

## Appendix G: Frequency Stability

### Test Result

| Test Mode  | Antenna | Frequency [MHz] | Voltage       |                  |                |                 |             | Verdict |
|------------|---------|-----------------|---------------|------------------|----------------|-----------------|-------------|---------|
|            |         |                 | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) |         |
| 11A        | Ant1    | 5180            | NV            | NT               | 20000.00       | 3.861004        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.861004        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.861004        | 20          | PASS    |
|            |         | 5200            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.846154        | 20          | PASS    |
|            |         |                 | HV            | NT               | 40000.00       | 7.692308        | 20          | PASS    |
|            |         | 5240            | NV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         |                 | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5745            | NV            | NT               | 20000.00       | 3.481288        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.481288        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.481288        | 20          | PASS    |
|            |         | 5785            | NV            | NT               | 20000.00       | 3.457217        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.457217        | 20          | PASS    |
|            |         |                 | HV            | NT               | 40000.00       | 6.914434        | 20          | PASS    |
|            |         | 5825            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.433476        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.433476        | 20          | PASS    |
| 11N20SISO  | Ant1    | 5180            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.861004        | 20          | PASS    |
|            |         |                 | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5200            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.846154        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.846154        | 20          | PASS    |
|            |         | 5240            | NV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         | 5745            | NV            | NT               | 20000.00       | 3.481288        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.481288        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.481288        | 20          | PASS    |
|            |         | 5785            | NV            | NT               | 20000.00       | 3.457217        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.457217        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.457217        | 20          | PASS    |
|            |         | 5825            | NV            | NT               | 20000.00       | 3.433476        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.433476        | 20          | PASS    |
|            |         |                 | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11N40SISO  | Ant1    | 5190            | NV            | NT               | 40000.00       | 7.707129        | 20          | PASS    |
|            |         |                 | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5230            | NV            | NT               | 40000.00       | 7.648184        | 20          | PASS    |
|            |         |                 | LV            | NT               | 40000.00       | 7.648184        | 20          | PASS    |
|            |         |                 | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5755            | NV            | NT               | 40000.00       | 6.950478        | 20          | PASS    |
|            |         |                 | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | HV            | NT               | 40000.00       | 6.950478        | 20          | PASS    |
|            |         | 5795            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 40000.00       | 6.902502        | 20          | PASS    |
|            |         |                 | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11AC20SISO | Ant1    | 5180            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.861004        | 20          | PASS    |
|            |         | 5200            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.846154        | 20          | PASS    |
|            |         | 5240            | NV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         |                 | LV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |
|            |         |                 | HV            | NT               | 20000.00       | 3.816794        | 20          | PASS    |

|                |      |      |    |     |           |            |    |      |
|----------------|------|------|----|-----|-----------|------------|----|------|
|                |      | 5745 | NV | NT  | 20000.00  | 3.481288   | 20 | PASS |
|                |      |      | LV | NT  | 20000.00  | 3.481288   | 20 | PASS |
|                |      |      | HV | NT  | 20000.00  | 3.481288   | 20 | PASS |
|                |      | 5785 | NV | NT  | 20000.00  | 3.457217   | 20 | PASS |
|                |      |      | LV | NT  | 20000.00  | 3.457217   | 20 | PASS |
|                |      |      | HV | NT  | 20000.00  | 3.457217   | 20 | PASS |
|                |      | 5825 | NV | NT  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | LV | NT  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | HV | NT  | 20000.00  | 3.433476   | 20 | PASS |
| 11AC40SIS<br>O | Ant1 | 5190 | NV | NT  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | LV | NT  | 40000.00  | 7.707129   | 20 | PASS |
|                |      |      | HV | NT  | 40000.00  | 7.707129   | 20 | PASS |
|                |      | 5230 | NV | NT  | 40000.00  | 7.648184   | 20 | PASS |
|                |      |      | LV | NT  | 40000.00  | 7.648184   | 20 | PASS |
|                |      |      | HV | NT  | 40000.00  | 7.648184   | 20 | PASS |
|                |      | 5755 | NV | NT  | 40000.00  | 6.950478   | 20 | PASS |
|                |      |      | LV | NT  | 40000.00  | 6.950478   | 20 | PASS |
|                |      |      | HV | NT  | 40000.00  | 6.950478   | 20 | PASS |
|                |      | 5795 | NV | NT  | 40000.00  | 6.902502   | 20 | PASS |
|                |      |      | LV | NT  | 40000.00  | 6.902502   | 20 | PASS |
|                |      |      | HV | NT  | 40000.00  | 6.902502   | 20 | PASS |
| 11AC80SIS<br>O | Ant1 | 5210 | NV | -30 | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | -20 | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | -10 | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | 0   | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | 10  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 20  | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | 30  | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | 40  | -80000.00 | -15.355086 | 20 | PASS |
|                |      |      | NV | 50  | -80000.00 | -15.355086 | 20 | PASS |
|                | Ant1 | 5775 | NV | -30 | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | -20 | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | -10 | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 10  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 20  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 30  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 40  | 0.00      | 0.000000   | 20 | PASS |
|                |      |      | NV | 50  | 0.00      | 0.000000   | 20 | PASS |

## Photographs of the Test Setup

See the Appendix – Test Setup Photos.

## Photographs of the EUT

See the Appendix - EUT Photos.

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