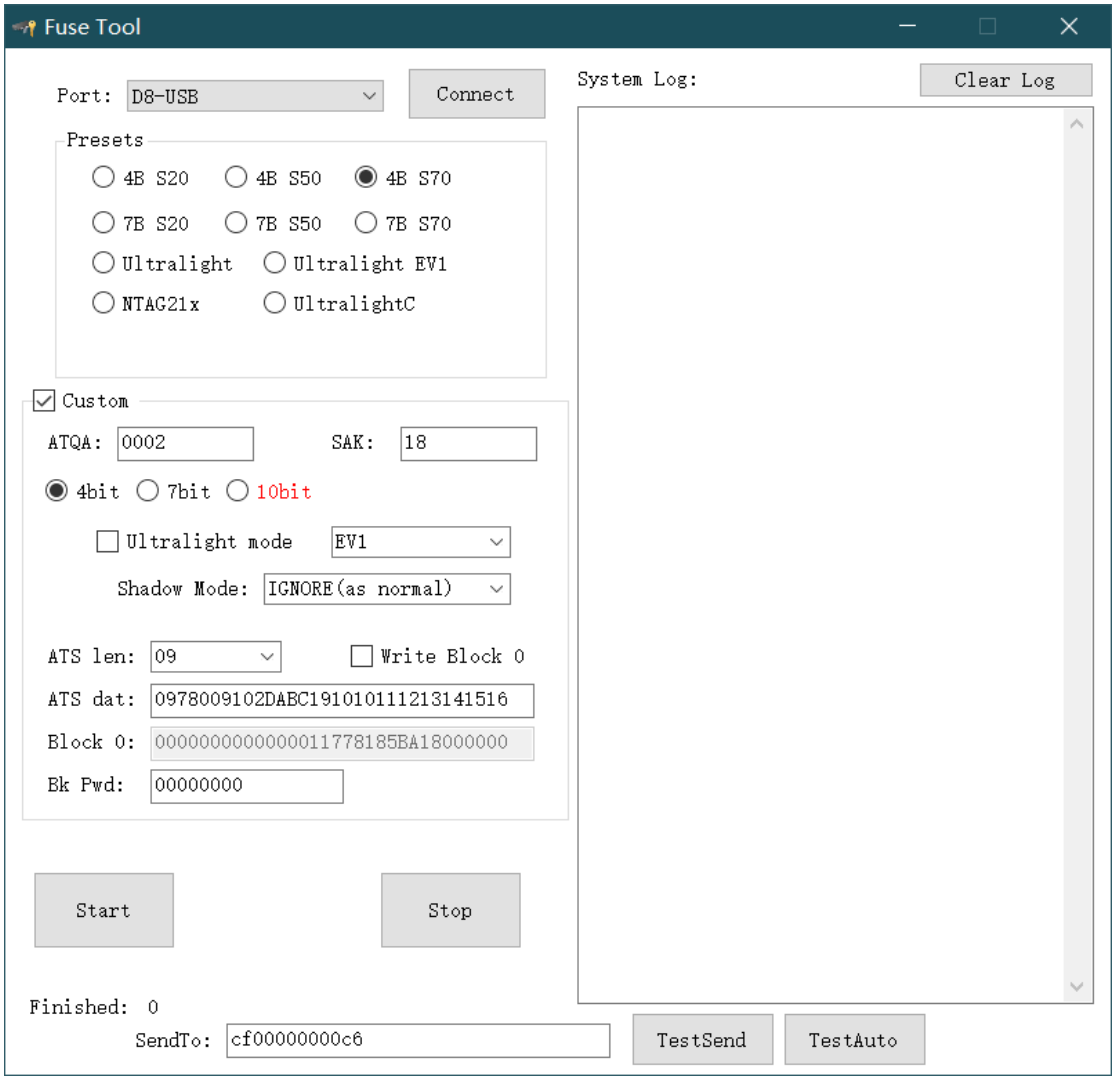
For the test results of this modification, use the results of pm3 hf sea, hf 14a info, hf mfu info, and hf mfu dump respectively.

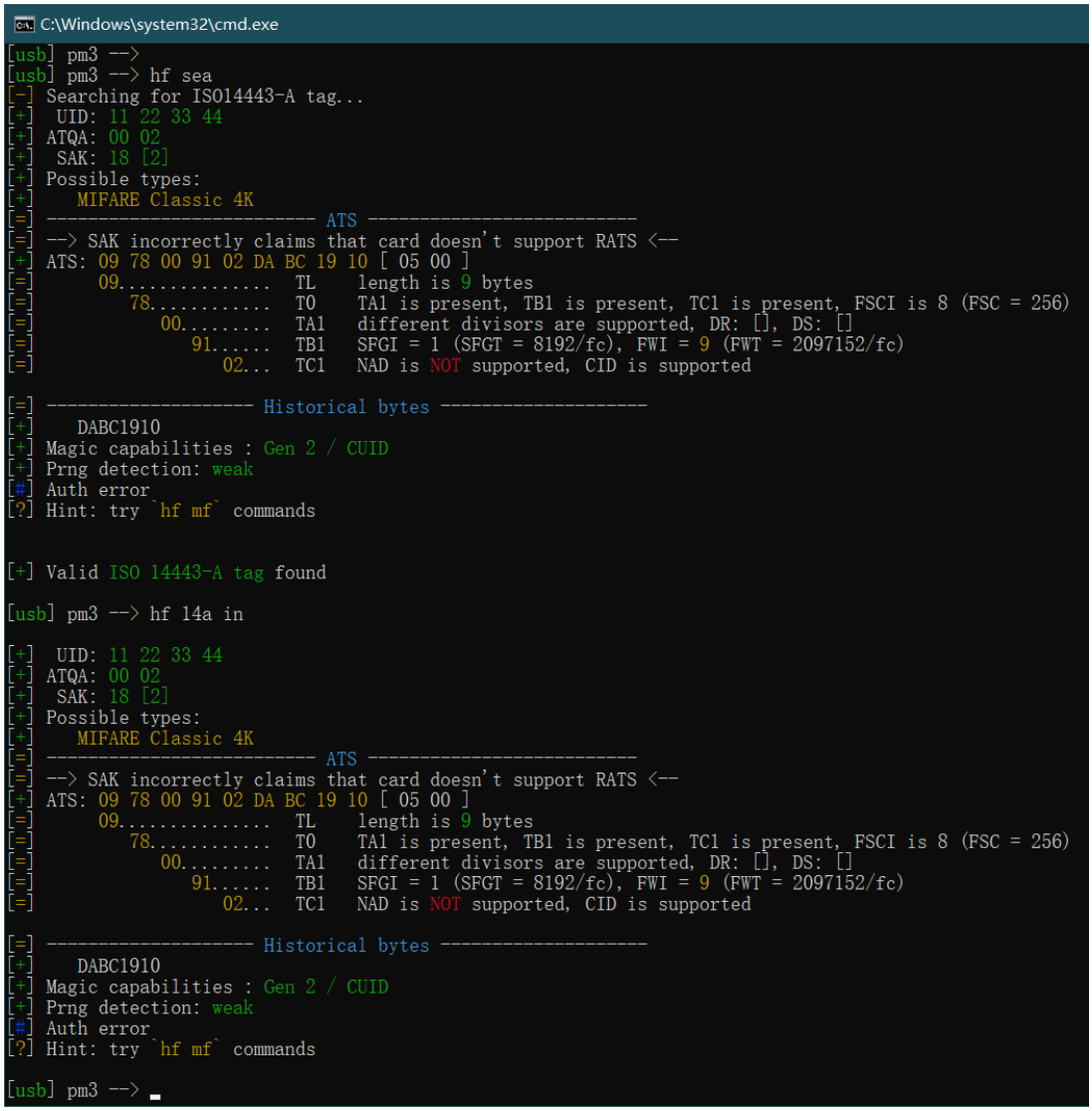
Menu

Menu

FuseTool


Fuse Tool
Port: D8-USB
Connect
System Log:
Clear Log
Presets
4B S20
4B S50
4B S70
7B S20
7B S50
7B S70
Ultralight
Ultralight EV1
NTAG21x
UltralightC
Custom
ATQA: 0002
SAK: 18
4bit
7bit
10bit
Ultralight mode
EV1
Shadow Mode: IGNORE(as normal)
ATS len: 09
Write Block 0
ATS dat: 0978009102DABC191010111213141516
Block 0: 00000000000000011778185BA18000000
Bk Pwd: 00000000
Start
Stop
Finished: 0
SendTo: cf00000000c6
TestSend
TestAuto

4B S70 (M4-4b)


C:\Windows\system32\cmd.exe
[usb] pm3 -->
[usb] pm3 --> hf sea
[-] Searching for ISO14443-A tag...
[+] UID: 11 22 33 44
[+] ATQA: 00 02
[+] SAK: 18 [2]
[+] Possible types:
[+]   MIFARE Classic 4K
[=] ------------------------- ATS -------------------------
[=] --> SAK incorrectly claims that card doesn't support RATS <--
[+] ATS: 09 78 00 91 02 DA BC 19 10 [05 00]
[=]   09............. TL   length is 9 bytes
[=]   78.......... T0   TA1 is present, TB1 is present, TC1 is present, FSCI is 8 (FSC = 256)
[=]   00....... TA1   different divisors are supported, DR: [], DS: []
[=]   91.... TB1   SFGI = 1 (SFGT = 8192/fc), FWI = 9 (FWT = 2097152/fc)
[=]   02... TC1   NAD is NOT supported, CID is supported
[=] ------------------- Historical bytes -------------------
[+]   DABC1910
[+] Magic capabilities : Gen 2 / CUID
[+] Prng detection: weak
[#] Auth error
[?] Hint: try `hf mf` commands
[+] Valid ISO 14443-A tag found
[usb] pm3 --> hf 14a in
[+] UID: 11 22 33 44
[+] ATQA: 00 02
[+] SAK: 18 [2]
[+] Possible types:
[+]   MIFARE Classic 4K
[=] ------------------------- ATS -------------------------
[=] --> SAK incorrectly claims that card doesn't support RATS <--
[+] ATS: 09 78 00 91 02 DA BC 19 10 [05 00]
[=]   09............. TL   length is 9 bytes
[=]   78.......... T0   TA1 is present, TB1 is present, TC1 is present, FSCI is 8 (FSC = 256)
[=]   00....... TA1   different divisors are supported, DR: [], DS: []
[=]   91.... TB1   SFGI = 1 (SFGT = 8192/fc), FWI = 9 (FWT = 2097152/fc)
[=]   02... TC1   NAD is NOT supported, CID is supported
[=] ------------------- Historical bytes -------------------
[+]   DABC1910
[+] Magic capabilities : Gen 2 / CUID
[+] Prng detection: weak
[#] Auth error
[?] Hint: try `hf mf` commands
[usb] pm3 -->

