Bluetooth Project Experience X

Abstract :

Objectification of the existence of detectable MAC addresses over the Bluetooth frequency range following inoculation of COVID antigen therapy and COVID detection PCR test.

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Source link:

https://ln5.sync.com/dl/195df4a10/5ab9apq6-q5vgawam-vgr3ktt9-7zr985rh

1 / Foreword

Since April 2021 rumors have spread on social networks concerning the appearance of bluetooth-type signals following one or more anti-covid injections offered by pharmaceutical companies:

- Astra Zeneca
- Pfizer
- Johnson and Johnson
- Moderna

Many videos have circulated which seem to highlight the appearance of disturbing phenomena, namely:

- Unexplained magnetization phenomena on different sites of the body of injected people (which gave rise to an explosion of publications on TikTok grouped around a community movement, The Magnet Challenge).

https://www.youtube.com/watch?v=lYi3sjRZviA

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- The appearance of Bluetooth MAC addresses in the presence of injected people and in the absence of any technological device likely to explain these appearances.

https://www.youtube.com/watch?v=q1VCRZNaHLE

- The appearance of signals during a scan carried out on the body of a person injected by means of animal microchip detection equipment commonly used by veterinarians.

https://www.tiktok.com/@jasmine_0708/video/6974140084870237445

All these rumors were denied by the mainstream media and traditional news agencies even though in the alternative networks many empirical experiments carried out by ordinary citizens seemed to prove the contrary.

https://www.reuters.com/article/factcheck-astrazeneca-bluetooth-idUSL2N2NC2G9

https://www.20minutes.fr/sante/3067959-20210623-coronavirus-non-vaccins-permettreetredetecte-bluetooth-gare-videos-trompeuses

However, empirical citizen experiences are multiplying:

https://henrymakow.wordpress.com/2021/09/17/le-vaccin-contient-votre-code-barres/

https://echelledejacob.blogspot.com/2021/11/vaccines-et-puce-bluetooth-mise-jour.html

https://www.youtube.com/watch?v=q1VCRZNaHLE

https://odysee.com/@Hemeroteca:f/DrDeBenito-mac-address--:7

https://odysee.com/@Pigeon_Pige-TouT_Traduction:6/bluetooth-2:e

In France, the first documented experiment on the subject was the subject of an article published in Agoravox

(https://www.agoravox.fr/tribune-libre/article/operation-dent-bleue-235064)

However, as Jérôme R. responsible for the publication of the article underlines, even if the results obtained are questionable (many unidentified MAC addresses appear), it could not be a question of drawing a hasty conclusion.

Indeed, the experimental ground was a public garden from which could originate many legitimate signals emanating from devices not taken into account and its detection equipment (An Archos mobile phone running Android) could also be the object of potential flaws in the detection

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Obviously, these experiments, which only show a final result, were not part of any assumed protocol, did not in any way allow the reliability of the results to be demonstrated.

At the same time, numerous studies have been carried out to objectify the presence of graphene oxide or one of its derivatives in the composition of the vaccine.

It is important to understand that graphene oxide has been the subject of a plethora of studies around its unique physicochemical and electromagnetic properties.

Commercial applications are already available:

https://www.youtube.com/watch?v=SMB2I_bq0zc&feature=youtu.be

At the same time, there are official patent filings aimed at developing nanotechnologies implanted in the human body, such as nanosensors, or various devices using electromagnetic radiation allowing all kinds of potential applications.

https://patents-googlecom.translate.goog/patent/US4717343? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US3951134? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US5159703? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US5507291? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US6017302? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US6052336? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US6506148B2/en? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US10300240B2/en? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

https://patents-googlecom.translate.goog/patent/US5629678A/en? _x_tr_sl=auto&_x_tr_tl=fr&_x_tr_hl=fr

Finally, faced with the secret nature of the composition of the injections as well as the negotiated impunity of pharmaceutical companies with regard to the possible undesirable effects linked to the injections, certain studies have emerged highlighting disturbing elements:

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https://corona2inspect.blogspot.com/2021/11/identificacion-patrones-vacunascoronavirusnanorouters.html

https://www.researchgate.net/publication/356507702_MICROSTRUCTURES_IN_COVID_VACCINES_i norganic_crystals_or_Wireless_Nanosensors_Network

https://corona2inspect.blogspot.com/2021/09/redes-nanocomunicacioninalambricananotecnologia-cuerpo-humano.html

https://drive.google.com/file/d/1M5T_pa4d87vznN0r0IUpjrSb07sqO9vh/view?usp=drivesdk

2 / Hardware environment and technical configuration.

For this experiment, it was chosen to work with an Ubertooth one antenna from Great Scott Gadgets, the technical specifications of which are below:

- RP-SMA connector (intended to connect the Bluetooth antenna)
- CC2400 Full duplex 2.4 GHz wireless transmission module
- CC 2591 front end RF module
- LPC175x ARM Cortex-M3 microcontroller
- Full-speed USB 2.0 connection
- Bluetooth and Bluetooth Low Energy support
- Approximate amperage of 220mA

It can send and receive packets at 2.4 GHz, which is the frequency of Bluetooth, but also see Bluetooth traffic in real time in monitor mode. The device is comparable to a Class 1 Bluetooth module, i.e. it has a maximum power of 100 mW (20 dBm) and a range of 100 meters without obstacles.



Regarding the laptop, our choice fell on a machine:

Hp EliteBook 820 G3: Project Bluetooth Experience X

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- Intel Core I7-6600U processor (2.6 Ghz)
- RAM memory: 16 GB DDR3
- Intel HD Graphics 520 graphics card
- 240 GB SSD hard drive.



The Bare metal installer 2021-3 version of Kali linux has been downloaded from:<u>https://kali.download/base-images/kali-2021.3/kali-linux-2021.3-installer-amd64.iso.torrent</u>

In ISO file.

It was mounted on a classic 32 GB USB key as a bootable disk image via the Rufus application (<u>https://rufus.ie/en/</u>)

Once the Kali linux OS installed on the machine, an upgrade of the latter was carried out (

sudo apt-get update

sudo apt-get upgrade.

As no conflict was detected, the machine was restarted.

The Ubertooth project is an Open Source project.

The full code is available on Git.

So we started by installing the various necessary packages:

sudo apt-get install cmake libusb-1.0-0-dev make gcc g ++ libbluetooth-dev \

pkg-config libpcap-dev python-numpy python-pyside python-qt4

Followed by a classic update:

sudo apt-get update

sudo apt-get upgrade

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We then proceeded to install the latest version of libbtbb.

sudo ldconfig

wget https://github.com/greatscottgadgets/libbtbb/archive/2020-12-R1.tar.gz -O libbtbb-2020-12-R1.tar.gz

tar xf libbtbb-2020-12-R1.tar.gz

cd libbtbb-2020-12-R1

mkdir build

cd build

cmake ..

make

sudo make install

sudo apt-get update

sudo apt-get upgrade

Then we installed the Ubertooth tools:

wget https://github.com/greatscottgadgets/ubertooth/releases/download/2020-12-R1/ ubertooth-2020-12-R1.tar.xz -O ubertooth-2020-12-R1.tar.xz

tar xf ubertooth-2020-12-R1.tar.xz

cd ubertooth-2020-12-R1 / host

mkdir build

cd build

cmake ..

make

sudo make install

sudo apt-get update

sudo apt-get upgrade

We then proceeded to the Ubertooth One firmware update:

cd ubertooth-2020-12-R1 / ubertooth-one-firmware-bin

sudo ubertooth-dfu -d bluetooth_rxtx.dfu -r

cd ../ ..

sudo apt-get update

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sudo apt-get upgrade

We carried out the control thanks to the command:

ubertooth-util -v

Who referred us:

Firmware version: 2020-12-R1 (API: 1.07)

We therefore connected the Bluetooth antenna to the motherboard of the Ubertooth one and plugged the latter into a USB port of the machine and launched the command:

ubertooth-specan-ui

Who opened a window for us:



Once the device was configured and functional, we closed the window and proceeded to install the plugins.

We started by installing the wireshark plugins:

sudo apt-get install wireshark wireshark-dev libwireshark-dev cmake cd libbtbb-2020-12-R1 / wireshark / plugins / btbb mkdir build cd build cmake -DCMAKE_INSTALL_LIBDIR = / usr / lib / x86_64-linux-gnu / wireshark / libwireshark3 / plugins .. make sudo make install cd libbtbb-2020-12-R1 / wireshark / plugins / btbredr mkdir build cd build Bluetooth project X experience Version 1 - Revision 2

cmake -DCMAKE_INSTALL_LIBDIR = / usr / lib / x86_64-linux-gnu / wireshark / libwireshark3 / plugins ..

make

sudo make install

sudo apt-get update

sudo apt-get upgrade

Then we proceeded to configure Kismet.

To do this we started by removing all the pre-existing configurations:

sudo rm -rfv / usr / local / bin / kismet * / usr / local / share / kismet * / usr / local / etc / kismet *

We then proceeded to install and update the necessary packages:

python -m pip install --upgrade pip

pip install libpcap

sudo apt-get install libcap-dev pkg-config \

build-essential libnl-dev libncurses-dev libpcre3-dev \

libpcap-dev libcap-dev

In order to install the latest version of kismet.

wget -O - https://www.kismetwireless.net/repos/kismet-release.gpg.key | sudo apt-key add -

\$ echo 'deb https://www.kismetwireless.net/repos/apt/release/kali kali main' | sudo tee /etc/ apt/sources.list.d/kismet.list

wget http://www.kismetwireless.net/code/kismet-2021-08-R1.tar.gz

tar xf kismet-2021-08-R1.tar.gz

sudo mv kismet-2021-08-R1 / usr / src / kismet

In -s ../ubertooth-2021-08-R1/host/kismet/plugin-ubertooth / usr / src / kismet

cd / usr / src / kismet

sudo ./configure

sudo make && sudo make plugins

sudo make suidinstall

sudo make plugins-install

cd ~

sudo apt-get update

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sudo apt-get upgrade

sudo apt install kismet-core kismet-capture-linux-bluetooth kismet-capture-linux-wifi kismetcapture-nrf-mousejack python-kismetcapturertl433 python-kismetcapturertladsb pythonkismetcapturertlamr python-kismetcapture freaktabs-logtabs -zigteaktabs ~

sudo apt-get update

sudo apt-get upgrade

sudo apt install kismet-capture-linux-bluetooth

We switched the machine off and on again, then carried out the usual checks.

