# Template:Networking rutx50 manual power consumption table

| Test type | Current (mA) | Power consumption (W) |
|---|---|---|
| Idle, no SIM card inserted (9 V) | **359** | **3.23** |
| Idle, no SIM card inserted (12 V) | **268** | **3.21** |
| Idle, no SIM card inserted (24 V) | **138** | **3.33** |

| Test type | Current (mA) | Power consumption (W) |
|---|---|---|
| Idle + mobile data on [1] (9 V) | **371** | **3.34** |
| Idle + mobile data on [1] (12 V) | **271** | **3.26** |
| Idle + mobile data on [1] (24 V) | **140** | **3.36** |

| Test type | Current (mA) | Power consumption (W) |
|---|---|---|
| Mobile data on [1] + 1 LAN device connected [2] (9 V) | **394** | **3.55** |
| Mobile data on [1] + 1 LAN device connected [2] (12 V) | **294** | **3.52** |
| Mobile data on [1] + 1 LAN device connected [2] (24 V) | **151** | **3.62** |

| Test type | Current (mA) | Power consumption (W) |
|---|---|---|
| Max speed 5G (NSA) transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] (9 V) | **1405** | **12.65** |
| Max speed 5G (NSA) transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] (12 V) | **940** | **11.28** |
| Max speed 5G (NSA) transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] (24 V) | **484** | **11.62** |

[1] - Only mobile data connection established with no additional traffic.
[2] - Data streams between RUTX50 and other connected LAN devices created using iPerf.
[3] - Load created using *md5sum* (calculation and verification of 128-bit MD5 hashes).
[4] - USB device with ~ 300 mA current draw.
Power consumption may differ due to mobile data transmission speed, testing environment and conditions.