

Tabelle1

| Max. Speed | Voltage          | Clock Latency | Comment  |
|------------|------------------|---------------|--|
| 1GHz       | 1,06             | 100000        | Boots without any issues. Only 1GHz supported, so no OPP change.   |
| 1GHz       | 1,06             | 500000        | Boots without any issues. Only 1GHz supported, so no OPP change.   |
| 1GHz       | 1,25             | 300000        | Boots without any issues. Only 1GHz supported, so no OPP change.   |
| 1,25GHz    | 1,06             | 300000        | Freezes 10 out of 10 times after 4 – 6 seconds.  |
| 1,25GHz    | 1,25             | 100000        | Freezes 10 out of 10 times after 4 – 6 seconds.  |
| 1,25GHz    | 1,25             | 500000        | Freezes 10 out of 10 times after 4 – 6 seconds.  |
| 1,25GHz    | 1,35             | 300000        | Freezes 10 out of 10 times after 4 – 6 seconds.  |
| 1,25GHz    | 1,45             | 300000        | Freezes 10 out of 10 times after 4 – 6 seconds.  |
| 1,5GHz     | 1,06             | 300000        | Not tested (as 1,25 Ghz didn't even work)  |
| 1,5GHz     | 1,25             | 100000        | Not tested (as 1,25 Ghz didn't even work)  |
| 1,5GHz     | 1,25             | 500000        | Not tested (as 1,25 Ghz didn't even work)  |
| 1,5GHz     | 1,35             | 300000        | Not tested (as 1,25 Ghz didn't even work)  |
| 1GHz       | 0,85             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,05GHz    | 1,06             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,05GHz    | 1,25             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,1GHz     | 1,06             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,1GHz     | 1,25             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,15GHz    | 1,06             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,15GHz    | 1,25             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,16GHz    | 1,06             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,17GHz    | 1,06             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,18GHz    | 1,06             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,19GHz    | 1,06             | 300000        | Crashes every second time. If it boots, it even survives the high-load-test.   |
| 1,2GHz     | 1,06             | 300000        | Freezes 10 out of 10 times after a while (usually after 10 – 30 seconds)   |
| 1,2GHz     | 1,25             | 300000        | A bit better than with 1,06V, sometimes doesn't freeze but shows different errors (for example .571244] omap_i2c 4807c000.i2c: controller timed out) |
| 1,15GHz    | 0,75             | 300000        | Boots without any issues, even running at least 1 minute of high-load (didn't test longer)   |
| 1,19999GHz | 1,06             | 300000        | Freezes 10 out of 10 times after a while (usually after 10 – 30 seconds)   |
| 1,25GHz    | Multi (max 1,25) | 300000        | Boots without any issues, even running at least 3 minutes of high-load (didn't test longer)  |
| 1,35GHz    | Multi (max 1,25) | 300000        | Boots most of the times without any issues, but freezes after a bit of high-load   |
| 1,35GHz    | Multi (max 1,35) | 300000        | Freezes during boot.   |
| 1,30GHz    | Multi (max 1,29) | 300000        | Boots most of the times without any issues, but freezes after a bit of high-load   |

Kernel used on all tests: Linux letux 4.8.0-rc1-letux+  
CPU Board used which has the SMPS3 trace connected