



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
|           |           | 10                   | MCH          | TN         | VL         | 0.80             | 0.00096               | PASS     |      |
|           |           |                      |              |            | VN         | 1.53             | 0.00183               | PASS     |      |
|           |           |                      |              |            | VH         | 1.70             | 0.00203               | PASS     |      |
|           |           |                      | HCH          | TN         | VL         | -1.57            | -0.00185              | PASS     |      |
|           |           |                      |              |            | VN         | -1.99            | -0.00235              | PASS     |      |
|           |           |                      |              |            | VH         | -2.10            | -0.00248              | PASS     |      |
|           |           |                      | LCH          | TN         | VL         | 1.60             | 0.00193               | PASS     |      |
|           |           |                      |              |            | VN         | 0.90             | 0.00109               | PASS     |      |
|           |           |                      |              |            | VH         | 0.86             | 0.00104               | PASS     |      |
|           |           | MCH                  | TN           | VL         | 1.02       | 0.00122          | PASS                  |          |      |
|           |           |                      |              | VN         | 0.39       | 0.00047          | PASS                  |          |      |
|           |           |                      |              | VH         | 1.33       | 0.00159          | PASS                  |          |      |
|           |           | HCH                  | TN           | VL         | -0.80      | -0.00095         | PASS                  |          |      |
|           |           |                      |              | VN         | 0.59       | 0.0007           | PASS                  |          |      |
|           |           |                      |              | VH         | -0.51      | -0.0006          | PASS                  |          |      |
|           |           | LTE/TM2              | 1.4          | LCH        | TN         | VL               | -1.27                 | -0.00154 | PASS |
|           |           |                      |              |            |            | VN               | -1.00                 | -0.00121 | PASS |
|           |           |                      |              |            |            | VH               | -0.59                 | -0.00072 | PASS |
|           | MCH       |                      |              | TN         | VL         | 3.71             | 0.00444               | PASS     |      |
|           |           |                      |              |            | VN         | 4.32             | 0.00516               | PASS     |      |
|           |           |                      |              |            | VH         | 3.68             | 0.0044                | PASS     |      |
|           | HCH       |                      |              | TN         | VL         | -0.70            | -0.00083              | PASS     |      |
|           |           |                      |              |            | VN         | -1.13            | -0.00133              | PASS     |      |
|           |           |                      |              |            | VH         | -2.12            | -0.0025               | PASS     |      |
|           | 3         |                      | LCH          | TN         | VL         | -1.56            | -0.00189              | PASS     |      |
|           |           |                      |              |            | VN         | -2.75            | -0.00333              | PASS     |      |
|           |           |                      |              |            | VH         | -1.29            | -0.00156              | PASS     |      |
|           |           |                      | MCH          | TN         | VL         | 0.69             | 0.00082               | PASS     |      |
|           |           |                      |              |            | VN         | -0.50            | -0.0006               | PASS     |      |
|           |           |                      |              |            | VH         | -0.83            | -0.00099              | PASS     |      |
|           | HCH       |                      | TN           | VL         | -3.91      | -0.00461         | PASS                  |          |      |
|           |           |                      |              | VN         | -3.38      | -0.00399         | PASS                  |          |      |
|           |           |                      |              | VH         | -2.35      | -0.00277         | PASS                  |          |      |
|           | 5         | LCH                  | TN           | VL         | -0.84      | -0.00102         | PASS                  |          |      |
|           |           |                      |              | VN         | -0.44      | -0.00053         | PASS                  |          |      |
|           |           |                      |              | VH         | -0.72      | -0.00087         | PASS                  |          |      |
|           |           | MCH                  | TN           | VL         | 0.99       | 0.00118          | PASS                  |          |      |
|           |           |                      |              | VN         | 0.72       | 0.00086          | PASS                  |          |      |
|           |           |                      |              | VH         | -0.23      | -0.00027         | PASS                  |          |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 10                   | HCH          | TN         | VL         | -2.02            | -0.00239              | PASS    |
|           |           |                      |              |            | VN         | -2.29            | -0.00271              | PASS    |
|           |           |                      |              |            | VH         | -2.78            | -0.00328              | PASS    |
|           |           |                      | LCH          | TN         | VL         | 1.00             | 0.00121               | PASS    |
|           |           |                      |              |            | VN         | 0.80             | 0.00097               | PASS    |
