Name : Power Measurement

Function : Lora-module RA0.1 Test Process

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Software required : AAEON_2_PowerMeasurement.Hex

Hardware required : AAEON Lora Moudule,Multimeter

Test to be done :Power consumption in Receive mode,Stop mode,Transmitter Lora frames.

Version	Date	Description
1.0	20-11-17	Creation

At 3.3V condition

Step	Actions	Comments	Conditions	Measure
1	Reset/or Step7	1-Led Blue flash one time.to indicate that step 1 begins . 2- -Led Green On for 2s to indicate the that the module will send frames for 10 s -Led Red On for 2s to indicate end of transmission and entry in stop mode for 50s. and so on.	Tx =20dBm Stop Mode*	51mA 2.3mA
2	- Push B1 or B2	1-Led Blue flash 2 times.to indicate that step 2 begins . 2- -Led Green On for 2s to indicate the that the module will send frames for 10 s. -Led Red On for 2s to indicate end of transmission and entry in stop mode for 50s. and so on.	Tx =14dBm Stop Mode*	50.6mA 2.3mA
3	- Push B1 or B2	1-Led Blue flash 3 times.to indicate that step 3 begins . 2- -Led Green On for 2s to indicate the that the module will send frames for 10 s -Led Red On for 2s to indicate end of transmission and entry in stop mode for 50s. and so on.	Tx =11dBm Stop Mode*	44mA 2.3mA
4	- Push B1 or B2	1-Led Blue flash 4 times.to indicate that step 4 begins . 2- The module in Receive mode	BW=125kHz	22mA
5	- Push B1 or B2	1-Led Blue flash 5 times.to indicate that step 5 begins . 2-The module in Receive mode	BW=250kHz	22.6mA
6	Push B1 or B2	1-Led Blue flash 5 times.to indicate that step 5 begins . 2-The module in Receive mode	BW=250kHz	
7	Push B1 or B2	Return to Step1		

(*) The Stop mode conditions is the same for the step1,2,3.