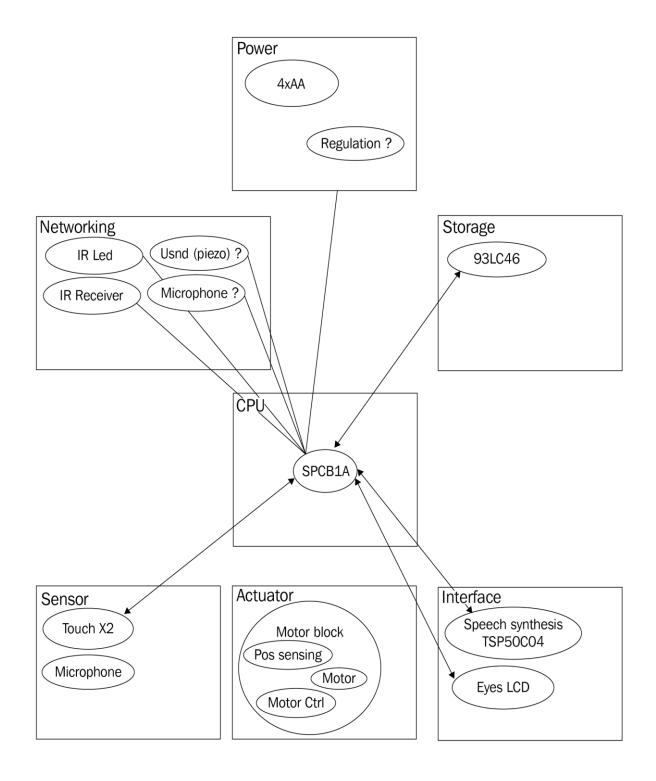
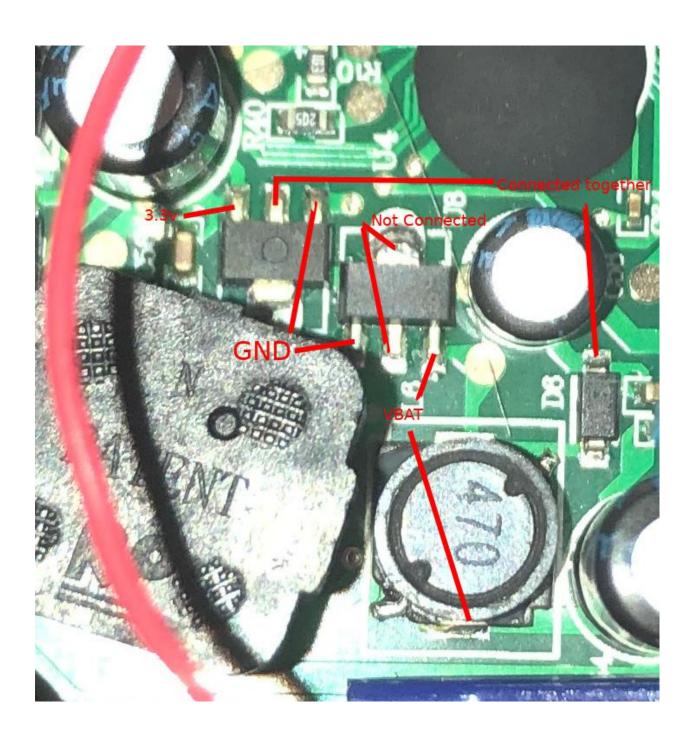
**Chapter 1: Setting Up Your Pentesting Lab and Ensuring Lab Safety.** 

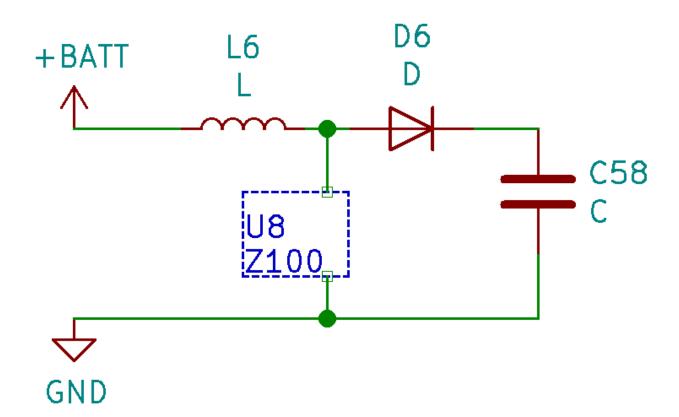
# **Chapter 2: Understanding Your Target.**

No Images.

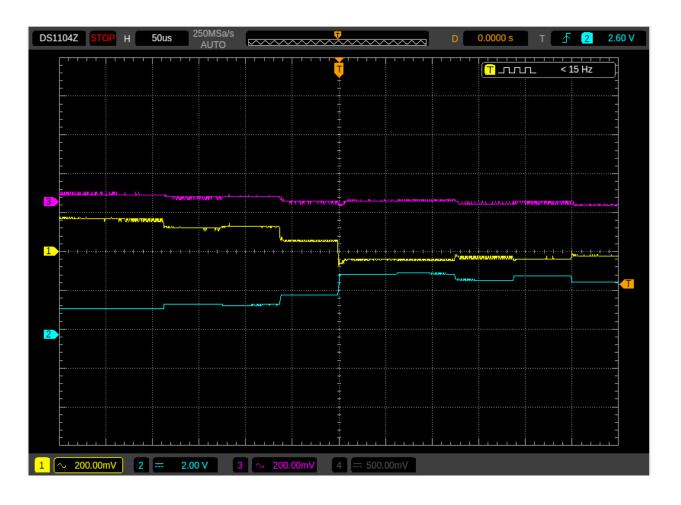
## **Chapter 3: Identifying the Components of Your Target.**