When launching kismet via the command

sudo kismet

A window opens asking us to define a login and a password.

SET LOGIN		×						
To finish setting up H information, adding	To finish setting up Kismet, you need to configure a login. This login is used for changing server settings, accessing sensitive information, adding datasources, and other privileged actions.							
This login will be sto running as dragorn,	This login will be stored in .kismet/kismet_httpd.conf in the <i>home directory of the user who launched Kismet</i> , This server is running as dragorn, and the login will be saved in ~dragorn/.kismet/kismet_httpd.conf.							
Set Login								
User name:								
Password:								
Confirm:	() ()	Username required						
Save								

What we have done.

Then we selected ubertooth one in the Data Sources list:

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We tested the application: It is perfectly functional.

We then configured Wireshark to allow Bluetooth packet capture.

To do this we have configured a pipe:

mkfifo / tmp / pipe

Then we opened wireshark from the command:

sudo wireshark

In the window that opened we clicked on capture -> Options-> Manage interfaces -> Pipe -> New where we entered in the "pipe" field:

/ tmp / pipe

terface	Traffic	Link-layer Header	Promis	Snaplen (B)	Buffer (MB)	Monitor Mode	Capture Filter
Ethernet	h	Ethernet		default	2		not tcp port 3389
Addresses: fe80::f470:40df:40	b7:2bd5, 2601:200:c001:	d44:d871:334d:eef2:2297, 2601:200:c00	01:d44:f470:40	0df:40b7:2bd5, 19	2.168.11.34		
Adapter for loopback traffic cap	ture		\checkmark	default	2	—	
Cisco remote capture		Remote capture dependent	DLT —	_	_	_	
SSH remote capture		Remote capture dependent	DLT —	_	_	_	
Enable promiscuous mode on all inter	faces						Manage Interfaces

Finally on the terminal we entered the command:

ubertooth-btle -f -c / tmp / pipe Bluetooth project X experience

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In the sources we have chosen bluetooth and launched the capture: perfectly functional.

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3 / Preliminary tests

On 10/16/2021 around 9:30 a.m. we carried out preliminary tests in an open-air field near the town of Chabournay.

The exact GPS coordinates of the site are as follows: 46 ° 44'49.6"N 0 ° 13'32.0"E.



The red dot marks the place where the detection station has been installed.

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The area is located on cartoradio:



The location of the experiment is indicated by a red dot in a red square.

The various highlighted sites correspond to relay antennas whose characteristics are accessible <u>here</u>.

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3/1 The pre-tests

The antenna is connected, the servers activated.

The protocol starts.



The candidates start from the blue point and follow the path (small green dots) towards the detection station (red dot).

In a number of cases, Bluetooth signals are activated spontaneously about 30 meters from the station (purple dot)

The pre-test is conclusive and functional, making it possible to validate the test protocol planned for the next day.

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3/2 Course of the experience

The experiment takes place on 10/17/2021 in the town of Cognac La forêt.



A Cartoradio location gives the following topography:

The various highlighted sites correspond to relay antennas whose characteristics are accessible **here**.

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A reconnaissance of the places leads us to install the detection equipment at the location indicated on the map.



3/2/1 technical preparation

The cameras are carefully configured and the personnel likely to intervene in the detection zone are tested one after the other.

The following instructions were given to them:

- No cell phone
- No connected watch
- No connected equipment (headset, headset, etc.)

Once these prerequisites have been met, they take the test several times in a row:

- Alone and without material
- Alone with equipment switched off
- Only with shooting equipment switched on.

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Cameras and sound recording equipment are wired and transmission systems are all disabled.

As a result of these adjustments, two additional passages are made to objectify the total absence of detected signal.

3/2/2 Progress of the experiment

At the same time, applicants are grouped together at the reception area (near the parking area) and a questionnaire is given to them to complete.

They all receive the same instructions and a person physically checks the execution of the instructions.

One by one, they follow the route identified in purple as "volunteer route".

The purple dots mark the places where the different signals appeared.

3/2/3 Results obtained

The table below gives the order in which the signals appear.

Hourly	Pass number	Signal detection	Code found	Code found	YES	Parasite?	Identification
10:16							
10:21	1	No	None			nothing	
10:26	2	Yes	53: cd: 58: dd: 53: d2		Unknow not	nothing	
					Unknow		
10:31	3	Yes	50: 76: 35: 50: 8f: 36	73: dd: d1: 6d58: f9	not	nothing	
10:36	4	No	None			nothing	
10:41	5	No	None			nothing	
10:46	6	No	None			nothing	
10:51	7	No	None			nothing	
10:56	8	No	None			nothing	
11:01	9	No	None			nothing	
11:06	10	No	None			nothing	
11:11	11	No	None			nothing	
11:16	12	No	None			nothing	
11:21	13	No	None			nothing	
11:26	14	No	None			nothing	
					Unknow		
11:31	15	Yes	6f: 12: bd: 31: 60: f9		not	nothing	
					Unknow		
11:36	16	Yes	67: 87: 07: 71: fb: ff		not	nothing	
11:41	17	No	None			nothing	

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	10				Unknow		
11:46	18	Yes	f1: 5th: 84: 4c55: 30	67: 87: 07: 71: fb: ff	not	nothing	
11:51	19	No	None			nothing	
11:56	20	No	None	None			
12:01	21	Yes	57: 58: 87: 13: a3: 98			69: f4: 76: 99: 6d: de	Android
12:06	22	No	None			nothing	
12:11	23	No	None			nothing	
12:16	24	No	None			nothing	
12:21	25	No	None			nothing	
12:26	26	No	None			nothing	
12:31	27	No	None			nothing	
12:36	28	No	None			nothing	
12:41	29	No	None			nothing	
12:46	30	No	None			nothing	
12:51	31	No	None			nothing	
12:56	32	No	None			nothing	
13:01	33	No	None			nothing	
13:06	34	No	None			nothing	
13:11	35	No	None			nothing	
13.16	36	Ves	55: la: e4: bc: ae: d9		Unknow	69: f1: 76: 99: 6d: de	Android
13.10		100	55. Id. C4. DC. dC. US			05. 14. 70. 55. 00. UE	, and old
13:21	37	No	None			69: f4: 76: 99: 6d: de	Android

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3/3 Raw analysis of the results

The first conclusions of the experiment are reported in the following summary tables:

Raw data		Issue	no emission	Doubt
Number of persons	37	7	30	2
Injected	15	6	9	2
Not injected, tested	2	1	1	0
Not injected, not tested	20	0	20	0

Either in percentage:

Percentages		Issue	no emission	Doubt
Number of persons	37	19%	81%	5%
Injected	15	40%	60%	13%
Not injected, tested	2	50%	50%	0%
Not injected, not tested	20	0%	100%	0%

This experiment therefore indisputably highlights the following elements:

- No uninjected, untested person emits a signal
- A few injected people emit signals in about 40% of cases
- Some people not injected and tested emit signals in 50% of cases.

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3/4 Further exploration

In view of these experiences, several uncertainties remain full and complete:

- The measurement time
- Potential interactions with the electromagnetic environment
- Social interactions
- The detectability of signals emanating from people not injected and tested.

A new experiment was therefore undertaken on 07/11/2021 at a different location.

This new place has the advantage of having troglodyte caves sufficiently airtight to be able to act as a Faraday cage.



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3/4/1: Course of the experiment

On the first day, the postulants were grouped together in a reception tent located on the upper part of the land more than 50 meters from the opposite of the main entrance to the caves.

The same instructions were given to them and the same strict vigilance was observed with regard to the observance of the instructions.

The distribution of applicants is as follows:

- 2 people not injected not tested
- 7 people not injected and tested
- 8 people injected

A scan was carried out upstream inside the cave which highlights the total absence of Bluetooth traffic.

The experiment takes place over two days:

Day 1

There were 16 candidates present, distributed as follows:

- 2 people not injected not tested
- 6 people not injected and tested
- 8 people injected

Day 2

Was present a candidate not injected and tested

During these two days, the protocol applied is as follows:

Each candidate identifies himself upstream, under the tent.

It is assigned a passage number.

Every 20 minutes, a new candidate presents himself in the troglodyte cave where the scanning equipment has been installed and spends 20 minutes in the latter with a view to the possible detection of a Bluetooth signal.

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3/4/2: Results of the experiment

Day 1 :

The candidates follow one another one by one.

Only one MAC address is recorded:

c4: df: 27: f9: 45: b5

This is a doubly injected person

Day 2 :

Only one candidate is present.

This is a person not injected but muti tested by PCR tests (about 70 tests)

Two Mac addresses appear simultaneously with almost identical references:

4c: 64: fd: da: fc: 5f

4c: 64: fd: da: fc: 9f

In view of these results, we chose to continue the experiment.

We have turned the kismet server off and on again.

The signals received no longer appear.

We then went up to the stage, under the tent to test a possible reactivation of the signal in the presence of a less protected environment.

After 20 minutes of scanning no new signal appears.

We then asked the candidate to undergo some physical exercises in order to verify a potential relationship between the body energy released by the candidate and a signal activation.

After 20 minutes of scanning no new signal appears.

We then asked someone from the team to gradually bring the candidate's cell phone (Samsung) closer in order to start checking for possible man-portable interactions.

No particular activity is detected with the notebook in off mode.

We renewed the experience with the laptop in airplane mode.

No particular activity is detected with the notebook in off mode.

We repeated the experiment with the cell phone in normal mode, bluetooth off.

No particular activity is detected with the laptop in this configuration.

We then activated the bluetooth of the candidate's device.

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Bluetooth is detected, strictly normal traffic takes place, no suspicious MAC address appears.

We then brought a second cell phone (Also a Samsung) in normal mode, bluetooth enabled.

The devices communicate coherently with each other and no additional MAC address appears.

Finally, in order to retrieve additional data, we continued to scan the traffic in the ambient environment, the candidate returning to the interior of the house in which 6 mobile phones were present in various conditions, an internet box with 2 wifi relays.

We gradually turned off all the devices and then turned them back on one by one.

It should be noted that out of all the people present, only the candidate was tested by PCR.

Strictly normal traffic is noted, which corresponds to the exchange of data between the different devices.

