

# floor51

EXCEPTIONAL::SOFTWARE

Get In Touch

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Monitor physical waveforms on all bands  
on all networks in a market simultaneously

## INTRODUCING RX-51 SDR FROM FLOOR 51

An expected topology is automatically generated and is then used as a baseline from which anomalous activity can be identified



LIME SDR PLATFORM

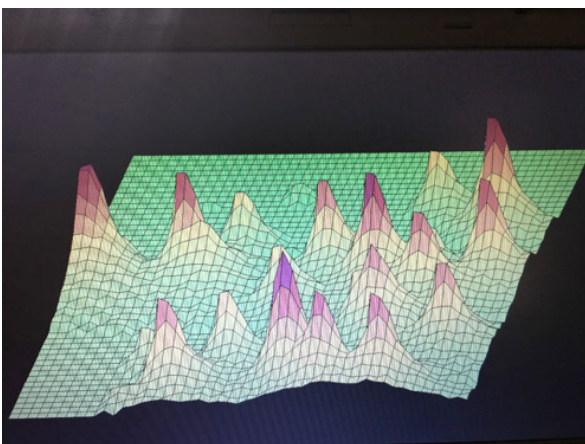
## Use cases include

Detecting and providing forensic evidence of interference

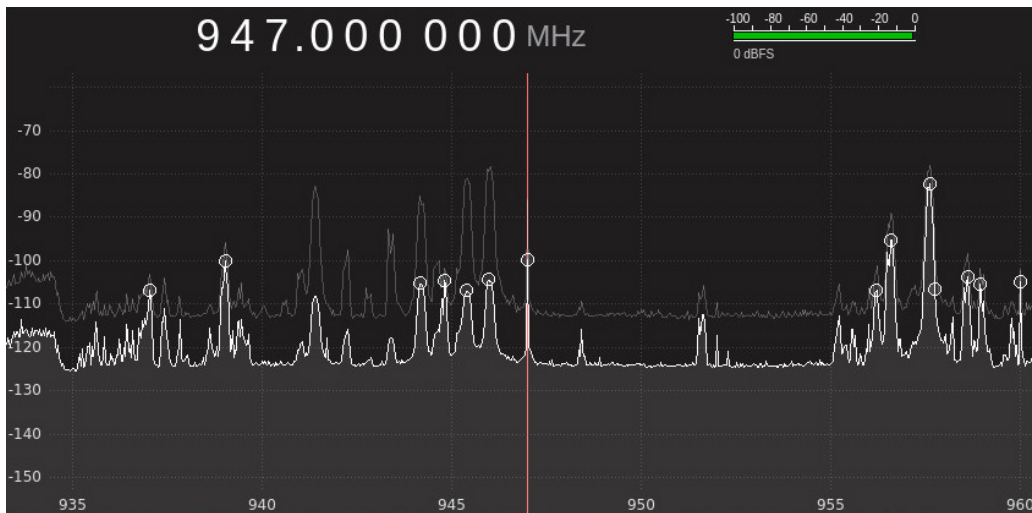
Identification of rogue cell sites and IMSI grabbers with signature analysis

Verification of new cell sites as a key part of the optimisation process, especially significant of small cells and increasingly so for heterogeneous radio environments.

Permanent on site monitoring with alarms and analytics



THE WATERFALL TOPOLOGY VIEW



**DETECTS:**

- LONGEVITY
- FREQUENCY
- DRIFT
- BANDWIDTH
- PHASE
- NOISE
- JITTER

**ACCESS ALL SIGNAL ACTIVITY ABOVE A DEFINED LEVEL**

**Features include:**

Captures the physical power levels of multiple base stations across multiple blocks of spectrum

Automatically create a reference topology of the local radio environment

Captures intermittent anomalies that may occur only very briefly, for as little as 80ms, for which manual data collection is too labour intensive

Confidential offline private version and online upload versions are both supported

Administer either via WiFi locally or via cellular remotely

Physical waveform analytics

Support for alarming and reporting of anomalies

Collected data is used to enhance the detection algorithms

Front end radio enhancements including limiters, band pass filters and low noise amplifiers

High quality external antennae provide the maximum sensitivity and longest range

Optional weather proof and radio friendly IP-67 rated enclosures and customer specific device and enclosure builds



**ENCLOSURE**