TRB143 Power Consumption

TRB143 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)	**94**	**0.85**
Idle, no SIM card inserted (12 V)	**97**	**1.16**
Idle, no SIM card inserted (24 V)	**68**	**1.63**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**99**	**0.89**
Idle + mobile data on [1] (12 V)	**112**	**1.34**
Idle + mobile data on [1] (24 V)	**74**	**1.78**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**152**	**1.37**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**135**	**1.62**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**103**	**2.47**

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + 6 M-Bus temperature and humidity sensors connected (with Data to Server enabled) (9V)	**551**	**4.96**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + 6 M-Bus temperature and humidity sensors connected (with Data to Server enabled) (12 V)	**445**	**5.34**
Max speed LTE transmission + 1 LAN device connected [2] + high CPU load [3] + 6 M-Bus temperature and humidity sensors connected (with Data to Server enabled) (24 V)	**289**	**6.97**

[1] - Only mobile data connection established with no additional traffic.
[2] - Data streams between TRB143 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.