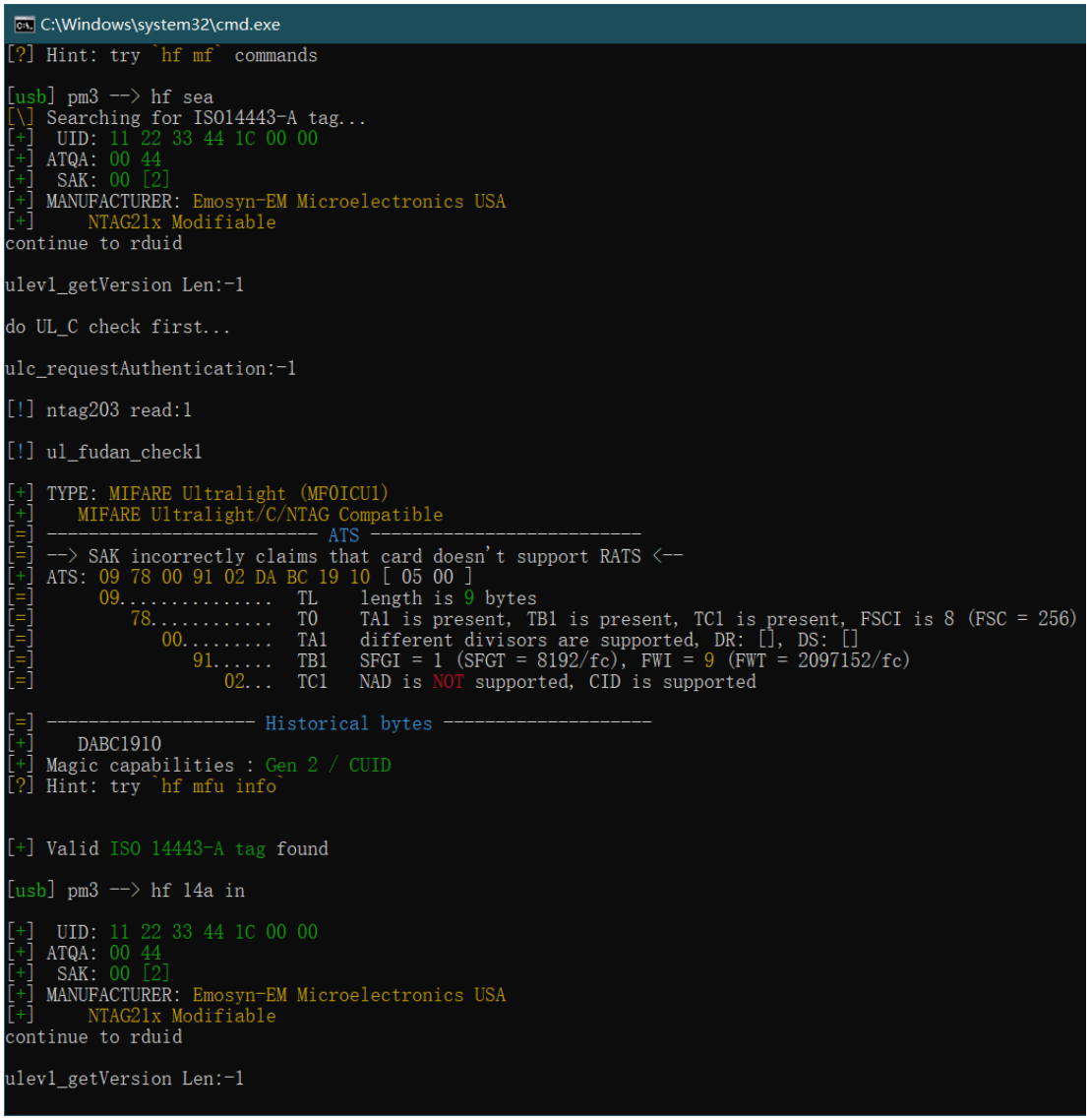
7B S50(M1-7b)

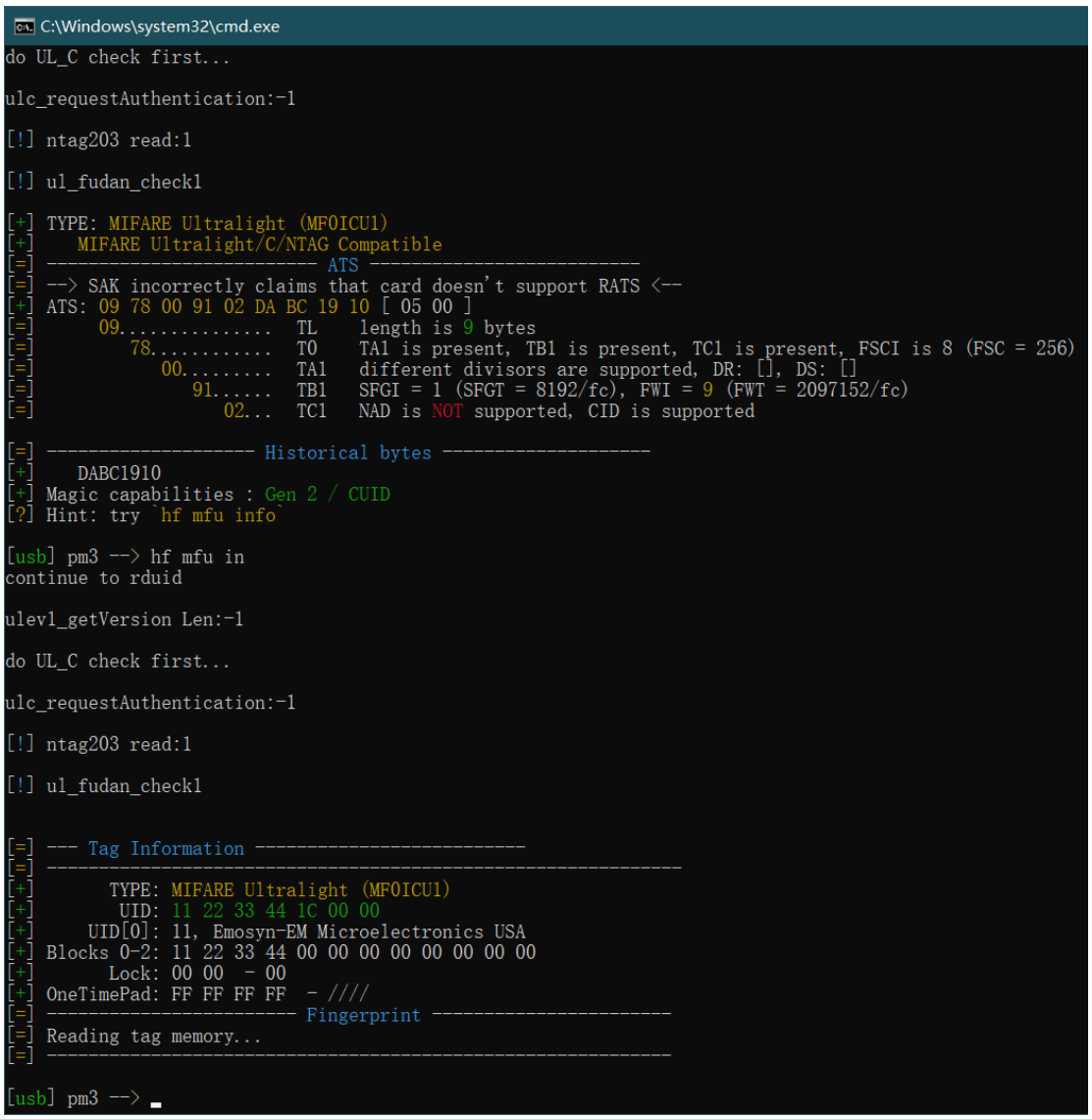
```
[usb] pm3 --> hf sea
[/] Searching for ISO14443-A tag...
[+]  UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 44
[+]  SAK: 08 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]      NTAG21x Modifiable
[=] proprietary non iso14443-4 card found, RATS not supported
[+] Prng detection: weak
[#] Auth error
[?] Hint: try `hf mf` commands


[+] Valid ISO 14443-A tag found

[usb] pm3 --> hf 14a in

[+]  UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 44
[+]  SAK: 08 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]      NTAG21x Modifiable
[=] proprietary non iso14443-4 card found, RATS not supported
[+] Prng detection: weak
[#] Auth error
[?] Hint: try `hf mf` commands

[usb] pm3 --> _
```

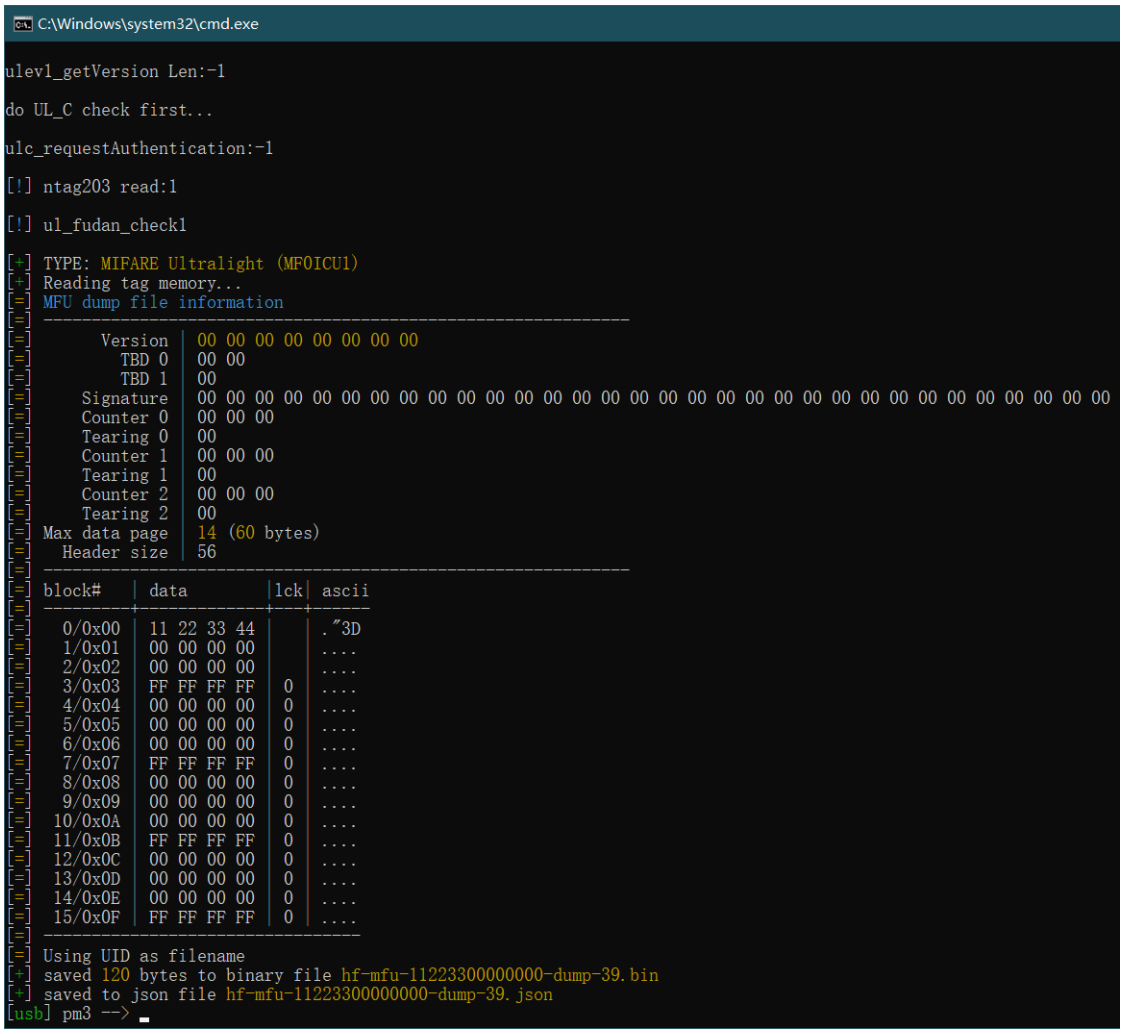
7B S70(M4-7b)

```
[usb] pm3 --> hf sea
[|] Searching for ISO14443-A tag...
[+]  UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 42
[+]  SAK: 18 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]     NTAG21x Modifiable
[=] -------------------------- ATS --------------------------
[=] --> SAK incorrectly claims that card doesn't support RATS <--
[+] ATS: 09 78 00 91 02 DA BC 19 10 [ 05 00 ]
[=]      09.............  TL    length is 9 bytes
[=]         78..........  T0    TA1 is present, TB1 is present, TC1 is present, FSCI is 8 (FSC = 256)
[=]            00.......  TA1   different divisors are supported, DR: [], DS: []
[=]               91.....  TB1   SFGI = 1 (SFGT = 8192/fc), FWI = 9 (FWT = 2097152/fc)
[=]                  02...  TC1   NAD is NOT supported, CID is supported

[=] -------------------- Historical bytes --------------------
[+]    DABC1910
[+] Magic capabilities : Gen 2 / CUID
[+] Prng detection: weak
[#] Auth error
[?] Hint: try `hf mf` commands


[+] Valid ISO 14443-A tag found

[usb] pm3 --> hf 14a in

[+]  UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 42
[+]  SAK: 18 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]     NTAG21x Modifiable
[=] -------------------------- ATS --------------------------
[=] --> SAK incorrectly claims that card doesn't support RATS <--
[+] ATS: 09 78 00 91 02 DA BC 19 10 [ 05 00 ]
[=]      09.............  TL    length is 9 bytes
[=]         78..........  T0    TA1 is present, TB1 is present, TC1 is present, FSCI is 8 (FSC = 256)
[=]            00.......  TA1   different divisors are supported, DR: [], DS: []
[=]               91.....  TB1   SFGI = 1 (SFGT = 8192/fc), FWI = 9 (FWT = 2097152/fc)
[=]                  02...  TC1   NAD is NOT supported, CID is supported

[=] -------------------- Historical bytes --------------------
[+]    DABC1910
[+] Magic capabilities : Gen 2 / CUID
[+] Prng detection: weak
[#] Auth error
[?] Hint: try `hf mf` commands

[usb] pm3 -->
```

