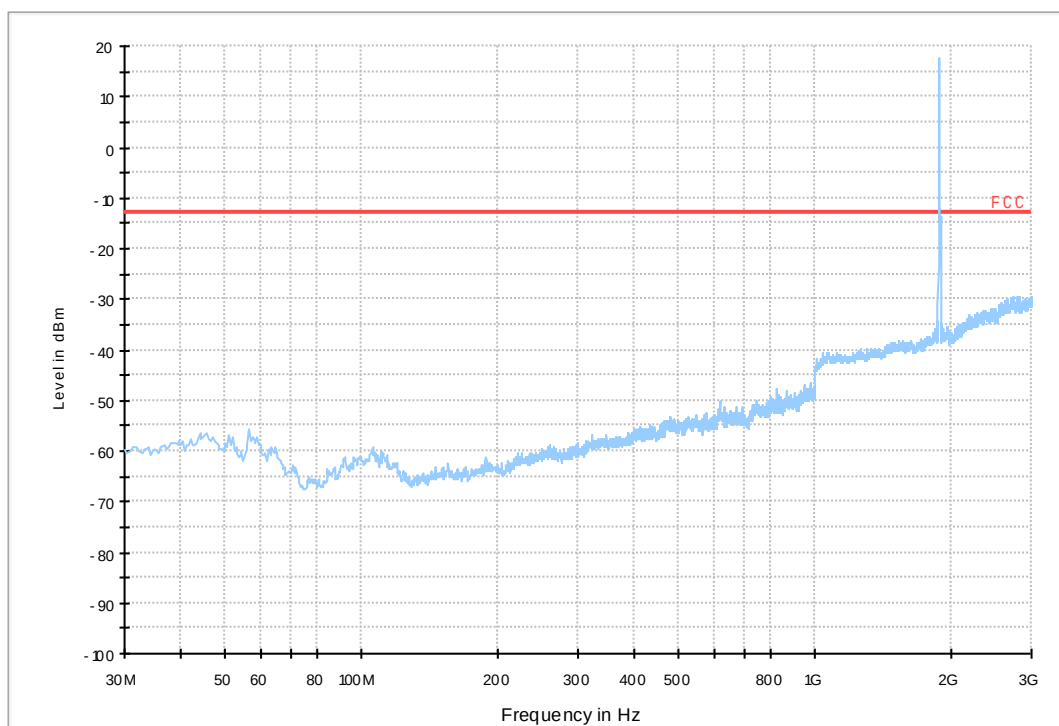
Data: 73

Date: 2018-12-12

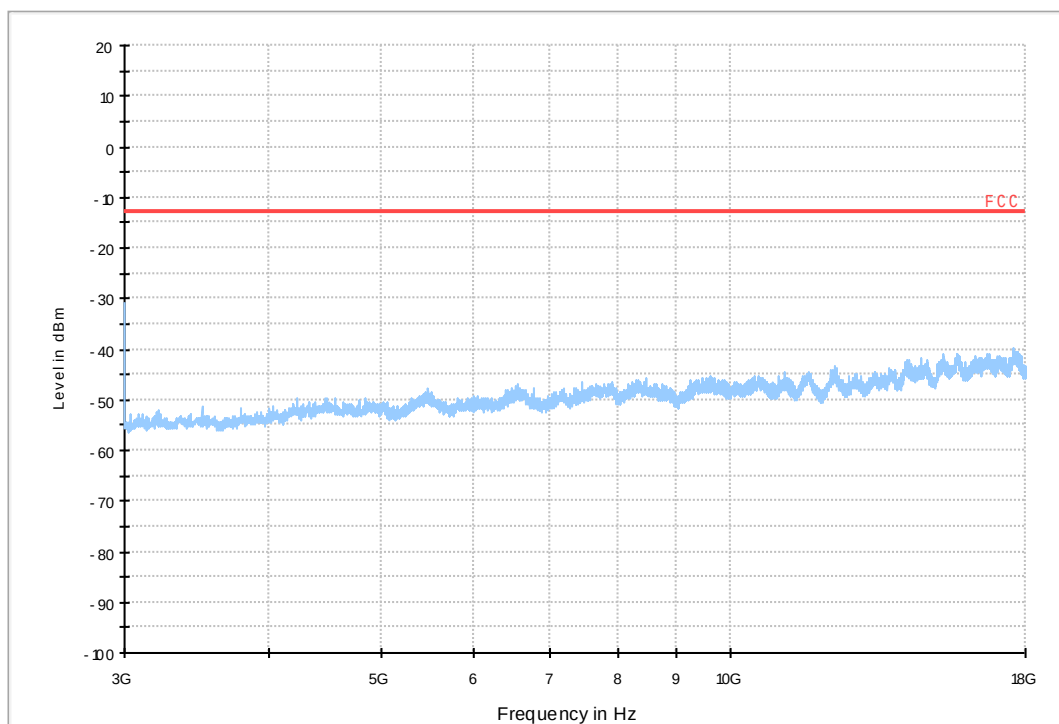


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

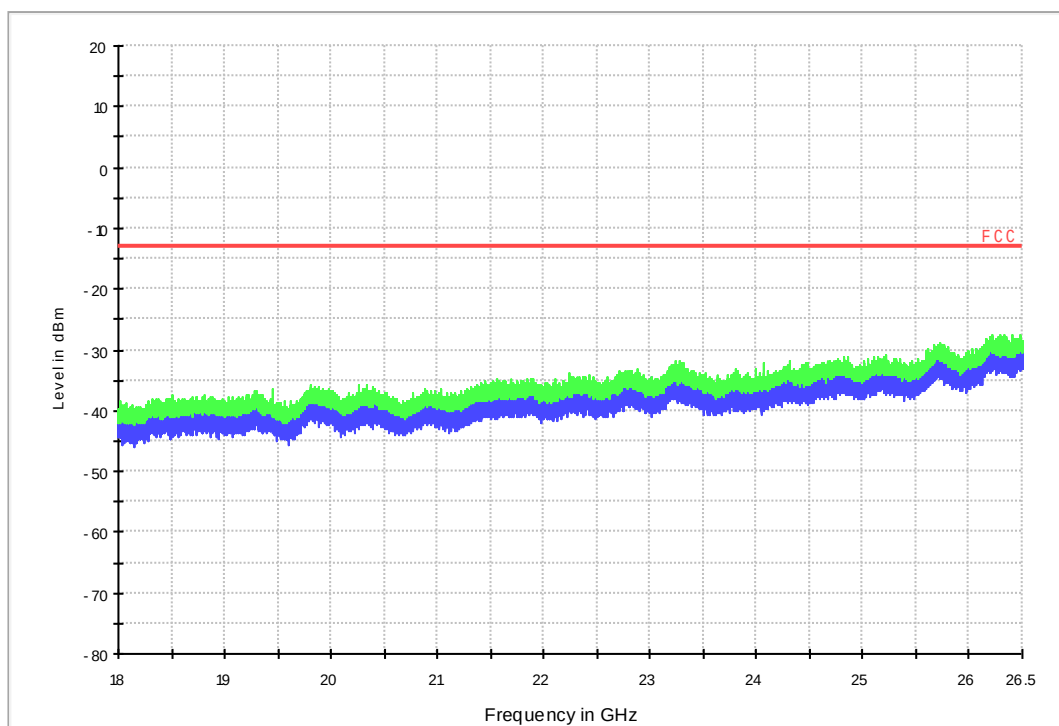
LTE FDD R SE-TX-DIRECTOR ABOVE 1.5G\_L



LTE FDD R SE-TX-DIRECTOR ABOVE 1.5G\_H



18G~26.5G R SE-T X-DIRECTOR ABOVE 1.5G PK



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| Band2     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -17.02309        | -0.00920              | PASS    |
|           |           |                      |              |            | VN         | -4.96387         | -0.00268              | PASS    |
|           |           |                      |              |            | VH         | -3.36170         | -0.00182              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 3.67641          | 0.00196               | PASS    |
|           |           |                      |              |            | VN         | -2.76089         | -0.00147              | PASS    |
|           |           |                      |              |            | VH         | -3.54767         | -0.00189              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 4.56333          | 0.00239               | PASS    |
|           |           |                      |              |            | VN         | 7.03812          | 0.00369               | PASS    |
|           |           |                      |              |            | VH         | -10.02789        | -0.00525              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -1.41621         | -0.00076              | PASS    |
|           |           |                      |              |            | VN         | -2.05994         | -0.00111              | PASS    |
|           |           |                      |              |            | VH         | -4.39167         | -0.00237              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.89235         | -0.00260              | PASS    |
|           |           |                      |              |            | VN         | -0.44346         | -0.00024              | PASS    |
|           |           |                      |              |            | VH         | 8.26836          | 0.00440               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.78950         | -0.00146              | PASS    |
|           |           |                      |              |            | VN         | -3.08990         | -0.00162              | PASS    |
|           |           |                      |              |            | VH         | 2.30312          | 0.00121               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -8.62598         | -0.00466              | PASS    |
|           |           |                      |              |            | VN         | -3.76225         | -0.00203              | PASS    |
|           |           |                      |              |            | VH         | -11.54423        | -0.00623              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.40597         | -0.00234              | PASS    |
|           |           |                      |              |            | VN         | -3.67641         | -0.00196              | PASS    |
|           |           |                      |              |            | VH         | -3.36170         | -0.00179              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.62327         | -0.00347              | PASS    |
|           |           |                      |              |            | VN         | -4.59194         | -0.00241              | PASS    |
|           |           |                      |              |            | VH         | -7.25269         | -0.00380              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -4.84943         | -0.00261              | PASS    |
|           |           |                      |              |            | VN         | 2.18868          | 0.00118               | PASS    |
|           |           |                      |              |            | VH         | 0.65804          | 0.00035               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.54767         | -0.00189              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -0.35763         | -0.00019              | PASS    |
|           |           |                      |              |            | VH         | -0.98705         | -0.00053              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.37601         | -0.00177              | PASS    |
|           |           |                      |              |            | VN         | 2.30312          | 0.00121               | PASS    |
|           |           |                      |              |            | VH         | -2.03133         | -0.00107              | PASS    |
|           |           |                      |              |            | VH         | -2.03133         | -0.00107              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -2.64645         | -0.00142              | PASS    |
|           |           |                      |              |            | VN         | -9.79900         | -0.00528              | PASS    |
|           |           |                      |              |            | VH         | -1.57356         | -0.00085              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.05994         | -0.00110              | PASS    |
|           |           |                      |              |            | VN         | -6.25134         | -0.00333              | PASS    |
|           |           |                      |              |            | VH         | -0.12875         | -0.00007              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.61784         | -0.00138              | PASS    |
|           |           |                      |              |            | VN         | -7.25269         | -0.00381              | PASS    |
|           |           |                      |              |            | VH         | -1.94550         | -0.00102              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -5.89371         | -0.00317              | PASS    |
|           |           |                      |              |            | VN         | -9.22680         | -0.00496              | PASS    |
|           |           |                      |              |            | VH         | -6.75201         | -0.00363              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.90394         | -0.00154              | PASS    |
|           |           |                      |              |            | VN         | -6.23703         | -0.00332              | PASS    |
|           |           |                      |              |            | VH         | 0.25749          | 0.00014               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.33173         | -0.00123              | PASS    |
|           |           |                      |              |            | VN         | -4.47750         | -0.00236              | PASS    |