There is also a significant number of invalid frames and unknown or uninterpretable packets with the Wire Shark software.

We can therefore reasonably conclude that both injected and tested people emit signals outside of any activation induced by an environmental electromagnetic field.

However, these signals do not seem constant over time and their activation seems to depend on conditions that remain to be defined.

(See conclusions and perspectives below.)

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4 / Use of raw data

4/1 Reminder of the context

During these experiments, we were able to observe and capture the exchanges (frames) emitted by unknown devices in places devoid of any signals.

During these experiments which did not have the necessary material for a complete analysis, we performed a scan employing a scanning mode using Ubertooth equipment.

This card allowed us to scan all the frequencies used by the Bluetooth protocol.

BTLE in its version 5 has 40 channels which have been scanned in turn and at regular intervals.

The Bluetooth BTLE protocol is commonly used for many applications and so we started with the exploration of classic construction methods relying on this technology.

Many resources exist.

For exemple :

https://www.bluetooth.com/bluetooth-resources/intro-to-bluetooth-low-energy-coded-phy/

4/2 Volume of information retrieved

During the first experiment, 37 participants followed one another which allowed the capture of a total of 43,043 frames.

During the complementary experiment, 17 participants followed one another, which enabled the capture of a total of 30,120 frames.

This gives us a total of 73,163 frames recovered over 6 hours and a half of scanning from 34 people. (People not injected and not tested excluded).