|           |           |                      |              |            | VH         | 0.77             | 0.00093               | PASS    |
|           |           | MCH                  | TN           | VL         | 1.03       | 0.00123          | PASS                  |         |
|           |           |                      |              | VN         | 0.90       | 0.00108          | PASS                  |         |
|           |           |                      |              | VH         | 0.60       | 0.00072          | PASS                  |         |
|           |           | HCH                  | TN           | VL         | 0.62       | 0.00073          | PASS                  |         |
|           |           |                      |              | VN         | -0.31      | -0.00037         | PASS                  |         |
|           |           |                      |              | VH         | -0.39      | -0.00046         | PASS                  |         |

### 8.3.2 Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND5     | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | 0.24             | 0.00029               | PASS    |
|           |           |                      |              |            | -20        | -0.43            | -0.00052              | PASS    |
|           |           |                      |              |            | -10        | -1.70            | -0.00206              | PASS    |
|           |           |                      |              |            | 0          | 0.40             | 0.00049               | PASS    |
|           |           |                      |              |            | 10         | -1.29            | -0.00156              | PASS    |
|           |           |                      |              |            | 20         | -1.83            | -0.00222              | PASS    |
|           |           |                      |              |            | 30         | 0.76             | 0.00092               | PASS    |
|           |           |                      |              |            | 40         | 0.94             | 0.00114               | PASS    |
|           |           |                      |              |            | 50         | 0.07             | 0.00008               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 3.22             | 0.00385               | PASS    |
|           |           |                      |              |            | -20        | -0.24            | -0.00029              | PASS    |
|           |           |                      |              |            | -10        | 1.27             | 0.00152               | PASS    |
|           |           |                      |              |            | 0          | -1.46            | -0.00175              | PASS    |
|           |           |                      |              |            | 10         | 0.74             | 0.00088               | PASS    |
|           |           |                      |              |            | 20         | 1.06             | 0.00127               | PASS    |
|           |           |                      |              |            | 30         | 1.44             | 0.00172               | PASS    |
|           |           |                      |              |            | 40         | 2.09             | 0.0025                | PASS    |
|           |           |                      |              |            | 50         | 1.03             | 0.00123               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.48            | -0.0041               | PASS    |
|           |           |                      |              |            | -20        | -2.99            | -0.00352              | PASS    |
|           |           |                      |              |            | -10        | -1.53            | -0.0018               | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |          |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|----------|------|
|           |           |                      |              |            | 0          | -4.41            | -0.0052               | PASS    |          |      |
|           |           |                      |              |            | 10         | -4.13            | -0.00487              | PASS    |          |      |
|           |           |                      |              |            | 20         | -2.00            | -0.00236              | PASS    |          |      |
|           |           |                      |              |            | 30         | -3.33            | -0.00393              | PASS    |          |      |
|           |           |                      |              |            | 40         | 0.10             | 0.00012               | PASS    |          |      |
|           |           |                      |              |            | 50         | -3.08            | -0.00363              | PASS    |          |      |
|           |           | 3                    | LCH          | VN         | -30        | -1.63            | -0.00197              | PASS    |          |      |
|           |           |                      |              |            | -20        | -1.56            | -0.00189              | PASS    |          |      |
|           |           |                      |              |            | -10        | -1.53            | -0.00185              | PASS    |          |      |
|           |           |                      |              |            | 0          | -0.06            | -0.00007              | PASS    |          |      |
|           |           |                      |              |            | 10         | -2.96            | -0.00359              | PASS    |          |      |
|           |           |                      |              |            | 20         | -1.04            | -0.00126              | PASS    |          |      |
|           |           |                      |              |            | 30         | -0.36            | -0.00044              | PASS    |          |      |
|           |           |                      |              |            | 40         | -2.12            | -0.00257              | PASS    |          |      |
|           |           |                      |              |            | 50         | -3.69            | -0.00447              | PASS    |          |      |
|           |           |                      |              |            | MCH        | VN               | -30                   | 1.86    | 0.00222  | PASS |
|           |           |                      |              |            |            |                  | -20                   | 2.96    | 0.00354  | PASS |