|           |           |                      |              |            | VH         | -2.03133         | -0.00107              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | -19.21177        | -0.01038              | PASS    |
|           |           |                      |              |            | VN         | -23.48900        | -0.01269              | PASS    |
|           |           |                      |              |            | VH         | -9.99928         | -0.00540              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 8.22544          | 0.00438               | PASS    |
|           |           |                      |              |            | VN         | -3.90530         | -0.00208              | PASS    |
|           |           |                      |              |            | VH         | 1.10149          | 0.00059               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.76225         | -0.00197              | PASS    |
|           |           |                      |              |            | VN         | 8.99792          | 0.00471               | PASS    |
|           |           |                      |              |            | VH         | 18.71109         | 0.00980               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 3.00407          | 0.00162               | PASS    |
|           |           |                      |              |            | VN         | 1.44482          | 0.00078               | PASS    |
|           |           |                      |              |            | VH         | 0.98705          | 0.00053               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.39303         | -0.00287              | PASS    |
|           |           |                      |              |            | VN         | -9.32694         | -0.00496              | PASS    |
|           |           |                      |              |            | VH         | -1.80244         | -0.00096              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VL         | -6.25134         | -0.00328              | PASS    |
|           |           |                      |              |            | VN         | -1.98841         | -0.00104              | PASS    |
|           |           |                      |              |            | VH         | 2.18868          | 0.00115               | PASS    |
|           |           |                      | LCH          | TN         | VL         | -4.89235         | -0.00264              | PASS    |
|           |           |                      |              |            | VN         | -4.93527         | -0.00266              | PASS    |
|           |           |                      |              |            | VH         | -5.36442         | -0.00290              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.63214         | -0.00140              | PASS    |
|           |           |                      |              |            | VN         | -3.56197         | -0.00189              | PASS    |
|           |           |                      |              |            | VH         | -1.93119         | -0.00103              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.66618         | -0.00349              | PASS    |
|           |           |                      |              |            | VN         | -5.36442         | -0.00281              | PASS    |
|           |           |                      |              |            | VH         | -7.45296         | -0.00391              | PASS    |
|           |           |                      | LCH          | TN         | VL         | 2.03133          | 0.00110               | PASS    |
|           |           |                      |              |            | VN         | 2.08855          | 0.00113               | PASS    |
|           |           |                      |              |            | VH         | 0.05722          | 0.00003               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.88692          | 0.00047               | PASS    |
|           |           |                      |              |            | VN         | -3.46184         | -0.00184              | PASS    |
|           |           |                      |              |            | VH         | -3.59058         | -0.00191              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.28610          | 0.00015               | PASS    |
|           |           |                      |              |            | VN         | -3.94821         | -0.00207              | PASS    |
|           |           |                      |              |            | VH         | -1.04427         | -0.00055              | PASS    |
|           |           |                      | LCH          | TN         | VL         | -1.57356         | -0.00085              | PASS    |
|           |           |                      |              |            | VN         | -8.02517         | -0.00432              | PASS    |
|           |           |                      |              |            | VH         | -1.13010         | -0.00061              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.30041         | -0.00016              | PASS    |
|           |           |                      |              |            | VN         | -5.30720         | -0.00282              | PASS    |
|           |           |                      |              |            | VH         | -1.81675         | -0.00097              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.43051         | -0.00075              | PASS    |
|           |           |                      |              |            | VN         | -6.79493         | -0.00357              | PASS    |
|           |           |                      |              |            | VH         | -3.50475         | -0.00184              | PASS    |
|           |           |                      | LCH          | TN         | VL         | -1.68800         | -0.00091              | PASS    |
|           |           |                      |              |            | VN         | -5.43594         | -0.00292              | PASS    |
|           |           |                      |              |            | VH         | -2.24590         | -0.00121              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.38760         | -0.00074              | PASS    |
|           |           |                      |              |            | VN         | -5.22137         | -0.00278              | PASS    |
|           |           |                      |              |            | VH         | -1.91688         | -0.00102              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.28610         | -0.00015              | PASS    |
|           |           |                      |              |            | VN         | -3.91960         | -0.00206              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VH         | -0.64373         | -0.00034              | 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 |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| Band2     | LTE/TM1   | 1.4                  | LCH          | VN         | -30       | -8.48293         | -0.00458              | PASS    |