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2 8.046721			LE LL	24 Unknown[Malformed Packet]	
3 27 607///3	1f:a6:55:e0:2a:49 48:0a:b8:3c:2b:3a	Broadcast 88.e6.46.30.6f.70	LE LL	27 Unknown[Malformed Packet] 44 Unknown[Malformed Packet]	
4 44.129321	a0:09:df:19:b2:2e	Broadcast	LE LL	53 Unknown[Malformed Packet]	
5 64.479816			LE LL	29 Unknown[Malformed Packet]	
7 332.152347			LE LL	59 Unknown[Malformed Packet]	
8 349.427467			LE LL	55 Unknown[Malformed Packet]	
10 747.384849	0e:01:c8:1a:76:ec	Broadcast	LE LL	40 AUX CONNECT RSP[Malformed Packet]	
11 944.413346			LE LL	51 Unknown[Malformed Packet]	
12 1033.379559 13 1034.229202			LE LL LE LL	57 Unknown[Malformed Packet] 22 Unknown[Malformed Packet]	
14 1587.518508	bd:08:25:e5:5e:97	5a:b6:b1:8b:32:83	LE LL	36 Unknown[Malformed Packet]	
15 1719.226745	61:b6:db:ed:95:0f	Broadcast	LE LL	45 Unknown[Malformed Packet] 40 Unknown[Malformed Packet]	
17 1762.492199	c5:07:a7:32:4f:4f	Broadcast	LE LL	52 Unknown[Malformed Packet]	
18 1762.539511	45:05:d9:82:5b:a7	Broadcast	LE LL	52 Unknown	
20 1762.585510	c5:07:f2:82:4d:67	Broadcast Broadcast	LE LL	52 Unknown[Malformed Packet] 52 Unknown	
21 1762.611218	c5:07:f2:82:4d:67	Broadcast	LE LL	52 Unknown	
22 1762.657599	c5:07:f2:82:4d:67	Broadcast	LE LL	52 Unknown	
* Erame 1: 24 bytes or	n wire (102 hits) 24 hyt	es contured (102 hits) on	interface ubertooth-f	id A	
Bluetooth	n wire (152 bits), 24 byt	es captured (152 b1ts) on	Internace uper cootin-e	, 10 0	
Bluetooth Low Energy	y RF Info				
Malformed Packet: 8	BT LE LL]				
0000 25 9c 00 00 d6 b	be 89 8e 23 00 d6 be 89	8e 71 c5 %····· #····	· q ·		
0010 53 13 40 04 25 0	ba ca 2a	2.W.8			
🔵 🍸 🛛 Time shift applied t	to this packet (frame.offset_shift)				Paquets: 30120 · Affichés: 30120 (100.0%)
No. Timo	Course	Destination	Protocol Longth	Info	
No. Time	Source	Destination	Protocol Length	Info 31 Unknown[Malformed Packet]	
No. Time 1 0.000000 2 156.892293	Source 0f:1b:24:25:77:4c c4:7a:e8:bb:25:28	Destination Broadcast Broadcast	Protocol Length LE LL LE LL	Info 31 Unknown[Malformed Packet] 35 Unknown[Malformed Packet]	
No. Time 1 0.000000 2 156.892293 3 214.975540	Source 0f:1b:24:25:77:4c c4:7a:e8:bb:25:28	Destination Broadcast Broadcast	Protocol Length LE LL LE LL LE LL	Info 31 Unknown[Malformed Packet] 35 Unknown[Malformed Packet] 23 Unknown[Malformed Packet]	
No. Time 1 0.000000 2 156.892293 3 214.975540 4 278.172317 5 270.046300	Source 0f:1b:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:45:b3:18	Destination Broadcast Broadcast	Protocol Length LE LL LE LL LE LL LE LL PT Mech PR-	Info 31 Unknown (Malformed Packst) 35 Unknown (Malformed Packst) 20 Unknown (Malformed Packst) 30 Unknown (Malformed Packst) 45 Transaction Constitution	
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No. Time 1 0.000000 2 156.892293 3 214.975540 4 278.172317 5 279.046399 6 400.973496 7 402.266691	Source 0f:1b:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d4:56:a9:45:6a:31	Destination Broadcast Broadcast Broadcast Broadcast Broadcast	Protocol Length LE LL LE LL LE LL LE LL BT Mesh PB LE LL LE LL	Info 31 Unknown (Malformed Packet) 35 Unknown (Malformed Packet) 30 Unknown (Malformed Packet) 30 Unknown (Malformed Packet) 55 Unknown (Malformed Packet) 55 Unknown (Malformed Packet)	
No. Time 1 0.800000 2 156.802293 3 214.975540 4 278.172317 5 279.046399 6 460.973496 7 402.266691 8 403.557693 9 466.137040	Source 0f:1b:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d4:56:a9:45:6a:31 d4:56:a9:41:6a:31 d4:56:a9:41:6a:31	Destination Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast	Protocol Length LE LL LE LL LE LL BT Mesh PB LE LL LE LL LE LL LE LL	Info 35 Unknown (Malformed Packet) 35 Unknown (Malformed Packet) 30 Unknown (Malformed Packet) 30 Unknown (Malformed Packet) 55 Unknown (Malformed Packet) 55 Unknown (Malformed Packet) 55 Unknown	
No. Time 1 6.080000 2 156.02223 3 214.975540 4 278.172317 5 279.046399 6 409.973496 7 402.266691 8 403.557693 9 406.137940 10 407.427118	Source of:1b:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d4:56:a9:41:6a:31 d4:56:a9:41:6a:31 d4:56:a9:41:6a:31	Destination Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast	Protocol Length LE LL LE LL LE LL BT Mesh PB LE LE LL	Info 31 Unknown (Halformed Packet) 35 Unknown (Halformed Packet) 30 Unknown (Halformed Packet) 36 Unknown (Halformed Packet) 55 Unknown (Halformed Packet) 55 Unknown 55 Unknown	
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No. Time 1 0.00000 2 156.892233 3 214.97540 4 278.172337 5 201.97540 7 492.266601 8 403.557603 9 406.137940 10 67.427118 11 408.721744 12 410.104743 13 411.307320 14 417.47753 15 422.908382 16 424.195763	Source 01:10:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31	Destination Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast Broadcast	Protocol Length LE LL LE	Info 31 Unknown [Ralformed Packet] 35 Unknown [Ralformed Packet] 30 Unknown [Ralformed Packet] 30 Unknown [Ralformed Packet] 55 Unknown [Salformed Packet] 55 Unknown 55 Unknown 55 Unknown 55 Unknown 55 Unknown 55 Unknown 55 Unknown 55 Unknown 55 Unknown	
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No. Time 1 0.001001 2 154, 09223 3 279, 04639 4 279, 172317 5 279, 04639 6 600, 973496 7 402, 266691 10 67, 472118 11 408, 721743 13 411, 39720 14 417, 74713 15 422, 908382 16 424, 195783 17 425, 468372 18 428, 671625 19 423, 365766 20 353, 656763 20 353, 657663	Source 07:15:24:25:77:4c c4:7a:68:1b:25:28 4b:1b:67:05:25:10 d4:56:a9:41:6a:31 d5:36:a9:41:6a:31	Destination Broadcast	Protocol Length LE LL LE LL LE LL BT Mesh PB LE LE LL L	Info 31 Unknown (Halformed Packet) 33 Unknown (Halformed Packet) 33 Unknown (Halformed Packet) 36 Transaction Continuition 35 Unknown (Halformed Packet) 35 Unknown (Halformed Packet) 35 Unknown 35 U	
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No. Time 1 0:001000 2 136, 892233 3 239, 72237 5 279, 046399 6 408, 972436 7 402, 266691 8 403, 557693 9 406, 137949 10 407, 427118 11 408, 721744 12 416, 014949 13 417, 747753 15 422, 998382 16 424, 195783 17 425, 408372 18 428, 071655 19 429, 365766 20 439, 657688 21 431, 47614 12 439, 049867 21 434, 496763 4 Frame 1: 31 bytes on Therface dass fragestation bytes 10 Frame 1: 31 bytes of 10 Frame 1: 31 bytes of 11 Time: 16344 11 fine detta from	Source 07:10:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d5:30:41:6a:31 d5:3	Destination Broadcast	Protocol Length LE LL LE LL LE LL E LL E LL E LL E LL LE	Info 31 Unknown [Helformed Packet] 32 Unknown [Helformed Packet] 33 Unknown [Kelformed Packet] 30 Unknown [Kelformed Packet] 55 Unknown [Kelformed Packet] 55 Unknown [Si Unknown] 55 Unknown] 55 Unknown [Si Unknown] 55 Unknown] 55 Unknown [Si Unknown] 55 Unknown] 55 Unknown] 55 Unknown [Si Unknown] 55 Unknown] 56 Unknown] 56 Unknown] 56 Unknown] 56 Unknown] 57 Unknown] 57 Unknown] 57 Unknown] 58 Unknown] 58 Unknown] 58 Unknown] 58 Unknown] 58 Unknown] 59 Unknown] 50 Unkn	
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No. Time 1 0.00000 2136.092203 2 136.092203 214.79540 4 279.172330 60000 5 090.973406 7402.266631 8 403.557693 943.557693 9 406.137940 1007.427118 1 408.721744 12410.014943 1 411.307320 14 417.74753 1 42.401852 19429.365760 2 430.657683 2035760 2 430.657682 24 430.96673 2 440.96673 24 440.96673 4 440.96674 11477472 4 440.96673 11477474 4 440.96673 11477474 4 440.96673 11477474 4 440.96673 11477474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 11747474 4 440.96673 117474744 4	Source 0f:10:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:10: d4:56:a9:41:6a:31 d5:45:41:6a:31 d5:45:41:6a:31 d5:45:41:6a:41 d5:45:41:6a:41:6a:41 d5:45:41:6a:41 d5:45:41:6a:41	Destination Broadcast	Protocol Length LE LL Matrian LL LE	Info 31 Unknown [Relformed Packet] 33 Unknown [Relformed Packet] 30 Unknown [Relformed Packet] 30 Unknown [Relformed Packet] 35 Unknown [Selformed Packet] 35 Unknown 40 [Relformed Packet] 35 Unknown 40 [Relformed Packet] 35 Unknown 41 [Reformed Packet] 35 Unknown 45 Unknown	
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No. Time 1 0.00000 214.97547 2 136.89223 213.97547 3 214.97547 427.9669 4 00.79547 427.9669 7 402.26669 8 403.57693 9 406.137940 8 403.57693 9 406.137940 10 407.427118 1 408.721741 2410.01493 1 411.307380 11 408.72174 1 408.721742 11 408.72174 1 408.721742 11 408.72174 1 408.721742 11 408.72174 1 409.721782 14 41.307380 1 41.307380 14 41.307380 1 424.071652 14 31.947614 2 437.090662 23 433.675607 2 437.090762 23 433.675607 2 434.056763 11 44764 2 440.966763 11 44764 2 444.966763 11 164764 1 11 16414 11 16414 1 11 16414 11 16414 1 11 16414 11 16414 1 11 16414 11 16414 1 11 16414 11 16414 1 11 16414 11 16414	Source 07:10:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d4:56:a9:41:6a:41 d5:41:6a:41 d5:41:6a:41 d5:41:6a:41 d5:4	Destination Broadcast	Protocol Length LE LL Mathematical LL LE LE LL LE LL Mathematical LL LE LE LL	Info 33 Unknown [Helformed Packet] 33 Unknown [Helformed Packet] 30 Unknown [Kelformed Packet] 30 Unknown [Kelformed Packet] 53 Unknown [Stafformed Packet] 54 Unknown [Stafformed Packet] 55 Unknown [Stafformed Packet]	
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No. Time 1 0.001001 2154.075203 2 154.075203 2203 2 154.075203 2203 2 154.075203 2203 2 154.075203 200 2 154.075203 200 2 154.075203 9406.137940 1 407.47114 11.07320 1 417.47133 11.137320 1 417.747733 15.422.098322 1 424.071653 19.4307768 1 423.071653 19.4307768 2 439.07768 2005768 2 439.07768 2005726 2 439.07768 2005768 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 200572 2 439.07768 2005768 2 439.07768 2005768 <t< td=""><td>Source 07:15:24:55:77.4:C c4:7a:68:15:25:28 4b:15:05:25:28 4b:15:05:25:28 4d:56:39:41:6a:31 d4:55:39:41:6a:31 d5:45:41:6a:31 d5:45:41:6a:4</td><td>Destination Froadcast Broadcast</td><td>Protocol Length LE LL LE LL HT Mesh PB LE LL HT Mesh PB LE LL LE LL LE</td><td>Info 31 Unknown[Helformed Packet] 33 Unknown[Helformed Packet] 35 Unknown[Helformed Packet] 36 Transaction Continuation 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Si Unknown) 35 Unknown 35 Un</td><td></td></t<>	Source 07:15:24:55:77.4:C c4:7a:68:15:25:28 4b:15:05:25:28 4b:15:05:25:28 4d:56:39:41:6a:31 d4:55:39:41:6a:31 d5:45:41:6a:31 d5:45:41:6a:4	Destination Froadcast Broadcast	Protocol Length LE LL LE LL HT Mesh PB LE LL HT Mesh PB LE LL LE	Info 31 Unknown[Helformed Packet] 33 Unknown[Helformed Packet] 35 Unknown[Helformed Packet] 36 Transaction Continuation 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Si Unknown) 35 Unknown 35 Un	
No. Time 1 0:001000 2 136,092233 3 237,072317 5 279,046399 6 400,072436 7 402,266601 10 407,472118 11 408,721744 12 410,14720 13 417,747753 14 427,747753 15 422,09382 16 424,195783 17 425,48372 18 428,071655 19 429,365760 20 439,657688 21 431,97615 22 439,67569 21 431,97615 23 439,67569 4 49,66763 4 Frame 1: 31 hytes or Frame 1: 31 hytes or Frame 1: 31 hytes or Frame 1: 31 hytes or 10 Therface Act 10 Therface act 10 Therface act 10 Therface act 10 Therface act 10 Therface act 11 Frame 1: 31 hytes or 11 Frame 1: 31 hytes or 12 Gature act 13 Gature act 14 Frame 1: 31 hytes or 15 Gature act 16 Gature act 17 Frame 1: 31 hytes or 18 Gature act 18 Gature act 18 Gature act 19 Gature act 19 Gature act 10 Therface act 10 T	Source 07.10.24.25.77.4c c4:7a:e8:bb:25.28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d5:37:42 d4:56:a9:41:6a:31 by type (24b bits) : False1 : False3 : False	Destination Broadcast	Protocol Length LE LL LE LL LE LL E LL E LL E LL E LL LE	Info 31 Unknown [Helformed Packet] 32 Unknown [Helformed Packet] 39 Unknown [Helformed Packet] 39 Unknown [Helformed Packet] 55 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 56 Unknown 56 Unknown 56 Unknown 57 Unknown 57 Unknown 58 Unknown 58 Unknown 58 Unknown 58 Unknown 59 Unknown 59 Unknown 50 Unkn	
No. Time 1 0.00000 214.97547 2 136.89223 214.97547 2 72.10530 640.97547 2 72.10530 640.97346 7 402.266691 840.357693 9 406.137940 840.357693 9 406.137940 10407.47118 1 408.721741 1241.04243 1 411.307380 1441.77752 1 424.195783 1424.195783 1 424.195783 1424.195783 1 424.195783 1424.195783 1 424.195783 1424.195783 1 424.195783 1424.195783 1 424.195783 1457.47582 2 439.65568 2 439.657687 2 439.657687 2 440.966763 2 439.657687 2 444.966763 2 440.966783 1147614 2 440.966783 11674764 9 1045041 11644 1 1164764 116444 1 1164764 116444 1 116444 116444 1 1164444 1164444 1 1164444 1164444 1 11644	Source 07:10:24:25:77:42 c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:55:a9:41:6a:31 d4:55:a9:41:6a:41 d5:45 d5:45 d5:45 d5:45 d5:45 d5:45 d5:45 d5:45 d5:45	Destination Broadcast	Protocol Length LE LL LE	Info 33 Unknown [Helformed Packet] 33 Unknown [Helformed Packet] 30 Unknown [Kelformed Packet] 30 Unknown [Kelformed Packet] 53 Unknown [Selformed Packet] 54 Unknown [Selformed Packet] 55 Unknown [Selformed Packet] 5	
No. Time 10.000000 2156.09233 2154.09233 2157.172317 227.06639 600.773466 7 402.26661 803.557633 9 406.137940 1047.47118 11 408.721744 1141.07720 13 417.747753 1142.07720 14 417.747753 1142.09720 15 422.096302 1142.747753 16 424.195783 15422.096302 21 439.65766 20.430.65768 20 430.65768 20.430.65768 21 432.09662 2.337.7475.40962 22 439.65766 20.430.65768 21 439.65766 20.430.65768 21 439.65768 20.430.65768 22 439.675677 2.440.96673 47 11terface name Interface name 10.11terface name Interface name 11.11terface name <	Source 07:10:24:25:77:4C c4:7a:68:10:25:77:4C c4:7a:68:10:25:77:4C c4:7a:68:10:25:78 40:56:39:41:6a:31 d4:56:39:41:6a:31 d5:59:41:6a:41 d5:59:41:6a:41 d5:59:41:6a:41	Destination Proadcast Broadcast Broa	Protocol Length LE LL LE LL LE LL LE LL BT Mesh PB LE LL V ubertooth-0:type=tu V LE <td>Info 33 Unknown[Helformed Packet] 33 Unknown[Helformed Packet] 39 Transmon [haiformed Packet] 39 Transmon [haiformed Packet] 39 Transmon [haiformed Packet] 55 Unknown 56 Unknown 56 Unknown 56 Unknown 56 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 57 Unknown 57 Unknown 57 Unknown 58 Unknown 58 Unknown 59 Unknown 50 Unknow</td> <td></td>	Info 33 Unknown[Helformed Packet] 33 Unknown[Helformed Packet] 39 Transmon [haiformed Packet] 39 Transmon [haiformed Packet] 39 Transmon [haiformed Packet] 55 Unknown 56 Unknown 56 Unknown 56 Unknown 56 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 57 Unknown 56 Unknown 56 Unknown 57 Unknown 57 Unknown 57 Unknown 58 Unknown 58 Unknown 59 Unknown 50 Unknow	
No. Time 1 0.00000 2134.97547 2 136.89223 2134.97547 3 214.97547 427.97547 4 27.96639 6408.975467 7 402.266691 8 403.57693 9 406.137940 8 403.57693 9 406.137940 10 407.427118 11 408.721744 12 410.01493 13 411.307335 14 42.03832 14 42.403762 14 42.03832 15 424.195783 17 425.468372 16 424.195783 17 425.468372 18 428.071655 19 429.365766 20 430.655688 21 431.947614 22 437.409862 23 433.67567 21 431.947614 24 40.966763 21 431.947614 24 449.966763 21 431.947614 24 449.966763 21 444.966763 16417 Firme 1: 31 bytes or * Interface name Contrain 100000 1100000000000000000000000000000000000	Source 07:10:24:25:77:4c c4:7a:e8:bb:25:28 4b:bb:67:d5:b3:10 d4:55:a9:41:6a:31 d4:55:a9:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:41:6a:4	Destination Broadcast	Protocol Length LE LL LE	Info 31 Unknown [Helformed Packet] 33 Unknown [Helformed Packet] 30 Unknown [Kelformed Packet] 30 Unknown [Kelformed Packet] 53 Unknown [Si Unknown 55 Unk	
No. Time 10.0000000 2154.09233 2154.09233 2154.09233 2154.09233 2154.09233 2154.192317 227.046339 500.172406 803.557633 9.466.137940 1047.74718 11.408.7217418 114.007237 13.411.07720 13411.07720 14.417.747753 1342.05768 20.421.09322 164.24.195783 14.422.048327 164.24.195783 14.423.05768 203.05768 20.431.047651 24.31.05726 21.432.05768 204.307652 21.432.05768 204.307652 21.432.05768 203.05768 21.432.05768 204.307652 21.432.05768 204.307652 22.432.05768 204.307652 23.439.07654 204.307652 23.439.07656 204.307652 21.449.05673 1147762 21.449.05673 1147762 21.449.05673 1147762 21.449.05673 1147762 21.449.05673 11477762	Source 07:15:24:55:77:4:C c4:7a:68:1b:25:78 40:5b:67:d5:b3:10 d4:55:69:41:6a:31 d5:59:42:42 d5:59:42 d	Destination Proadcast Broadcast	Protocol Length LE LL LE LL LE LL BT Mesh PB LE LL LE LL <t< td=""><td>Info 31 Unknown[Helformed Packet] 33 Unknown[Helformed Packet] 36 Transaction Continuation 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Si Unknown (Helformed Packet]) 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet]) 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet]) 4 id 0</td><td>Paquets: 43043 · Affichés: 43043 (100.0%)</td></t<>	Info 31 Unknown[Helformed Packet] 33 Unknown[Helformed Packet] 36 Transaction Continuation 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet] 35 Unknown (Si Unknown (Helformed Packet]) 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet]) 35 Unknown (Helformed Packet] 35 Unknown (Helformed Packet]) 4 id 0	Paquets: 43043 · Affichés: 43043 (100.0%)
No. Time 10.00000 2136.092233 2136.092233 2137.02237 3239.72237 2237.046339 400.0000 400.72218 1400.72718 1400.72718 1401.72718 1401.72718 1402.72718 1417.72718 1417.72718 1417.72718 1417.72718 1417.72718 1417.72778 1422.09832 1422.437.098382 1422.437.098682 1423.95760 243.057663 243.057663 243.057663 243.057663 243.057663 243.057663 243.057663 243.057663 243.057663 243.057663 2444.967633 21431.0614 1764.122.137.093662 243.057663 1 1164764 1566.116.101 1164764 1566.116.101 117.661413 1566.116.101 118.061413 1766.116.116.116 11164764 1566.116.116 111647648 1597.016.116.116 111647648 1598.116.116	Source 07.10.24.25.77.42 c4:7a:e8:bb:25.28 4b:bb:67:d5:b3:10 d4:56:a9:41:6a:31 d5:30:41:6a:31 d5:30:41:6a:3	Destination Broadcast	Protocol Length LE LL LE LL LE LL BT Mesh PB+ LE LL LE	Info 33 Unknown [Helformed Packet] 33 Unknown [Helformed Packet] 30 Unknown [Helformed Packet] 35 Unknown [Helformed Packet] 55 Unknown [Si Unknown [Si Unknown [Si Unknown [Si Unknown] 55 Unknown] 56 Unknown] 56 Unknown] 56 Unknown] 56 Unknown] 56 Unknown] 57 Unknown] 56 Unknown] 57 Unknown] 58 Unknown] 58 Unknown] 59 Unknown] 50 Unknown] 5	Paquets: 43043 - Affichés: 43043 (100.0%)

