sound/ Acoustic

integer -
mod/demod, and
transmitting as
sound

Workflow and Research topics

transmission

understanding how a walkie talkie works

device components

MICROWAVE

RF TECHNIQULES LIKE MOD/DEMOD

working

understanding how to enable image transmission using walkie talkie over RF

CONVERT SOUND TO IMAGE(done using pseudo hilbert curve)

network sniffing

layout

sending

circuitry

recieving

```
                    Transmitting
                    sound as data
                    packets
                                          ┌─────────────┐
                                          │   packet    │
                                          │   tracing   │
                                          └─────────────┘

┌──────────────────────┐   ┌──────────────┐   ┌──────────────────┐
│ making the waves non │   │ Securing the │   │   Encryption     │
│ detectable and almost│ ◄─│ comms protocol│─►│ techniques while │
│ noiseless to human ear│   │              │   │  sending data    │
└──────────────────────┘   └──────────────┘   └──────────────────┘

┌──────────────────────────────────────────────────┐
│ gather all the components and physcially make a   │
│ walkie talkie, using simul tools fro design       │
│ ckt(cadence) and packet transmission(packet       │
│ tracer)                                            │
└──────────────────────────────────────────────────┘

                                          ┌──────────────┐
                                          │ electrcial ckt│
                                          └──────────────┘

                                          ┌──────────────┐
                                          │ transmission │
                                          │     ckt      │
                                          └──────────────┘

                                          ┌──────────────┐
                                          │    screen    │
                                          │    display   │
                                          └──────────────┘
```