|           |           |                      |              |            | -20       | -19.89841        | -0.01075              | PASS    |
|           |           |                      |              |            | -10       | -9.79900         | -0.00529              | PASS    |
|           |           |                      |              |            | 0         | -4.86374         | -0.00263              | PASS    |
|           |           |                      |              |            | 10        | -42.60063        | -0.02302              | PASS    |
|           |           |                      |              |            | 20        | -4.96387         | -0.00268              | PASS    |
|           |           |                      |              |            | 30        | -1.67370         | -0.00090              | PASS    |
|           |           |                      |              |            | 40        | 2.96116          | 0.00160               | PASS    |
|           |           |                      |              |            | 50        | 2.94685          | 0.00159               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -1.53065         | -0.00081              | PASS    |
|           |           |                      |              |            | -20       | -1.24455         | -0.00066              | PASS    |
|           |           |                      |              |            | -10       | -12.08782        | -0.00643              | PASS    |
|           |           |                      |              |            | 0         | 6.98090          | 0.00371               | PASS    |
|           |           |                      |              |            | 10        | -3.76225         | -0.00200              | PASS    |
|           |           |                      |              |            | 20        | -2.76089         | -0.00147              | PASS    |
|           |           |                      |              |            | 30        | -4.82082         | -0.00256              | PASS    |
|           |           |                      |              |            | 40        | 7.19547          | 0.00383               | PASS    |
|           |           |                      |              |            | 50        | -1.30177         | -0.00069              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -12.40253        | -0.00650              | PASS    |
|           |           |                      |              |            | -20       | -10.34260        | -0.00542              | PASS    |
|           |           |                      |              |            | -10       | -16.70837        | -0.00875              | PASS    |
|           |           |                      |              |            | 0         | -8.94070         | -0.00468              | PASS    |
|           |           |                      |              |            | 10        | 15.80715         | 0.00828               | PASS    |
|           |           |                      |              |            | 20        | 7.03812          | 0.00369               | PASS    |
|           |           |                      |              |            | 30        | 1.00136          | 0.00052               | PASS    |
|           |           |                      |              |            | 40        | 3.96252          | 0.00208               | PASS    |
|           |           |                      |              |            | 50        | -0.52929         | -0.00028              | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -5.55039         | -0.00300              | PASS    |
|           |           |                      |              |            | -20       | -9.41277         | -0.00508              | PASS    |
|           |           |                      |              |            | -10       | -14.21928        | -0.00768              | PASS    |
|           |           |                      |              |            | 0         | -7.53880         | -0.00407              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -2.94685         | -0.00159              | PASS    |
|           |           |                      |              |            | 20        | -2.05994         | -0.00111              | PASS    |
|           |           |                      |              |            | 30        | -10.27107        | -0.00555              | PASS    |
|           |           |                      |              |            | 40        | -5.97954         | -0.00323              | PASS    |
|           |           |                      |              |            | 50        | -14.47678        | -0.00782              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 8.92639          | 0.00475               | PASS    |
|           |           |                      |              |            | -20       | -4.94957         | -0.00263              | PASS    |
|           |           |                      |              |            | -10       | -3.93391         | -0.00209              | PASS    |
|           |           |                      |              |            | 0         | -6.48022         | -0.00345              | PASS    |
|           |           |                      |              |            | 10        | 4.29153          | 0.00228               | PASS    |
|           |           |                      |              |            | 20        | -0.44346         | -0.00024              | PASS    |
|           |           |                      |              |            | 30        | -1.94550         | -0.00103              | PASS    |
|           |           |                      |              |            | 40        | -0.04292         | -0.00002              | PASS    |
|           |           |                      |              |            | 50        | -2.20299         | -0.00117              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -7.71046         | -0.00404              | PASS    |
|           |           |                      |              |            | -20       | -9.02653         | -0.00473              | PASS    |
|           |           |                      |              |            | -10       | -5.57899         | -0.00292              | PASS    |
|           |           |                      |              |            | 0         | -0.60081         | -0.00031              | PASS    |
|           |           |                      |              |            | 10        | -3.44753         | -0.00181              | PASS    |
|           |           |                      |              |            | 20        | -3.08990         | -0.00162              | PASS    |
|           |           |                      |              |            | 30        | -6.22272         | -0.00326              | PASS    |
|           |           |                      |              |            | 40        | -3.90530         | -0.00205              | PASS    |
|           |           |                      |              |            | 50        | 0.25749          | 0.00013               | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | -10.91480        | -0.00589              | PASS    |