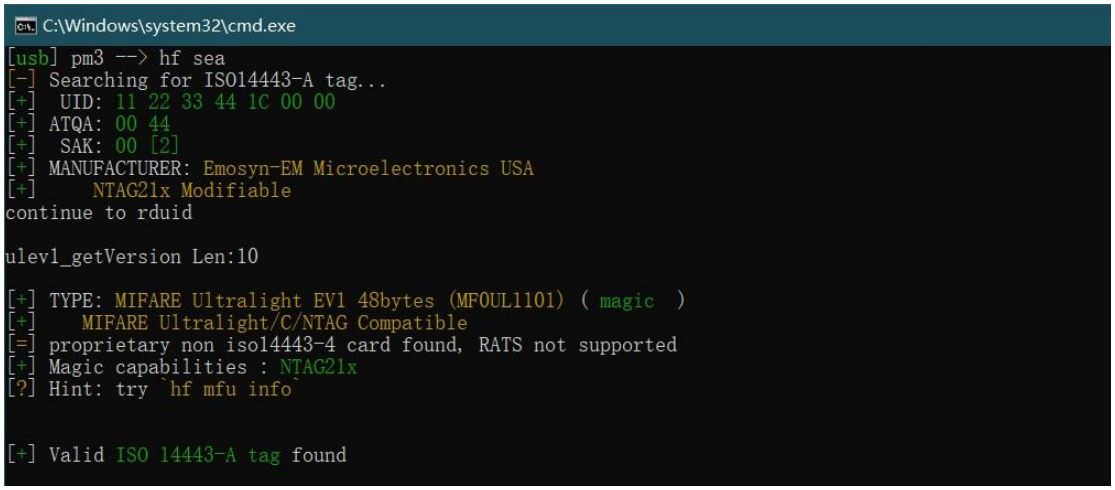
Ultralight

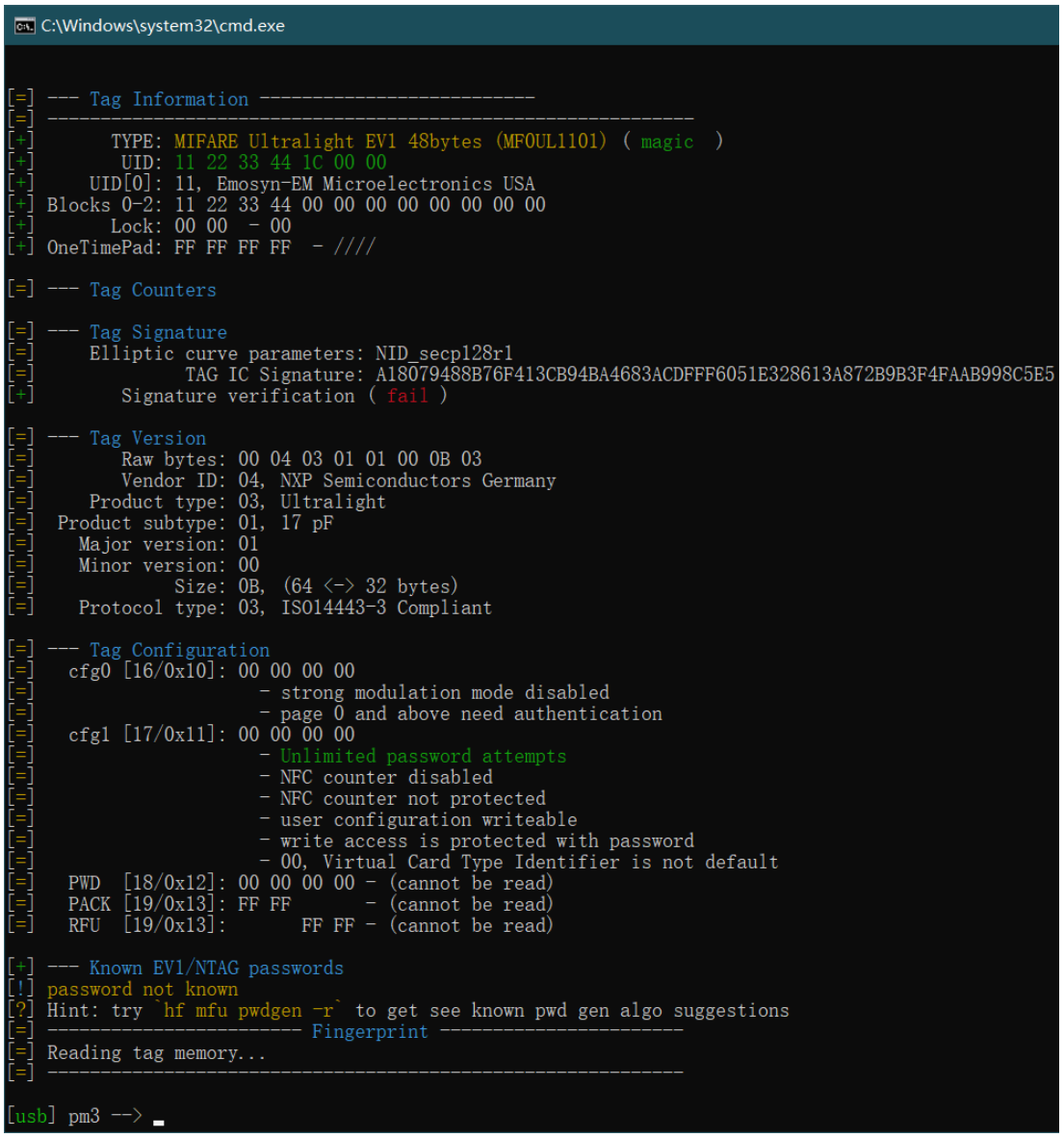

C:\Windows\system32\cmd.exe
[?] Hint: try `hf mf` commands
[usb] pm3 --> hf sea
[\] Searching for ISO14443-A tag...
[+] UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 44
[+] SAK: 00 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]   NTAG21x Modifiable
continue to rduid
ulev1_getVersion Len:-1
do UL_C check first...
ulc_requestAuthentication:-1
[!] ntag203 read:1
[!] ul_fudan_check1
[+] TYPE: MIFARE Ultralight (MF0ICU1)
[+]   MIFARE Ultralight/C/NTAG Compatible
[=] ------------------------- ATS -------------------------
[=] --> SAK incorrectly claims that card doesn't support RATS <--
[+] ATS: 09 78 00 91 02 DA BC 19 10 [05 00]
[=]   09............. TL   length is 9 bytes
[=]   78.......... T0   TA1 is present, TB1 is present, TC1 is present, FSCI is 8 (FSC = 256)
[=]   00....... TA1   different divisors are supported, DR: [], DS: []
[=]   91..... TB1   SFGI = 1 (SFGT = 8192/fc), FWI = 9 (FWT = 2097152/fc)
[=]   02... TC1   NAD is NOT supported, CID is supported
[=] ------------------- Historical bytes -------------------
[+]   DABC1910
[+] Magic capabilities : Gen 2 / CUID
[?] Hint: try `hf mfu info`
[+] Valid ISO 14443-A tag found
[usb] pm3 --> hf 14a in
[+] UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 44
[+] SAK: 00 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]   NTAG21x Modifiable
continue to rduid
ulev1_getVersion Len:-1

