

Weekly Team Meeting 10/18

18 OCTOBER 2019 / 2:30 PM / ISGC Conference Room

ATTENDEES

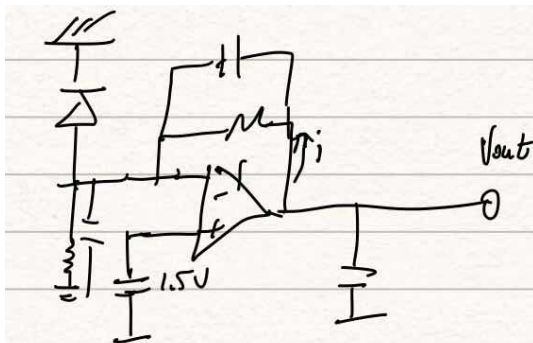
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AGENDA

- Finish Design Validation Plan
- Purchase request

NOTES

- Finish design validation plan
 - We can finish it after the meeting.
- Purchase request
 - We can buy the basic microcontroller first and decide the LED and PD later.
- Discuss the OOK
 - For the TIA problems
 - Try to use the forward bias of photodiode in circuit designing.
 - The circuit of the journal is not accurate. We need to figure out the output that we needed first, then calculating the value of resistor and reference voltage (if it is needed).
 - The dark current is in the datasheet of PD, it is useful for calculation.



- Discuss the transmitter:
 - We can use BJT or MOS transmitter
 - According to the frequency and respond time
- Discuss the encode

- We can use CRC code method to check the data transmitted is correct or not.
 - Depend on what size of package we want to use

ACTION ITEMS

1. Study more transmitter and discuss it next time.
2. Find the quality such as voltage drop maintain ability of battery that we may use.(I-V curve)
3. Study more about the encode and decode part of modulation.
4. Study more about LED and PD datasheet .