|           |           |                      |              |            | -20       | -4.96387         | -0.00268              | PASS    |
|           |           |                      |              |            | -10       | -6.07967         | -0.00328              | PASS    |
|           |           |                      |              |            | 0         | -2.30312         | -0.00124              | PASS    |
|           |           |                      |              |            | 10        | -1.67370         | -0.00090              | PASS    |
|           |           |                      |              |            | 20        | -3.76225         | -0.00203              | PASS    |
|           |           |                      |              |            | 30        | -5.93662         | -0.00320              | PASS    |
|           |           |                      |              |            | 40        | -13.74722        | -0.00742              | PASS    |
|           |           |                      |              |            | 50        | -6.49452         | -0.00351              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -6.59466         | -0.00351              | PASS    |
|           |           |                      |              |            | -20       | -2.73228         | -0.00145              | PASS    |
|           |           |                      |              |            | -10       | -6.19412         | -0.00329              | PASS    |
|           |           |                      |              |            | 0         | -5.17845         | -0.00275              | PASS    |
|           |           |                      |              |            | 10        | -2.53200         | -0.00135              | PASS    |
|           |           |                      |              |            | 20        | -3.67641         | -0.00196              | PASS    |
|           |           |                      |              |            | 30        | -3.74794         | -0.00199              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -6.29425         | -0.00335              | PASS    |
|           |           |                      |              |            | 50        | -6.27994         | -0.00334              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -8.21114         | -0.00430              | PASS    |
|           |           |                      |              |            | -20       | -4.22001         | -0.00221              | PASS    |
|           |           |                      |              |            | -10       | -5.69344         | -0.00298              | PASS    |
|           |           |                      |              |            | 0         | -1.70231         | -0.00089              | PASS    |
|           |           |                      |              |            | 10        | -3.08990         | -0.00162              | PASS    |
|           |           |                      |              |            | 20        | -4.59194         | -0.00241              | PASS    |
|           |           |                      |              |            | 30        | -6.93798         | -0.00364              | PASS    |
|           |           |                      |              |            | 40        | -6.16550         | -0.00323              | PASS    |
|           |           |                      |              |            | 50        | -6.20842         | -0.00325              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -11.14368        | -0.00601              | PASS    |
|           |           |                      |              |            | -20       | -0.01431         | -0.00001              | PASS    |
|           |           |                      |              |            | -10       | -1.93119         | -0.00104              | PASS    |
|           |           |                      |              |            | 0         | -8.33988         | -0.00450              | PASS    |
|           |           |                      |              |            | 10        | -0.94414         | -0.00051              | PASS    |
|           |           |                      |              |            | 20        | 2.18868          | 0.00118               | PASS    |
|           |           |                      |              |            | 30        | 0.65804          | 0.00035               | PASS    |
|           |           |                      |              |            | 40        | -0.75817         | -0.00041              | PASS    |
|           |           |                      |              |            | 50        | -0.95844         | -0.00052              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -6.42300         | -0.00342              | PASS    |
|           |           |                      |              |            | -20       | -1.87397         | -0.00100              | PASS    |
|           |           |                      |              |            | -10       | -1.13010         | -0.00060              | PASS    |
|           |           |                      |              |            | 0         | -4.32015         | -0.00230              | PASS    |
|           |           |                      |              |            | 10        | -4.37737         | -0.00233              | PASS    |
|           |           |                      |              |            | 20        | -0.35763         | -0.00019              | PASS    |
|           |           |                      |              |            | 30        | -3.80516         | -0.00202              | PASS    |
|           |           |                      |              |            | 40        | -3.86238         | -0.00205              | PASS    |
|           |           |                      |              |            | 50        | 0.47207          | 0.00025               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -5.46455         | -0.00287              | PASS    |
|           |           |                      |              |            | -20       | -0.04292         | -0.00002              | PASS    |
|           |           |                      |              |            | -10       | -1.83106         | -0.00096              | PASS    |
|           |           |                      |              |            | 0         | -6.82354         | -0.00358              | PASS    |
|           |           |                      |              |            | 10        | 0.54359          | 0.00029               | PASS    |
|           |           |                      |              |            | 20        | 2.30312          | 0.00121               | PASS    |
|           |           |                      |              |            | 30        | -2.46048         | -0.00129              | PASS    |
|           |           |                      |              |            | 40        | -2.57492         | -0.00135              | PASS    |
|           |           |                      |              |            | 50        | -4.50611         | -0.00237              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | -5.82218         | -0.00313              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -8.88348         | -0.00478              | PASS    |