Version 1 - Revision 2

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4/3: First protocol analyzes:

Among these frames, for the most part malformed according to the frame formats recognized by the Wire Shark software, which indicates at least a customization of the protocol stack, we find packets consistent with the Bluetooth protocol for messages of the type:

- BT MeSH
- BTLE AUX_SCAN
- AUX_CONNECT
- Unknown messages (or not recognized and interpreted by Wire Shark)

4/3/1: Packets corresponding to BT MeSH messages

No.	Time	Source	Destination	Protocol	Length	Info
7161	2960.543347	58:0a:c3:d2:48:97	Broadcast	BT Mesh	42	
7862	2994.097600	58:0a:d3:96:40:a7	Broadcast	BT Mesh	42	
7998	3 2999.604954	7d:b1:b8:db:56:e6	Broadcast	BT Mesh	50	
13087	3277.684980	58:0a:c3:96:c0:07	Broadcast	BT Mesh	42	
13563	3297.790018	78:1a:c7:96:c0:57	Broadcast	BT Mesh	38	
14530	3337.208369	78:8a:c3:96:c0:07	Broadcast	BT Mesh	42	
15508	3398.354239	58:0a:c3:96:c0:06	Broadcast	BT Mesh	42	
15912	2 3414.543270	4f:00:2e:b4:d6:b3	Broadcast	BT Mesh	42	
22146	6 4154.972222	71:38:40:70:59:96	Broadcast	BT Mesh	57	
22251	4164.171849	71:38:40:10:19:d6	Broadcast	BT Mesh	57	
22356	5 4173.301911	70:38:40:10:1a:d6	Broadcast	BT Mesh	54	
22994	4280.266887	7b:19:7f:bd:5a:05	Broadcast	BT Mesh	42	
24197	4499.638238	5b:69:30:24:20:b4	Broadcast	BT Mesh	54	
24261	4508.071784	5b:98:37:35:59:65	Broadcast	BT Mesh	42	
25393	8 4810.064219	7b:18:f7:35:59:1d	Broadcast	BT Mesh	42	
25423	8 4812.505216	3b:18:34:36:58:05	Broadcast	BT Mesh	46	
25648	8 4832.433580	6f:0d:83:7d:10:28	Broadcast	BT Mesh	49	
25797	4849.242354	5b:19:7f:b5:59:05	Broadcast	BT Mesh	42	
25860	4860.103327	7b:18:37:35:59:85	Broadcast	BT Mesh	42	
25909	4888.123186	73:18:27:35:59:05	Broadcast	BT Mesh	42	
26061	4909.584811	7b:18:56:b5:5b:05	Broadcast	BT Mesh	42	
27300	5175.108909	7b:18:17:05:41:64	Broadcast	BT Mesh	42	
27447	5195.515077	7f:18:37:35:59:c5	Broadcast	BT Mesh	46	
27930) 5249.845923	2e:98:07:05:59:e5	Broadcast	BT Mesh	50	
27959	5252.568422	5b:18:37:35:59:05	Broadcast	BT Mesh	41	
28768	3 5356.703340	7b:19:16:35:59:05	Broadcast	BT Mesh	42	
28949	5384.963579	79:18:3f:34:d9:05	Broadcast	BT Mesh	42	
29127	5416.753762	7b:18:77:25:5a:25	Broadcast	BT Mesh	40	
31167	5797.233586	7b:18:37:34:59:05	Broadcast	BT Mesh	42	
32351	6482.234947	7b:98:17:35:58:05	Broadcast	BT Mesh	38	
32828	8 6681.500045	7b:1c:36:39:59:05	Broadcast	BT Mesh	56	
33633	3 7063.402140	7b:18:7f:15:55:05	Broadcast	BT Mesh	42	
33807	7369.145932	7b:19:37:3d:59:45	Broadcast	BT Mesh	42	
33851	7412.623025	7b:18:37:f5:55:05	Broadcast	BT Mesh	42	
33854	7421.042417	7b:18:37:35:d9:04	Broadcast	BT Mesh	42	
33916	5 7678.175721	67:8f:1f:71:9b:ff	Broadcast	BT Mesh	50	
35130	8696.791045	67:87:17:b1:92:7e	Broadcast	BT Mesh	38	
36032	9723.610752	64:27:df:31:b3:38	Broadcast	BT Mesh	42	
37054	10000 207000	47.00.0f.13.32.00	Draadcast	DT Mach	40	

18560 77205.438502	52:8c:77:ca:79:d1	Broadcast	BT Mesh	43	
26029 77700.342759	6b:b6:44:7d:5e:f6	Broadcast	BT Mesh	42	
27103 77795.056748	6a:b6:44:7d:5e:f6	Broadcast	BT Mesh	42	
27138 77799.410775	6a:b6:c4:7d:5e:f6	Broadcast	BT Mesh	42	
56 3633.040370	Anonymous	ae:8d:df:99:a4:f8	LE LL	54 AUX COMMON[Malformed Packet: length of contained item exceeds length of containing item]	
1696 73551.913138	4e:43:b6:19:0e:31	22:f9:09:e4:0f:9c	LE LL	46 AUX COMMON[Malformed Packet: length of contained item exceeds length of containing item]	
1845 74818.992378	Anonymous	Broadcast	LE LL	37 AUX COMMON[Malformed Packet: length of contained item exceeds length of containing item]	
110 7644.661478	Anonymous	56:bb:b4:55:d6:b6	LE LL	25 AUX_COMMON[Malformed Packet]	
137 9756.797208	Anonymous	12:d5:61:af:8e:f4	LE LL	36 AUX COMMON[Malformed Packet]	
1363 10812.102579	07:c9:b3:45:a0:26	Broadcast	LE LL	45 AUX COMMON[Malformed Packet]	
10433 76423.877844	Anonymous	f8:ca:b2:91:2c:ce	LE LL	49 AUX COMMON[Malformed Packet]	
12535 76784.972248	8f:6a:78:5e:db:82	0b:83:f5:cd:dd:58	LE LL	33 AUX_COMMON[Malformed Packet]	
20724 77354.176792	40:a5:8b:e5:6b:86	Broadcast	LE LL	32 AUX COMMON[Malformed Packet]	
24501 77595.233191	Anonymous	d3:c9:b0:a8:98:b6	LE LL	45 AUX COMMON[Malformed Packet]	
24082 77566.227307	SamsungE_9b:14:8d	SamsungE_31:df:08	LE LL	53 AUX CONNECT REQ	l
37 2204.590729	32:f8:9d:3a:79:a0	b1:ab:e8:29:91:bd	LE LL	50 AUX CONNECT REQ[Malformed Packet]	
38 2297.353324	83:63:47:31:4a:6f	eb:34:68:f1:01:c6	LE LL	32 AUX CONNECT REQ[Malformed Packet]	
46 3150.335181	bf:64:9f:23:02:d4	1b:d2:d6:85:4e:bb	LE LL	53 AUX CONNECT REQ[Malformed Packet]	
65 4693.766390	63:98:7d:51:5d:84	17:be:b8:11:e3:62	LE LL	35 AUX CONNECT REQ[Malformed Packet]	
70 5224.232228	bb:9e:c0:3f:cf:b7	22:7c:bb:1d:c6:76	LE LL	43 AUX CONNECT REQ[Malformed Packet]	
75 5482.152165	97:f1:62:3d:3e:2b	4e:f2:8b:62:39:2f	LE LL	40 AUX_CONNECT_REQ[Malformed Packet]	
125 8919.895270	79:4b:3c:28:59:37	90:4a:68:2a:01:e4	LE LL	52 AUX CONNECT REQ[Malformed Packet]	
1531 71911.775613	58:47:cc:be:98:6a	0e:16:ae:1c:f3:d6	LE LL	38 AUX CONNECT REQ[Malformed Packet]	
1843 74809.429831	df:8f:ac:dc:4e:d7	f0:1a:c0:69:c8:70	LE LL	60 AUX_CONNECT_REQ[Malformed Packet]	

