

4G-5G

*Good For Your Health
Bad For Your Security*

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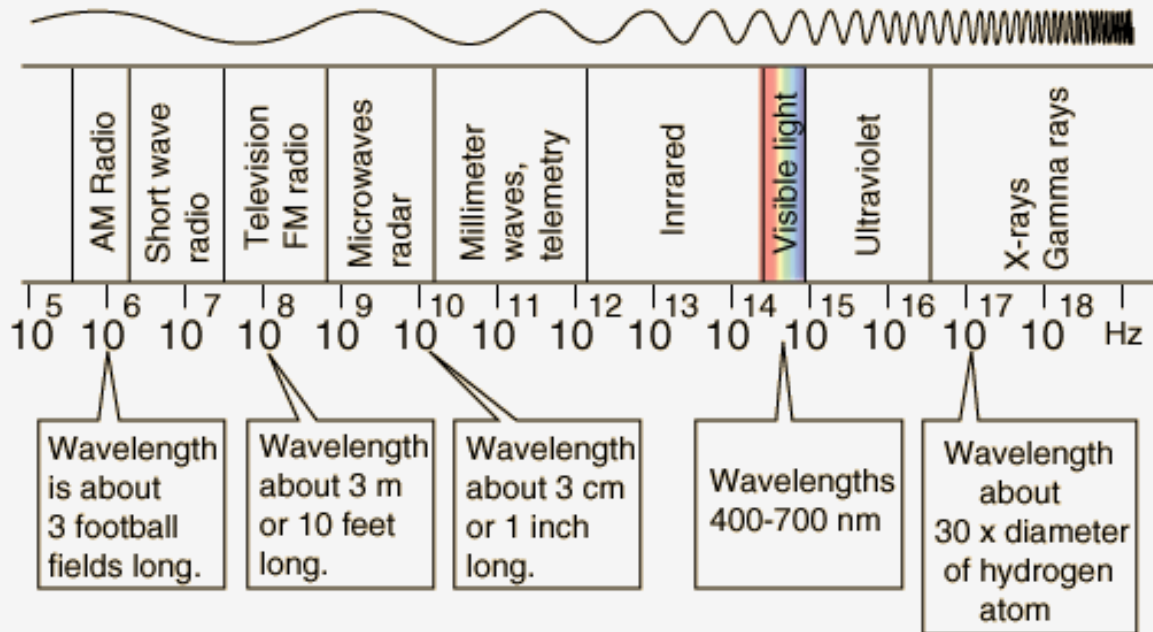
YouTube: Maker Vlog

Email: makervlogo4@gmail.com

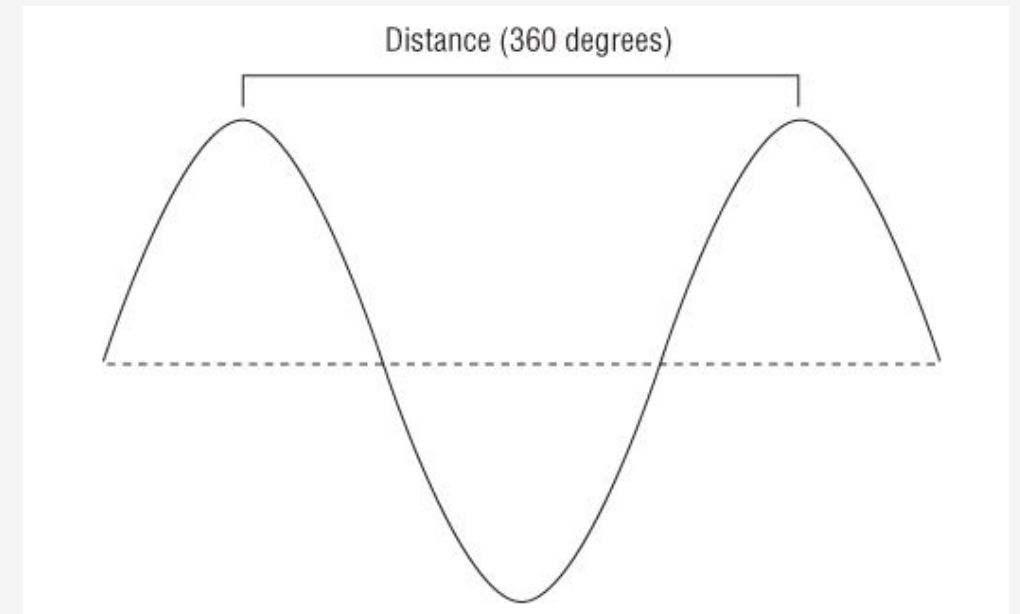


Radio Basics!

