Name : Power Measurement

Function : Lora-module RA0.1 Test Process

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Software required : AAEON_SleepMode.hex, AAEON_SotpMode.hex, AAEON_StandbyMode.hex

Hardware required : AAEON Lora Moudule,Multimeter/Milti-Bench

Test to be done :Power consumption in Sleep mode,Stop mode,Standby Mode,Transmitter Mode.

Version	Date	Description
2.0	28-11-17	Add :SleepMode, StandbyMode. Update : Tx =20dBm.

1- Flash AAEON Board with AAEON_SleepMode.hex and Push the Reset Boutton.

Comments	Conditions	Measure
1-Led Blue flash one time. :AAEON_SleepMode run . 2- The module entry in Sleep Mode for 30s. 3- -Led Green On for 1s to indicate the that the module will Continues Lora Tx for 10 s -Led Red On for 1s to indicate end of transmission and entry in Sleep Mode for 30s. and so on.	Tx =20dBm*	125mA
	Sleep Mode	5.7mA

2- Flash AAEON Board with AAEON_STopMode.hex and Push the Reset Boutton.

Comments	Conditions	Measure
1-Led Blue flash tow time :AAEON_StopMode run . 2- The module entry in Stop Mode for 30s. 3- -Led Green On for 1s to indicate the that the module will Continues Lora Tx for 10 s -Led Red On for 1s to indicate end of transmission and entry in Stop Mode for 30s. and so on..	Tx =14dBm	53mA
	Stop Mode	2.6mA

3- Flash AAEON Board with AAEON_STanbyMode.hex and Push the Reset Boutton.

Comments	Conditions	Measure
1-Led Blue flash 3 times. ; AAEON_StandbyMode run . 2- - Led Green On for 1s to indicate the that the module will Continues Lora Tx for 10 s -Led Red On for 1s to indicate end of transmission and entry in Standby Mode for 30s. and so on..	Tx =11dBm	47mA
	Standby Mode	2.6mA

(*) Real Measure :17.6dBm.