|           |           |                      |              |            |            |                  | -10                   | 1.76    | 0.0021   | PASS |
|           |           |                      |              |            |            |                  | 0                     | 2.02    | 0.00241  | PASS |
|           |           |                      |              |            |            |                  | 10                    | 2.42    | 0.00289  | PASS |
|           |           |                      |              |            |            |                  | 20                    | 2.27    | 0.00271  | PASS |
|           |           |                      |              |            |            |                  | 30                    | 0.60    | 0.00072  | PASS |
|           |           |                      |              |            |            |                  | 40                    | -0.73   | -0.00087 | PASS |
|           |           |                      |              |            |            |                  | 50                    | -0.06   | -0.00007 | PASS |
|           |           | HCH                  | VN           | -30        | -1.29      | -0.00152         | PASS                  |         |          |      |
|           |           |                      |              | -20        | 0.53       | 0.00063          | PASS                  |         |          |      |
|           |           |                      |              | -10        | -0.56      | -0.00066         | PASS                  |         |          |      |
|           |           |                      |              | 0          | 0.09       | 0.00011          | PASS                  |         |          |      |
|           |           |                      |              | 10         | -0.30      | -0.00035         | PASS                  |         |          |      |
|           |           |                      |              | 20         | -0.86      | -0.00101         | PASS                  |         |          |      |
| 30        | 1.00      |                      |              | 0.00118    | PASS       |                  |                       |         |          |      |
| 40        | 0.47      |                      |              | 0.00055    | PASS       |                  |                       |         |          |      |
| 50        | 0.43      |                      |              | 0.00051    | PASS       |                  |                       |         |          |      |
| 5         | LCH       | VN                   | -30          | -0.17      | -0.00021   | PASS             |                       |         |          |      |
|           |           |                      | -20          | -2.03      | -0.00246   | PASS             |                       |         |          |      |
|           |           |                      | -10          | -1.13      | -0.00137   | PASS             |                       |         |          |      |
|           |           |                      | 0            | -0.74      | -0.0009    | PASS             |                       |         |          |      |
|           |           |                      | 10           | -1.83      | -0.00221   | PASS             |                       |         |          |      |
|           |           |                      | 20           | -1.26      | -0.00152   | PASS             |                       |         |          |      |



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|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 10                   |              |            | 30         | -2.33            | -0.00282              | PASS    |
|           |           |                      |              |            | 40         | -1.32            | -0.0016               | PASS    |
|           |           |                      |              |            | 50         | -0.47            | -0.00057              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.93             | 0.00231               | PASS    |
|           |           |                      |              |            | -20        | 1.95             | 0.00233               | PASS    |
|           |           |                      |              |            | -10        | 1.52             | 0.00182               | PASS    |
|           |           |                      |              |            | 0          | 1.17             | 0.0014                | PASS    |
|           |           |                      |              |            | 10         | 1.80             | 0.00215               | PASS    |
|           |           |                      |              |            | 20         | 1.82             | 0.00218               | PASS    |
|           |           |                      |              |            | 30         | 1.33             | 0.00159               | PASS    |
|           |           |                      |              |            | 40         | 0.33             | 0.00039               | PASS    |
|           |           |                      |              |            | 50         | -0.47            | -0.00056              | PASS    |
|           |           |                      |              |            | HCH        | VN               | -30                   | -2.57   |
|           |           |                      | -20          | -3.66      |            |                  | -0.00432              | PASS    |
|           |           |                      | -10          | -3.05      |            |                  | -0.0036               | PASS    |
|           |           |                      | 0            | -2.27      |            |                  | -0.00268              | PASS    |
|           |           |                      | 10           | -2.56      |            |                  | -0.00302              | PASS    |
|           |           |                      | 20           | -1.03      |            |                  | -0.00122              | PASS    |
|           |           |                      | 30           | -3.60      |            |                  | -0.00425              | PASS    |
|           |           |                      | 40           | -0.47      |            |                  | -0.00056              | PASS    |
|           |           |                      | LCH          | VN         | -30        | 1.49             | 0.0018                | PASS    |
