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The reason DC/DC alternative was chosen [Over LDO]



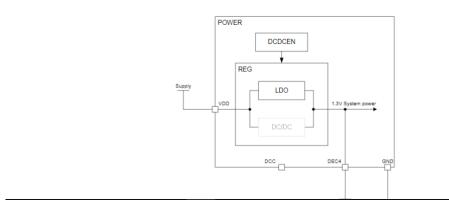
5.3.1 Regulators

The following internal power regulator alternatives are supported:

- Internal LDO regulator
- Internal DC/DC regulator

The LDO is the default regulator.

The DC/DC regulator can be used as an alternative to the LDO regulator and is enabled through the DCDCEN on page 59 register. Using the DC/DC regulator will reduce current consumption compared to when using the LDO regulator, but the DC/DC regulator requires an external LC filter to be connected, as shown in DC/DC regulator setup on page 49.



Input voltage

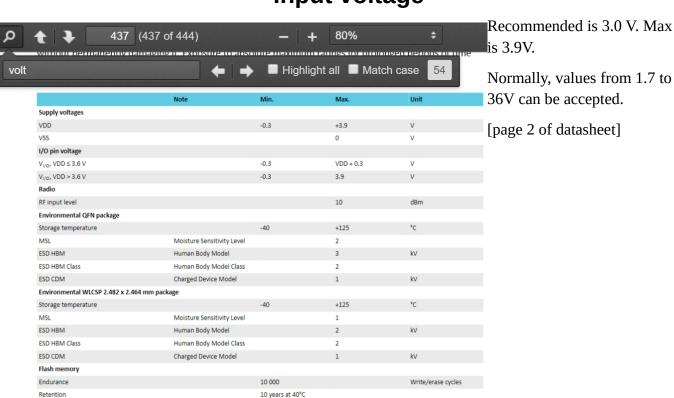


Table 135: Absolute maximum ratings

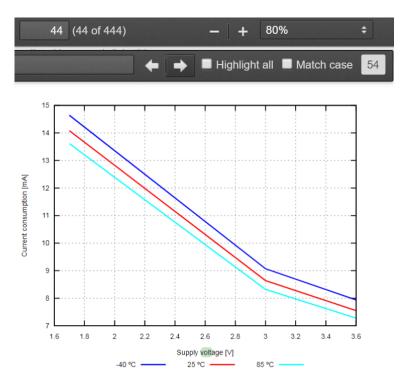
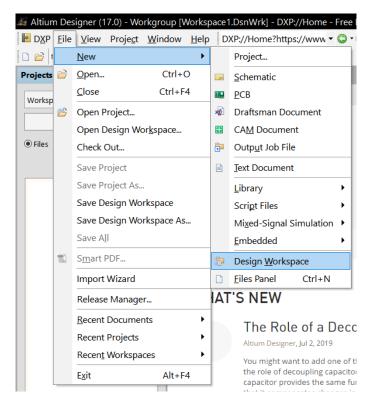
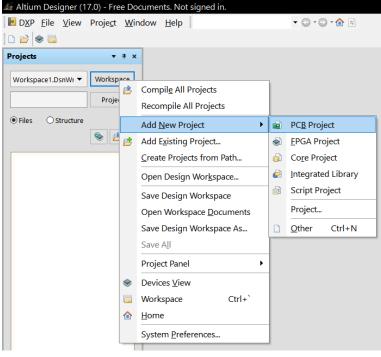


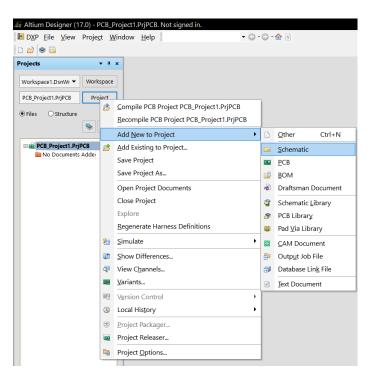
Figure 9: Radio transmitting @ 4 dBm output power, 1 Mbps Bluetooth low energy mode, Clock = HFXO, Regulator = DCDC (typical values)