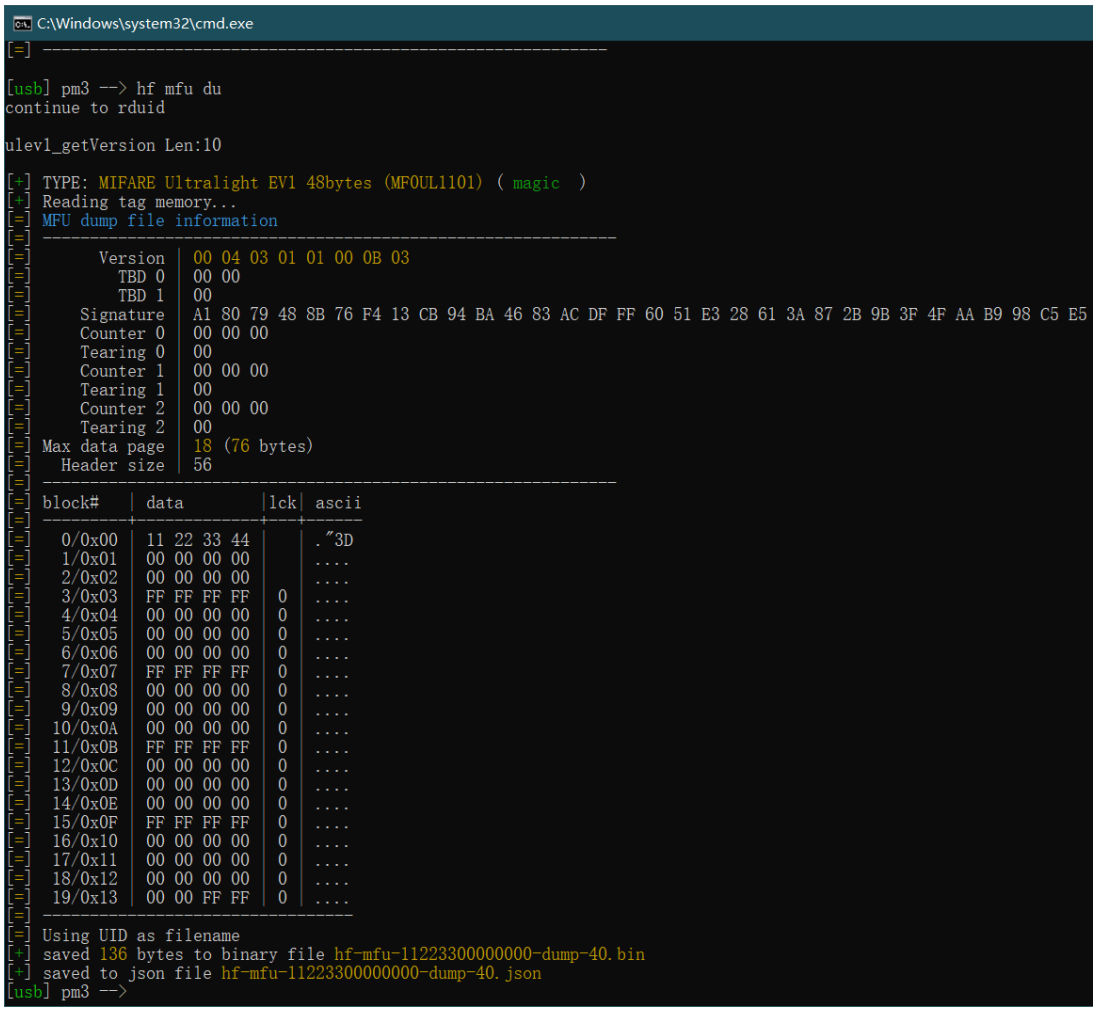

C:\Windows\system32\cmd.exe
do UL_C check first...
ulc_requestAuthentication:-1
[!] ntag203 read:1
[!] ul_fudan_check1
[+] TYPE: MIFARE Ultralight (MF0ICU1)
[+] MIFARE Ultralight/C/NTAG Compatible
[=] ATS
[=] --> SAK incorrectly claims that card doesn't support RATS <--
[+] ATS: 09 78 00 91 02 DA BC 19 10 [05 00]
[=] 09..... TL length is 9 bytes
[=] 78..... T0 TA1 is present, TB1 is present, TC1 is present, FSCI is 8 (FSC = 256)
[=] 00..... TA1 different divisors are supported, DR: [], DS: []
[=] 91..... TB1 SFGI = 1 (SFGT = 8192/fc), FWI = 9 (FWT = 2097152/fc)
[=] 02... TC1 NAD is NOT supported, CID is supported
[=] Historical bytes
[+] DABC1910
[+] Magic capabilities : Gen 2 / CUID
[?] Hint: try `hf mfu info`
[usb] pm3 --> hf mfu in
continue to rduid
ulev1_getVersion Len:-1
do UL_C check first...
ulc_requestAuthentication:-1
[!] ntag203 read:1
[!] ul_fudan_check1
[=] --- Tag Information
[+] TYPE: MIFARE Ultralight (MF0ICU1)
[+] UID: 11 22 33 44 1C 00 00
[+] UID[0]: 11, Emosyn-EM Microelectronics USA
[+] Blocks 0-2: 11 22 33 44 00 00 00 00 00 00 00 00
[+] Lock: 00 00 - 00
[+] OneTimePad: FF FF FF FF - ////
[=] Fingerprint
[=] Reading tag memory...
[usb] pm3 -->



