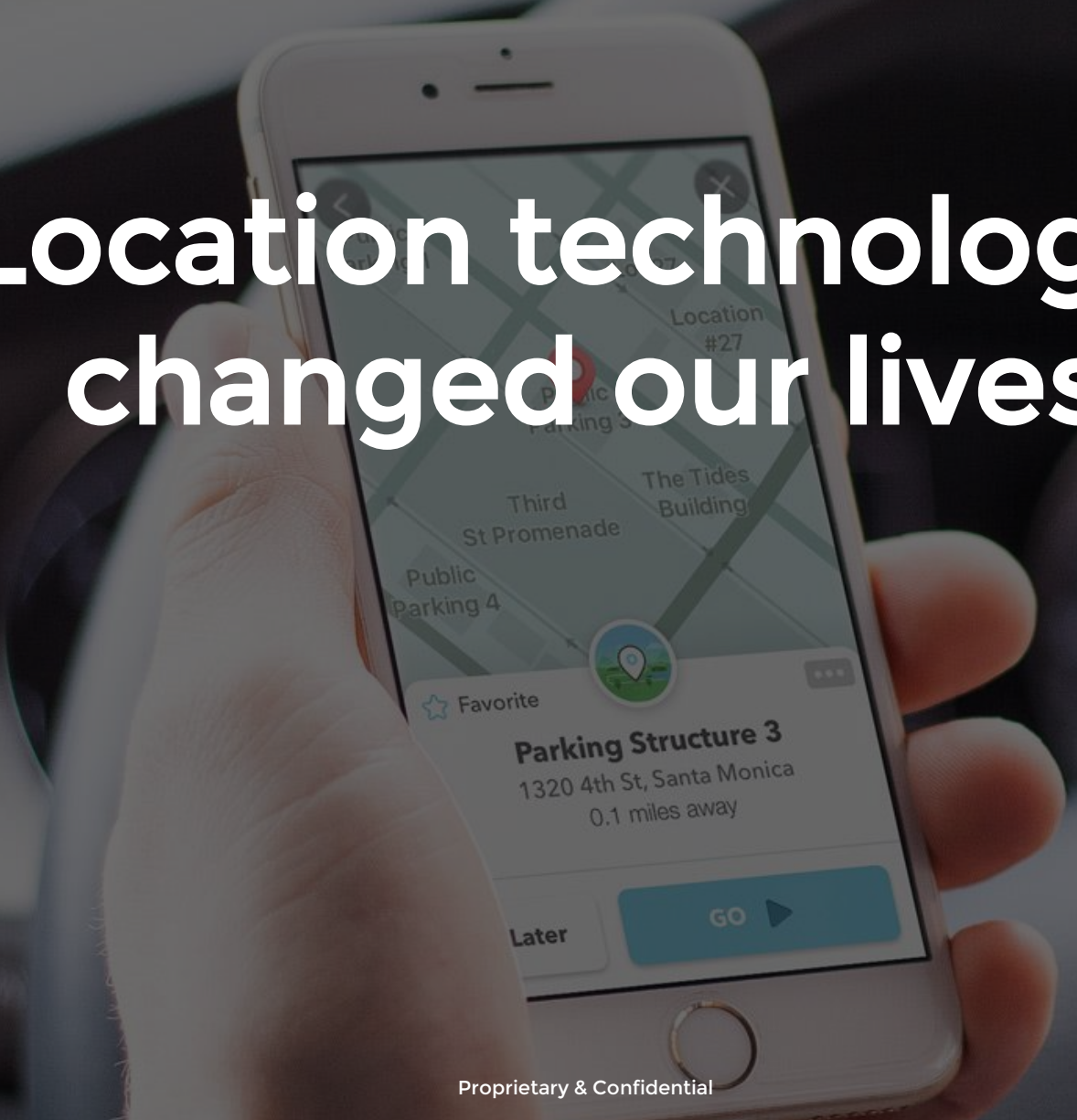# DEEYOOK

Straight to the point

Location technology changed our lives

Location technology changed our lives

WHEN ALL IT CAN SEE IS...

