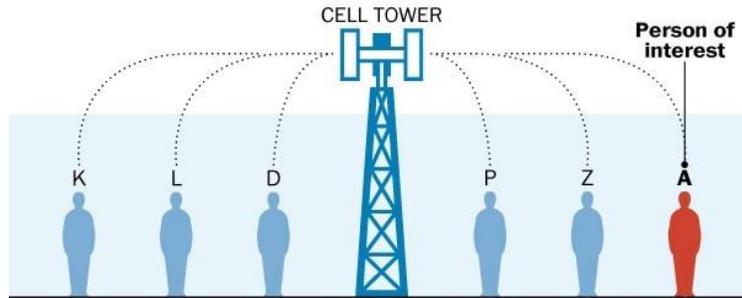


# How a Cell Site Simulator Works

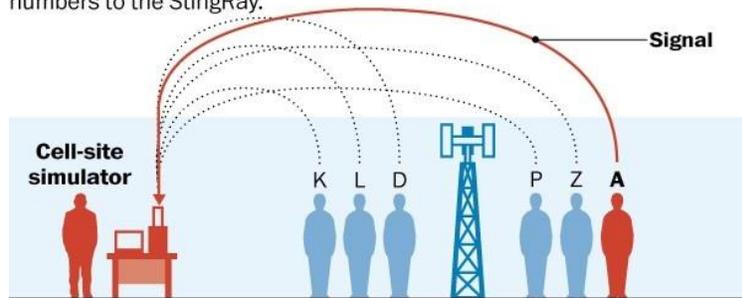
## HOW MOBILE DEVICES CONNECT TO A NETWORK

Cellphones connect to nearby cell towers to link to the network in order to send or receive phone calls, messages or data.

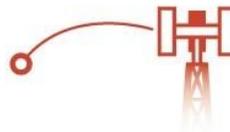


## HOW A STINGRAY WORKS

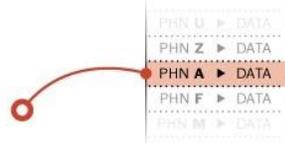
When the device is turned on, it simulates a cell tower, forcing cellphones in the area to register with it. The phones need not be in use. The mobile phones transmit their phone numbers and their unique electronic serial numbers to the StingRay.



When the equipment is on, it may intermittently interrupt cellular service to phones in the area.



Some devices are able to collect data showing the most recent cell tower a phone connected with.



Some models, once locked onto a target phone, can collect metadata such as phone numbers dialed.



Sometimes the device forces mobile phones to transmit at full power, draining their batteries more quickly.

## WHAT IT LOOKS LIKE

Model names for these devices include KingFish, AmberJack, HailStorm and StingRay, all of which are manufactured by Harris Corp. of Melbourne, Fla. The company sells the StingRay model for \$68,000-\$134,000.

