TRB246 Power Consumption

TRB246 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)	**117**	**1.053**
Idle, no SIM card inserted (12 V)	**89**	**1.068**
Idle, no SIM card inserted (24 V)	**46**	**1.104**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**128**	**1.152**
Idle + mobile data on [1] (12 V)	**97**	**1.164**
Idle + mobile data on [1] (24 V)	**49**	**1.176**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**193**	**1.737**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**144**	**1.728**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**74**	**1.776**

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + GPS on + all outputs enabled on I/O panel (9 V)	**358**	**3.222**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + GPS on + all outputs enabled on I/O panel (12 V)	**253**	**3.036**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + GPS on + all outputs enabled on I/O panel (24 V)	**136**	**3.264**

[1] - Only mobile data connection established with no additional traffic.
[2] - Data streams between TRB246 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.