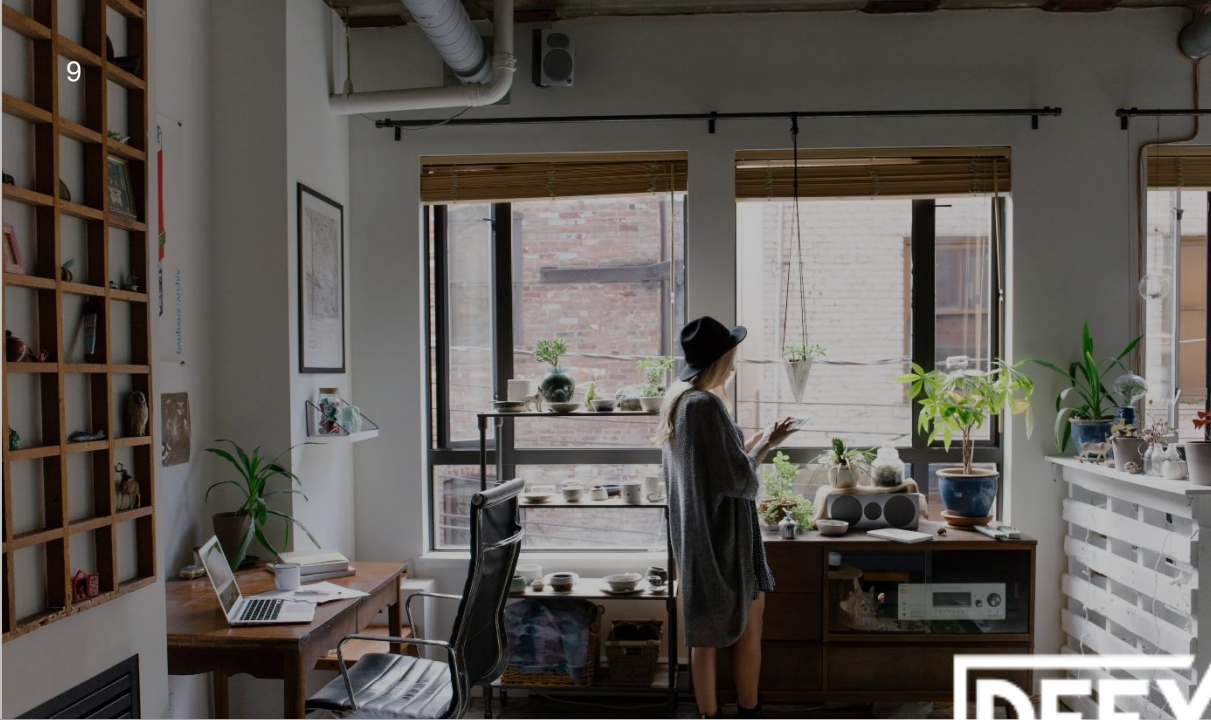**Imagine what a leap forward can be made with a location technology**

THAT SEES EVERYTHING

DEEYOOK

DEEYOOK

Ultra precise positioning

INDOOR & OUTDOOR

ACROSS ALL WIRELESS PLATFORMS

DEEYOOK

OUR SOLUTION

A patented wireless-based firmware solution that is

- ✓ Self-learning
- ✓ Ubiquitous
- ✓ Ultra-precise (~10 cm)
- ✓ Passive, infrastructure agnostic
- ✓ Absolute indoor and outdoor positioning
- ✓ Low power consumption
- ✓ Enables granular privacy

DEEYOOK

WHAT DO
WE DO

ASSET TRACKING // PEOPLE TRACKING

___

INDOOR
OUTDOOR

WiFi
WiFi, LTE & 5G

ANY PERSON:

Employees, customers and first responders

ANY VEHICLE:

Cars (Uber), Cargo Ships and AGVs

ANY ASSET:

Stationary i.e., long-term vehicle storage, office assets, etc.

Portable i.e., packages, luggage, shipping pallets, etc.
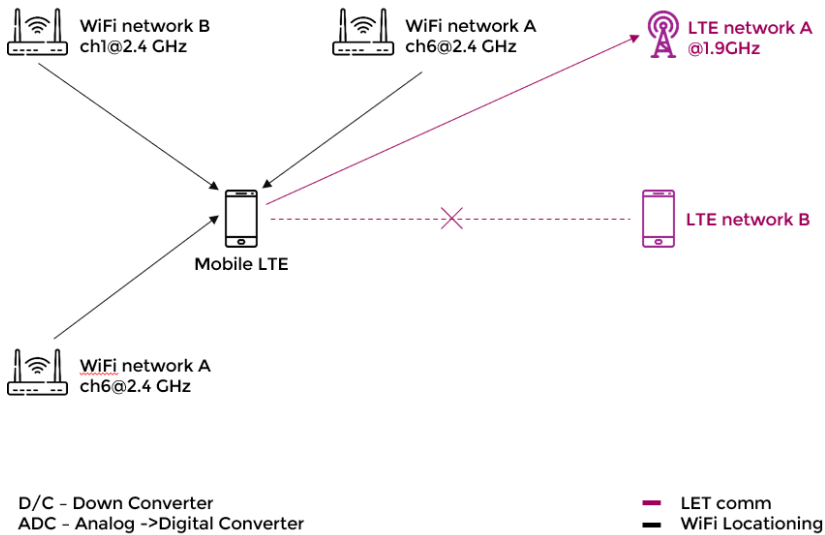
Mobile i.e., scooters, drones, etc
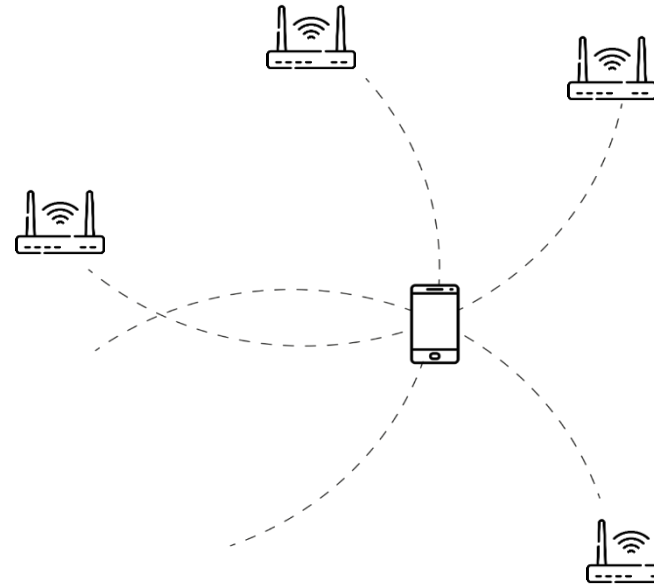
Any Mobile Device.

