

Flash-IOT

Weekly Team Meeting 10/24

24 OCTOBER 2019 / 2:30 PM / ECE Conference Room

ATTENDEES

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AGENDA

- Transmitter circuit report
- LED collection showing
- Result from simulation

NOTES

- Transmitter circuit report:
 - BJT transmitter P2N2222A would work within the reverse protection diode parallel to decrease current continuous time while switching
- LED collection showing
 - Photodiode
 - BWP34 and TEMD5020 both can work at 3.3V, and values of dark current and wavelength sensitivity are similar. So, choosing either of them.
 - LED
 - High power LED may not doable, make sure it can be connected in the circuits and it is available online.
- Result from simulation
 - ADC
 - Check R7 and C3 should be connected to ground.
 - Check the current in feedback loop R6 and R8 to know it does work or not.
 - May attach a unit buffer to OPA2840.

ACTION ITEMS

1. Continuously studying and simulating the transmitter and receiver circuit by components involved by instructor.

(REV 1.0)

2. Figure out each part of function in circuit, calculating and specifying values if doable.
3. Preparing for the first round test.