Frequency

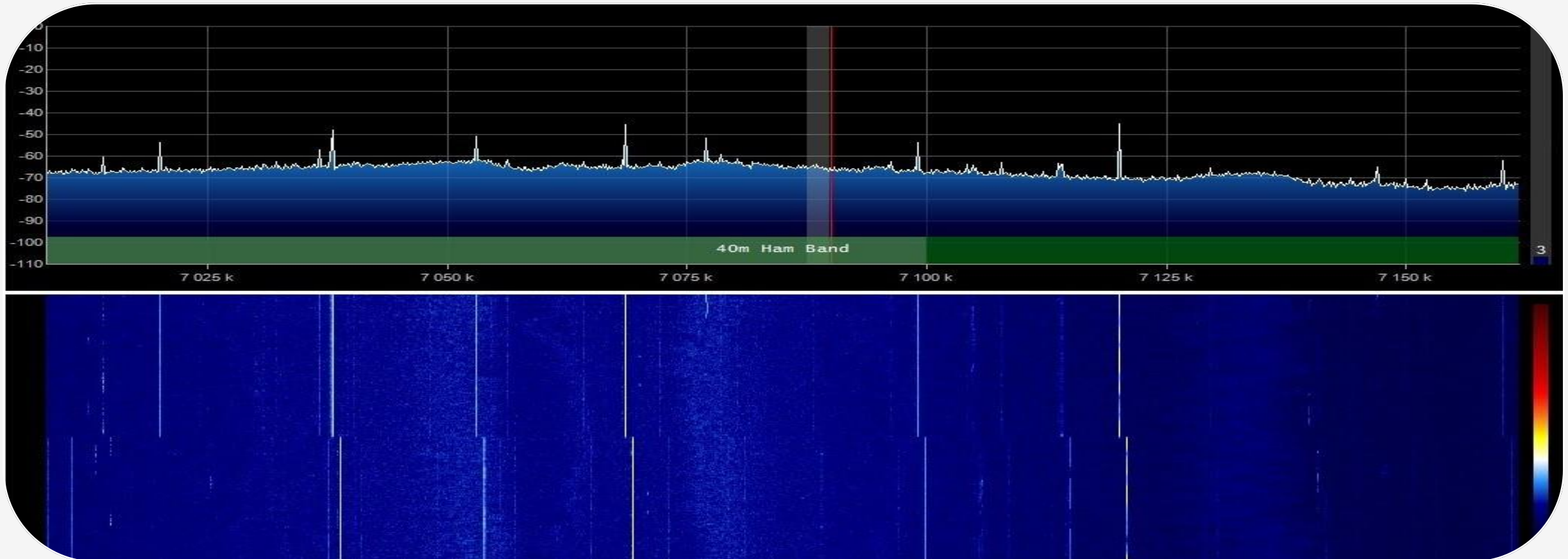


Wavelength



Radio Basics!

Bandwidth





WHAT IS 4G-5G



4G STANDARD

- 100Mb/s Mobile Speed
- 1Gb/s Static Speed
- 800-2100MHz

5G STANDARD

- 20Gb/s Download
- 10Gb/s Upload
- 400MHz-24GHz 40GHz
- Utilises smaller repeater networks

WILL 5G KILL YOU?



