TRB145 Power Consumption

TRB145 power consumption values in different states of operation are represented in the table(s) below:

Test type	Current (mA)	Power consumption (W)
Idle, no SIM card inserted (9 V)	**30**	**0.27**
Idle, no SIM card inserted (12 V)	**21**	**0.25**
Idle, no SIM card inserted (24 V)	**13**	**0.31**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**46**	**0.41**
Idle + mobile data on [1] (12 V)	**35**	**0.42**
Idle + mobile data on [1] (24 V)	**19**	**0.46**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**55**	**0.49**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**42**	**0.50**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**29**	**0.69**

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + device connected to RS485 (9 V)	**381**	**3.42**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + device connected to RS485 (12 V)	**281**	**3.37**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + device connected to RS485 (24 V)	**142**	**3.40**

[1] - Only mobile data connection established with no additional traffic.
[2] - Data streams between TRB145 and other connected LAN devices created using iPerf.
[3] - 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.