|           |           |                      |              |            | -20        | 2.19             | 0.00264               | PASS    |
|           |           |                      |              |            | -10        | 0.41             | 0.00049               | PASS    |
|           |           |                      |              |            | 0          | 0.74             | 0.00089               | PASS    |
|           |           |                      |              |            | 10         | 1.29             | 0.00156               | PASS    |
|           |           |                      |              |            | 20         | 0.26             | 0.00031               | PASS    |
|           |           |                      |              |            | 30         | 0.80             | 0.00097               | PASS    |
|           |           |                      |              |            | 40         | 0.13             | 0.00016               | PASS    |
|           |           |                      |              |            | 50         | 1.72             | 0.00207               | PASS    |
|           |           |                      |              |            | MCH        | VN               | -30                   | 0.70    |
|           |           |                      | -20          | 0.99       |            |                  | 0.00118               | PASS    |
|           |           |                      | -10          | 0.90       |            |                  | 0.00108               | PASS    |
|           |           |                      | 0            | 1.37       |            |                  | 0.00164               | PASS    |
| 10        | 0.53      | 0.00063              | PASS         |            |            |                  |                       |         |
| 20        | -1.37     | -0.00164             | PASS         |            |            |                  |                       |         |
| 30        | 0.47      | 0.00056              | PASS         |            |            |                  |                       |         |
| 40        | 0.74      | 0.00088              | PASS         |            |            |                  |                       |         |
| 50        | 0.13      | 0.00016              | PASS         |            |            |                  |                       |         |



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|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|-----|-------|----------|------|
|           |           |                      | HCH          | VN         | -30        | -0.59            | -0.0007               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | -20        | 1.72             | 0.00204               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | -10        | 1.43             | 0.00169               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | 0          | 1.76             | 0.00209               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | 10         | -0.01            | -0.00001              | PASS     |      |     |       |          |      |
|           |           |                      |              |            | 20         | 0.50             | 0.00059               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | 30         | 0.96             | 0.00114               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | 40         | 0.41             | 0.00049               | PASS     |      |     |       |          |      |
|           |           |                      |              |            | 50         | 0.82             | 0.00097               | PASS     |      |     |       |          |      |
|           |           |                      |              |            |            | LTE/TM2          | 1.4                   | LCH      | VN   | -30 | -0.49 | -0.00059 | PASS |
|           |           |                      |              |            |            |                  |                       |          |      | -20 | -1.62 | -0.00196 | PASS |
|           |           |                      |              |            |            |                  |                       |          |      | -10 | -1.62 | -0.00196 | PASS |
|           |           |                      |              |            |            |                  |                       |          |      | 0   | -1.19 | -0.00144 | PASS |
|           |           |                      |              |            |            |                  |                       |          |      | 10  | 0.11  | 0.00013  | PASS |
|           | 20        | 0.16                 | 0.00019      | PASS       |            |                  |                       |          |      |     |       |          |      |
|           | 30        | -2.00                | -0.00243     | PASS       |            |                  |                       |          |      |     |       |          |      |
|           | 40        | -0.11                | -0.00013     | PASS       |            |                  |                       |          |      |     |       |          |      |
|           | 50        | 0.66                 | 0.0008       | PASS       |            |                  |                       |          |      |     |       |          |      |
|           | MCH       | VN                   | -30          | 3.50       |            |                  |                       | 0.00418  | PASS |     |       |          |      |
|           |           |                      | -20          | 2.65       |            |                  |                       | 0.00317  | PASS |     |       |          |      |
|           |           |                      | -10          | 2.73       |            |                  |                       | 0.00326  | PASS |     |       |          |      |
|           |           |                      | 0            | 3.22       |            |                  |                       | 0.00385  | PASS |     |       |          |      |
|           |           |                      | 10           | 2.25       |            |                  |                       | 0.00269  | PASS |     |       |          |      |
|           |           |                      | 20           | 1.07       |            |                  |                       | 0.00128  | PASS |     |       |          |      |
|           |           |                      | 30           | 0.70       |            |                  |                       | 0.00084  | PASS |     |       |          |      |