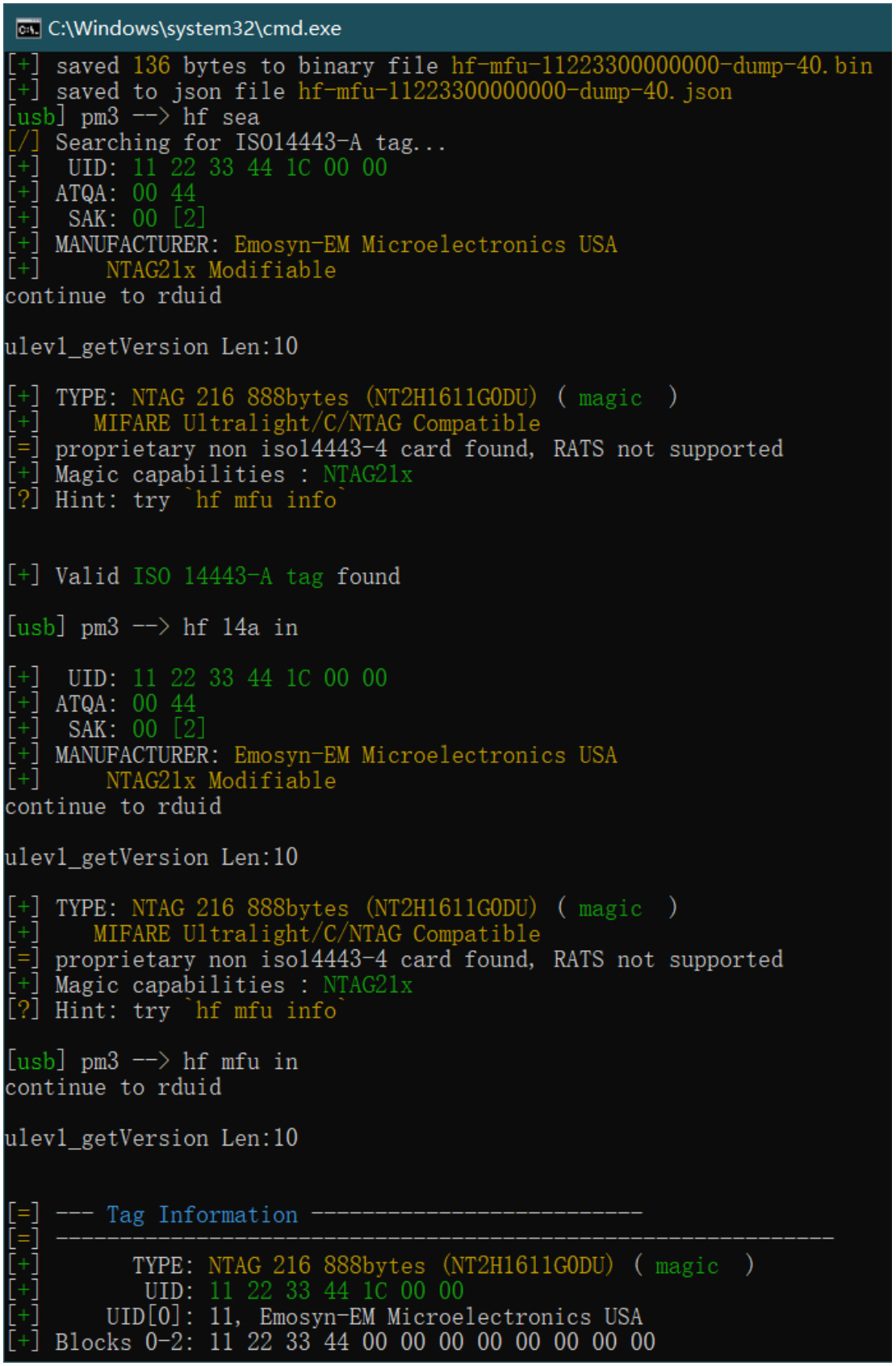
Ultralight EV1

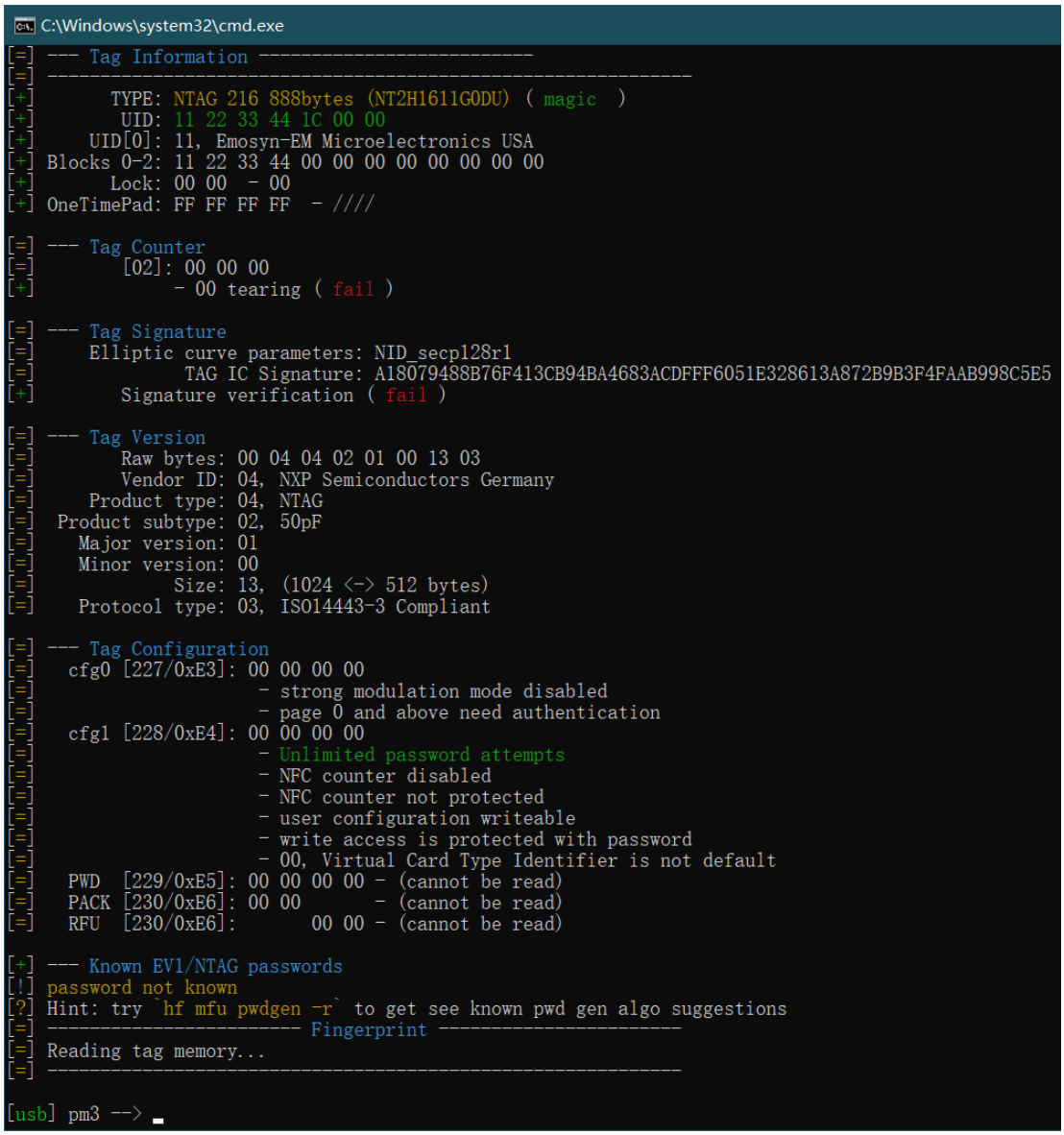


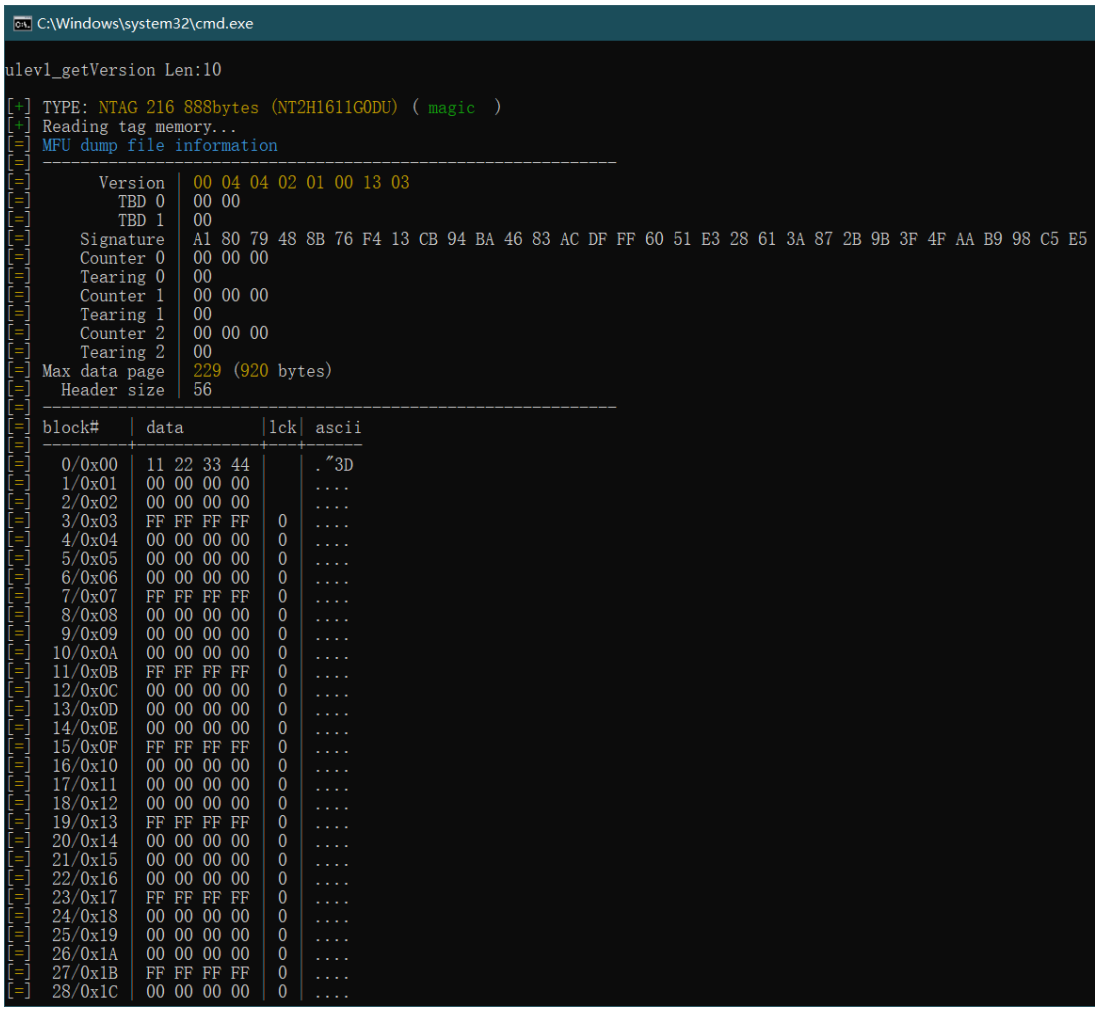

C:\Windows\system32\cmd.exe
[=] --- Tag Information ---
[=]
[+] TYPE: MIFARE Ultralight EV1 48bytes (MF0UL1101) (magic)
[+] UID: 11 22 33 44 1C 00 00
[+] UID[0]: 11, Emosyn-EM Microelectronics USA
[+] Blocks 0-2: 11 22 33 44 00 00 00 00 00 00 00 00
[+] Lock: 00 00 - 00
[+] OneTimePad: FF FF FF FF - ////
[=] --- Tag Counters
[=] --- Tag Signature
[=] Elliptic curve parameters: NID_secp128r1
[=] TAG IC Signature: A18079488B76F413CB94BA4683ACDFFF6051E328613A872B9B3F4FAAB998C5E5
[+] Signature verification (fail)
[=] --- Tag Version
[=] Raw bytes: 00 04 03 01 01 00 0B 03
[=] Vendor ID: 04, NXP Semiconductors Germany
[=] Product type: 03, Ultralight
[=] Product subtype: 01, 17 pF
[=] Major version: 01
[=] Minor version: 00
[=] Size: 0B, (64 <-> 32 bytes)
[=] Protocol type: 03, ISO14443-3 Compliant
[=] --- Tag Configuration
[=] cfg0 [16/0x10]: 00 00 00 00
[=] - strong modulation mode disabled
[=] - page 0 and above need authentication
[=] cfg1 [17/0x11]: 00 00 00 00
[=] - Unlimited password attempts
[=] - NFC counter disabled
[=] - NFC counter not protected
[=] - user configuration writeable
[=] - write access is protected with password
[=] - 00, Virtual Card Type Identifier is not default
[=] PWD [18/0x12]: 00 00 00 00 - (cannot be read)
[=] PACK [19/0x13]: FF FF - (cannot be read)
[=] RFU [19/0x13]: FF FF - (cannot be read)
[+] --- Known EV1/NTAG passwords
[!] password not known
[?] Hint: try `hf mfu pwdgen -r` to get see known pwd gen algo suggestions
[=] ---------- Fingerprint ----------
[=] Reading tag memory...
[=]
[usb] pm3 -->

