TRB140 Power Consumption

TRB140 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)	**37**	**0.33**
Idle, no SIM card inserted (12 V)	**30**	**0.36**
Idle, no SIM card inserted (24 V)	**19**	**0.46**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**48**	**0.43**
Idle + mobile data on [1] (12 V)	**36**	**0.44**
Idle + mobile data on [1] (24 V)	**20**	**0.48**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**73**	**0.66**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**56**	**0.67**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**31**	**0.74**

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] (9V)	**310**	**2.79**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] (12 V)	**250**	**3.00**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] (24 V)	**135**	**3.24**

[1] - Only mobile data connection established with no additional traffic.
[2] - Data streams between TRB140 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.