Bluetooth project X experience

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4/3/2: Packets corresponding to BTLE AUX_SCAN messages

50 3412.517750	8c:78:99:09:e8:77	77:53:dd:9e:28:b4	LE LL	33 AUX_SCAN_REQ
113 7977.762969	6e:cb:c1:c3:cc:c6	c5:07:f2:82:4d:67	LE LL	31 AUX SCAN REQ
120 8539.343299	6e:cb:c1:c3:cc:c6	c5:07:f2:82:4d:67	LE LL	31 AUX SCAN REO
152 10490 214130	61:20:67:26:92:23	56:00:23:54:06:07		31 AUX SCAN DED
152 10480.214159	01.20.07.40.02.45	50.00.23.54.60.67		SI AUX_SCAN_REQ
199 10498.061199	61:20:c/:ac:82:a3	56:C0:23:54:e6:e/	LE LL	31 AUX_SCAN_REQ
206 10499.997550	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
214 10503.820931	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
233 10509 618182	78.72.86.87.43.39	56·c0·23·54·e6·e7	IE II	31 AUX SCAN REO
244 10512 000660	61:20:67:20:92:23	56:00:23:54:06:07		31 AUX SCAN REO
244 10512.088008	01.20.07.40.02.45	50.00.23.54.60.67		DI AUX CCAN DEO
246 10512.919916	39:14:69:77:a3:66	56:C0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
281 10523.650119	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
295 10528.322365	78:72:86:87:43:39	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REQ
312 10535.176507	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
324 10530 011483	61:20:67:26:82:23	56:00:23:54:06:07		31 AUX SCAN RED
266 10535.011405	21.72.71.72.06.0d	22,22,1f,b0,64,2b		31 AUX SCAN DEO
300 10349.031330	51:72:71:75:80:00	22:22:11:00:04:30		SI AUX_SCAN_REQ
400 10557.729081	07:30:d2:82:4f:71	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
431 10566.568882	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
470 10576.299509	22:22:1f:b0:40:2b	3f:c7:14:c0:e1:7a	LE LL	38 AUX SCAN REO
543 10598 868374	78:72:86:87:43:39	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
546 10500 417412	70.72.00.07.43.30	56:00:23:54:06:07		31 AUX SCAN DEO
540 10599.41/412	70.72.00.07.43.39	50.00.25.54.00.07		SI AUX_SCAN_REQ
572 10606.560043	/8:/2:86:8/:43:39	56:C0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
576 10607.380753	39:ba:05:8b:39:a9	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
599 10612.606970	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REQ
614 10615,929050	78:72:86:87:43:39	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
625 10618 117552	2a:85:f0:ac:fa:ca	56.c0.23.54.e0.e2	IE II	31 AUX SCAN BEO
652 10625 207005	79.72.96.97.43.30	56:00:23:54:06:07		31 AUX SCAN REO
602 10624 640040	70.72.00.07.43.39	560.23.5467		31 AUX_SCAN_DEQ
682 10634.640040	78:72:80:87:43:39	50:C0:23:54:e0:e7		SI AUX_SCAN_REQ
706 10640.694802	61:20:c/:ac:82:a3	56:c0:23:54:e6:e/	LE LL	31 AUX_SCAN_REQ
714 10642.615268	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
744 10650.363266	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REQ
752 10652.843787	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
777 10659 269239	61:20:07:20:82:23	56:00:23:54:06:07	1 E 1 I	31 AUX SCAN BEO
010 10660 071037	06:70:b1:of:5f:62	56:00:23:54:06:07		31 AUX SCAN DEO
810 10009.971957	00.79.DI.el.31.02	50.00.25.54.60.67		SI AUX_SCAN_REQ
838 10677.150524	61:20:c/:ac:82:a3	56:C0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
841 10677.834623	42:22:11:b0:64:3b	cc:07:11:22:01:02	LE LL	46 AUX_SCAN_REQ
853 10680.428943	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REQ
889 10690.629287	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
948 10709 909550	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	IE II	31 AUX SCAN REO
001 10710 006004	79.72.96.97.43.30	56:c0:23:54:e6:e7		31 AUX SCAN REO
001 10710.000004	61.20.67.56.02.53	56.00.23.54.06.07		31 AUX_SCAN_DEO
991 10/20./2851/	61:20:C7:aC:82:a3	50:C0:23:54:e0:e7		SI AUX_SCAN_REQ
1031 10/32.843196	61:20:c/:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1048 10737.512873	78:72:86:87:43:39	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1079 10744.372425	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REQ
1102 10750.134793	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
1135 10759 479398	78.72.86.87.43.39	56.c0.23.54.e6.e7		31 AUX SCAN BEO
1160 10769 020247	70.72.00.07.43.35	56:00:23:54:06:07		31 AUX SCAN DEO
1109 10/08.02924/	70.72.00.07.43.39	50.00.25.54.60.67		ST AUX_SCAN_REQ
1209 10//8.1/3045	/8:/2:80:8/:43:39	50:CU:23:54:e0:e/	LE LL	31 AUX_SCAN_REQ
1216 10779.555746	1b:90:fc:44:0e:f1	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1228 10781.489464	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1268 10791.650203	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REQ
1301 10798,785359	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX SCAN REO
1310 10202 63300	61:20:07:20:02:03	56:00:23:54:06:07	16 11	31 AUX SCAN RED
1325 10002.033030	61.20.67.56.02.63	56:00:23:54:06:07		31 AUX SCAN DEO
1333 10803.045/18	01.20:07:40:02:33	50:00:23:54:00:07		ST AUX_SCAN_REQ
1351 10808.944769	01:20:C/:aC:82:a3	56:C0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1360 10810.871872	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1378 10814.723734	61:20:c7:ac:82:a3	56:c0:23:54:e6:e7	LE LL	31 AUX_SCAN_REQ
1459 71538.374324	82:78:15:5f:aa:a0	07:e6:87:1e:9c:f6	LE LL	35 AUX SCAN REQ

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No.	Time	Source	Destination		Protocol	Length	Info
	50 3412.517750	8c:78:99:09:e8:77	77:53:dd:9e:2	8:b4	LE LL		33 AUX_SCAN_REQ
4							
٣	Frame 50: 33 bytes ▼ Interface id: 0	on wire (264 bits), 3 (ubertooth-0)	3 bytes captured (20	4 bits) on	interface	ubertooth-0,	, id 0
	Interface na	me: ubertooth-0					
	Interface de	scription: Kismet data	source ubertooth-0 (ray link lovor PE (1	ubertooth-0	- ubertoot	:h-0:type=ub	ertooth)
	Arrival Time: N	ov 6. 2021 16:02:29.0	48614000 CFT	.01/			
	[Time shift for	this packet: 0.000000	000 seconds]				
	Epoch Time: 163	6210949.048614000 seco	nds				
	[Time delta fro	m previous captured fr	ame: 17.181077000 se	conds]			
	Time della fro	erence or first frame:	3412.517750000 seco	ndsl			
	Frame Number: 5	0					
	Frame Length: 3	3 bytes (264 bits)					
	Capture Length:	33 bytes (264 bits)					
	[Frame is ignor	ed: Falsel					
	[Protocols in f	rame: bluetooth:btle_r	f:btle]				
*	Bluetooth		000.77)]				
	[Source: 8c:/8:	99:09:e8:// (8c:/8:99: 7.53.dd.0e.28.b4 (77.5	09:e8://)] 3.dd.9e.28.b4)]				
Ŧ	Bluetooth Low Ener	qy RF Info	5.00.50.20.047]				
	RF Channel: 37,	2476 MHz, Data channe	l 35				
	Signal dBm: -99	uto. 0					
	Access Address	Offenses: 0					
	Unused word: 0x	8e89bed6					
	▼ Flags: 0x0023		_				
		<pre>1 = Dewnitened: 1 = Signal Power</pre>	Irue Valid: True				
			Valid: False				
		0 = Decrypted: F	alse				
		.0 = Reference Ac	cess Address Valid:	False			
		1 = Access Addre	sed: False	rue			
	00 0.	= PDU Type: Ad	vertising or Data (U	nspecified	Direction)	(0)	
		= CRC Checked:	False				
	0	= CRC Valid: F	alse				
		= MIC Checked.	alse				
	00	= PHY: LE 1M (9)				
*	Bluetooth Low Ener	gy Link Layer					
	 Packet Header: 	0x0ee3 (PDU Type: AUX	SCAN REO. TxAdd: Ran	dom. RxAdd:	Random)		
	0011 =	PDU Type: 0x3 AUX_SCAN	REQ	,	,		
		Reserved: 0					
	1 =	Reserved: 1 Tv Address: Bandom					
	1 =	Rx Address: Random					
	Length: 14						
	Scanning Addres	s: 8c:78:99:09:e8:77 (8c:78:99:09:e8:77)	,			
	Advertising Add CRC: Oxe6efaa	ress: //:53:dd:9e:28:b	4 (77:53:dd:9e:28:b4	.)			
	 [Expert Info 	(Warning/Checksum): I	ncorrect CRC]				
	[Incorrect	CRC]					
	(Severity	level: Warning]					
00	00 25 9d 00 00 d6	be 89 8e 23 00 d6 be 8c b4 28 9e dd 53 77	89 8e e3 0e %····	···· #·····	G		
00	20 53	55 57 20 56 GG 55 77	S	. , 5#9 0	-		