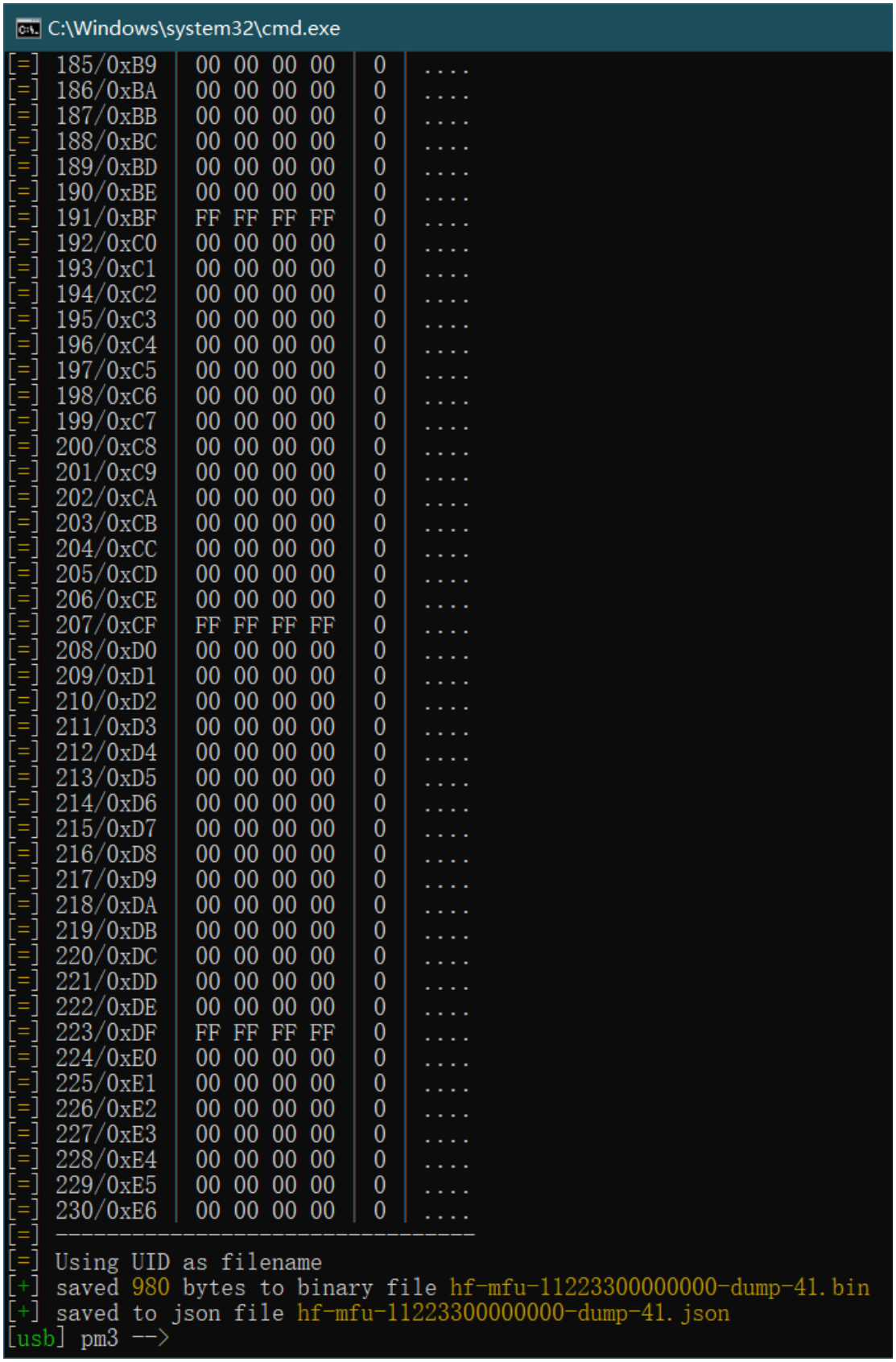

C:\Windows\system32\cmd.exe
[usb] pm3 --> hf mfu du
continue to rduid
ulev1_getVersion Len:10
[+] TYPE: MIFARE Ultralight EV1 48bytes (MF0UL1101) (magic)
[+] Reading tag memory...
[=] MFU dump file information
Version | 00 04 03 01 01 00 0B 03
TBD 0 | 00 00
TBD 1 | 00
Signature | A1 80 79 48 8B 76 F4 13 CB 94 BA 46 83 AC DF FF 60 51 E3 28 61 3A 87 2B 9B 3F 4F AA B9 98 C5 E5
Counter 0 | 00 00 00
Tearing 0 | 00
Counter 1 | 00 00 00
Tearing 1 | 00
Counter 2 | 00 00 00
Tearing 2 | 00
Max data page | 18 (76 bytes)
Header size | 56
block# | data | lck | ascii
0/0x00 | 11 22 33 44 | | ."3D
1/0x01 | 00 00 00 00 | | ....
2/0x02 | 00 00 00 00 | | ....
3/0x03 | FF FF FF FF | 0 | ....
4/0x04 | 00 00 00 00 | 0 | ....
5/0x05 | 00 00 00 00 | 0 | ....
6/0x06 | 00 00 00 00 | 0 | ....
7/0x07 | FF FF FF FF | 0 | ....
8/0x08 | 00 00 00 00 | 0 | ....
9/0x09 | 00 00 00 00 | 0 | ....
10/0x0A | 00 00 00 00 | 0 | ....
11/0x0B | FF FF FF FF | 0 | ....
12/0x0C | 00 00 00 00 | 0 | ....
13/0x0D | 00 00 00 00 | 0 | ....
14/0x0E | 00 00 00 00 | 0 | ....
15/0x0F | FF FF FF FF | 0 | ....
16/0x10 | 00 00 00 00 | 0 | ....
17/0x11 | 00 00 00 00 | 0 | ....
18/0x12 | 00 00 00 00 | 0 | ....
19/0x13 | 00 00 FF FF | 0 | ....
[=] Using UID as filename
[+] saved 136 bytes to binary file hf-mfu-11223300000000-dump-40.bin
[+] saved to json file hf-mfu-11223300000000-dump-40.json
[usb] pm3 -->

NTAG21X

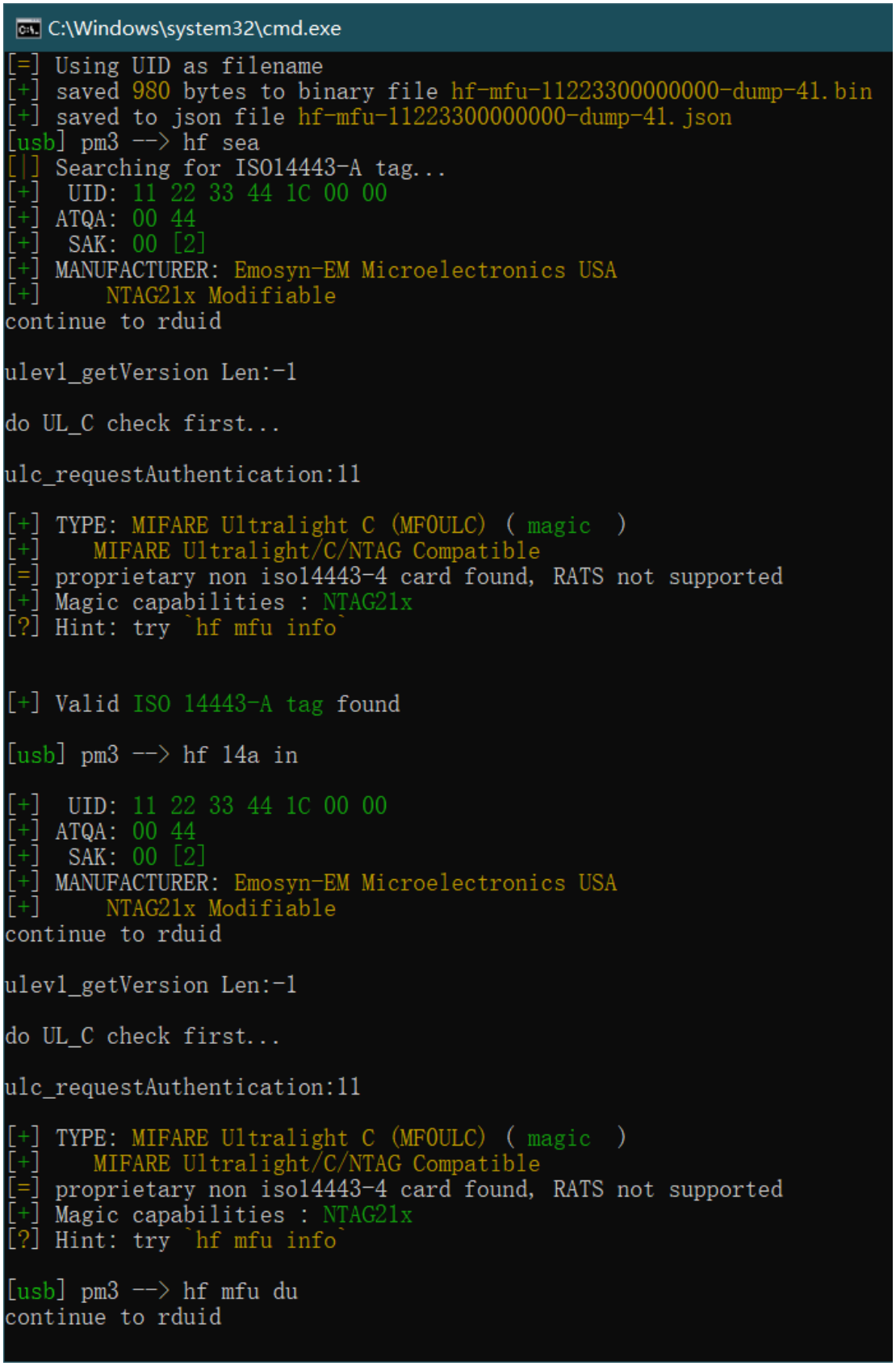

C:\Windows\system32\cmd.exe
[+] saved 136 bytes to binary file hf-mfu-11223300000000-dump-40.bin
[+] saved to json file hf-mfu-11223300000000-dump-40.json
[usb] pm3 --> hf sea
[/] Searching for ISO14443-A tag...
[+] UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 44
[+] SAK: 00 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]   NTAG21x Modifiable
continue to rduid
ulev1_getVersion Len:10
[+] TYPE: NTAG 216 888bytes (NT2H1611G0DU) (magic)
[+]   MIFARE Ultralight/C/NTAG Compatible
[=] proprietary non iso14443-4 card found, RATS not supported
[+] Magic capabilities : NTAG21x
[?] Hint: try `hf mfu info`
[+] Valid ISO 14443-A tag found
[usb] pm3 --> hf 14a in
[+] UID: 11 22 33 44 1C 00 00
[+] ATQA: 00 44
[+] SAK: 00 [2]
[+] MANUFACTURER: Emosyn-EM Microelectronics USA
[+]   NTAG21x Modifiable
continue to rduid
ulev1_getVersion Len:10
[+] TYPE: NTAG 216 888bytes (NT2H1611G0DU) (magic)
[+]   MIFARE Ultralight/C/NTAG Compatible
[=] proprietary non iso14443-4 card found, RATS not supported
[+] Magic capabilities : NTAG21x
[?] Hint: try `hf mfu info`
[usb] pm3 --> hf mfu in
continue to rduid
ulev1_getVersion Len:10
[=] --- Tag Information ---------------------------
[=] --
[+]   TYPE: NTAG 216 888bytes (NT2H1611G0DU) (magic)
[+]   UID: 11 22 33 44 1C 00 00
[+]   UID[0]: 11, Emosyn-EM Microelectronics USA
[+] Blocks 0-2: 11 22 33 44 00 00 00 00 00 00 00 00