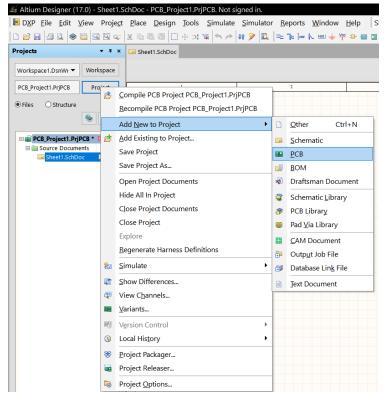
New project on Altium Designer

The process of using and learning the basics of Altium for the first time. [Learned from a youtube video tutorial]

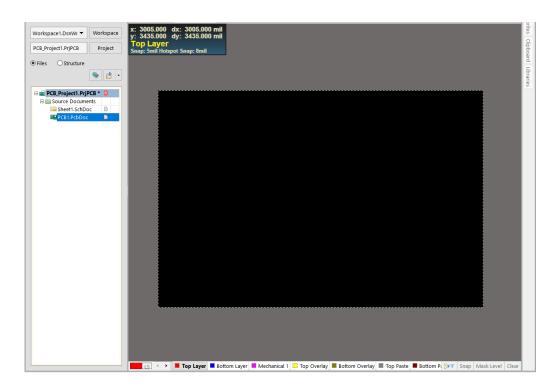




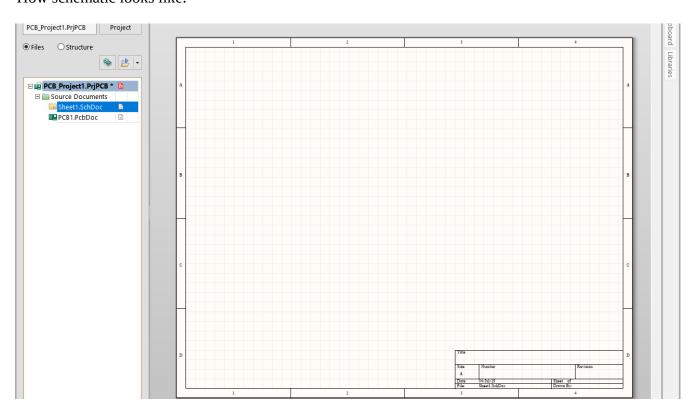




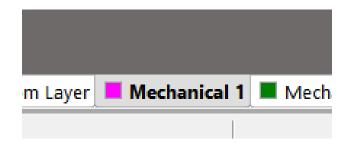
How pcb looks like:

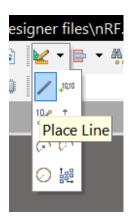


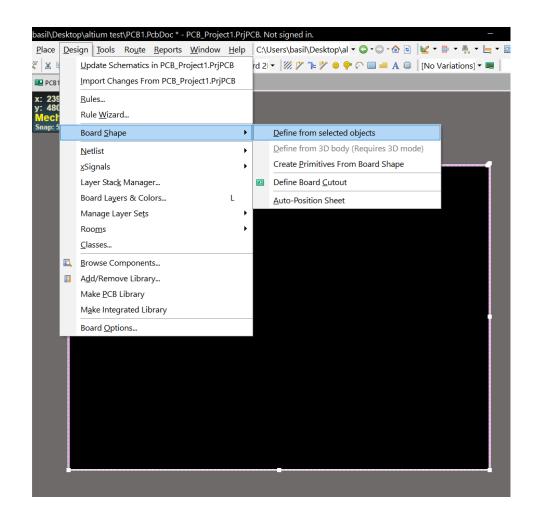
How schematic looks like:



Define pcb layout







From metric to imperial

