

# Template:Networking trb500 faq power consumption table

| Test type                         | Current (mA) | Power consumption (W) |
|-----------------------------------|--------------|-----------------------|
| Idle, no SIM card inserted (9 V)  | 62           | 0.56                  |
| Idle, no SIM card inserted (12 V) | 46           | 0.55                  |
| Idle, no SIM card inserted (24 V) | 24           | 0.58                  |

| Test type                                 | Current (mA) | Power consumption (W) |
|---|--------------|-----------------------|
| Idle + mobile data on <sup>1</sup> (9 V)  | 91           | 0.82                  |
| Idle + mobile data on <sup>1</sup> (12 V) | 65           | 0.78                  |
| Idle + mobile data on <sup>1</sup> (24 V) | 33           | 0.79                  |

| Test type  | Current (mA) | Power consumption (W) |
|--|--------------|-----------------------|
| Mobile data on <sup>1</sup> + 1 LAN device connected <sup>2</sup> (9 V)  | 172          | 1.55                  |
| Mobile data on <sup>1</sup> + 1 LAN device connected <sup>2</sup> (12 V) | 131          | 1.57                  |
| Mobile data on <sup>1</sup> + 1 LAN device connected <sup>2</sup> (24 V) | 68           | 1.63                  |

| Test type   | Current (mA) | Power consumption (W) |
|---|--------------|-----------------------|
| Max speed 5G (NSA) transmission + 1 LAN device connected <sup>2</sup> + high CPU load <sup>3</sup> (9V)   | 482          | 4.34                  |
| Max speed 5G (NSA) transmission + 1 LAN device connected <sup>2</sup> + high CPU load <sup>3</sup> (12 V) | 388          | 4.66                  |
| Max speed 5G (NSA) transmission + 1 LAN device connected <sup>2</sup> + high CPU load <sup>3</sup> (24 V) | 198          | 4.75                  |

<sup>1</sup> - Only mobile data connection established with no additional traffic.

<sup>2</sup> - Data streams between TRB500 and other connected LAN devices created using iPerf.

<sup>3</sup> - Load created using *md5sum* (calculation and verification of 128-bit MD5 hashes).

Power consumption may differ due to mobile data transmission speed, testing environment and conditions.