

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   |                      | HCH          | TN         | VL         | -1.70            | -0.00201              | PASS    |
|           |           |                      |              |            | VN         | -1.24            | -0.00147              | PASS    |
|           |           |                      |              |            | VH         | -0.56            | -0.00066              | PASS    |
|           |           | 1.4                  | LCH          | TN         | VL         | 1.90             | 0.0023                | PASS    |
|           |           |                      |              |            | VN         | 2.35             | 0.00285               | PASS    |
|           |           |                      |              |            | VH         | -1.69            | -0.00205              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 11.23            | 0.01342               | PASS    |
|           |           |                      |              |            | VN         | 3.00             | 0.00359               | PASS    |
|           |           |                      |              |            | VH         | -2.88            | -0.00344              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 12.63            | 0.01489               | PASS    |
|           |           |                      |              |            | VN         | -9.71            | -0.01145              | PASS    |
|           |           |                      |              |            | VH         | 6.74             | 0.00795               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -19.91           | -0.02412              | PASS    |
|           |           |                      |              |            | VN         | -21.76           | -0.02636              | PASS    |
|           |           |                      |              |            | VH         | -18.35           | -0.02223              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.96             | 0.00593               | PASS    |
|           |           |                      |              |            | VN         | -1.54            | -0.00184              | PASS    |
|           |           |                      |              |            | VH         | -7.81            | -0.00934              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 5.21             | 0.00615               | PASS    |
|           |           |                      |              |            | VN         | 3.98             | 0.0047                | PASS    |
|           |           |                      |              |            | VH         | 6.54             | 0.00772               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 15.09            | 0.01826               | PASS    |
|           |           |                      |              |            | VN         | 0.46             | 0.00056               | PASS    |
|           |           |                      |              |            | VH         | -0.10            | -0.00012              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.10            | -0.00371              | PASS    |
|           |           |                      |              |            | VN         | -0.31            | -0.00037              | PASS    |
|           |           |                      |              |            | VH         | 0.37             | 0.00044               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 17.32            | 0.02046               | PASS    |
|           |           |                      |              |            | VN         | 14.71            | 0.01738               | PASS    |
|           |           |                      |              |            | VH         | 21.13            | 0.02496               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -55.35           | -0.06677              | PASS    |
|           |           |                      |              |            | VN         | -0.31            | -0.00037              | PASS    |
|           |           |                      |              |            | VH         | -24.50           | -0.02955              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 2.95             | 0.00353               | PASS    |
|           |           |                      |              |            | VN         | -42.70           | -0.05105              | PASS    |
|           |           |                      |              |            | VH         | -93.80           | -0.11213              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.07            | -0.00127              | PASS    |
|           |           |                      |              |            | VN         | 0.31             | 0.00037               | PASS    |
|           |           |                      |              |            | VH         | -3.85            | -0.00456              | 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 |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| BAND5     | LTE/TM1   | 1.4                  | LCH          | VN         | -30         | -6.22            | -0.00754              | PASS    |
|           |           |                      |              |            | -20         | -14.05           | -0.01704              | PASS    |
|           |           |                      |              |            | -10         | 8.14             | 0.00987               | PASS    |
|           |           |                      |              |            | 0           | -3.78            | -0.00458              | PASS    |
|           |           |                      |              |            | 10          | -7.10            | -0.00861              | PASS    |
|           |           |                      |              |            | 20          | -11.92           | -0.01445              | PASS    |
|           |           |                      |              |            | 30          | -5.65            | -0.00685              | PASS    |
|           |           |                      |              |            | 40          | 4.48             | 0.00543               | PASS    |
|           |           |                      |              |            | 50          | -12.13           | -0.01471              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -0.30            | -0.00036              | PASS    |
|           |           |                      |              |            | -20         | -3.38            | -0.00404              | PASS    |
|           |           |                      |              |            | -10         | 25.49            | 0.03047               | PASS    |
|           |           |                      |              |            | 0           | -7.64            | -0.00913              | PASS    |
|           |           |                      |              |            | 10          | -2.56            | -0.00306              | PASS    |
|           |           |                      |              |            | 20          | 7.60             | 0.00909               | PASS    |