|           |           |                      |              |            | -10       | -9.61304         | -0.00518              | PASS    |
|           |           |                      |              |            | 0         | -1.18732         | -0.00064              | PASS    |
|           |           |                      |              |            | 10        | -3.27587         | -0.00176              | PASS    |
|           |           |                      |              |            | 20        | -9.79900         | -0.00528              | PASS    |
|           |           |                      |              |            | 30        | -2.16007         | -0.00116              | PASS    |
|           |           |                      |              |            | 40        | -10.11372        | -0.00544              | PASS    |
|           |           |                      |              |            | 50        | -11.20090        | -0.00603              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -1.75953         | -0.00094              | PASS    |
|           |           |                      |              |            | -20       | -4.53472         | -0.00241              | PASS    |
|           |           |                      |              |            | -10       | -6.80924         | -0.00362              | PASS    |
|           |           |                      |              |            | 0         | -2.37465         | -0.00126              | PASS    |
|           |           |                      |              |            | 10        | -3.87669         | -0.00206              | PASS    |
|           |           |                      |              |            | 20        | -6.25134         | -0.00333              | PASS    |
|           |           |                      |              |            | 30        | -3.21865         | -0.00171              | PASS    |
|           |           |                      |              |            | 40        | -6.36578         | -0.00339              | PASS    |
|           |           |                      |              |            | 50        | -4.64916         | -0.00247              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -3.06129         | -0.00161              | PASS    |
|           |           |                      |              |            | -20       | -6.88076         | -0.00362              | PASS    |
|           |           |                      |              |            | -10       | -7.96795         | -0.00419              | PASS    |
|           |           |                      |              |            | 0         | -3.00407         | -0.00158              | PASS    |
|           |           |                      |              |            | 10        | -2.14577         | -0.00113              | PASS    |
|           |           |                      |              |            | 20        | -7.25269         | -0.00381              | PASS    |
|           |           |                      |              |            | 30        | -1.77383         | -0.00093              | PASS    |
|           |           |                      |              |            | 40        | -6.53744         | -0.00344              | PASS    |
|           |           |                      |              |            | 50        | -6.29425         | -0.00331              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | -0.04292         | -0.00002              | PASS    |
|           |           |                      |              |            | -20       | -0.04292         | -0.00002              | PASS    |
|           |           |                      |              |            | -10       | -2.41756         | -0.00130              | PASS    |
|           |           |                      |              |            | 0         | -7.52449         | -0.00405              | PASS    |
|           |           |                      |              |            | 10        | 0.00000          | 0.00000               | PASS    |
|           |           |                      |              |            | 20        | -9.22680         | -0.00496              | PASS    |
|           |           |                      |              |            | 30        | 0.01431          | 0.00001               | PASS    |
|           |           |                      |              |            | 40        | -8.52585         | -0.00458              | PASS    |
|           |           |                      |              |            | 50        | -7.81059         | -0.00420              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.22888         | -0.00012              | PASS    |
|           |           |                      |              |            | -20       | -3.07560         | -0.00164              | PASS    |
|           |           |                      |              |            | -10       | -1.84536         | -0.00098              | PASS    |
|           |           |                      |              |            | 0         | -6.69479         | -0.00356              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -2.08855         | -0.00111              | PASS    |
|           |           |                      |              |            | 20        | -6.23703         | -0.00332              | PASS    |
|           |           |                      |              |            | 30        | -3.36170         | -0.00179              | PASS    |
|           |           |                      |              |            | 40        | -4.13418         | -0.00220              | PASS    |
|           |           |                      |              |            | 50        | -4.87804         | -0.00259              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.58923         | -0.00136              | PASS    |
|           |           |                      |              |            | -20       | -3.71933         | -0.00196              | PASS    |
|           |           |                      |              |            | -10       | 0.30041          | 0.00016               | PASS    |
|           |           |                      |              |            | 0         | -4.93527         | -0.00260              | PASS    |
|           |           |                      |              |            | 10        | -2.74658         | -0.00145              | PASS    |
|           |           |                      |              |            | 20        | -4.47750         | -0.00236              | PASS    |
|           |           |                      |              |            | 30        | -4.43459         | -0.00233              | PASS    |
|           |           |                      |              |            | 40        | -5.85079         | -0.00308              | PASS    |
|           |           |                      |              |            | 50        | -3.29018         | -0.00173              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30       | -11.00063        | -0.00594              | PASS    |
