



Engenius High-Power Module - Porting Notice

Due to the driver restrictions for TX power control of the Atheros-based RF module, the Engenius high-power cards have been programmed with the power offset values which make the driver detect the card is transmitting in a lower power level than it actually does.

The offset table below shows the correspondent data between the programmed power levels by default and the true output power levels. Please note that when you read the TX power from driver, the value will not correspond to the actual output power because it is definitely lower than the true power from the radio. It is really important to know this before porting the Engenius high-power cards to your platform.

It is not recommended to reset the default power levels to the actual ones. Since the power levels and offset values have been calibrated during production, changing values may result in driver conflicts and system crashes.

RF Module	Default power level	Offset	Actual Max. output power
EMP-8602 PLUS-S			
11a	18 dBm	5 dB	23 dBm
11b/g	19 dBm	9 dB	28 dBm
EMP-8602/8601 PLUS			
11b/g	19.5 dBm	6 dB	25.5 dBm
EMP-3602/3601 (FCC)			
11b/g	19 dBm	4 dB	23 dBm

Table: Power Offset table