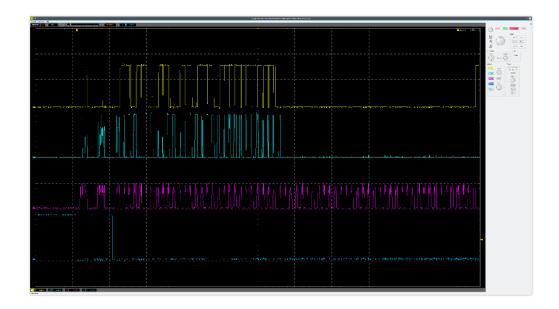


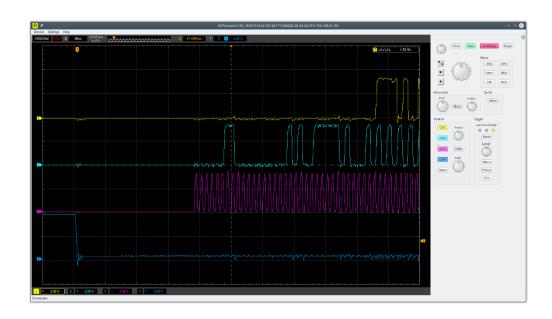




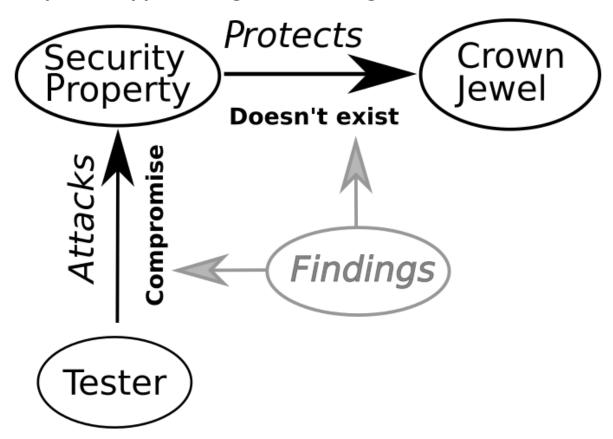






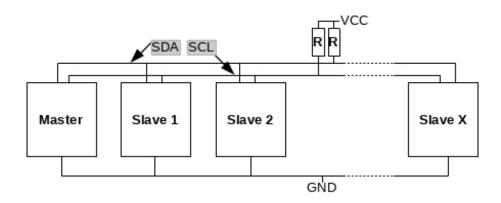


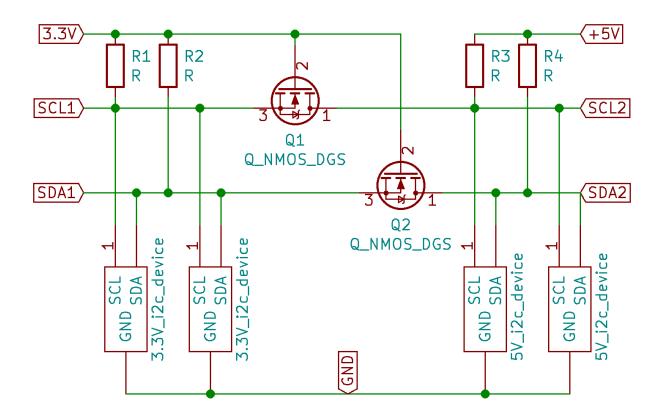
**Chapter 4: Approaching and Planning the Test.** 

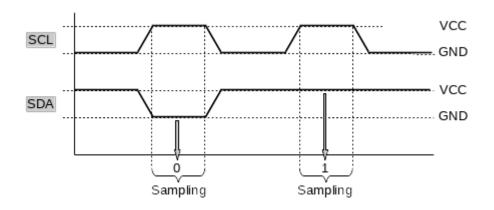


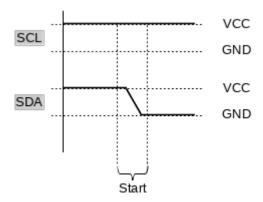
## **Chapter 5: Our Main Attack Platform.**

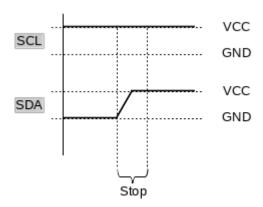
# **Chapter 6: Sniffing and Attacking the Most Common Protocols.**