|           |           |                      |              |            | -20       | -26.06392        | -0.01408              | PASS    |
|           |           |                      |              |            | -10       | -27.02236        | -0.01460              | PASS    |
|           |           |                      |              |            | 0         | -45.31860        | -0.02449              | PASS    |
|           |           |                      |              |            | 10        | -4.73499         | -0.00256              | PASS    |
|           |           |                      |              |            | 20        | -23.48900        | -0.01269              | PASS    |
|           |           |                      |              |            | 30        | -2.21729         | -0.00120              | PASS    |
|           |           |                      |              |            | 40        | -3.59058         | -0.00194              | PASS    |
|           |           |                      |              |            | 50        | -17.56668        | -0.00949              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 5.76496          | 0.00307               | PASS    |
|           |           |                      |              |            | -20       | 9.64165          | 0.00513               | PASS    |
|           |           |                      |              |            | -10       | -3.96252         | -0.00211              | PASS    |
|           |           |                      |              |            | 0         | -11.83033        | -0.00629              | PASS    |
|           |           |                      |              |            | 10        | -8.15391         | -0.00434              | PASS    |
|           |           |                      |              |            | 20        | -3.90530         | -0.00208              | PASS    |
|           |           |                      |              |            | 30        | -5.02109         | -0.00267              | PASS    |
|           |           |                      |              |            | 40        | -13.14640        | -0.00699              | PASS    |
|           |           |                      |              |            | 50        | -0.61512         | -0.00033              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 0.84400          | 0.00044               | PASS    |
|           |           |                      |              |            | -20       | -0.40054         | -0.00021              | PASS    |
|           |           |                      |              |            | -10       | -0.78678         | -0.00041              | PASS    |
|           |           |                      |              |            | 0         | 5.35011          | 0.00280               | PASS    |
|           |           |                      |              |            | 10        | -10.61440        | -0.00556              | PASS    |
|           |           |                      |              |            | 20        | 8.99792          | 0.00471               | PASS    |
|           |           |                      |              |            | 30        | -6.40869         | -0.00336              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -20.31326        | -0.01064              | PASS    |
|           |           |                      |              |            | 50        | -3.67641         | -0.00193              | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -1.31607         | -0.00071              | PASS    |
|           |           |                      |              |            | -20       | -9.05514         | -0.00489              | PASS    |
|           |           |                      |              |            | -10       | -7.98225         | -0.00431              | PASS    |
|           |           |                      |              |            | 0         | -2.66075         | -0.00144              | PASS    |
|           |           |                      |              |            | 10        | -0.47207         | -0.00025              | PASS    |
|           |           |                      |              |            | 20        | 1.44482          | 0.00078               | PASS    |
|           |           |                      |              |            | 30        | -7.19547         | -0.00389              | PASS    |
|           |           |                      |              |            | 40        | -0.92983         | -0.00050              | PASS    |
|           |           |                      |              |            | 50        | -11.78741        | -0.00637              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.64916         | -0.00247              | PASS    |
|           |           |                      |              |            | -20       | 6.00815          | 0.00320               | PASS    |
|           |           |                      |              |            | -10       | -10.70023        | -0.00569              | PASS    |
|           |           |                      |              |            | 0         | 7.42436          | 0.00395               | PASS    |
|           |           |                      |              |            | 10        | 0.08583          | 0.00005               | PASS    |
|           |           |                      |              |            | 20        | -9.32694         | -0.00496              | PASS    |
|           |           |                      |              |            | 30        | -11.80172        | -0.00628              | PASS    |
|           |           |                      |              |            | 40        | -1.14441         | -0.00061              | PASS    |
|           |           |                      |              |            | 50        | -1.07288         | -0.00057              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -8.33988         | -0.00437              | PASS    |
|           |           |                      |              |            | -20       | -3.56197         | -0.00187              | PASS    |
|           |           |                      |              |            | -10       | -5.83649         | -0.00306              | PASS    |
|           |           |                      |              |            | 0         | -2.38895         | -0.00125              | PASS    |
|           |           |                      |              |            | 10        | 3.17573          | 0.00166               | PASS    |
|           |           |                      |              |            | 20        | -1.98841         | -0.00104              | PASS    |
|           |           |                      |              |            | 30        | 1.07288          | 0.00056               | PASS    |
|           |           |                      |              |            | 40        | -2.96116         | -0.00155              | PASS    |
|           |           |                      |              |            | 50        | -16.06464        | -0.00842              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | -5.17845         | -0.00280              | PASS    |