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4/3/2: Packets corresponding to AUX_CONNECT messages

2352 1763 558555	71.ea.66.14.e0.20	64.0h.23.02.01.02	IE II	54 AUX CONNECT RED
4294 2492 944386	74:bf:67:2d:cf:24	4d:e6:b0:37:cf:44		55 AUX CONNECT REO
5307 2735 659536	4d:c9:4c:ed:8b:65	9a:55:58:f5:4b:f3		57 AUX_CONNECT_REQ
7120 2058 130705	7e:b1:a8:d3:d2:e7	61:01:86:10:01:03		58 AUX CONNECT REO
28044 5384 105866	60.cf.45.c0.13.8b	06.80.b0.31.55.26		53 AUX_CONNECT_REQ
31769 6060 406377	62:64:df:5c:90:c6	00.00.00.01.00.20		57 AUX_CONNECT_REQ
32201 6357 786142	af:cf:a3:cf:df:af	fe:73:3b:12:55:76		55 AUX CONNECT_REQ
32201 0337.700142	h1.db.51.4d.50.f4	60.97.33.20.51.02		54 AUX_CONNECT_REQ
32045 6734 920936	40.f4.55.72.02.d2	90.92.57.41.05.00		57 AUX CONNECT_REQ
32343 0734.020030	10:00:16:c7:0b:00	4h.2c.0h.1h.02.02		
37833 10571.702736	la:9e:16:c7:0b:0e	4b:3c:9b:1b:03:02	LE LL	56 AUX_CONNECT_REQ

No.	Time	Source	Destination	Protocol	Length	Info
	2352 1763.558555	71:ea:66:14:e0:20	64:0b:23:02:01:02	LE LL	54	AUX CONNECT REO
4						
_						
*	Frame 2352: 54 byte	es on wire (432 bits),	54 bytes captured (432 b)	ts) on interface	ubertooth-0	, 1d 0
	 Interface id: 0 	(ubertooth-0)				
	Interface nam	e: ubertooth-0				
	Interface des	cription: Kismet datas	ource ubertooth-0 (uberto	oth-0 - ubertooth	-0:type=uber	tooth)
	Encapsulation ty	/pe: Bluetooth Low Ener	gy Link Layer RF (161)			
	Arrival Time: Oc	t 17, 2021 10:46:50.89	7024000 CEST			
	[Time shift for	this packet: 0.0000000	00 seconds]			
	Epoch Time: 1634	460410.897024000 secon	ds			
	[Time delta from	n previous captured fra	me: 0.215241000 seconds]			
	[Time delta from	n previous displayed fr	ame: 0.215241000 seconds]			
	[Time since refe	erence or first frame:	1763.558555000 seconds]			
	Frame Number: 23	52				
	Frame Length: 54	bytes (432 bits)				
	Capture Length:	54 bytes (432 bits)				
	[Frame is marked	l: False]				
	[Frame is ignore	ed: False]				
	[Protocols in fr	ame: bluetooth:btle_rf	:btle:btcommon]			
Ŧ	Bluetooth					
	[Source: 71:ea:6	6:14:e0:20 (71:ea:66:1	4:e0:20)]			
	[Destination: 64	:0b:23:02:01:02 (64:0b	:23:02:01:02)]			
*	Bluetooth Low Energ	gy RF Info				
	RF Channel: 37,	2476 MHz, Data channel	35			
	Signal dBm: -89					
	Unused signed by	rte: 0				
	Access Address 0)ffenses: 0				
	Unused word: 0x8	le89bed6				
	▼ Flags: 0x0023					
		1 = Dewhitened: T	rue			
		1. = Signal Power	Valid: True			
		0 = Noise Power V	alid: False			
		. 0 = Decrypted: Fa	lse			
		0 = Reference Acc	ess Address Valid: False			
	1	= Access Addres	s Offenses Valid: True			
	0.	= Channel Alias	ed: False			
	00 0	= PDU Type: Adv	ertising or Data (Unspeci	fied Direction) ((9)	
	0	= CRC Checked:	False			
	0	= CRC Valid: Fa	lse			
	0	= MIC Checked:	False			
	0	= MIC Valid: Fa	lse			
	00	= PHY: LE 1M (0)			
*	Bluetooth Low Energ	gy Link Layer				
	Access Address:	UX8689Dedb	ONNECT DEG. THATA DE	Dutalate Dutate 3		
	 Packet Header: 0 	X2345 (PDU Type: AUX_C	UNNECI_REQ, IXAdd: Random	, RXAdd: Public)		
	0101 = P	DU Type: 0x5 AUX_CONNE	CI_REQ			
	= K	eserved: 0				
	U = K	eserved: 0				
	.1 = 1	x Address: Random				
	0 = R	x Address: Public				
	Lengtn: 35	71	71			
1	Initiator Addres	s: /1:ea:66:14:e0:20 (/1:ea:66:14:e0:20)			
	Advertising Addr	ess: 64:0b:23:02:01:02	(64:0b:23:02:01:02)			
	👻 Link Layer Data					
	Access Addres	s: 0xec9615td				

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👻 B1	luetooth Low Energy Link Layer							
	Access Address: 0x8e89bed6							
-	Packet Header: 0x2345 (PDU Type: AUX CONNECT REQ, TxAdd: Random, RxAdd: Public)							
	0101 = PDU Type: 0x5 AUX CONNECT REO							
	0 = Reserved: 0							
	0 = Reserved: 0							
	.1 = Tx Address: Bandom							
	0 = Rx Address' holio							
	Lonth 35							
	Lingth: 55							
	Advarticing Addracs (A:A)(A:A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A							
-	Link Lavar Data							
	ACCESS AUDIESS. OXECSUIJU CDC Toit- Avofijaa							
	Window Size 252 (316.25 mcoc)							
	Window 3126, 253 (516,25) mae()							
	WINDOW UTTSET: 41994 (52492,5 mSeC)							
	Interval: 32100 (03207,5 msec)							
	Latency, 1999 Timout, 1966 (5060 mag)							
	IImeoul: 3400 (3400 msec)							
	1.11 $101 = 100; 29$							
_	$\sigma_{10}, \ldots, = \sigma_{10}$							
	v [Event Info (Warning/Checksum): Incorrect CPC]							
	[Expert the (BC]							
	[Incorrect the]							
	[Sevenity level, wanning]							
	[Group: Checksum]							
	[Group: Checksum]							
0000	[Group: Checksum]							
0000	[Group: Checksum]							
0000	[Group: Checksum] 25 a7 00 00 d6 be 89 8e 23 00 d6 be 89 8e 45 23 20 e0 14 66 ea 71 02 01 02 23 0b 64 fd 15 96 ec 00 17 9f fd 0a a4 c6 cb eb 15 cf 0a 3d 27							

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	24082 77566.227307	SamsungE_9b:14:8d	SamsungE_31:df:08	LE LL	53 AUX_CONNECT_REQ
4					
•	Frame 24082: 53 bytes • Interface id: 0 (u Interface name: Interface descr Encapsulation type Arrival Time: Nov	s on wire (424 bits), 5 bertooth-0) ubertooth-0 iption: Kismet datasour : Bluetooth Low Energy 7, 2021 12:38:22.75817	3 bytes captured (424 bi ce ubertooth-0 (ubertoot Link Layer RF (161) 71000 CET	ts) on interface h-0 - ubertooth	ubertooth-0, id 0 -0:type=ubertooth)
	[Time shift for th	is packet: 0.000000000	seconds]		
	Epoch Time: 163628 [Time delta from p [Time delta from p [Time since refere Frame Number: 2408 Frame Length: 53 Capture Length: 53 [Frame is marked: [Frame is ignored: [Protocols in fram	5102.758171000 seconds rrevious captured frame: rrevious displayed frame nce or first frame: 775 2 ytes (424 bits) bytes (424 bits) False] False] False] ue: bluetooth:btle_rf:bt	: 0.004566000 seconds] 2: 0.004566000 seconds] 566.227307000 seconds] tle:btcommon]		
*	Bluetooth	0h . 14. 0d (24. fax at . 0h . 1	14.04)]		
	[Source: Samsunge_ [Destination: Sams	9D:14:80 (24:TC:e5:9D:1 ungE 31:df:08 (b8:bc:5b	14:80)] 5:31:df:08)]		
-	Bluetooth Low Energy	RF Info			
•	RF Channel: 37, 24 Signal dBm: -87 Unused signed byte Access Address Off Unused word: 0x8e8 * Flags: 0x0023 	<pre>Arr File 76 MHz, Data channel 35 99bed6 1 = Dewhitened: True = Signal Power Vali 0 = Noise Power Vali 0 = Decrypted: False = Reference Access = Access Address 0 = CHDU Type: Advert = CRC Checked: Fal = CRC Checked: Fal = MIC Checked: False = MIC Checked: False = MIC Valid: False = PHY: LE 1M (0) Link Layer</pre>	5 .id: True .d: False False ffenses Valid: True False .ising or Data (Unspecifi .se .se	ed Direction) (6	9)
	Access Address: 0x * Packet Header: 0x2 0101 = PDU 0 = Res .0 = Res .0 = Tx 0 = Rx Length: 34 Initiator Address: Advertising Address * Link Layer Data	<pre>8e89bed6 205 (PDU Type: AUX_CONN Type: 0x5 AUX_CONNECT_ erved: 0 erved: 0 Address: Public Address: Public SamsungE_9b:14:8d (24: s: SamsungE_31:df:08 (b)</pre>	HECT_REQ, TxAdd: Public, REQ :fc:e5:9b:14:8d) 28:bc:5b:31:df:08)	RxAdd: Public)	
	Access Address: CRC Init: 0x4f6 Window Size: 5 Window Offset: Interval: 6 (7,	0x489905d6 04b (6,25 msec) 5 (6,25 msec) 5 msec)			