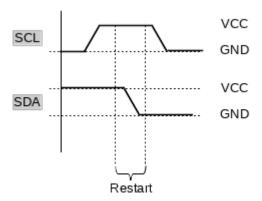


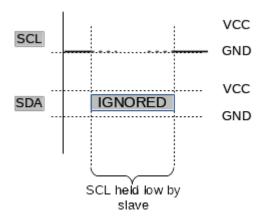


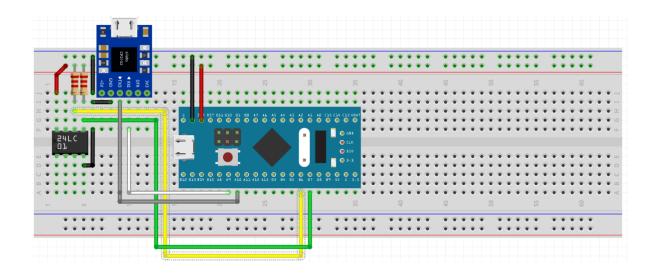


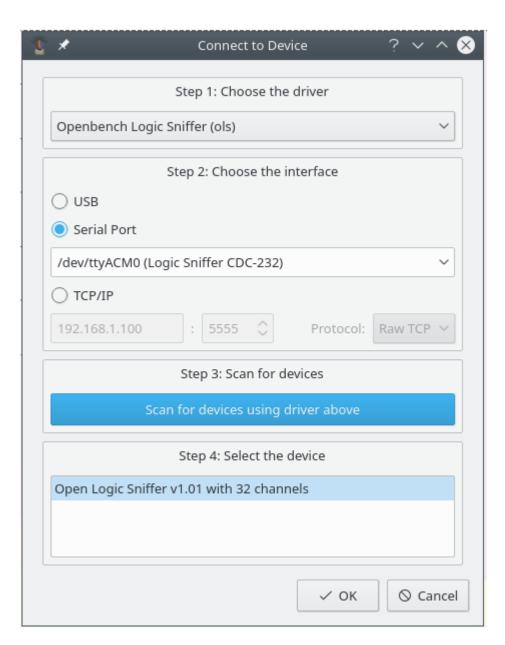




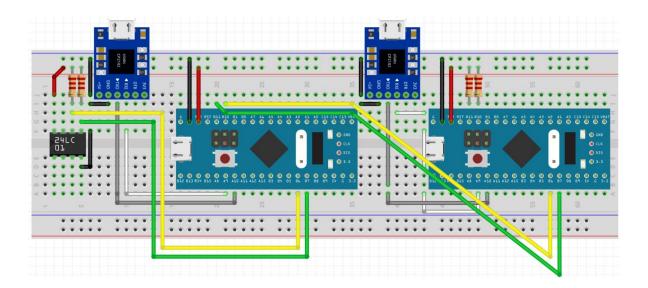


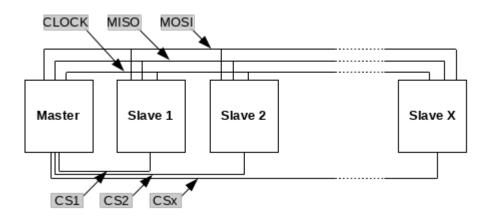


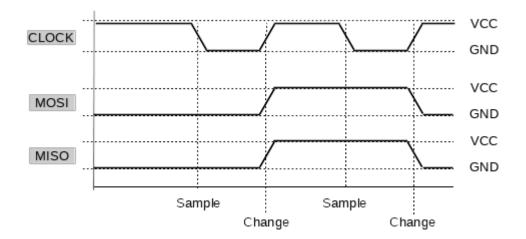


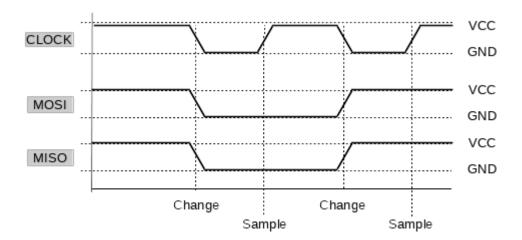


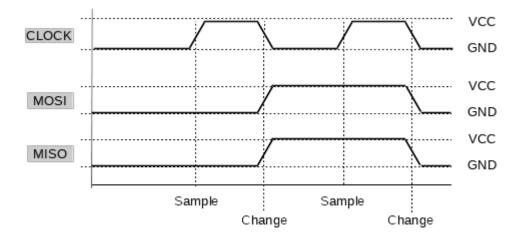


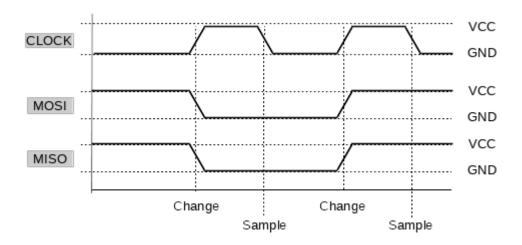


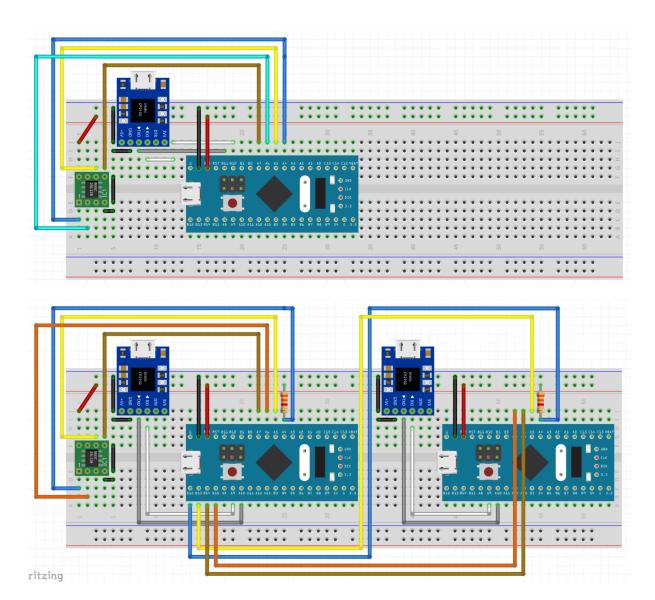


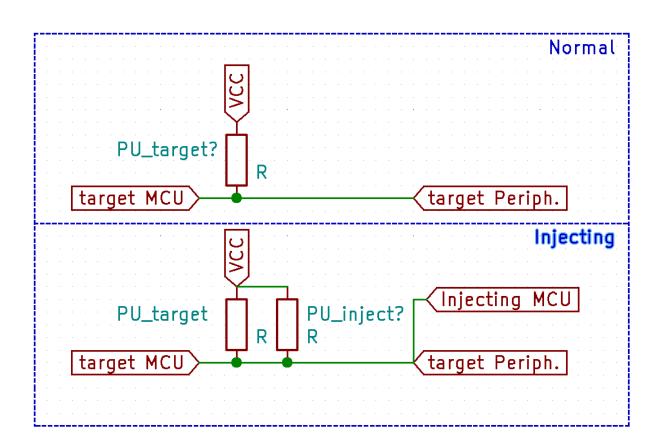