|           |           |                      |              |            | 30          | 2.02             | 0.00241               | PASS    |
|           |           |                      |              |            | 40          | 3.71             | 0.00444               | PASS    |
|           |           |                      |              |            | 50          | 1.20             | 0.00143               | PASS    |
|           |           |                      | HCH          | VN         | -30         | -8.55            | -0.01008              | PASS    |
|           |           |                      |              |            | -20         | 0.29             | 0.00034               | PASS    |
|           |           |                      |              |            | -10         | -4.55            | -0.00536              | PASS    |
|           |           |                      |              |            | 0           | -14.09           | -0.01661              | PASS    |
|           |           |                      |              |            | 10          | -26.41           | -0.03113              | PASS    |
|           |           |                      |              |            | 20          | -16.04           | -0.01891              | PASS    |
|           |           |                      |              |            | 30          | 4.29             | 0.00506               | PASS    |
|           |           |                      |              |            | 40          | 12.16            | 0.01433               | PASS    |
|           |           |                      |              |            | 50          | 12.89            | 0.0152                | PASS    |
|           |           | 3                    | LCH          | VN         | -30         | -4.89            | -0.00592              | PASS    |
|           |           |                      |              |            | -20         | -18.97           | -0.02298              | PASS    |
|           |           |                      |              |            | -10         | -2.12            | -0.00257              | PASS    |
|           |           |                      |              |            | 0           | -18.75           | -0.02271              | PASS    |
|           |           |                      |              |            | 10          | 8.38             | 0.01015               | PASS    |
|           |           |                      |              |            | 20          | -14.16           | -0.01715              | PASS    |
|           |           |                      |              |            | 30          | 12.52            | 0.01517               | PASS    |
|           |           |                      |              |            | 40          | -4.89            | -0.00592              | PASS    |
|           |           |                      |              |            | 50          | -8.88            | -0.01076              | PASS    |
|           |           |                      | MCH          | VN         | -30         | 0.43             | 0.00051               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20         | 8.65             | 0.01034               | PASS    |
|           |           |                      |              |            | -10         | -1.26            | -0.00151              | PASS    |
|           |           |                      |              |            | 0           | 2.59             | 0.0031                | PASS    |
|           |           |                      |              |            | 10          | -3.96            | -0.00473              | PASS    |
|           |           |                      |              |            | 20          | -4.38            | -0.00524              | PASS    |
|           |           |                      |              |            | 30          | -1.22            | -0.00146              | PASS    |
|           |           |                      |              |            | 40          | -0.92            | -0.0011               | PASS    |
|           |           |                      |              |            | 50          | -2.02            | -0.00241              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -6.31            | -0.00745              | PASS    |
|           |           |                      |              |            | -20         | 12.77            | 0.01507               | PASS    |
|           |           |                      |              |            | -10         | -12.45           | -0.01469              | PASS    |
|           |           |                      |              |            | 0           | 4.79             | 0.00565               | PASS    |
|           |           |                      |              |            | 10          | 4.55             | 0.00537               | PASS    |
|           |           |                      |              |            | 20          | 4.85             | 0.00572               | PASS    |
|           |           |                      |              |            | 30          | -6.90            | -0.00814              | PASS    |
|           |           |                      |              |            | 40          | 6.81             | 0.00804               | PASS    |
|           |           |                      |              |            | 50          | -9.40            | -0.01109              | PASS    |
|           |           | 5                    | LCH          | VN         | -30         | 2.32             | 0.00281               | PASS    |
|           |           |                      |              |            | -20         | -0.06            | -0.00007              | PASS    |
|           |           |                      |              |            | -10         | -5.91            | -0.00715              | PASS    |
|           |           |                      |              |            | 0           | 1.27             | 0.00154               | PASS    |
|           |           |                      |              |            | 10          | -0.49            | -0.00059              | PASS    |
|           |           |                      |              |            | 20          | -1.13            | -0.00137              | PASS    |
|           |           |                      |              |            | 30          | -8.61            | -0.01041              | PASS    |
|           |           |                      |              |            | 40          | -2.29            | -0.00277              | PASS    |
|           |           |                      |              |            | 50          | 3.89             | 0.00471               | PASS    |
|           |           |                      | MCH          | VN         | -30         | -1.63            | -0.00195              | PASS    |
|           |           |                      |              |            | -20         | -0.20            | -0.00024              | PASS    |