WILL 5G INTERFERE WITH OTHER SYSTEMS

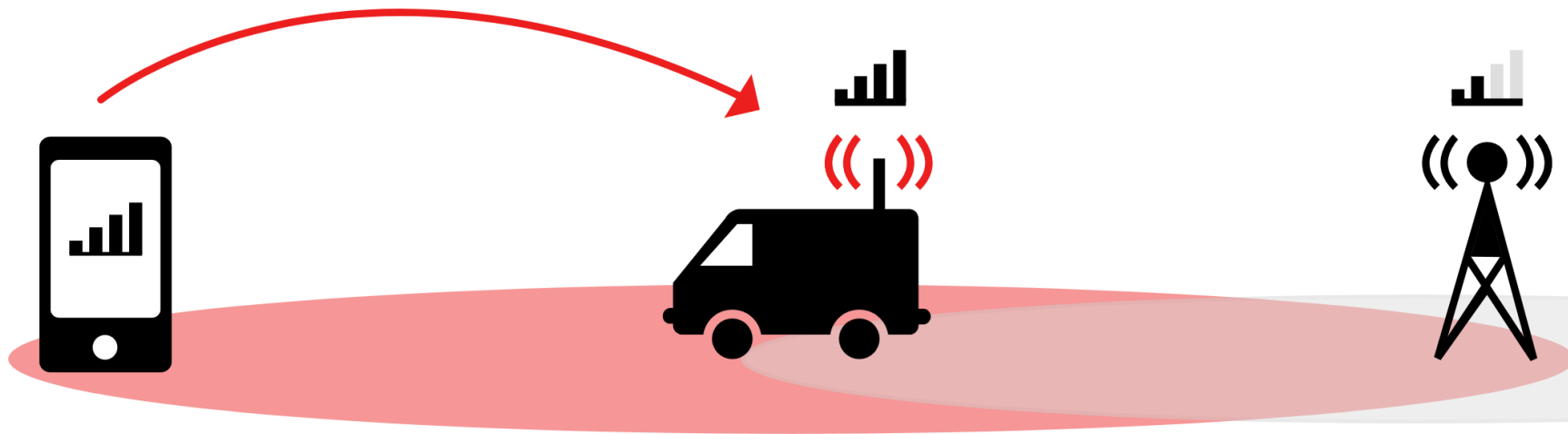




4G-5G Security

Stingray

BASIC CSS: PHONE CONNECTS TO THE STRONGEST SIGNAL STRENGTH

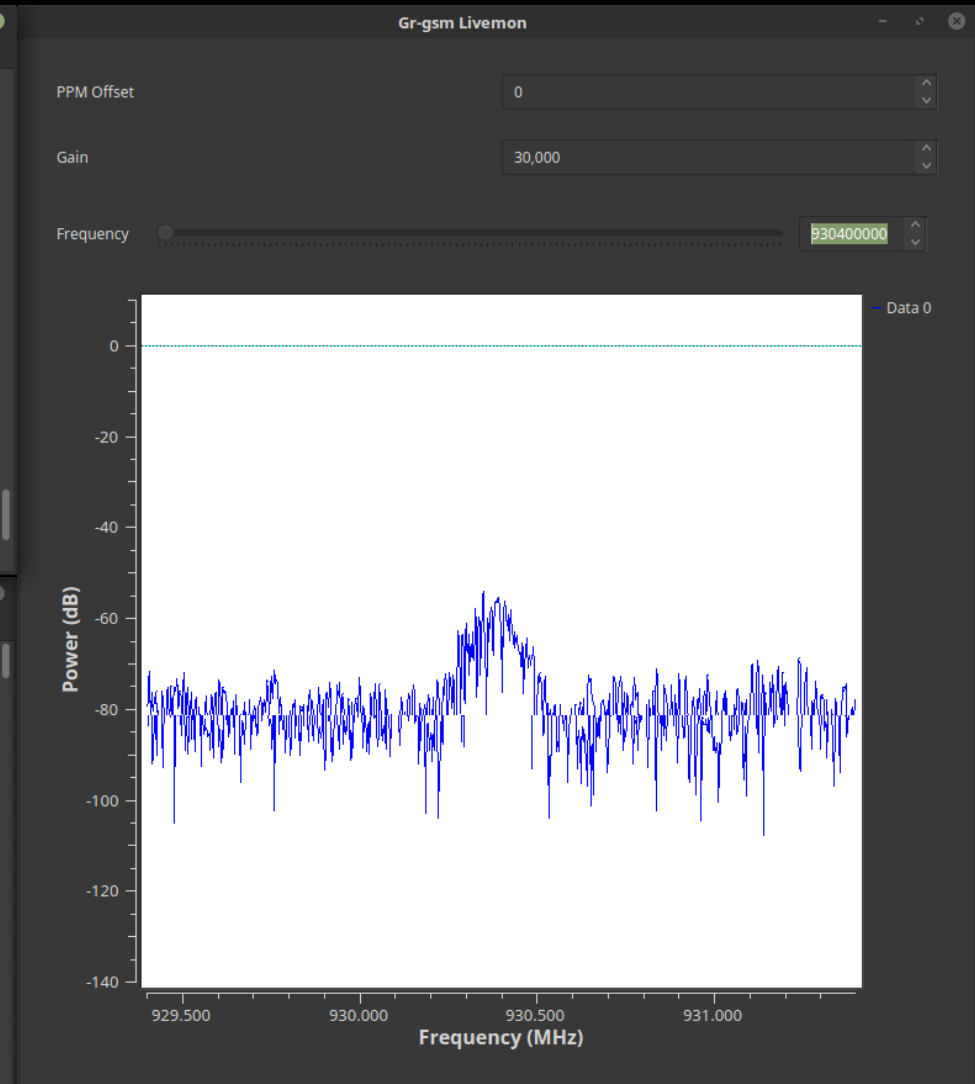


Torpedo

```
Terminal 1
Fichier Édition Affichage Rechercher Terminal Aide
$ sudo python simple_IMSI-catcher.py
WARNING: No route found for IPv6 destination :: (no default route?)
cpt ; IMSI ; country ; brand ; operator
1 ; 234 20 730143 ; Guernsey (United Kingdom) ; 3 ; Hutchison 3G UK Ltd
2 ; 208 20 154308 ; France ; Bouygues ; Bouygues Telecom
3 ; 208 20 029666 ; France ; Bouygues ; Bouygues Telecom
4 ; 208 20 085162 ; France ; Bouygues ; Bouygues Telecom
5 ; 208 20 031381 ; France ; Bouygues ; Bouygues Telecom
6 ; 208 20 031233 ; France ; Bouygues ; Bouygues Telecom
7 ; 208 20 031343 ; France ; Bouygues ; Bouygues Telecom
8 ; 208 20 171286 ; France ; Bouygues ; Bouygues Telecom
9 ; 208 20 090096 ; France ; Bouygues ; Bouygues Telecom
10 ; 208 20 100817 ; France ; Bouygues ; Bouygues Telecom
11 ; 208 20 144546 ; France ; Bouygues ; Bouygues Telecom
12 ; 208 20 220088 ; France ; Bouygues ; Bouygues Telecom
13 ; 208 20 171268 ; France ; Bouygues ; Bouygues Telecom
14 ; 208 20 154457 ; France ; Bouygues ; Bouygues Telecom
15 ; 208 20 144758 ; France ; Bouygues ; Bouygues Telecom
16 ; 208 20 031231 ; France ; Bouygues ; Bouygues Telecom
17 ; 208 25 001134 ; France ; LycaMobile ; LycaMobile
18 ; 208 20 171275 ; France ; Bouygues ; Bouygues Telecom
19 ; 208 20 031317 ; France ; Bouygues ; Bouygues Telecom
20 ; 208 20 154456 ; France ; Bouygues ; Bouygues Telecom
21 ; 208 20 144857 ; France ; Bouygues ; Bouygues Telecom
22 ; 208 20 031261 ; France ; Bouygues ; Bouygues Telecom