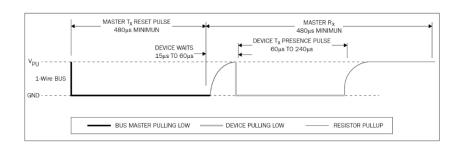


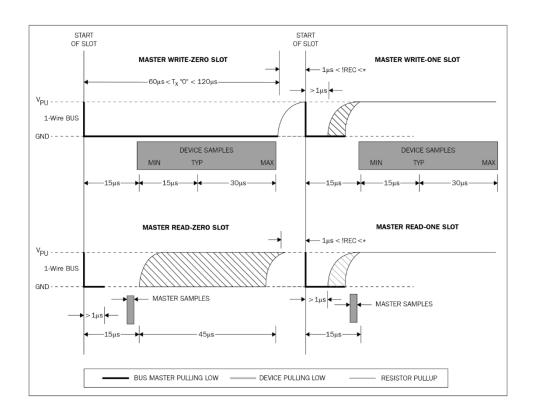


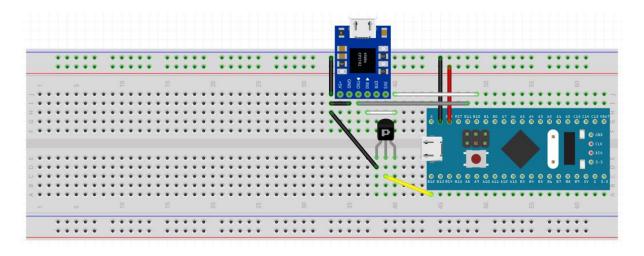


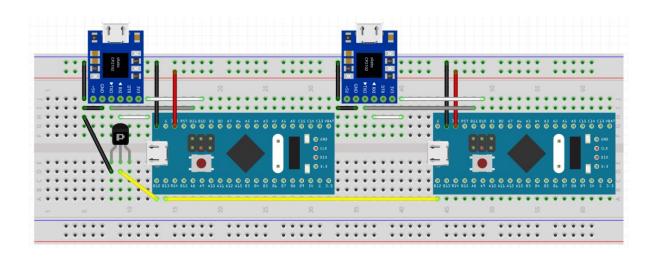


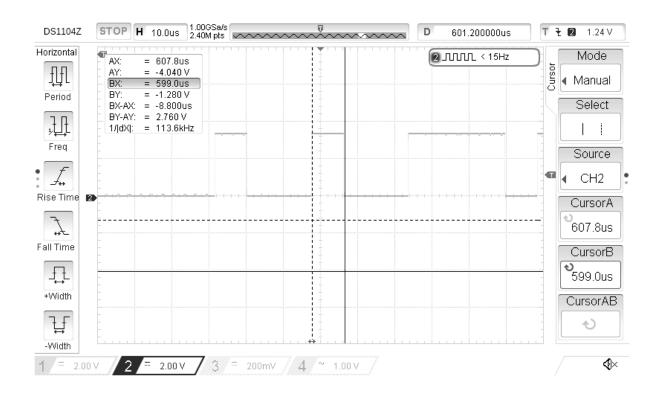




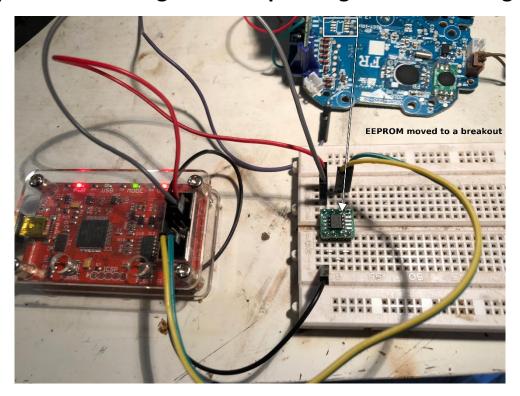


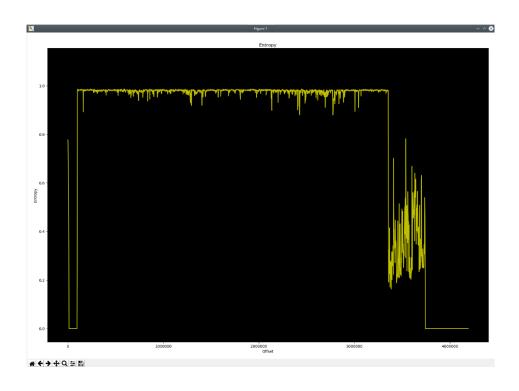






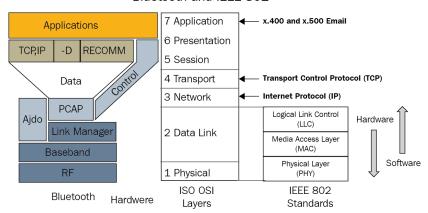
# **Chapter 7: Extracting and Manipulating Onboard Storage.**

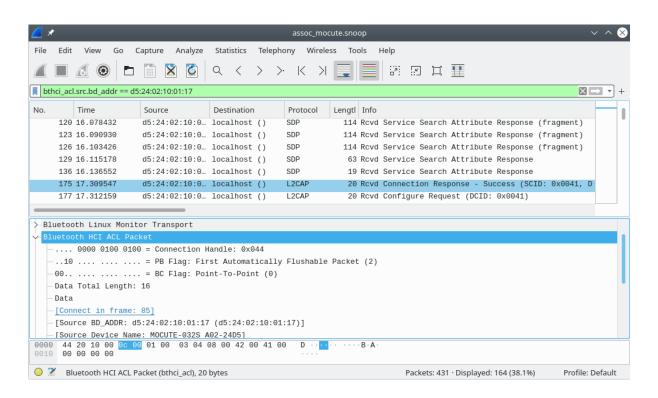




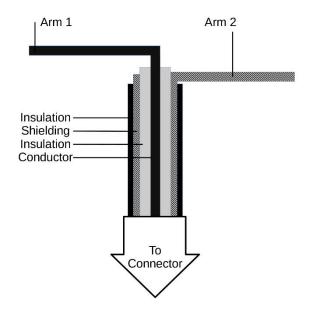
## Chapter 8: Attacking Wi-Fi, Bluetooth, and BLE.