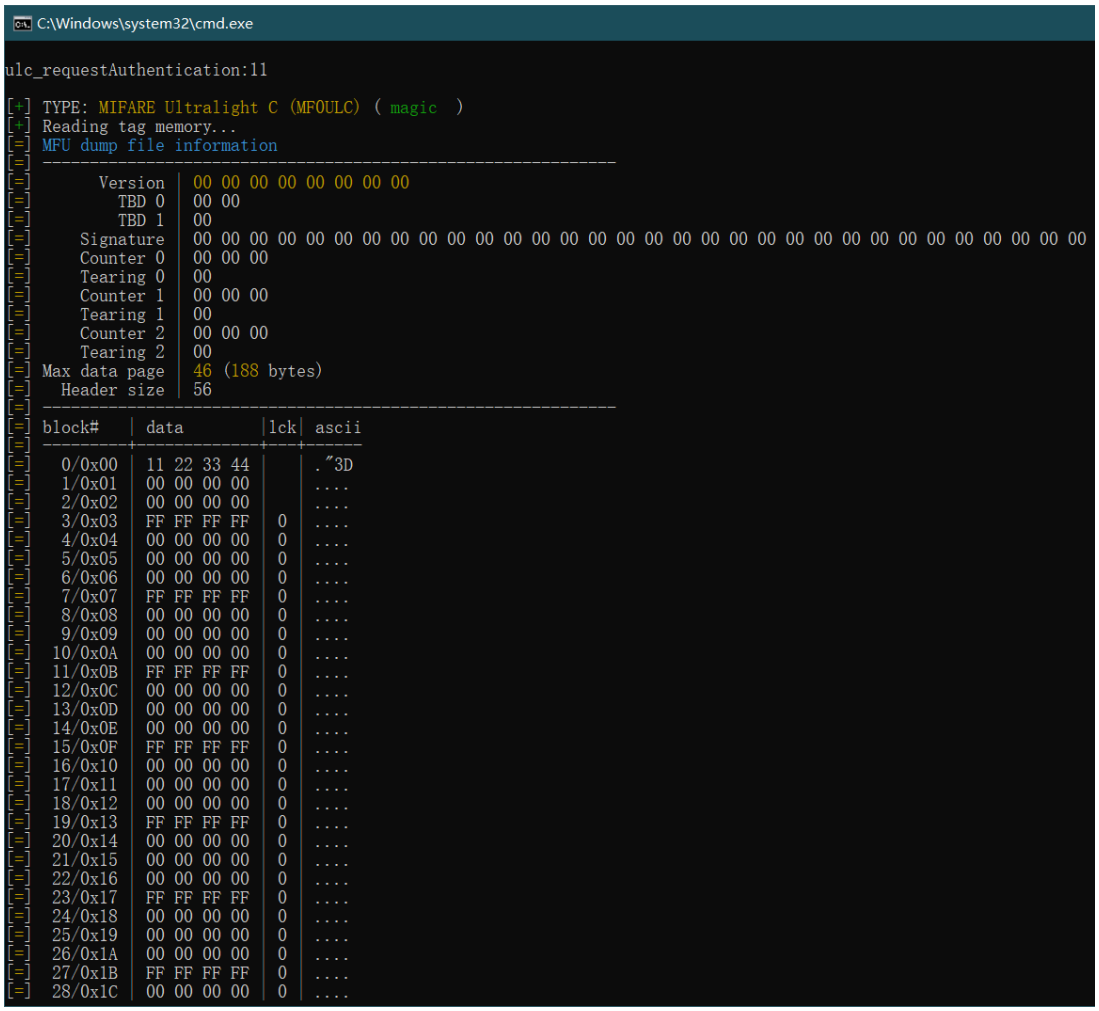

C:\Windows\system32\cmd.exe
[=] --- Tag Information ---
[=] ---
[+] TYPE: NTAG 216 888bytes (NT2H1611G0DU) (magic)
[+] UID: 11 22 33 44 1C 00 00
[+] UID[0]: 11, Emosyn-EM Microelectronics USA
[+] Blocks 0-2: 11 22 33 44 00 00 00 00 00 00 00 00
[+] Lock: 00 00 - 00
[+] OneTimePad: FF FF FF FF - ////
[=] --- Tag Counter
[=] [02]: 00 00 00
[+] - 00 tearing (fail)
[=] --- Tag Signature
[=] Elliptic curve parameters: NID_secp128r1
[=] TAG IC Signature: A18079488B76F413CB94BA4683ACDFFF6051E328613A872B9B3F4FAAB998C5E5
[+] Signature verification (fail)
[=] --- Tag Version
[=] Raw bytes: 00 04 04 02 01 00 13 03
[=] Vendor ID: 04, NXP Semiconductors Germany
[=] Product type: 04, NTAG
[=] Product subtype: 02, 50pF
[=] Major version: 01
[=] Minor version: 00
[=] Size: 13, (1024 <-> 512 bytes)
[=] Protocol type: 03, ISO14443-3 Compliant
[=] --- Tag Configuration
[=] cfg0 [227/0xE3]: 00 00 00 00
[=] - strong modulation mode disabled
[=] - page 0 and above need authentication
[=] cfg1 [228/0xE4]: 00 00 00 00
[=] - Unlimited password attempts
[=] - NFC counter disabled
[=] - NFC counter not protected
[=] - user configuration writeable
[=] - write access is protected with password
[=] - 00, Virtual Card Type Identifier is not default
[=] PWD [229/0xE5]: 00 00 00 00 - (cannot be read)
[=] PACK [230/0xE6]: 00 00 - (cannot be read)
[=] RFU [230/0xE6]: 00 00 - (cannot be read)
[+] --- Known EV1/NTAG passwords
[!] password not known
[?] Hint: try `hf mfu pwdgen -r` to get see known pwd gen algo suggestions
[=] ---------- Fingerprint ----------
[=] Reading tag memory...
[=] ---
[usb] pm3 -->

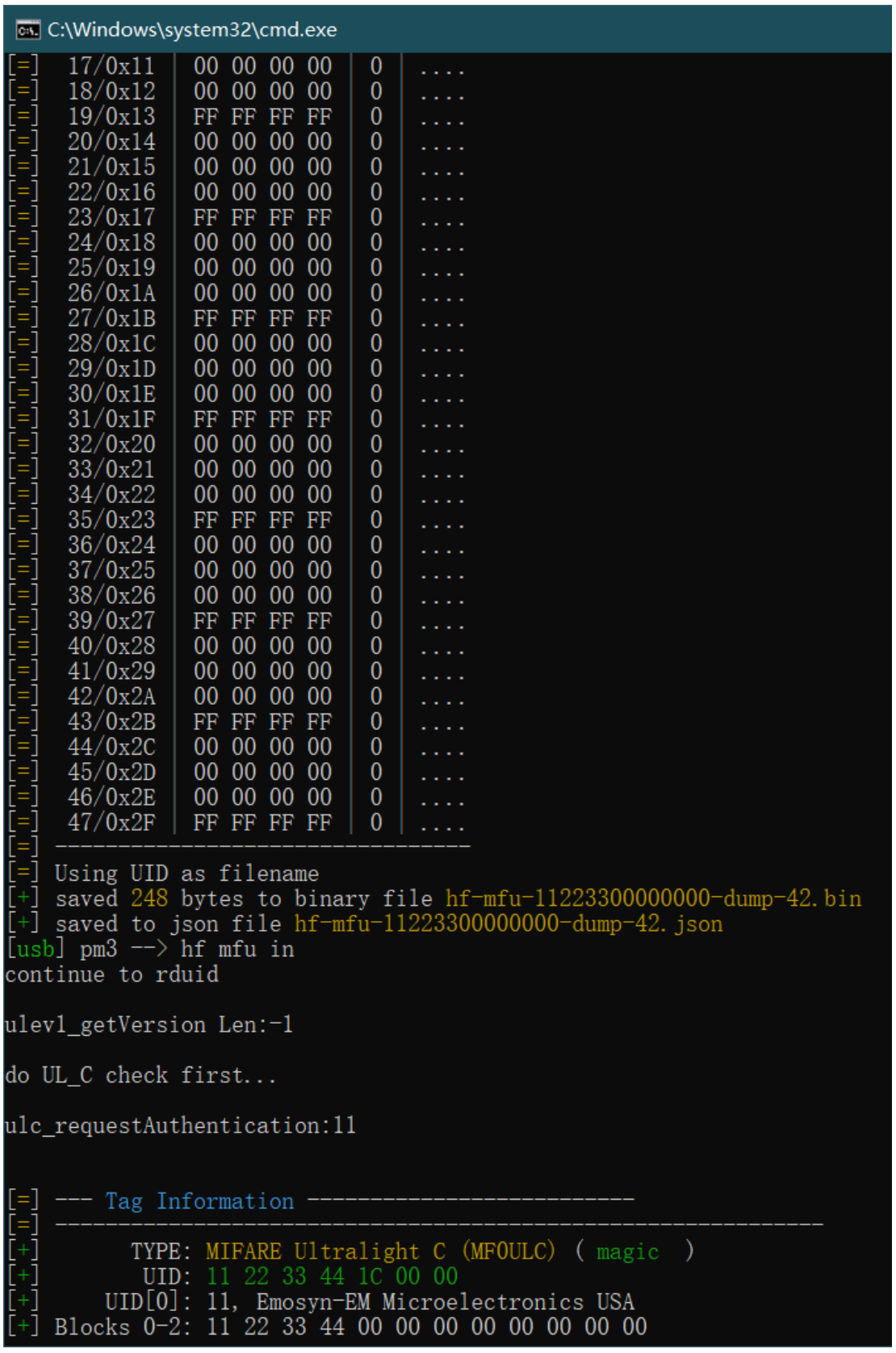

C:\Windows\system32\cmd.exe
ulev1_getVersion Len:10
[+] TYPE: NTAG 216 888bytes (NT2H1611G0DU) (magic)
[+] Reading tag memory...
[=] MFU dump file information
[=] --
[=] Version | 00 04 04 02 01 00 13 03
[=] TBD 0 | 00 00
[=] TBD 1 | 00
[=] Signature | A1 80 79 48 8B 76 F4 13 CB 94 BA 46 83 AC DF FF 60 51 E3 28 61 3A 87 2B 9B 3F 4F AA B9 98 C5 E5
[=] Counter 0 | 00 00 00
[=] Tearing 0 | 00
[=] Counter 1 | 00 00 00
[=] Tearing 1 | 00
[=] Counter 2 | 00 00 00
[=] Tearing 2 | 00
[=] Max data page | 229 (920 bytes)
[=] Header size | 56
[=] --
[=] block# | data |lck| ascii
[=] ---------+-------------+---+------
[=] 0/0x00 | 11 22 33 44 | | ."3D
[=] 1/0x01 | 00 00 00 00 | | ....
[=] 2/0x02 | 00 00 00 00 | | ....
[=] 3/0x03 | FF FF FF FF | 0 | ....
[=] 4/0x04 | 00 00 00 00 | 0 | ....
[=] 5/0x05 | 00 00 00 00 | 0 | ....
[=] 6/0x06 | 00 00 00 00 | 0 | ....
[=] 7/0x07 | FF FF FF FF | 0 | ....
[=] 8/0x08 | 00 00 00 00 | 0 | ....
[=] 9/0x09 | 00 00 00 00 | 0 | ....
[=] 10/0x0A | 00 00 00 00 | 0 | ....
[=] 11/0x0B | FF FF FF FF | 0 | ....
[=] 12/0x0C | 00 00 00 00 | 0 | ....
[=] 13/0x0D | 00 00 00 00 | 0 | ....
[=] 14/0x0E | 00 00 00 00 | 0 | ....
[=] 15/0x0F | FF FF FF FF | 0 | ....
[=] 16/0x10 | 00 00 00 00 | 0 | ....
[=] 17/0x11 | 00 00 00 00 | 0 | ....
[=] 18/0x12 | 00 00 00 00 | 0 | ....
[=] 19/0x13 | FF FF FF FF | 0 | ....
[=] 20/0x14 | 00 00 00 00 | 0 | ....
[=] 21/0x15 | 00 00 00 00 | 0 | ....
[=] 22/0x16 | 00 00 00 00 | 0 | ....
[=] 23/0x17 | FF FF FF FF | 0 | ....
[=] 24/0x18 | 00 00 00 00 | 0 | ....
[=] 25/0x19 | 00 00 00 00 | 0 | ....
[=] 26/0x1A | 00 00 00 00 | 0 | ....
[=] 27/0x1B | FF FF FF FF | 0 | ....
[=] 28/0x1C | 00 00 00 00 | 0 | ....