|           |           |                      |              |            | -20       | -3.59058         | -0.00194              | PASS    |
|           |           |                      |              |            | -10       | -3.36170         | -0.00181              | PASS    |
|           |           |                      |              |            | 0         | -4.06265         | -0.00219              | PASS    |
|           |           |                      |              |            | 10        | -2.90394         | -0.00157              | PASS    |
|           |           |                      |              |            | 20        | -4.93527         | -0.00266              | PASS    |
|           |           |                      |              |            | 30        | -5.23567         | -0.00283              | PASS    |
|           |           |                      |              |            | 40        | -7.65324         | -0.00413              | PASS    |
|           |           |                      |              |            | 50        | -5.89371         | -0.00318              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -9.89914         | -0.00527              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -1.15871         | -0.00062              | PASS    |
|           |           |                      |              |            | -10       | -2.94685         | -0.00157              | PASS    |
|           |           |                      |              |            | 0         | -3.06129         | -0.00163              | PASS    |
|           |           |                      |              |            | 10        | -5.47886         | -0.00291              | PASS    |
|           |           |                      |              |            | 20        | -3.56197         | -0.00189              | PASS    |
|           |           |                      |              |            | 30        | -3.16143         | -0.00168              | PASS    |
|           |           |                      |              |            | 40        | -4.19140         | -0.00223              | PASS    |
|           |           |                      |              |            | 50        | -6.66618         | -0.00355              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -10.25677        | -0.00538              | PASS    |
|           |           |                      |              |            | -20       | -4.77791         | -0.00250              | PASS    |
|           |           |                      |              |            | -10       | -5.92232         | -0.00310              | PASS    |
|           |           |                      |              |            | 0         | -1.57356         | -0.00082              | PASS    |
|           |           |                      |              |            | 10        | -5.39303         | -0.00283              | PASS    |
|           |           |                      |              |            | 20        | -5.36442         | -0.00281              | PASS    |
|           |           |                      |              |            | 30        | -6.10828         | -0.00320              | PASS    |
|           |           |                      |              |            | 40        | -7.93934         | -0.00416              | PASS    |
|           |           |                      |              |            | 50        | -3.96252         | -0.00208              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -5.16415         | -0.00278              | PASS    |
|           |           |                      |              |            | -20       | -0.21458         | -0.00012              | PASS    |
|           |           |                      |              |            | -10       | 0.34332          | 0.00019               | PASS    |
|           |           |                      |              |            | 0         | -5.36442         | -0.00289              | PASS    |
|           |           |                      |              |            | 10        | 0.45776          | 0.00025               | PASS    |
|           |           |                      |              |            | 20        | 2.08855          | 0.00113               | PASS    |
|           |           |                      |              |            | 30        | 0.84400          | 0.00045               | PASS    |
|           |           |                      |              |            | 40        | -0.38624         | -0.00021              | PASS    |
|           |           |                      |              |            | 50        | -1.31607         | -0.00071              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.27723         | -0.00228              | PASS    |
|           |           |                      |              |            | -20       | -0.18597         | -0.00010              | PASS    |
|           |           |                      |              |            | -10       | -5.00679         | -0.00266              | PASS    |
|           |           |                      |              |            | 0         | -3.20435         | -0.00170              | PASS    |
|           |           |                      |              |            | 10        | -2.44618         | -0.00130              | PASS    |
|           |           |                      |              |            | 20        | -3.46184         | -0.00184              | PASS    |
|           |           |                      |              |            | 30        | -6.99520         | -0.00372              | PASS    |
|           |           |                      |              |            | 40        | -3.53336         | -0.00188              | PASS    |
|           |           |                      |              |            | 50        | -1.87397         | -0.00100              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -3.20435         | -0.00168              | PASS    |
|           |           |                      |              |            | -20       | -0.98705         | -0.00052              | PASS    |
|           |           |                      |              |            | -10       | -3.56197         | -0.00187              | PASS    |
|           |           |                      |              |            | 0         | -4.59194         | -0.00241              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -0.55790         | -0.00029              | PASS    |
|           |           |                      |              |            | 20        | -3.94821         | -0.00207              | PASS    |
|           |           |                      |              |            | 30        | -4.93527         | -0.00259              | PASS    |
|           |           |                      |              |            | 40        | -1.14441         | -0.00060              | PASS    |
|           |           |                      |              |            | 50        | -2.47478         | -0.00130              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | -5.00679         | -0.00270              | PASS    |
