

13: CELL PHONE TRACKING

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TuCS COMPUTER
SON SOCIETY



An International
Association of Technology
& Computer User Groups

**Web location for this
presentation:**

<http://aztcs.apcug.org>

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"Meeting Notes"

SUMMARY

Cell phones can be tracked in many ways. Here is a list of Web sites with information from two perspectives: how you can track a cell phone and how you can prevent a cell phone from being tracked.

TOPICS

- Cell Phone Tracking
- "GSMK Cryptophone"
- "IMSI Catchers" = "Stingrays" and "Dirtboxes"
- "Standalone 5G" Defends Against "Stingrays" and "Dirtboxes" But "Non-Standalone 5G" Does Not

CELL PHONE TRACKING

- <https://www.easeus.com/virtual-location/how-to-make-your-phone-impossible-to-track.html>
- <https://www.famikeep.com/protect/can-my-phone-be-tracked-if-location-services-is-off.html>
- <https://www.makeuseof.com/phone-tracked-location-services-switched-off/>

CELL PHONE TRACKING (continued)

- <https://dataoverhaulers.com/check-mobile-phone-location/>
- <https://techpp.com/2013/08/22/track-phone-turned-off/>
- <https://community.verizon.com/t5/iPhone-6/How-do-I-prevent-location-services-from-being-turned-off/td-p/777147>

CELL PHONE TRACKING (continued)

- <https://www.cnet.com/tech/mobile/google-is-probably-tracking-your-location-even-if-you-turn-it-off-says-report/>
- <https://drfone.wondershare.com/virtual-location/gps-from-phone-number.html>
- <https://www.pcmag.com/how-to/how-to-get-google-to-quit-tracking-you>

CELL PHONE TRACKING (continued)

- <https://www.imobie.com/icloud-unlock/locate-a-lost-cell-phone-that-is-turned-off.htm>
- <https://itoolab.com/location/how-to-turn-off-location-without-the-other-person-knowing/>
- <https://safeonline.ng/communications/how-to-prevent-cell-phones-from-being-tracked/>

CELL PHONE TRACKING (continued)

- <https://abc3340.com/news/abc-3340-news-iteam/how-to-stop-cellphone-apps-from-tracking-you-and-selling-your-information?SRC=link>
- <https://apple.stackexchange.com/questions/192935/if-i-disable-location-services-will-find-my-iphone-continue-to-work>

CELL PHONE TRACKING (continued)

- <https://www.apple.com/legal/privacy/data/en/location-services/>
- <https://inspiredelearning.com/blog/location-services-can-i-be-tracked-even-if-i-turn-it-off-part-1-of-2/>
- <https://inspiredelearning.com/blog/location-services-can-i-be-tracked-even-if-i-turn-it-off-part-2-of-2/>

CELL PHONE TRACKING (continued)

- https://en.wikipedia.org/wiki/Mobile_phone_tracking
- <https://slate.com/technology/2013/07/nsa-can-reportedly-track-cellphones-even-when-they-returned-off.html>
- <https://ssd.eff.org/en/playlist/privacy-breakdown-mobile-phones>

CELL PHONE TRACKING (continued)

- <https://www.rd.com/article/red-flags-someones-tracking-your-cell-phone/>
- <https://www.dignited.com/32554/leaving-gps-or-location-on-phone-battery/>
- <https://myphonelocater.com/2019/02/22/why-your-phone-can-still-be-tracked-even-when-gps-is-turned-off/>

CELL PHONE TRACKING (continued)

- <https://onezero.medium.com/your-iphone-has-a-hidden-tracking-list-of-every-location-youve-been-c227a84bc4fc>
- <https://theconversation.com/your-mobile-phone-can-give-away-your-location-even-if-you-tell-it-not-to-65443>

CELL PHONE TRACKING (continued)

- <https://www.techrepublic.com/article/your-smartphone-can-be-tracked-even-if-gps-location-services-are-turned-off>

"GSMK CRYPTOPHONE"

- <https://www.cryptophone.de/>

"IMSI CATCHERS" = "STINGRAYS",
"HAILSTORMS", AND "DIRTBOXES"

- <https://en.wikipedia.org/wiki/IMSI-catcher>
- <https://en.wikipedia.org/wiki/Stingray>
- https://en.wikipedia.org/wiki/Stingray_phone_tracker
- [https://en.wikipedia.org/wiki/Dirtbox_\(cell_phone\)](https://en.wikipedia.org/wiki/Dirtbox_(cell_phone))

"IMSI CATCHERS" = "STINGRAYS",
ETC.. (continued)

- <https://www.scienceabc.com/innovation/what-is-a-dirtbox-can-it-intercept-your-calls-and-messages.html>
- <https://www.cloudwards.net/how-to-block-stingray-surveillance/>
- <https://711web.com/how-to-stop-stingray-surveillance-on-your-cell-phone-in-2021/>

"IMSI CATCHERS" = "STINGRAYS",
ETC.. (continued)

- <https://theintercept.com/2020/07/31/protests-surveillance-stingrays-dirtboxes-phone-tracking/>
- <https://www.androidpolice.com/qualcomm-has-a-solution-for-stingray-devices-hijacking-your-cell-connection-and-apps-will-be-able-to-use-it-too/>

"IMSI CATCHERS" = "STINGRAYS",
ETC. (continued)

- <https://5gfreecalifornia.org/2019/11/30/stingray-mass-surveillance/>
- <https://www.businessinsider.com/ghislaine-maxwell-fbi-tracked-cell-phone-data-2021-1>

"IMSI CATCHERS" = "STINGGRAYS",
ETC. (continued)

- <https://jolt.law.harvard.edu/assets/articlePDFs/v34/7.-Butler-Stingray-Stung-Analyzing-Cellphones-as-Effects-Provides-Fourth-Amendment-Treatment.pdf>

"STANDALONE 5G" DEFENDS
AGAINST "STINGRAYS" AND
"DIRTBOXES" BUT "NON-
STANDALONE 5G DOES NOT

- <https://www.techrepublic.com/article/how-5g-could-prevent-stingray-style-surveillance-and-keep-business-travelers-safer/>
- <https://www.macobserver.com/link/5g-exposes-phones-stingray/>

"STANDALONE 5G" DEFENDS
AGAINST "STINGRAYS" AND
"DIRTBOXES" BUT.. (continued)

- <https://www.lightreading.com/security/5g-defends-against-imsi-catchers---but-implementation-is-critical/d/d-id/771471>

"STANDALONE 5G" DEFENDS
AGAINST "STINGRAYS" AND
"DIRTBOXES" BUT..(continued)

- <https://www.baysidenews.net/5g-shortcut-leaves-phones-vulnerable-to-stingray-monitoring/>

"STANDALONE 5G" DEFENDS AGAINST "STINGRAYS" AND "DIRTBOXES" BUT.. (continued)

- <https://hitechglitz.com/a-5g-link-exposes-most-phones-to-stingray-surveillance/>
- <https://thehill.com/policy/cybersecurity/408858-experts-see-5g-as-defense-to-stingray-spying>

"STANDALONE 5G" DEFENDS AGAINST "STINGRAYS" AND "DIRTBOXES" BUT.. (continued)

- <https://www.techrepublic.com/article/how-5g-could-prevent-stingray-style-surveillance-and-keep-business-travelers-safer/>
- <https://www.zdnet.com/article/stingray-spying-5g-will-protect-you-against-surveillance-attacks-say-standards-setters/>

"STANDALONE 5G" DEFENDS AGAINST "STINGRAYS" AND "DIRTBOXES" BUT.. (continued)

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