23 ; 208 20 144819 ; France ; Bouygues ; Bouygues Telecom
24 ; 208 20 100230 ; France ; Bouygues ; Bouygues Telecom
```

```
Terminal 2
Fichier Édition Affichage Rechercher Terminal Aide
$ airprobe_rtlsdr.py
linux; GNU C++ version 5.3.1 20151219; Boost_105800; UHD_003.009.002-0-unknown

gr-osmosdr 0.1.4 (0.1.4) gnuradio 3.7.9
built-in source types: file osmosdr fcd rtl rtl_tcp uhd miri hackrf bladerf rfsp
ace airspy redpitaya
Using device #0 Realtek RTL2838UHIDIR SN: 00000001
Found Rafael Micro R820T tuner
[R82XX] PLL not locked!
Exact sample rate is: 2000000,052982 Hz
[R82XX] PLL not locked!
Using Volk machine: sse3_64_orc
2d 06 22 00 d8 58 3a 30 a0 0d 25 b8 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
31 06 21 00 08 29 43 02 37 10 34 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
15 06 21 00 01 f0 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
2d 06 22 00 ec 58 13 18 80 06 e3 b9 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
15 06 21 00 01 f0 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
15 06 21 00 01 f0 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
59 06 1a 8f e7 90 80 ad 1c 60 49 00 00 00 00 00 00 00 00 ff 79 00 00
01 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
2d 06 22 00 90 0e 42 fa cf 58 e5 08 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
59 06 21 00 08 29 80 02 51 34 80 17 08 29 80 02 20 69 66 2b 2b
25 06 21 00 05 f4 d1 68 9f 28 23 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
25 06 21 00 05 f4 ff 68 0f 60 23 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b 2b
```



THANKS

ANY QUESTIONS

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