|           |           |                      | 40           | 4.03       |            |                  |                       | 0.00482  | PASS |     |       |          |      |
|           |           |                      | 50           | 1.42       |            |                  |                       | 0.0017   | PASS |     |       |          |      |
|           | HCH       | VN                   | -30          | -2.55      | -0.00301   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | -20          | -2.13      | -0.00251   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | -10          | -2.83      | -0.00334   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 0            | -0.94      | -0.00111   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 10           | -3.15      | -0.00371   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 20           | -2.88      | -0.0034    | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 30           | -2.59      | -0.00305   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 40           | -2.93      | -0.00345   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 50           | -0.57      | -0.00067   | PASS             |                       |          |      |     |       |          |      |
|           |           |                      | 3            | LCH        | VN         | -30              | -2.80                 | -0.00339 | PASS |     |       |          |      |
|           |           |                      |              |            |            | -20              | -1.97                 | -0.00239 | PASS |     |       |          |      |
|           |           |                      |              |            |            | -10              | -2.93                 | -0.00355 | PASS |     |       |          |      |



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|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | -2.68            | -0.00325              | PASS    |
|           |           |                      |              |            | 10         | -2.20            | -0.00267              | PASS    |
|           |           |                      |              |            | 20         | -1.76            | -0.00213              | PASS    |
|           |           |                      |              |            | 30         | -2.63            | -0.00319              | PASS    |
|           |           |                      |              |            | 40         | -3.12            | -0.00378              | PASS    |
|           |           |                      |              |            | 50         | -2.00            | -0.00242              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 2.83             | 0.00338               | PASS    |
|           |           |                      |              |            | -20        | 2.68             | 0.0032                | PASS    |
|           |           |                      |              |            | -10        | 1.24             | 0.00148               | PASS    |
|           |           |                      |              |            | 0          | -0.64            | -0.00077              | PASS    |
|           |           |                      |              |            | 10         | 0.07             | 0.00008               | PASS    |
|           |           |                      |              |            | 20         | 0.89             | 0.00106               | PASS    |
|           |           |                      |              |            | 30         | 1.36             | 0.00163               | PASS    |
|           |           |                      |              |            | 40         | 0.51             | 0.00061               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.77            | -0.00209              | PASS    |
|           |           |                      |              |            | -20        | 0.56             | 0.00066               | PASS    |
|           |           |                      |              |            | -10        | 0.20             | 0.00024               | PASS    |
|           |           |                      |              |            | 0          | -1.47            | -0.00173              | PASS    |
|           |           |                      |              |            | 10         | -1.60            | -0.00189              | PASS    |
|           |           |                      |              |            | 20         | -1.04            | -0.00123              | PASS    |
|           |           |                      |              |            | 30         | -1.80            | -0.00212              | PASS    |
|           |           |                      |              |            | 40         | -1.52            | -0.00179              | PASS    |
|           |           |                      | LCH          | VN         | -30        | -1.27            | -0.00154              | PASS    |
|           |           |                      |              |            | -20        | -0.79            | -0.00096              | PASS    |
|           |           |                      |              |            | -10        | -3.26            | -0.00394              | PASS    |
|           |           |                      |              |            | 0          | -0.67            | -0.00081              | PASS    |
|           |           |                      |              |            | 10         | -1.17            | -0.00142              | PASS    |
|           |           |                      |              |            | 20         | -0.41            | -0.0005               | PASS    |
|           |           |                      |              |            | 30         | -0.13            | -0.00016              | PASS    |
|           |           |                      |              |            | 40         | 0.46             | 0.00056               | PASS    |
|           |           |                      |              |            | 50         | -1.02            | -0.00123              | PASS    |
|           |           |                      |              |            | MCH        | VN               | -30                   | 0.43    |
|           |           |                      | -20          | 1.43       |            |                  | 0.00171               | PASS    |
|           |           |                      | -10          | 0.56       |            |                  | 0.00067               | PASS    |
|           |           |                      | 0            | 0.20       |            |                  | 0.00024               | PASS    |
