

White Paper

# Mobile Information Devices

The Hidden Threat Within

Dee Andrews Ph.D

## Cellbusters' Technology

### **Mobile Device Detection Technology by Cellbusters.**

Cellbusters has been at the forefront of Cellular Detection since 1999 and has developed one of the most advanced Cellular and Frequency Detection systems on the market today. Using Active Monitoring Technology™ developed by Cellbusters, the detection system is always on, and continually logging events as they happen in real time.

This stored information can give you 'Actionable Intelligence' to act on alerts that may pose a threat to your organization. The system can even send email and SMS alerts to inform security of possible threats.

In many cases institutions try to stop unauthorized and contraband cell phones from entering a restricted area. However, this can sometimes give a false sense of security, as they are not monitoring the restricted area itself and any cellular activity will go unnoticed. This is why it is essential to have a monitoring system in place to give you complete coverage, and ensure everyone is adhering to your cell phone restriction policies.

The Zone Protector™ and Zone Manager™ make up the overall system, a combination of hardware and software working together to give you peace of mind that your facility is protected from unauthorized mobile devices, which include cell phones, iPads and other tablets, laptops and Wi-Fi enabled devices. When you invest in Cellbusters technology, you know that you are making an investment in your security that will last for years to come.

### **Important considerations when selecting a cell phone detector**

When choosing a cell phone detector (or any other technology for that matter) you will no doubt want to future proof your investment and ensure it does not become obsolete a few months later. The majority of cell phone detectors on the market today are totally restricted by their fixed hardware design. In other words, they are designed and manufactured at a fixed point in time to detect certain frequency ranges, and cannot be changed or updated should new cellular frequency ranges emerge in the future. An example of this might be the advent of 5G in the near future. The Zone Protector™ however, is a true Software Defined Detector™ and no such restrictions apply. This revolutionary design enables you to easily add, remove or modify frequency ranges and settings via the intuitive web interface as required anytime in the future.





## Zone Protector™ and Zone Manager™

### Advantage of Cellbusters' unique Software Defined Detector™

Hardware controlled cell phone detectors are designed to detect frequency ranges once they leave the factory. As new cellular frequencies and protocols emerge such devices will no longer be capable of detection given their fixed design.

However, the Zone Protector™ is a true Software Defined Detector™, meaning it takes just seconds to add the new protocols or frequencies such as 5G, Wi-Fi etc. via the web interface or firmware update. Furthermore, you can add any frequency in the detection range that you require (not just cell phone frequencies). You can program the Zone Protector™ to detect such devices as two-way radios, Bluetooth enabled products and even bugging devices. The Zone Protector™ gives you full flexibility and control resulting in a robust, agile and future-proof solution.

### Adding the optional Zone Manager™ software for multi-detector monitoring

If you need a management system that can monitor many Zone Protectors™ from a single piece of software then Zone Manager™ is the perfect tool for this. A map of your facility can be loaded into the software and each of the networked Zone Protectors™ can be represented on the map in their true location. You can then view alert locations on an interactive map of your facility, download collated alert data for easy analysis, or use the interactive graph feature to quickly identify problem areas and trends. Zone Manager™ can be installed on premises or as a cloud service delivered and supported by Cellbusters.

### Zone Manager™ Cloud

Leverage all the benefits and features of Zone Manager™ but without the overhead and responsibility of managing and maintaining an on premise server. Zone Protectors™ located in a single building or distributed around the globe can communicate with Zone Manager™ Cloud over a standard Internet connection. Accessible from any web browser, Zone Manager™ Cloud enables you to view real-time alerts on facility maps, generate reports for analysis, or view graphs to easily identify security breaches or activity trends over time.



## Zone Manager™ Cloud

### Examples of where Cellbusters Detection Technology might be used

Cellbusters military and government customers use the technology to protect areas that have been designated cell phone restricted. Such areas include SCIFs (Sensitive Compartmented Information Facilities) where top secret and sensitive information is discussed and disseminated.

Financial institutions and corporations are able to protect intellectual property and sensitive customer data. Correctional facilities can ensure that contraband cell phones are not used to continue criminal enterprises behind bars. Board rooms and lawyers' offices can be secured to prevent eavesdropping on sensitive and private conversations. Industry can use the technology to prevent people from entering hazardous areas with cell phones, and stop employees from using cell phones while operating machinery. Even educational institutions are using the technology to prevent cheating during exams. The TSCM (Technical Surveillance Counter Measures) industry uses the device to detect bugs, GPS tracking devices and other hidden transmitters. In fact, this technology can be used almost anywhere there is a need to control the use of cell phones and other mobile transmission devices.

