



## 1.176 11AC20MIMO\_Ant2\_5320





## 1.177 11AC20MIMO\_Ant1\_5500





## 1.178 11AC20MIMO\_Ant2\_5500





## 1.179 11AC20MIMO\_Ant1\_5580





## 1.180 11AC20MIMO\_Ant2\_5580





## 1.181 11AC20MIMO\_Ant1\_5700





## 1.182 11AC20MIMO\_Ant2\_5700





## 1.183 11AC20MIMO\_Ant1\_5745





## 1.184 11AC20MIMO\_Ant2\_5745





## 1.185 11AC20MIMO\_Ant1\_5785





## 1.186 11AC20MIMO\_Ant2\_5785





## 1.187 11AC20MIMO\_Ant1\_5825





## 1.188 11AC20MIMO\_Ant2\_5825





## 1.189 11AC40MIMO\_Ant1\_5190





## 1.190 11AC40MIMO\_Ant2\_5190





## 1.191 11AC40MIMO\_Ant1\_5230





## 1.192 11AC40MIMO\_Ant2\_5230





## 1.193 11AC40MIMO\_Ant1\_5270





## 1.194 11AC40MIMO\_Ant2\_5270





## 1.195 11AC40MIMO\_Ant1\_5310





## 1.196 11AC40MIMO\_Ant2\_5310





## 1.197 11AC40MIMO\_Ant1\_5510





## 1.198 11AC40MIMO\_Ant2\_5510





## 1.199 11AC40MIMO\_Ant1\_5550





## 1.200 11AC40MIMO\_Ant2\_5550





## 1.201 11AC40MIMO\_Ant1\_5670





## 1.202 11AC40MIMO\_Ant2\_5670





## 1.203 11AC40MIMO\_Ant1\_5755





## 1.204 11AC40MIMO\_Ant2\_5755





## 1.205 11AC40MIMO\_Ant1\_5795





## 1.206 11AC40MIMO\_Ant2\_5795





## 1.207 11AC80MIMO\_Ant1\_5210





## 1.208 11AC80MIMO\_Ant2\_5210





## 1.209 11AC80MIMO\_Ant1\_5290





## 1.210 11AC80MIMO\_Ant2\_5290





## 1.211 11AC80MIMO\_Ant1\_5530





## 1.212 11AC80MIMO\_Ant2\_5530





## 1.213 11AC80MIMO\_Ant1\_5610





## 1.214 11AC80MIMO\_Ant2\_5610





## 1.215 11AC80MIMO\_Ant1\_5775





## 1.216 11AC80MIMO\_Ant2\_5775





## 1.217 11AC160MIMO\_Ant1\_5250





## 1.218 11AC160MIMO\_Ant2\_5250





## 1.219 11AC160MIMO\_Ant1\_5570





## 1.220 11AC160MIMO\_Ant2\_5570





# Appendix F: Frequencies Stability

## Part I - Frequency Error vs. Voltage:

| Voltage  |         |         |                  |                         |                   |                    |                |         |
|----------|---------|---------|------------------|-------------------------|-------------------|--------------------|----------------|---------|
| TestMode | Antenna | Channel | Voltage<br>[Vdc] | Temper<br>ature<br>(°C) | Deviation<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
| 11A      | Ant1    | 5180    | NV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          |         |         | LV               | NT                      | 20000             | 3.861004           | 20             | PASS    |
|          |         |         | HV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          | Ant2    | 5180    | NV               | NT                      | 20000             | 3.861004           | 20             | PASS    |
|          |         |         | LV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          |         |         | HV               | NT                      | 20000             | 3.861004           | 20             | PASS    |
|          | Ant1    | 5825    | NV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          |         |         | LV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          |         |         | HV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          | Ant2    | 5825    | NV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          |         |         | LV               | NT                      | 0                 | 0                  | 20             | PASS    |
|          |         |         | HV               | NT                      | 0                 | 0                  | 20             | PASS    |

**Part II - Frequency Error vs. Temperature:**

| Temperature |         |         |                  |                     |                   |                    |                |         |
|-------------|---------|---------|------------------|---------------------|-------------------|--------------------|----------------|---------|
| TestMode    | Antenna | Channel | Voltage<br>[Vdc] | Temperature<br>(°C) | Deviation<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
| 11A         | Ant1    | 5180    | NV               | -30                 | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | -20                 | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | -10                 | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 0                   | 20000             | 3.861004           | 20             | PASS    |
|             |         |         | NV               | 10                  | 20000             | 3.861004           | 20             | PASS    |
|             |         |         | NV               | 20                  | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 30                  | -20000            | -3.861004          | 20             | PASS    |
|             |         |         | NV               | 40                  | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 50                  | 20000             | 3.861004           | 20             | PASS    |
|             | Ant2    | 5180    | NV               | -30                 | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | -20                 | 20000             | 3.861004           | 20             | PASS    |
|             |         |         | NV               | -10                 | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 0                   | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 10                  | -20000            | -3.861004          | 20             | PASS    |
|             |         |         | NV               | 20                  | 20000             | 3.861004           | 20             | PASS    |
|             |         |         | NV               | 30                  | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 40                  | 0                 | 0                  | 20             | PASS    |
|             |         |         | NV               | 50                  | 0                 | 0                  | 20             | PASS    |
|             | Ant1    | 5825    | NV               | -20000              | -3.433476         | -20000             | 20             | PASS    |



|  |      |      |    |        |           |           |    |      |
|--|------|------|----|--------|-----------|-----------|----|------|
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  |      |      | NV | -20000 | -3.433476 | -20000    | 20 | PASS |
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  |      |      | NV | -20000 | -3.433476 | -20000    | 20 | PASS |
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  | Ant2 | 5825 | NV | -30    | 0         | 0         | 20 | PASS |
|  |      |      | NV | -20    | -20000    | -3.433476 | 20 | PASS |
|  |      |      | NV | -10    | 0         | 0         | 20 | PASS |
|  |      |      | NV | 0      | 0         | 0         | 20 | PASS |
|  |      |      | NV | 10     | 0         | 0         | 20 | PASS |
|  |      |      | NV | 20     | 0         | 0         | 20 | PASS |
|  |      |      | NV | 30     | 0         | 0         | 20 | PASS |
|  |      |      | NV | 40     | 0         | 0         | 20 | PASS |
|  |      |      | NV | 50     | 0         | 0         | 20 | PASS |
|  |      |      |    |        |           |           |    |      |

-----The End-----