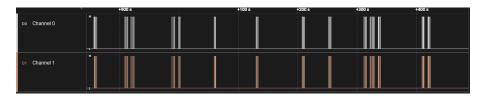
This challenge was a misc / hardware challenge. We needed to get into a "global company" which was represented by a big wooden box near the admin desk. We were given a website with a page of "leaks" about the company: https://skillroad.insomnihack.ch, which contained three different leaks that would help us infiltrate this company.

The first page was not accessible directly by a link, but since the second page was indexed as .../items/1338, we easily guessed that the first page was .../items/1337 and we could download the first file!! We could, however, not decode it yet but it looked like this:



On the second page, we could see a commented string in the javascript code. This was a function which encoded a string and the result was given. It was easily visible that the plaintext was easily retrievable so we asked our best friend to help us decode it quickly:)



It was a pdf which explained how to use the first file to get the digicode of the box. The data was encoded in block of four bits according to this table:

Character	Code
0	0000
1	0001
2	0010
3	0011
4	0100
5	0101
6	0110

Character	Code
7	0111
8	1000
9	1001
*	1010
#	1011
F1	1111
F2	1111

After some tries, we figured out the digicode, which was 215968#. We had the digicode to open the first part of the box!! We opened the box and found a NFC tag and a wifiname (QUEST GUEST) + password.



There was still one leak to access on the website, so we dug in and found nothing for a while. After many, many tries, we realised that we simply could make a small very basic SQL injection to access the file: 'OR 1=1, – This gave us access to a json file describing an api on the wifi we were connected to. After examining the json file, we figured out that we had to make a request to te api with giving a special id which was the one of the technician while holding the NFC tag on the box, which wrote some data on the NFC tag. When decoded, there was a parameter on the tag which was: admin=0. We changed it to admin=1 and we were able to open the second part of the box!! And a new WIFI appeared: INTERNAL QUEST.

With nmap, we were able to see that the port 435 was open on a certain IP in this new wifi, which corresponds to SMB communications. When connecting to the IP, a login was required which was admin, admin and we could download a kdbx file. After some tries, the master password was found to be rockyou and we could access the flag and the location of the treasure !! INS{ W3llDon3!Y0uCompl3tedTh3Expl0itQuetn(ovo)/}