|           |           |                      | 10           | -0.06      |            |                  | -0.00007              | PASS    |
|           |           |                      | 20           | 0.76       |            |                  | 0.00091               | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |         |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|---------|------|
|           |           |                      |              |            | 30         | 2.90             | 0.00347               | PASS    |         |      |
|           |           |                      |              |            | 40         | -0.53            | -0.00063              | PASS    |         |      |
|           |           |                      |              |            | 50         | 1.46             | 0.00175               | PASS    |         |      |
|           |           |                      | HCH          | VN         | -30        | -1.26            | -0.00149              | PASS    |         |      |
|           |           |                      |              |            | -20        | -2.23            | -0.00263              | PASS    |         |      |
|           |           |                      |              |            | -10        | -0.57            | -0.00067              | PASS    |         |      |
|           |           |                      |              |            | 0          | -1.04            | -0.00123              | PASS    |         |      |
|           |           |                      |              |            | 10         | -2.49            | -0.00294              | PASS    |         |      |
|           |           |                      |              |            | 20         | -0.59            | -0.0007               | PASS    |         |      |
|           |           |                      |              |            | 30         | -2.46            | -0.00291              | PASS    |         |      |
|           |           |                      |              |            | 40         | -1.50            | -0.00177              | PASS    |         |      |
|           |           |                      |              |            | 50         | -2.92            | -0.00345              | PASS    |         |      |
|           |           |                      |              |            | LCH        | VN               | -30                   | 0.99    | 0.00119 | PASS |
|           |           |                      |              |            |            |                  | -20                   | 0.17    | 0.00021 | PASS |
|           |           |                      |              |            |            |                  | -10                   | 2.49    | 0.003   | PASS |
|           |           | 0                    | 0.60         | 0.00072    |            |                  | PASS                  |         |         |      |
|           |           | 10                   | 1.89         | 0.00228    |            |                  | PASS                  |         |         |      |
|           |           | 20                   | 0.29         | 0.00035    |            |                  | PASS                  |         |         |      |
|           |           | 30                   | 1.80         | 0.00217    |            |                  | PASS                  |         |         |      |
|           |           | 40                   | -0.82        | -0.00099   |            |                  | PASS                  |         |         |      |
|           |           | 50                   | -0.73        | -0.00088   |            |                  | PASS                  |         |         |      |
|           |           | MCH                  | VN           | -30        | 0.14       | 0.00017          | PASS                  |         |         |      |
|           |           |                      |              | -20        | 1.23       | 0.00147          | PASS                  |         |         |      |
|           |           |                      |              | -10        | 0.50       | 0.0006           | PASS                  |         |         |      |
|           |           |                      |              | 0          | 0.76       | 0.00091          | PASS                  |         |         |      |
|           |           |                      |              | 10         | -1.27      | -0.00152         | PASS                  |         |         |      |
|           |           |                      |              | 20         | 0.16       | 0.00019          | PASS                  |         |         |      |
|           |           |                      |              | 30         | -1.00      | -0.0012          | PASS                  |         |         |      |
|           |           |                      |              | 40         | 1.33       | 0.00159          | PASS                  |         |         |      |
|           |           |                      |              | 50         | -0.54      | -0.00065         | PASS                  |         |         |      |
|           |           | HCH                  | VN           | -30        | -0.17      | -0.0002          | PASS                  |         |         |      |
|           |           |                      |              | -20        | -1.44      | -0.00171         | PASS                  |         |         |      |
|           |           |                      |              | -10        | -0.24      | -0.00028         | PASS                  |         |         |      |
|           |           |                      |              | 0          | 0.92       | 0.00109          | PASS                  |         |         |      |
|           |           |                      |              | 10         | 0.62       | 0.00073          | PASS                  |         |         |      |
|           |           |                      |              | 20         | 0.47       | 0.00056          | PASS                  |         |         |      |
|           |           |                      |              | 30         | 0.93       | 0.0011           | PASS                  |         |         |      |
|           |           |                      |              | 40         | 0.59       | 0.0007           | PASS                  |         |         |      |
|           |           | 50                   | 0.16         | 0.00019    | PASS       |                  |                       |         |         |      |



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END