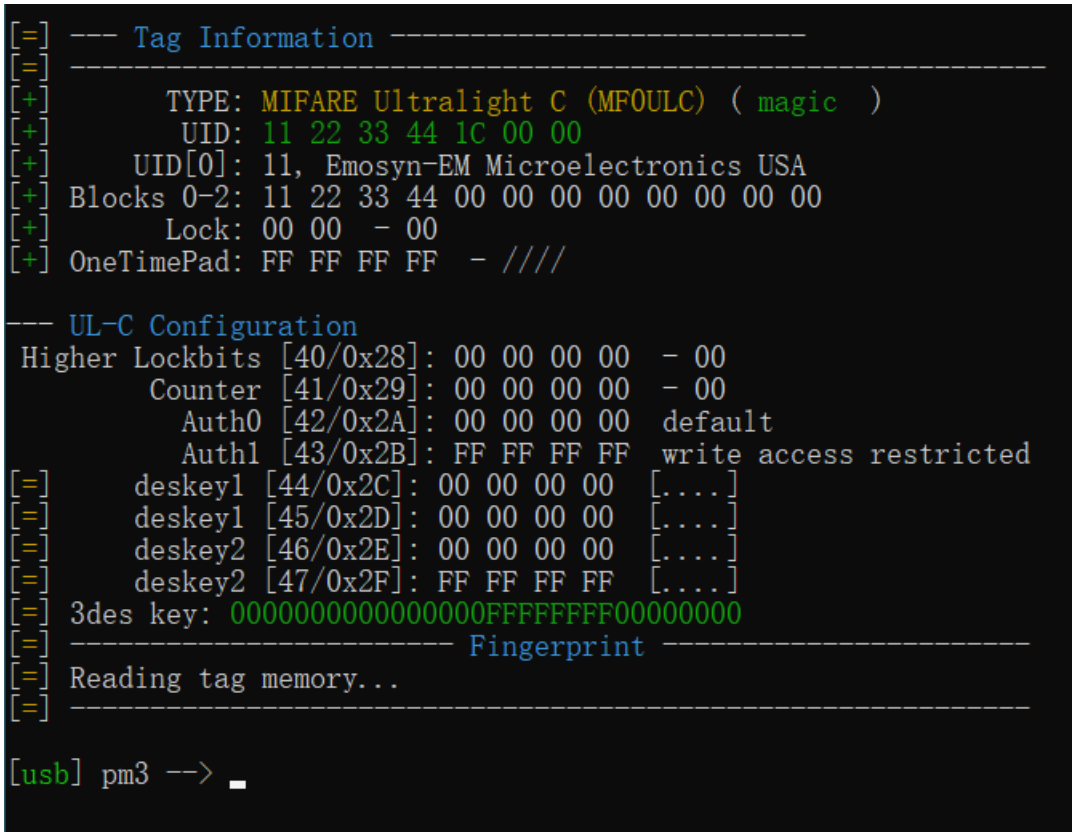

C:\Windows\system32\cmd.exe
[=] 185/0xB9 | 00 00 00 00 | 0 | ....
[=] 186/0xBA | 00 00 00 00 | 0 | ....
[=] 187/0xBB | 00 00 00 00 | 0 | ....
[=] 188/0xBC | 00 00 00 00 | 0 | ....
[=] 189/0xBD | 00 00 00 00 | 0 | ....
[=] 190/0xBE | 00 00 00 00 | 0 | ....
[=] 191/0xBF | FF FF FF FF | 0 | ....
[=] 192/0xC0 | 00 00 00 00 | 0 | ....
[=] 193/0xC1 | 00 00 00 00 | 0 | ....
[=] 194/0xC2 | 00 00 00 00 | 0 | ....
[=] 195/0xC3 | 00 00 00 00 | 0 | ....
[=] 196/0xC4 | 00 00 00 00 | 0 | ....
[=] 197/0xC5 | 00 00 00 00 | 0 | ....
[=] 198/0xC6 | 00 00 00 00 | 0 | ....
[=] 199/0xC7 | 00 00 00 00 | 0 | ....
[=] 200/0xC8 | 00 00 00 00 | 0 | ....
[=] 201/0xC9 | 00 00 00 00 | 0 | ....
[=] 202/0xCA | 00 00 00 00 | 0 | ....
[=] 203/0xCB | 00 00 00 00 | 0 | ....
[=] 204/0xCC | 00 00 00 00 | 0 | ....
[=] 205/0xCD | 00 00 00 00 | 0 | ....
[=] 206/0xCE | 00 00 00 00 | 0 | ....
[=] 207/0xCF | FF FF FF FF | 0 | ....
[=] 208/0xD0 | 00 00 00 00 | 0 | ....
[=] 209/0xD1 | 00 00 00 00 | 0 | ....
[=] 210/0xD2 | 00 00 00 00 | 0 | ....
[=] 211/0xD3 | 00 00 00 00 | 0 | ....
[=] 212/0xD4 | 00 00 00 00 | 0 | ....
[=] 213/0xD5 | 00 00 00 00 | 0 | ....
[=] 214/0xD6 | 00 00 00 00 | 0 | ....
[=] 215/0xD7 | 00 00 00 00 | 0 | ....
[=] 216/0xD8 | 00 00 00 00 | 0 | ....
[=] 217/0xD9 | 00 00 00 00 | 0 | ....
[=] 218/0xDA | 00 00 00 00 | 0 | ....
[=] 219/0xDB | 00 00 00 00 | 0 | ....
[=] 220/0xDC | 00 00 00 00 | 0 | ....
[=] 221/0xDD | 00 00 00 00 | 0 | ....
[=] 222/0xDE | 00 00 00 00 | 0 | ....
[=] 223/0xDF | FF FF FF FF | 0 | ....
[=] 224/0xE0 | 00 00 00 00 | 0 | ....
[=] 225/0xE1 | 00 00 00 00 | 0 | ....
[=] 226/0xE2 | 00 00 00 00 | 0 | ....
[=] 227/0xE3 | 00 00 00 00 | 0 | ....
[=] 228/0xE4 | 00 00 00 00 | 0 | ....
[=] 229/0xE5 | 00 00 00 00 | 0 | ....
[=] 230/0xE6 | 00 00 00 00 | 0 | ....
[=] ----------
[=] Using UID as filename
[+] saved 980 bytes to binary file hf-mfu-11223300000000-dump-41.bin
[+] saved to json file hf-mfu-11223300000000-dump-41.json
[usb] pm3 -->

Ultralight-C




C:\Windows\system32\cmd.exe
ulc_requestAuthentication:11
[+] TYPE: MIFARE Ultralight C (MFOULC) (magic)
[+] Reading tag memory...
[=] MFU dump file information
[=] --
[=] Version | 00 00 00 00 00 00 00 00
[=] TBD 0 | 00 00
[=] TBD 1 | 00
[=] Signature | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
[=] Counter 0 | 00 00 00
[=] Tearing 0 | 00
[=] Counter 1 | 00 00 00
[=] Tearing 1 | 00
[=] Counter 2 | 00 00 00
[=] Tearing 2 | 00
[=] Max data page | 46 (188 bytes)
[=] Header size | 56
[=] --
[=] block# | data |lck| ascii
[=] ---------+-------------+---+------
[=] 0/0x00 | 11 22 33 44 | | .″3D
[=] 1/0x01 | 00 00 00 00 | | ....
[=] 2/0x02 | 00 00 00 00 | | ....
[=] 3/0x03 | FF FF FF FF | 0 | ....
[=] 4/0x04 | 00 00 00 00 | 0 | ....
[=] 5/0x05 | 00 00 00 00 | 0 | ....
[=] 6/0x06 | 00 00 00 00 | 0 | ....
[=] 7/0x07 | FF FF FF FF | 0 | ....
[=] 8/0x08 | 00 00 00 00 | 0 | ....
[=] 9/0x09 | 00 00 00 00 | 0 | ....
[=] 10/0x0A | 00 00 00 00 | 0 | ....
[=] 11/0x0B | FF FF FF FF | 0 | ....
[=] 12/0x0C | 00 00 00 00 | 0 | ....
[=] 13/0x0D | 00 00 00 00 | 0 | ....
[=] 14/0x0E | 00 00 00 00 | 0 | ....
[=] 15/0x0F | FF FF FF FF | 0 | ....
[=] 16/0x10 | 00 00 00 00 | 0 | ....
[=] 17/0x11 | 00 00 00 00 | 0 | ....
[=] 18/0x12 | 00 00 00 00 | 0 | ....
[=] 19/0x13 | FF FF FF FF | 0 | ....
[=] 20/0x14 | 00 00 00 00 | 0 | ....
[=] 21/0x15 | 00 00 00 00 | 0 | ....
[=] 22/0x16 | 00 00 00 00 | 0 | ....
[=] 23/0x17 | FF FF FF FF | 0 | ....
[=] 24/0x18 | 00 00 00 00 | 0 | ....
[=] 25/0x19 | 00 00 00 00 | 0 | ....
[=] 26/0x1A | 00 00 00 00 | 0 | ....
[=] 27/0x1B | FF FF FF FF | 0 | ....
[=] 28/0x1C | 00 00 00 00 | 0 | ....


C:\Windows\system32\cmd.exe
[=] 17/0x11 | 00 00 00 00 | 0 | ....
[=] 18/0x12 | 00 00 00 00 | 0 | ....
[=] 19/0x13 | FF FF FF FF | 0 | ....
[=] 20/0x14 | 00 00 00 00 | 0 | ....
[=] 21/0x15 | 00 00 00 00 | 0 | ....
[=] 22/0x16 | 00 00 00 00 | 0 | ....
[=] 23/0x17 | FF FF FF FF | 0 | ....
[=] 24/0x18 | 00 00 00 00 | 0 | ....
[=] 25/0x19 | 00 00 00 00 | 0 | ....
[=] 26/0x1A | 00 00 00 00 | 0 | ....
[=] 27/0x1B | FF FF FF FF | 0 | ....
[=] 28/0x1C | 00 00 00 00 | 0 | ....
[=] 29/0x1D | 00 00 00 00 | 0 | ....
[=] 30/0x1E | 00 00 00 00 | 0 | ....
[=] 31/0x1F | FF FF FF FF | 0 | ....
[=] 32/0x20 | 00 00 00 00 | 0 | ....
[=] 33/0x21 | 00 00 00 00 | 0 | ....
[=] 34/0x22 | 00 00 00 00 | 0 | ....
[=] 35/0x23 | FF FF FF FF | 0 | ....
[=] 36/0x24 | 00 00 00 00 | 0 | ....
[=] 37/0x25 | 00 00 00 00 | 0 | ....
[=] 38/0x26 | 00 00 00 00 | 0 | ....
[=] 39/0x27 | FF FF FF FF | 0 | ....
[=] 40/0x28 | 00 00 00 00 | 0 | ....
[=] 41/0x29 | 00 00 00 00 | 0 | ....
[=] 42/0x2A | 00 00 00 00 | 0 | ....
[=] 43/0x2B | FF FF FF FF | 0 | ....
[=] 44/0x2C | 00 00 00 00 | 0 | ....
[=] 45/0x2D | 00 00 00 00 | 0 | ....
[=] 46/0x2E | 00 00 00 00 | 0 | ....
[=] 47/0x2F | FF FF FF FF | 0 | ....
[=] ---------------------------------
[=] Using UID as filename
[+] saved 248 bytes to binary file hf-mfu-11223300000000-dump-42.bin
[+] saved to json file hf-mfu-11223300000000-dump-42.json
[usb] pm3 --> hf mfu in
continue to rduid
ulev1_getVersion Len:-1
do UL_C check first...
ulc_requestAuthentication:11
[=] --- Tag Information ---------------------------
[=] --
[+]   TYPE: MIFARE Ultralight C (MF0ULC) (magic)
[+]   UID: 11 22 33 44 1C 00 00
[+]   UID[0]: 11, Emosyn-EM Microelectronics USA
[+] Blocks 0-2: 11 22 33 44 00 00 00 00 00 00 00 00


[=] --- Tag Information ---
[=]
[+] TYPE: MIFARE Ultralight C (MF0ULC) (magic)
[+] UID: 11 22 33 44 1C 00 00
[+] UID[0]: 11, Emosyn-EM Microelectronics USA
[+] Blocks 0-2: 11 22 33 44 00 00 00 00 00 00 00 00
[+] Lock: 00 00 - 00
[+] OneTimePad: FF FF FF FF - ////
--- UL-C Configuration
Higher Lockbits [40/0x28]: 00 00 00 00 - 00
Counter [41/0x29]: 00 00 00 00 - 00
Auth0 [42/0x2A]: 00 00 00 00 default
Auth1 [43/0x2B]: FF FF FF FF write access restricted
[=] deskey1 [44/0x2C]: 00 00 00 00 [....]
[=] deskey1 [45/0x2D]: 00 00 00 00 [....]
[=] deskey2 [46/0x2E]: 00 00 00 00 [....]
[=] deskey2 [47/0x2F]: FF FF FF FF [....]
[=] 3des key: 00000000000000000FFFFFFFF00000000
[=] ---------- Fingerprint ----------
[=] Reading tag memory...
[=]
[usb] pm3 -->