#### Bluetooth and IEEE 802

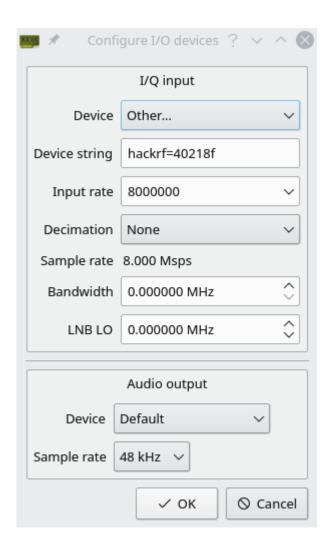


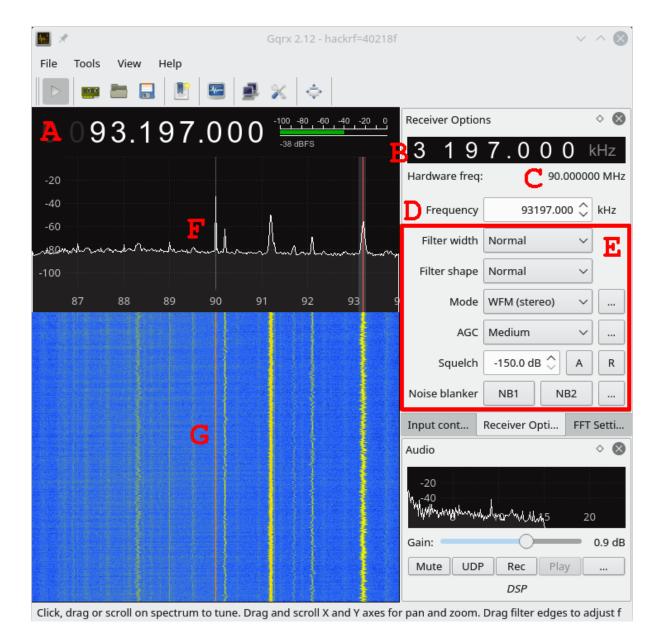


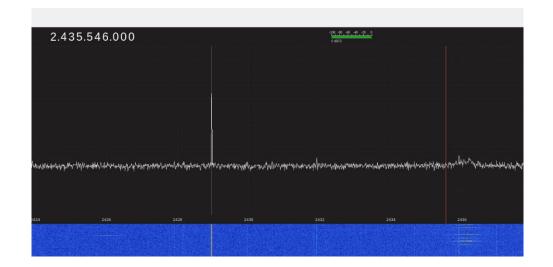
**Chapter 9: Software-Defined Radio Attacks.** 