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Ŧ	Bluetooth Low Energy Link Layer						
	Access Address: 0x8e89bed6						
	Packet Header: 0x2205 (PDU Type: AUX_CONNECT_REQ, TxAdd: Public, RxAdd: Public)						
	0101 = PDU Type: 0x5 AUX_CONNECT_REQ						
	0 = Reserved: 0						
	0 = Reserved: 0						
	.0 = Tx Address: Public						
	0 = Rx Address: Public						
	Length: 34						
	Initiator Address: SamsungE_9b:14:8d (24:fc:e5:9b:14:8d)						
	Advertising Address: SamsungE_31:df:08 (b8:bc:5b:31:df:08)						
	Link Layer Data						
	Access Address: 0x489905d6						
	CRC Init: 0x4f604b						
	Window Size: 5 (6,25 msec)						
	Window Offset: 5 (6,25 msec)						
	Interval: 6 (7,5 msec)						
	Latency: 170						
	limeout: 500 (5000 msec)						
	Channel Map: ffffffffff						
00	00 25 a9 00 00 d6 be 89 8e 23 00 d6 be 89 8e 05 22 %······ #·····						
00	10 8d 14 9b e5 tc 24 08 dt 31 5b bc b8 d6 05 99 48\$. 1[H						
00							
00	(30 TI 20 GI 23 CZ ·0·3·						

4/3/2: Packets corresponding to unknown messages (or not interpretable as such by the Wire Shark software)

11871 76712.777979 23514 77544.167918 27534 77830.555531 1508 71863.662070 27680 77842.705337 28718 77895.179350 18 1762.539511 20 1762.585510	57:88:2e:e1:b0:1d 4c:da:66:eb:5b:9f 22:02:1f:b0:64:3a 5a:2f:be:42:d5:9f 3d:1d:df:46:0d:16 66:22:1f:b0:60:3b 45:95:d9:82:5b:a7 c5:07:f2:82:4d:67	09:01:00:06:ff:0e 58:11:01:3d:17:f3 98:0f:15:02:01:42 Broadcast Broadcast Broadcast Broadcast Broadcast	LE LL LE LL BT Mesh PB BT Mesh PB BT Mesh PB LE LL LE LL	56 AUX SCAN REQ[Malformed Packet] 28 AUX SCAN REQ[Malformed Packet] 45 AUX SCAN REQ[Malformed Packet] 43 Provisioning Bearer Control[Malformed Packet: length of contained item exceeds length of containing item] 48 Provisioning Bearer Control[Malformed Packet: length of contained item exceeds length of containing item] 46 Transaction Continuation[Malformed Packet] 52 Unknown
18560 77205.438502 26029 77700.342759 27103 77795.056748 27138 77795.410775 56 3633.040370 1696 73551.913138 1845 74818.992378 110 7644.661478 135 10812.102579 10433 76423.877844 12535 76784.972248 20724 77354.176792 24501 77555.233191	52:8c:77:ca:79:d1 6b:b6:44:7d:5e:f6 6a:b6:64:7d:5e:f6 Anonymous 4e:43:b6:19:0e:31 Anonymous Anonymous Anonymous Anonymous Anonymous Af:6a:78:5e:db:82 40:a5:b0:e5:b0:82 40:a5:b0:e5:b0:82	Broadcast Broadcast Broadcast ae:8d:df:99:a4:ff 22:f9:09:e4:6f:99:a4:ff 70:09:e4:6f:99:e4:6f: 55:bb:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b4:55:d6:b6:b4:55:d6:b6:b4:b4:b6:b6:b4:b4:b4:b4:b4:b4:b4:b4:b4:b4:b4:b4:b4:	BT Mesh BT Mesh BT Mesh BT Mesh C LL LE LL LE LL LE LL LE LL LE LL LE LL LE LL LE LL	43 42 42 43 54 AUX_COMMON[Malformed Packet: length of contained item exceeds length of containing item] 46 AUX_COMMON[Malformed Packet: length of contained item exceeds length of containing item] 37 AUX_COMMON[Malformed Packet] 48 AUX_COMMON[Malformed Packet] 49 AUX_COMMON[Malformed Packet] 33 AUX_COMMON[Malformed Packet] 33 AUX_COMMON[Malformed Packet] 33 AUX_COMMON[Malformed Packet] 33 AUX_COMMON[Malformed Packet] 45 AUX_COMMON[Malformed Packet] 45 AUX_COMMON[Malformed Packet]
24082 77566.227307	SamsungE_9b:14:8d	SamsungE_31:df:08	E LE LL	53 AUX_CONNECT_REQ
37 2204.500729 38 2297.353324 46 3150.335181 65 4693.766390 70 5224.33228 75 5482.152165 125 8919.8952761 31843 74809.429831	32:f8:90:33:79:a0 83:63:47:31:4a:65 bf:64:9f:23:02:d4 63:98:70:51:56:84 b9:9e:c0:3f:cf:b7 97:f1:62:3d:3e:2b 79:4b:3c:28:59:37 58:47:cc:be:98:6a df:8f:ac:dc:4e:d7	b1:ab:e8:29:91:bc eb:34:68:f1:01:ct 1b:d2:d6:85:4e:b1 17:be:b8:11:e3:65 22:7c:bb:1d:cc7:bb:1d:cc7 4e:f2:8b:f2:39:21 90:4a:68:2a:01:e4 0e:16:ae:lcf3:df f0:la:c0:69:c8:76	E LE LL E E LL	50 AUX_CONNECT_REQ[Malformed Packet] 32 AUX_CONNECT_REQ[Malformed Packet] 53 AUX_CONNECT_REQ[Malformed Packet] 43 AUX_CONNECT_REQ[Malformed Packet] 44 AUX_CONNECT_REQ[Malformed Packet] 54 AUX_CONNECT_REQ[Malformed Packet] 56 AUX_CONNECT_REQ[Malformed Packet] 60 AUX_CONNECT_REQ[Malformed Packet]
17177 77130.972195 22398 77469.256038 41 2629.881733 662 10622.724388 1456 71443.253806 17178 77131.164184 17931 77172.541502 26013 7768.980571 26023 77768.98057 9 421.460920 9 421.460920 10 747.384849 57 3765.709228 63 4556.945608 94 5749.553933 118 8374.569651	b5:db:d7:de:42:aa 8d:00:59:38:ae:5e 92:64:1f:2c:1c:a3 Anonymous 81:82:38:62:17:b4 d5:f5:58:d9:dc:e5 Anonymous Anonymous Anonymous Anonymous 60:01:c8:1a:76:ec Anonymous 60:74:ef:3c:64:fb Anonymous	0b:c4:56:af:cf:7a 70:0c:17:b5:b2:4b Broadcast d1:74:57:86:98:25 Broadcast Broadcast Broadcast BeijingB.0b:c4:e4 e9:42:6a:b6:40:3d 09:0d:78:ae:c6:7d Broadcast Broadcast Broadcast 36:cc:10:dc:e0:d1 Broadcast	E LL LE LL	54 AUX CONNECT REO[Malformed Packet] 55 AUX CONNECT REO[Malformed Packet] 48 AUX CONNECT RSP[Malformed Packet] 43 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 43 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 46 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 47 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 48 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 49 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 41 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 37 AUX CONNECT RSP[Malformed Packet: length of contained item exceeds length of containing item] 30 AUX CONNECT RSP[Malformed Packet] 40 AUX CONNECT RSP[Malformed Packet] 43 AUX CONNECT RSP[Malformed Packet] 44 AUX CONNECT RSP[Malformed Packet] 45 AUX CO

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29790 77931.0	71351 MS-NLB-F	hysServer-32 0…	Broadcast L	E LL	46 Unknown[Ma	lformed Packet]
29854 77932.0	96104 22:20:51	f:b0:64:3b	Broadcast L	E LL	46 Unknown[Ma	lformed Packet]
29887 77932.5	91668 35:8c:77	7:ca:79:d1	Broadcast L	E LL	43 Unknown[Ma	lformed Packet]
29908 77933.1	21222 2a:22:11	f:70:64:3b	Broadcast L	E LL	46 Unknown[Ma	lformed Packet]
29932 77933.6	86559 d0:89:05	5:5c:59:75	Broadcast L	E LL	60 Unknown[Ma	lformed Packet]
911 10699.4	67115 56:c0:23	3:54:e6:e7	Broadcast E	3T Mesh	43 [Malformed	Packet]
1462 71630.3	84194 4c:64:fo	d:da:fc:5f	Broadcast E	3T Mesh	43 [Malformed	Packet]
1473 71702.3	47915 4c:64:fo	d:da:fc:5f	Broadcast E	3T Mesh	43 [Malformed	Packet]
1479 71705.6	50330 4c:64:bo	d:da:fc:5f	Broadcast E	3T Mesh	43 [Malformed	Packet]
1499 71858.4	09012 4a:3f:be	e:42:55:9b	Broadcast E	3T Mesh	43 [Malformed	Packet]

5 / Conclusions and perspectives

In view of these results, we can confirm that a significant percentage of people injected and, to a lesser extent, people not injected but tested by PCR tests emit alphanumeric signals over the frequency range corresponding to that of Bluetooth use.

This percentage will have to be specified by future studies in order to highlight the potential impact of the following factors:

- Brand of the injected product
- Candidate profile:o

Number of injection (s)

o received Date of last injection

Many frames appear in connection with these signals which are uninterpretable in the current state of things by the Wire Shark software.

One of the common characteristics of these frames is the low dBm level.

Among the probable explanations for the incomplete or even uninterpretable nature of these frames of the hypotheses should be explored:

- Different modulation from that usually used for conventional BTLE protocols
- A problem of insufficient energy to activate an action trigger
- A series of actions scheduled on channel hops (inside the Bluetooth frequency range and / or outside it).

There is a very clear prominence of signals emitted in an ambient environment compared to signals emitted in an environment without electromagnetic activity.

Additional tests should therefore confirm this trend and identify the triggering factors of the signals to specify their nature and especially the functionality (s).

These alphanumeric signals are not constant over time and their appearance is brief.

It is possible that a scheduled scheduling (fixed or random, depending on triggers such as social interactions) underlies these appearances.

Many other experiments will undoubtedly be necessary to acquire enough data to identify redundancies, cycles, patterns ...

Bluetooth project X experience

Version 1 - Revision 2

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