|           |           |                      |              |            | -10         | -1.50            | -0.00179              | PASS    |
|           |           |                      |              |            | 0           | -3.09            | -0.00367              | PASS    |
|           |           |                      |              |            | 10          | -0.06            | -0.00005              | PASS    |
|           |           |                      |              |            | 20          | -1.54            | -0.00184              | PASS    |
|           |           |                      |              |            | 30          | -1.36            | -0.00163              | PASS    |
|           |           |                      |              |            | 40          | -1.73            | -0.00207              | PASS    |
|           |           |                      |              |            | 50          | -2.23            | -0.00267              | PASS    |
|           |           |                      | HCH          | VN         | -30         | 1.44             | 0.0017                | PASS    |
|           |           |                      |              |            | -20         | -23.37           | -0.02761              | PASS    |
|           |           |                      |              |            | -10         | -0.47            | -0.00056              | PASS    |
|           |           |                      |              |            | 0           | 16.48            | 0.01947               | PASS    |

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|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10          | 2.12             | 0.0025                | PASS    |
|           |           |                      |              |            | 20          | -16.29           | -0.01924              | PASS    |
|           |           |                      |              |            | 30          | -7.82            | -0.00923              | PASS    |
|           |           |                      |              |            | 40          | -7.64            | -0.00903              | PASS    |
|           |           |                      |              |            | 50          | -1.57            | -0.00185              | PASS    |
|           |           |                      | LCH          | VN         | -30         | 84.49            | 0.10191               | PASS    |
|           |           |                      |              |            | -20         | -8.60            | -0.01035              | PASS    |
|           |           |                      |              |            | -10         | -68.01           | -0.08204              | PASS    |
|           |           |                      |              |            | 0           | 28.22            | 0.03404               | PASS    |
|           |           |                      |              |            | 10          | 2.43             | 0.00293               | PASS    |
|           |           |                      |              |            | 20          | 33.13            | 0.03996               | PASS    |
|           |           |                      |              |            | 30          | -43.17           | -0.05207              | PASS    |
|           |           |                      |              |            | 40          | -18.34           | -0.02212              | PASS    |
|           |           |                      |              |            | 50          | 25.75            | 0.03106               | PASS    |
|           |           | 10                   | MCH          | VN         | -30         | 0.10             | 0.00012               | PASS    |
|           |           |                      |              |            | -20         | -0.40            | -0.00048              | PASS    |
|           |           |                      |              |            | -10         | 55.46            | 0.0663                | PASS    |
|           |           |                      |              |            | 0           | 56.66            | 0.06773               | PASS    |
|           |           |                      |              |            | 10          | 173.54           | 0.20746               | PASS    |
|           |           |                      |              |            | 20          | 39.10            | 0.04674               | PASS    |
|           |           |                      |              |            | 30          | 0.24             | 0.00029               | PASS    |
|           |           |                      |              |            | 40          | 215.98           | 0.25819               | PASS    |
|           |           |                      |              |            | 50          | 0.09             | 0.00011               | PASS    |
|           |           |                      | HCH          | VN         | -30         | 2.55             | 0.00302               | PASS    |
|           |           |                      |              |            | -20         | 4.12             | 0.00488               | PASS    |
|           |           |                      |              |            | -10         | 6.84             | 0.0081                | PASS    |
|           |           |                      |              |            | 0           | 11.20            | 0.01327               | PASS    |
|           |           |                      |              |            | 10          | -2.59            | -0.00307              | PASS    |
|           |           |                      |              |            | 20          | -21.60           | -0.02559              | PASS    |
|           |           |                      |              |            | 30          | -5.54            | -0.00656              | PASS    |
|           |           |                      |              |            | 40          | -61.83           | -0.07326              | PASS    |
|           |           |                      |              |            | 50          | 7.87             | 0.00932               | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30         | -1.42            | -0.00172              | PASS    |
|           |           |                      |              |            | -20         | 9.56             | 0.01159               | PASS    |
|           |           |                      |              |            | -10         | 9.88             | 0.01198               | PASS    |
|           |           |                      |              |            | 0           | -8.13            | -0.00986              | PASS    |
|           |           |                      |              |            | 10          | 7.18             | 0.00871               | PASS    |
|           |           |                      |              |            | 20          | 0.87             | 0.00105               | PASS    |
|           |           |                      |              |            | 30          | 0.50             | 0.00061               | PASS    |