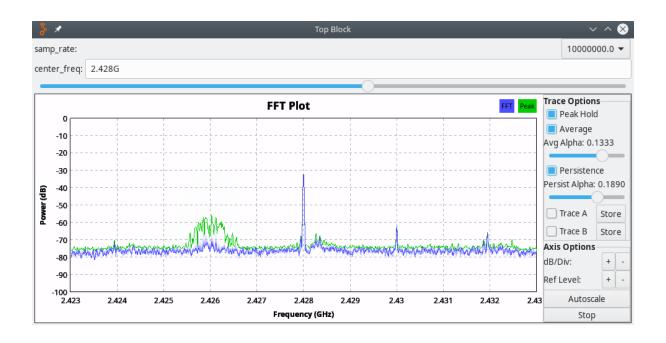


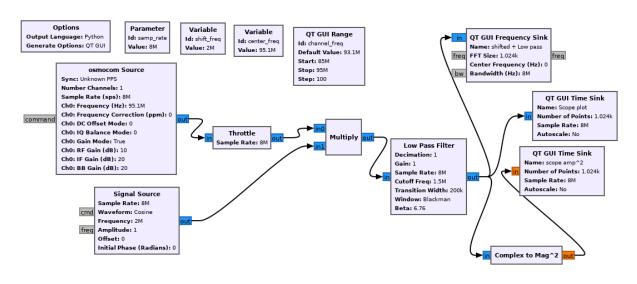


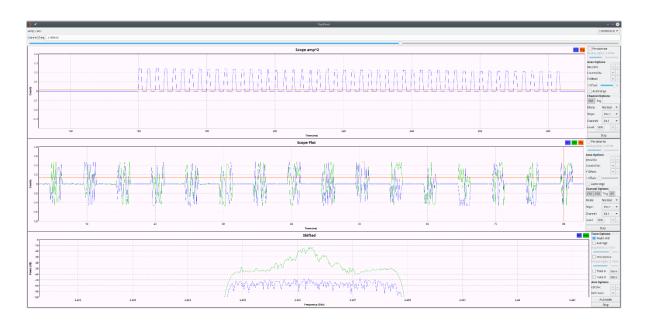


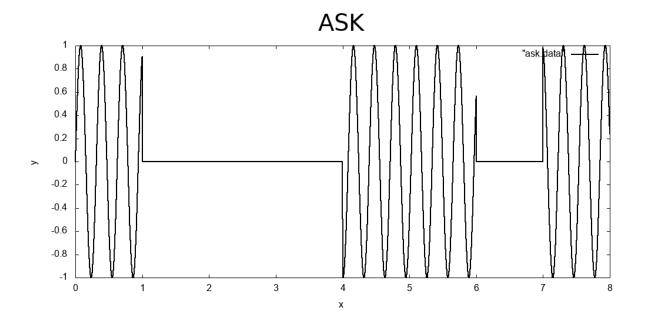


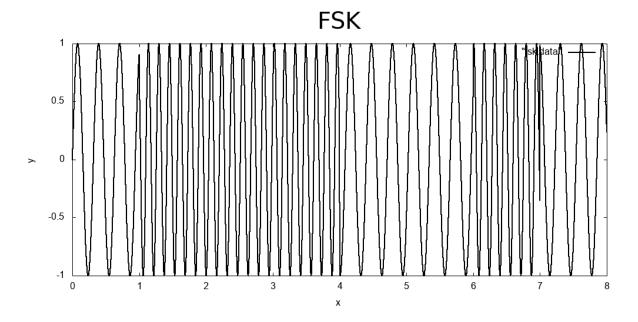


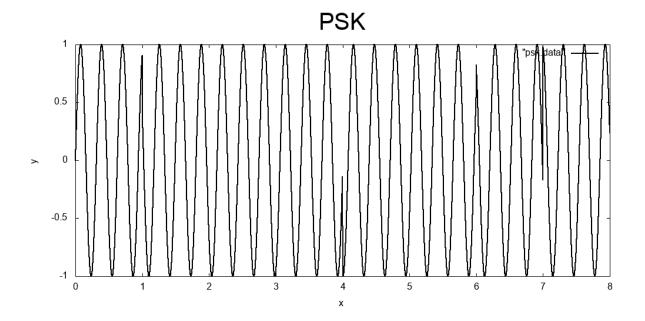


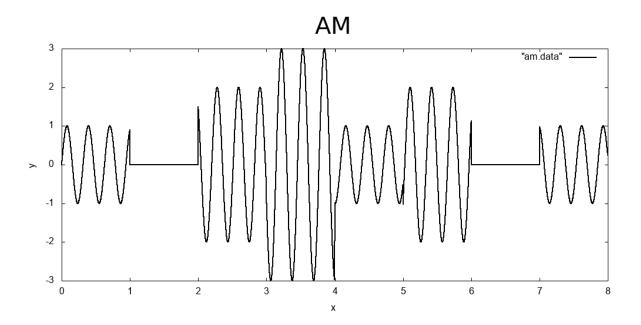


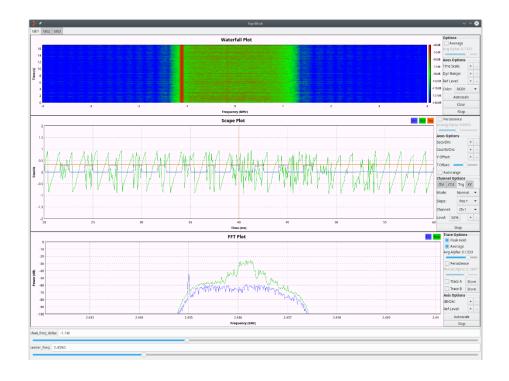


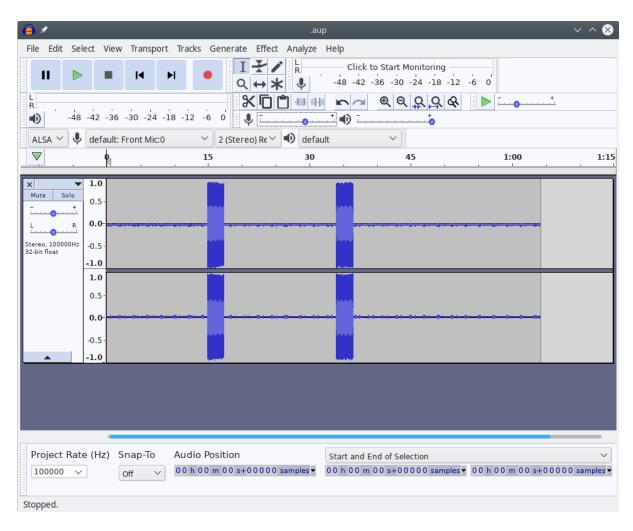


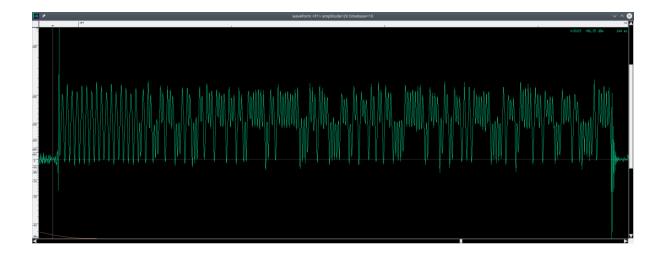


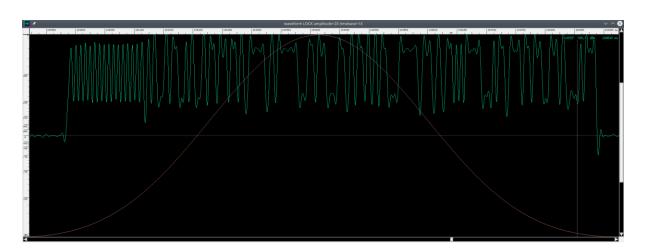




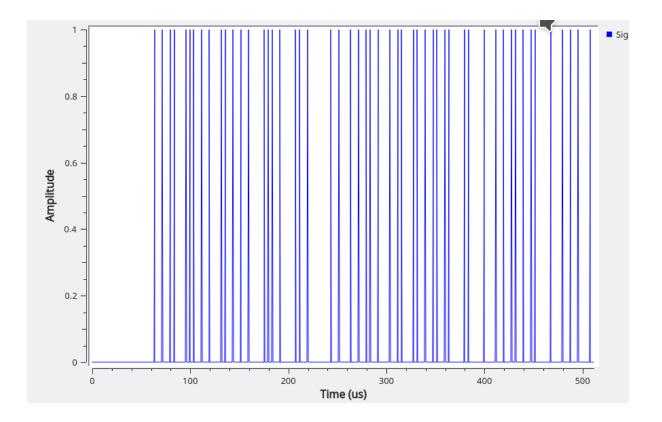




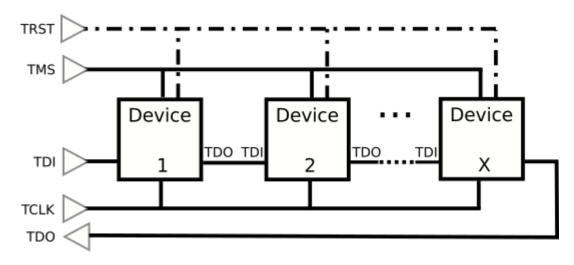


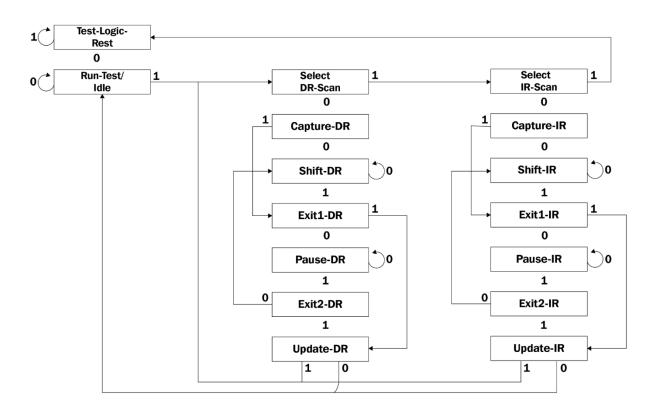


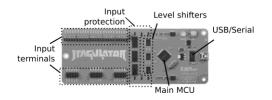


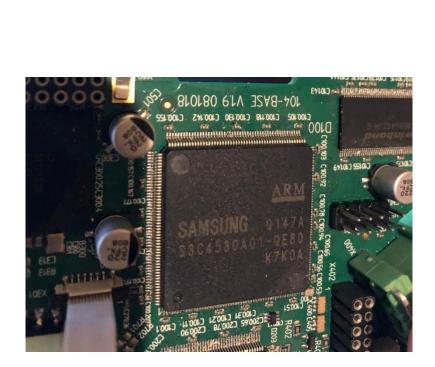


## **Chapter 10: Accessing the Debug Interfaces.**

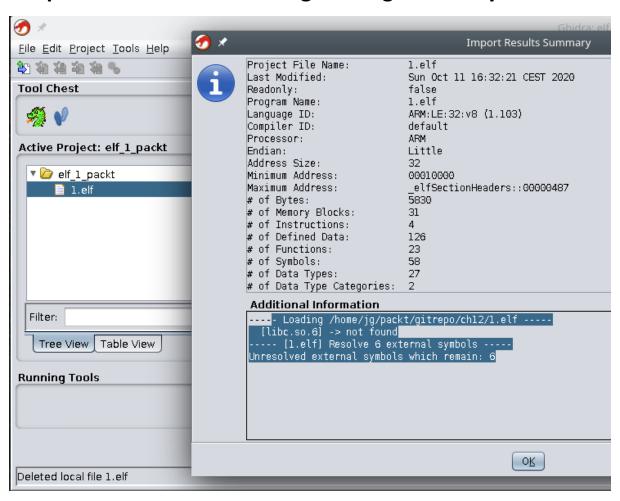


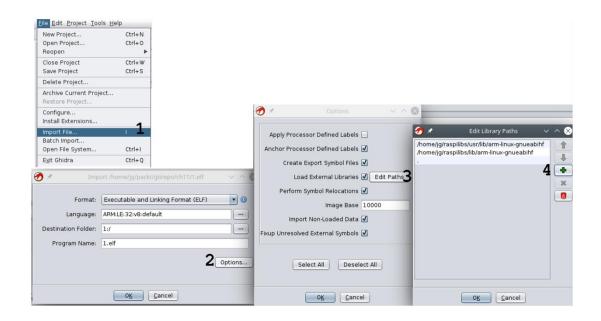




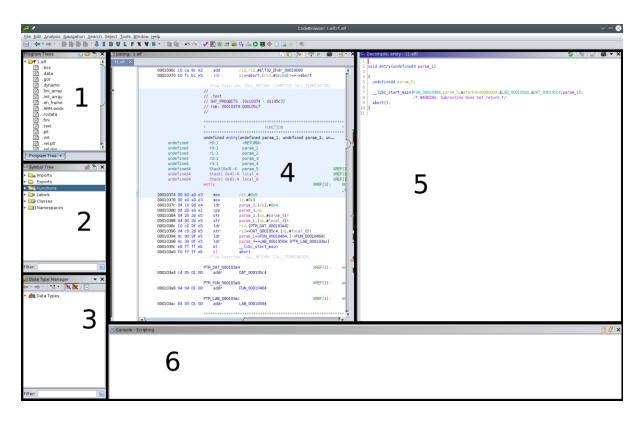


### **Chapter 11: Static Reverse Engineering and Analysis.**

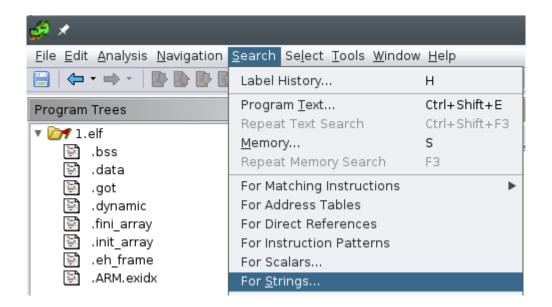


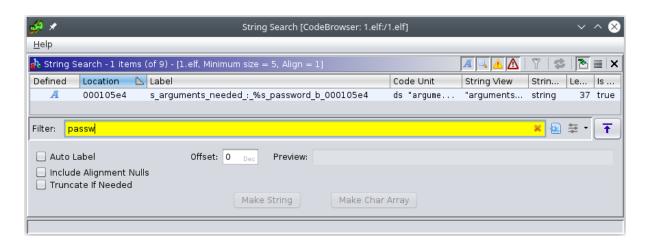






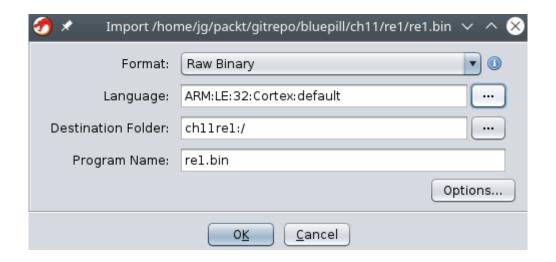
```
rl1,#0x0
00010374 00 b0 a0 e3
                           mov
00010378 00 e0 a0 e3
                                        lr,#0x0
                           mov
0001037c 04 10 9d e4
                           ldr
                                        param_2,[sp],#0x4
00010380 Od 20 a0 el
                                        param_3,sp
                           сру
00010384 04 20 2d e5
                                        param_3,[sp,#param_5]!
param_1,[sp,#local_4]!
                           str
00010388 04 00 2d e5
                           str
0001038c 10 c0 9f e5
                           ldr
                                        rl2, [PTR DAT 000103a4]
                                                                                              = 000105c4
00010390 04 c0 2d e5
                                        r12=>DAT_000105c4,[sp,#local_8]!
                                                                                              = 1Eh
                           str
                                      param_1=>FUN_00010464,[->FUN_00010464]
param_4=>LAB_00010564,[PTR_LAB_000103ac]
00010394 Oc 00 9f e5
                           ldr
                                                                                              = 00010464
00010398 Oc 30 9f e5
                                                                                              = 00010564
                           ldr
0001039c e8 ff ff eb
                           bl
                                                                                              undefined __libc_start_
                                         _libc_start_main
000103a0 f0 ff ff eb
                           bl
                                        abort
                                                                                              void abort(void)
                         Flow Override: CALL_RETURN (CALL_TERMINATOR)
```

