**Spectrum Analyzers**

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**1. Introduction**

**The project aims to produce a functional spectrum analyzers that works on digital computers.**

**The result will be displayed on pc and with a hardware circuit that can be plugged in via**

**USB.**

**2. System component**

**1. Hardware circuit**

**2. Software**

**2.1 firmware**

**2.2 desktop application**

**3. Hardware**

**3.1 component**

**3.2 schematic**

**3.3 firmware**

**4. Application**

**4.1 feature**

**5.interface**

**5.1 surial(UART)**

**5.2 configuration**

**5.3 protocol**