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|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40          | 0.13             | 0.00016               | PASS    |
|           |           |                      |              |            | 50          | -3.53            | -0.00428              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -10.70           | -0.01279              | PASS    |
|           |           |                      |              |            | -20         | -10.14           | -0.01212              | PASS    |
|           |           |                      |              |            | -10         | 1.99             | 0.00238               | PASS    |
|           |           |                      |              |            | 0           | 6.47             | 0.00773               | PASS    |
|           |           |                      |              |            | 10          | -19.08           | -0.02283              | PASS    |
|           |           |                      |              |            | 20          | -3.58            | -0.00428              | PASS    |
|           |           |                      |              |            | 30          | -3.71            | -0.00443              | PASS    |
|           |           |                      |              |            | 40          | 3.03             | 0.00364               | PASS    |
|           |           |                      |              |            | 50          | -16.12           | -0.01927              | PASS    |
|           |           |                      | HCH          | VN         | -30         | 9.70             | 0.01143               | PASS    |
|           |           |                      |              |            | -20         | 0.36             | 0.00042               | PASS    |
|           |           |                      |              |            | -10         | 6.52             | 0.00769               | PASS    |
|           |           |                      |              |            | 0           | 8.34             | 0.00983               | PASS    |
|           |           |                      |              |            | 10          | 4.88             | 0.00575               | PASS    |
|           |           |                      |              |            | 20          | -40.30           | -0.04751              | PASS    |
|           |           |                      |              |            | 30          | -5.14            | -0.00606              | PASS    |
|           |           |                      |              |            | 40          | -16.49           | -0.01944              | PASS    |
|           |           |                      |              |            | 50          | -9.06            | -0.01068              | PASS    |
|           |           | 3                    | LCH          | VN         | -30         | -6.85            | -0.0083               | PASS    |
|           |           |                      |              |            | -20         | -10.97           | -0.01329              | PASS    |
|           |           |                      |              |            | -10         | 6.88             | 0.00833               | PASS    |
|           |           |                      |              |            | 0           | 1.20             | 0.00145               | PASS    |
|           |           |                      |              |            | 10          | -33.00           | -0.03998              | PASS    |
|           |           |                      |              |            | 20          | -5.91            | -0.00716              | PASS    |
|           |           |                      |              |            | 30          | 7.64             | 0.00925               | PASS    |
|           |           |                      |              |            | 40          | -0.16            | -0.00019              | PASS    |
|           |           |                      |              |            | 50          | 40.15            | 0.04864               | PASS    |
|           |           |                      | MCH          | VN         | -30         | 12.89            | 0.01541               | PASS    |
|           |           |                      |              |            | -20         | -2.23            | -0.00267              | PASS    |
|           |           |                      |              |            | -10         | -5.49            | -0.00656              | PASS    |
|           |           |                      |              |            | 0           | -2.15            | -0.00257              | PASS    |
|           |           |                      |              |            | 10          | -4.85            | -0.0058               | PASS    |
|           |           |                      |              |            | 20          | 0.96             | 0.00115               | PASS    |
|           |           |                      |              |            | 30          | -1.44            | -0.00172              | PASS    |
|           |           |                      |              |            | 40          | -2.17            | -0.00259              | PASS    |
|           |           |                      |              |            | 50          | 4.16             | 0.00497               | PASS    |
|           |           |                      | HCH          | VN         | -30         | -3.38            | -0.00399              | PASS    |

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|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20         | -1.37            | -0.00162              | PASS    |
|           |           |                      |              |            | -10         | -2.37            | -0.0028               | PASS    |
|           |           |                      |              |            | 0           | -3.88            | -0.00458              | PASS    |
|           |           |                      |              |            | 10          | 1.12             | 0.00132               | PASS    |
|           |           |                      |              |            | 20          | 4.15             | 0.0049                | PASS    |
|           |           |                      |              |            | 30          | 11.50            | 0.01357               | PASS    |
|           |           |                      |              |            | 40          | -11.03           | -0.01301              | PASS    |
|           |           |                      |              |            | 50          | -6.54            | -0.00772              | PASS    |
|           |           | 5                    | LCH          | VN         | -30         | -3.16            | -0.00382              | PASS    |
|           |           |                      |              |            | -20         | -1.72            | -0.00208              | PASS    |
|           |           |                      |              |            | -10         | 4.86             | 0.00588               | PASS    |
|           |           |                      |              |            | 0           | 0.14             | 0.00017               | PASS    |