|           |           |                      |              |            | -20       | -8.48293         | -0.00457              | PASS    |
|           |           |                      |              |            | -10       | -7.76768         | -0.00418              | PASS    |
|           |           |                      |              |            | 0         | -4.89235         | -0.00263              | PASS    |
|           |           |                      |              |            | 10        | -1.37329         | -0.00074              | PASS    |
|           |           |                      |              |            | 20        | -8.02517         | -0.00432              | PASS    |
|           |           |                      |              |            | 30        | -1.04427         | -0.00056              | PASS    |
|           |           |                      |              |            | 40        | -8.54015         | -0.00460              | PASS    |
|           |           |                      |              |            | 50        | -7.96795         | -0.00429              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.90394         | -0.00154              | PASS    |
|           |           |                      |              |            | -20       | -4.19140         | -0.00223              | PASS    |
|           |           |                      |              |            | -10       | -4.92096         | -0.00262              | PASS    |
|           |           |                      |              |            | 0         | -4.36306         | -0.00232              | PASS    |
|           |           |                      |              |            | 10        | -1.18732         | -0.00063              | PASS    |
|           |           |                      |              |            | 20        | -5.30720         | -0.00282              | PASS    |
|           |           |                      |              |            | 30        | -1.94550         | -0.00103              | PASS    |
|           |           |                      |              |            | 40        | -5.17845         | -0.00275              | PASS    |
|           |           |                      |              |            | 50        | -3.66211         | -0.00195              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -4.53472         | -0.00238              | PASS    |
|           |           |                      |              |            | -20       | -8.09670         | -0.00426              | PASS    |
|           |           |                      |              |            | -10       | -5.83649         | -0.00307              | PASS    |
|           |           |                      |              |            | 0         | -5.09262         | -0.00268              | PASS    |
|           |           |                      |              |            | 10        | -4.37737         | -0.00230              | PASS    |
|           |           |                      |              |            | 20        | -6.79493         | -0.00357              | PASS    |
|           |           |                      |              |            | 30        | -3.99113         | -0.00210              | PASS    |
|           |           |                      |              |            | 40        | -7.12395         | -0.00374              | PASS    |
|           |           |                      |              |            | 50        | -6.92368         | -0.00364              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | -1.67370         | -0.00090              | PASS    |
|           |           |                      |              |            | -20       | 0.48637          | 0.00026               | PASS    |
|           |           |                      |              |            | -10       | -0.54359         | -0.00029              | PASS    |
|           |           |                      |              |            | 0         | -7.75337         | -0.00417              | PASS    |
|           |           |                      |              |            | 10        | 0.68665          | 0.00037               | PASS    |
|           |           |                      |              |            | 20        | -5.43594         | -0.00292              | PASS    |
|           |           |                      |              |            | 30        | -4.93527         | -0.00265              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -5.85079         | -0.00315              | PASS    |
|           |           |                      |              |            | 50        | -6.06537         | -0.00326              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -3.73364         | -0.00199              | PASS    |
|           |           |                      |              |            | -20       | -3.76225         | -0.00200              | PASS    |
|           |           |                      |              |            | -10       | -2.38895         | -0.00127              | PASS    |
|           |           |                      |              |            | 0         | -4.07696         | -0.00217              | PASS    |
|           |           |                      |              |            | 10        | -1.65939         | -0.00088              | PASS    |
|           |           |                      |              |            | 20        | -5.22137         | -0.00278              | PASS    |
|           |           |                      |              |            | 30        | -1.57356         | -0.00084              | PASS    |
|           |           |                      |              |            | 40        | -6.70910         | -0.00357              | PASS    |
|           |           |                      |              |            | 50        | -3.76225         | -0.00200              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 0.30041          | 0.00016               | PASS    |
|           |           |                      |              |            | -20       | -0.31471         | -0.00017              | PASS    |
|           |           |                      |              |            | -10       | 0.71526          | 0.00038               | PASS    |
|           |           |                      |              |            | 0         | -5.00679         | -0.00264              | PASS    |
|           |           |                      |              |            | 10        | -2.81811         | -0.00148              | PASS    |
|           |           |                      |              |            | 20        | -3.91960         | -0.00206              | PASS    |
|           |           |                      |              |            | 30        | -1.68800         | -0.00089              | PASS    |
|           |           |                      |              |            | 40        | -6.07967         | -0.00320              | PASS    |
|           |           |                      |              |            | 50        | -4.33445         | -0.00228              | PASS    |

END