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THE BREAKTHROUGH

Two granted patents:
Patents US 9,814,051 B1 & US 10,182,315 B2
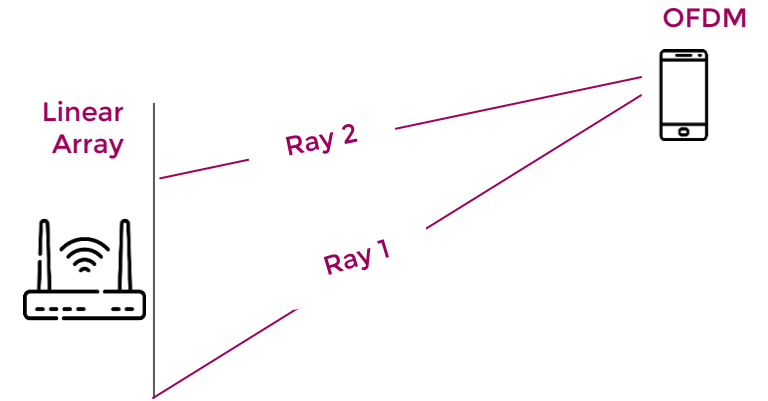Identifying angles of departure of multi-antenna transmitters

Seven additional patents are currently in process

WiFi network B
ch1@2.4 GHz

WiFi network A
ch6@2.4 GHz

LTE network A
@1.9GHz

LTE network B

Mobile LTE

WiFi network A
ch6@2.4 GHz

D/C – Down Converter
ADC – Analog ->Digital Converter

▬ LET comm
▬ WiFi Locationing

OFDM

Linear
Array

Ray 2

Ray 1

EXSITING CELLULAR MODEM TO IMPLEMENT WIFI LOCATIONING

PRECISE PASSIVE TIME OF FLIGHT (PTOF)

ANGLE MEASURMENT

DEEYOOK

DEEYOOK'S BREAKTHROUGH ENABLES

UBIQUITOUS LOCATIONING INDOOR, OUTDOOR AND ACROSS ALL WIRELESS MEDIUMS

10CM/4 INCHES ACCURACY

PASSIVE, NON-INVASIVE, AND PRESERVES PRIVACY

DEEYOOK

DEEYOOK SENSING TECHNOLOGY AND DATA PRIVACY

Location technologies that rely on a network connection (logging-on) and data interception are intrusive – i.e. they rely on data transmission and expose personal information.

Anytime you attach a device to the "network" you create vulnerabilities and expose yourself to potential rogue agents.

Deeyook sensors only "sense" and do not attach your device or end-point to the network. They are completely passive and do not rely on data transmission to determine location. Deeyook delivers granular privacy- the ability to fully geofence your location information.

THE DEEYOOK POSITIONING SYSTEM IS SELF-LEARNING.

Every sensor continuously reviews all location information within its vicinity and locates OFDM APs' (WIFI and later LTE & 5G) exact positions (with a 10-cm accuracy rate).

The exact position of each AP is stored in the cloud database.

A global database of APs is created that allows a new way of mapping.

Google has spent billions of dollars wardriving to create a database of APs that features a 5-30-meter accuracy rate. A comparable Deeyook database is self-learning, self-correcting with a 4 inch accuracy rate.

DEEYOOK

KEY FEATURES

Utilizes ubiquitous infrastructure of 1.7 billion APs and base stations from DAY 1

Firmware based Solution

Passive and non-invasive location-data extraction

10cm accuracy – 4 inches

Power consumption is a fraction of that of a GPS (no satellite acquisition)

Effective and robust, both indoors and outdoors (weather proof)

Super fast cloud connection due to thin pipe backhaul & offline operation

self improving by implicit crowd sourcing and machine learning

THANKS

info@Deeyook.com

DEEYOOK

Straight to the point