|           |           |                      |              |            | 10          | -2.68            | -0.00324              | PASS    |
|           |           |                      |              |            | 20          | -7.93            | -0.00959              | PASS    |
|           |           |                      |              |            | 30          | 8.20             | 0.00992               | PASS    |
|           |           |                      |              |            | 40          | -0.80            | -0.00097              | PASS    |
|           |           |                      |              |            | 50          | -0.14            | -0.00017              | PASS    |
|           |           |                      | MCH          | VN         | -30         | 0.40             | 0.00048               | PASS    |
|           |           |                      |              |            | -20         | -2.69            | -0.00322              | PASS    |
|           |           |                      |              |            | -10         | -1.09            | -0.0013               | PASS    |
|           |           |                      |              |            | 0           | -2.07            | -0.00247              | PASS    |
|           |           |                      |              |            | 10          | 1.07             | 0.00128               | PASS    |
|           |           |                      |              |            | 20          | -2.98            | -0.00356              | PASS    |
|           |           |                      |              |            | 30          | 0.60             | 0.00072               | PASS    |
|           |           |                      |              |            | 40          | -0.67            | -0.0008               | PASS    |
|           |           |                      |              |            | 50          | -3.36            | -0.00402              | PASS    |
|           |           |                      | HCH          | VN         | -30         | 7.45             | 0.0088                | PASS    |
|           |           |                      |              |            | -20         | 3.75             | 0.00443               | PASS    |
|           |           |                      |              |            | -10         | -4.79            | -0.00566              | PASS    |
|           |           |                      |              |            | 0           | -0.21            | -0.00025              | PASS    |
|           |           |                      |              |            | 10          | -4.62            | -0.00546              | PASS    |
|           |           |                      |              |            | 20          | -0.13            | -0.00015              | PASS    |
|           |           |                      |              |            | 30          | 1.80             | 0.00213               | PASS    |
|           |           |                      |              |            | 40          | -3.76            | -0.00444              | PASS    |
|           |           |                      |              |            | 50          | 3.30             | 0.0039                | PASS    |
|           |           | 10                   | LCH          | VN         | -30         | -19.21           | -0.02317              | PASS    |
|           |           |                      |              |            | -20         | 10.29            | 0.01241               | PASS    |
|           |           |                      |              |            | -10         | -29.03           | -0.03502              | PASS    |
|           |           |                      |              |            | 0           | 10.90            | 0.01315               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10          | -13.72           | -0.01655              | PASS    |
|           |           |                      |              |            | 20          | -21.01           | -0.02534              | PASS    |
|           |           |                      |              |            | 30          | -4.38            | -0.00528              | PASS    |
|           |           |                      |              |            | 40          | 36.18            | 0.04364               | PASS    |
|           |           |                      |              |            | 50          | 21.36            | 0.02576               | PASS    |
|           |           |                      | MCH          | VN         | -30         | -0.21            | -0.00025              | PASS    |
|           |           |                      |              |            | -20         | -336.47          | -0.40223              | PASS    |
|           |           |                      |              |            | -10         | -0.39            | -0.00047              | PASS    |
|           |           |                      |              |            | 0           | -127.26          | -0.15211              | PASS    |
|           |           |                      |              |            | 10          | -198.96          | -0.23785              | PASS    |
|           |           |                      |              |            | 20          | 46.86            | 0.05602               | PASS    |
|           |           |                      |              |            | 30          | 58.88            | 0.07037               | PASS    |
|           |           |                      |              |            | 40          | -88.53           | -0.10583              | PASS    |
|           |           |                      |              |            | 50          | -0.43            | -0.00051              | PASS    |
|           |           |                      | HCH          | VN         | -30         | 3.58             | 0.00423               | PASS    |
|           |           |                      |              |            | -20         | -3.28            | -0.00389              | PASS    |
|           |           |                      |              |            | -10         | 1.32             | 0.00154               | PASS    |
|           |           |                      |              |            | 0           | 1.42             | 0.00167               | PASS    |
|           |           |                      |              |            | 10          | -1.92            | -0.00228              | PASS    |
|           |           |                      |              |            | 20          | -2.22            | -0.00264              | PASS    |
|           |           |                      |              |            | 30          | -5.97            | -0.00708              | PASS    |
|           |           |                      |              |            | 40          | -0.37            | -0.00042              | PASS    |
|           |           |                      |              |            | 50          | -0.96            | -0.00115              | PASS    |

END