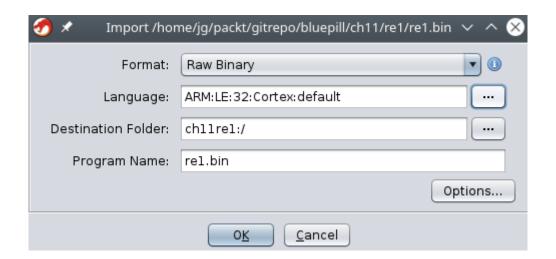




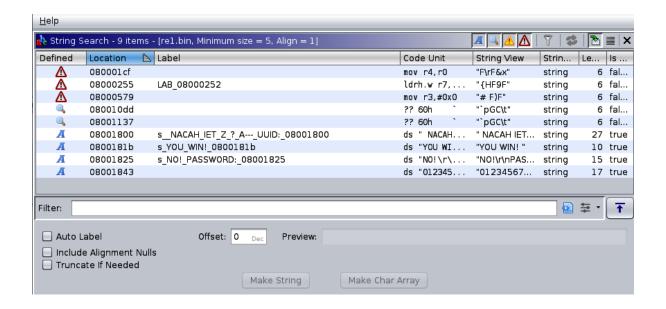
DAT_000105d4		XREF[4]:	FUN_00010464:000104e4(R), FUN_00010464:00010510(*), FUN_00010464:0001051c(R), 00021030(*)	
000105d4 8c	??	8Ch		
000105d5 8a	??	8Ah		
000105d6 8f	??	8Fh		
000105d7 9a	??	9Ah		
000105d8 8d	??	8Dh		
000105d9 8f	??	8Fh		
000105da 9e	??	9Eh		
000105db 8c	??	8Ch		
000105dc 8c	??	8Ch		
000105dd 88	??	88h		
000105de 90	??	90h		
000105df 8d	??	8Dh		
000105e0 9b	??	9Bh		
000105el de	??	DEh		
000105e2 00	??	00h		
000105e3 00	??	00h		









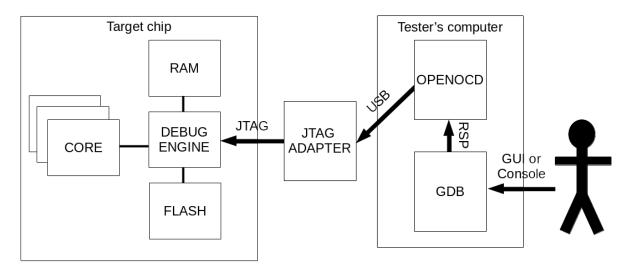




```
void FUN 08000e54(void)
{
  undefined4 uVarl;
  undefined4 uVar2;
  FUN 080009b8(4);
  FUN 080009a8(4);
  FUN 08000a84(0);
  FUN 080009b8(3);
  FUN 080009a8(3);
  FUN_08000a84(1);
  FUN 08000be8(0);
  FUN_08000bac(3);
  FUN_08000bd4(4);
  FUN 08000bc0(0);
  FUN 080014d0(2);
  FUN 08000a98(7);
  FUN_08000ad4(1);
  FUN 08000ae8(0);
  FUN_080007b4();
  FUN_080009a8(0);
  FUN_08000a84(2);
  uVar2 = DAT_08000ed4;
  uVarl = DAT_08000ecc;
  *DAT_08000ed0 = DAT_08000ecc;
  *DAT 08000ed8 = uVar2;
  *DAT 08000edc = uVarl;
  return;
}
```

```
do {
   puVarl0 = puVarl0 + 1;
   uVarl = *puVarl0;
   FUN_0800060e(uVar2,(uint)uVarl);
   uVarl1 = uVarl1 ^ (uint)uVarl;
   puVarl0 = puVarl0;
} while (puVarl0 != puVar4);
```

## **Chapter 12: Dynamic Reverse Engineering.**



```
undefined4 validate_password(undefined4 param_1,undefined2 param_2)
{
   undefined4 uVar1;
   int local_c;

local_c = 0;
   while (local_c < 0x47) {
     *(undefined *)(local_c + DAT_08000304) = ~PTR_DAT_08000300[local_c];
     local_c = local_c + 1;
   }
   uVar1 = (*(code *)(DAT_08000304 + 1))(0,param_1,param_2);
   return uVar1;
}</pre>
```

```
undefined4 validate_password(undefined4 param_1,undefined2 param_2)
               undefined4 uVarl;
int local_c;
undefined
undefined4
                                                                        XREF[6]:
                                                                                                                local_c = 0;
while (local_c < 0x47) {
    *(undefined *)(local_c + DAT_08000304) = -PTR_DAT_08000300[local_c];
    local_c = local_c + 1;</pre>
                                                                                                                undefined4
                  Stack[-0x10]:4local_10
                                                                        XREF[2]:
undefined4
                 Stack[-0x14]:4 local 14
                                                                       XREF[2]:
undefined2
                 Stack[-0x16]:2 local 16
                                                                       XREF[2]:
                                                               XREF[1]: FUN_08000308:0800040a(c)
```

## **Chapter 13: Scoring and Reporting Your Vulnerabilities.**

Chapter 14: Wrapping It Up – Mitigations and Good Practices.