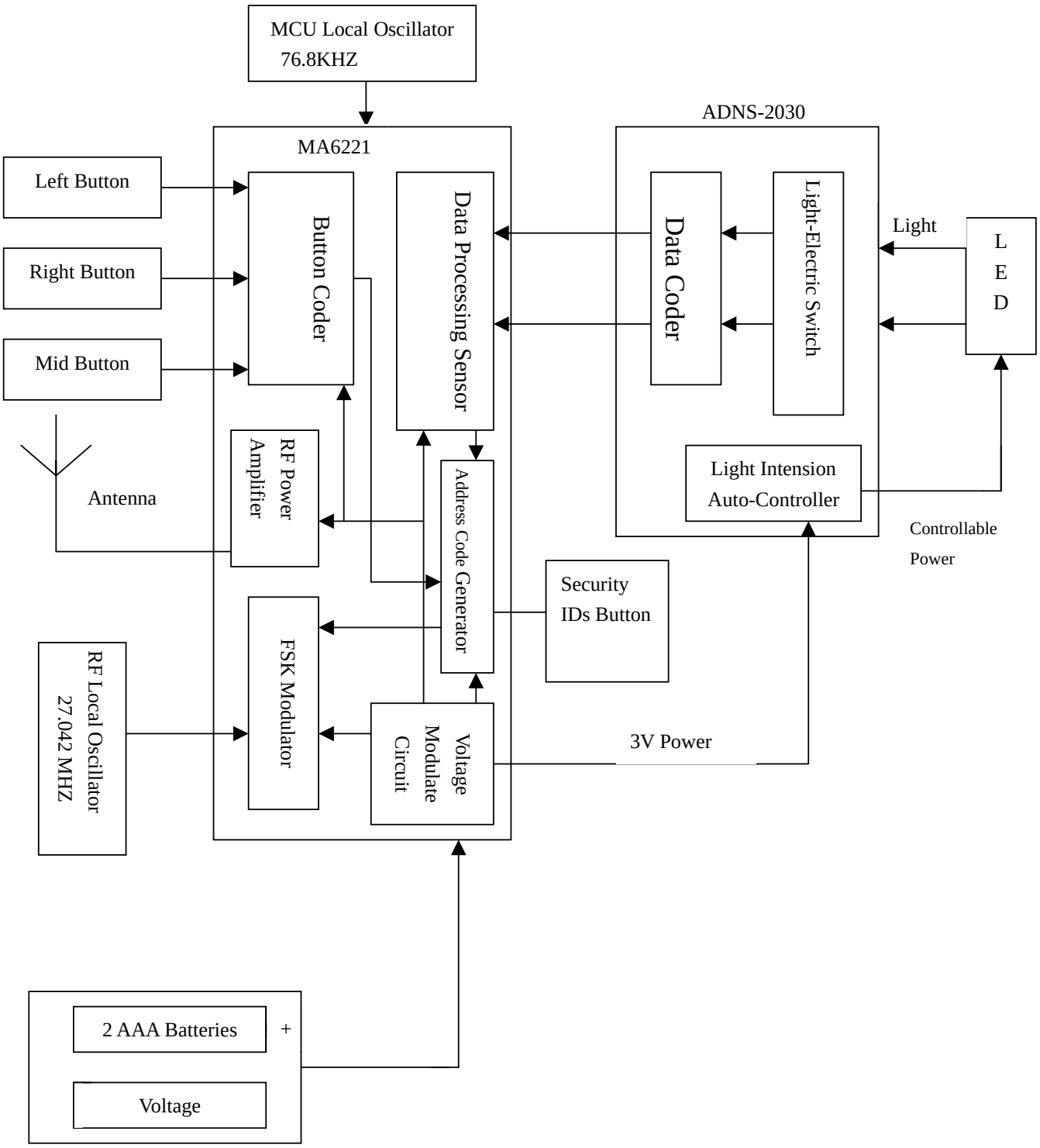SN-222 TX Block Diagram