



# SPECTRUM SENSING TOOLBOX

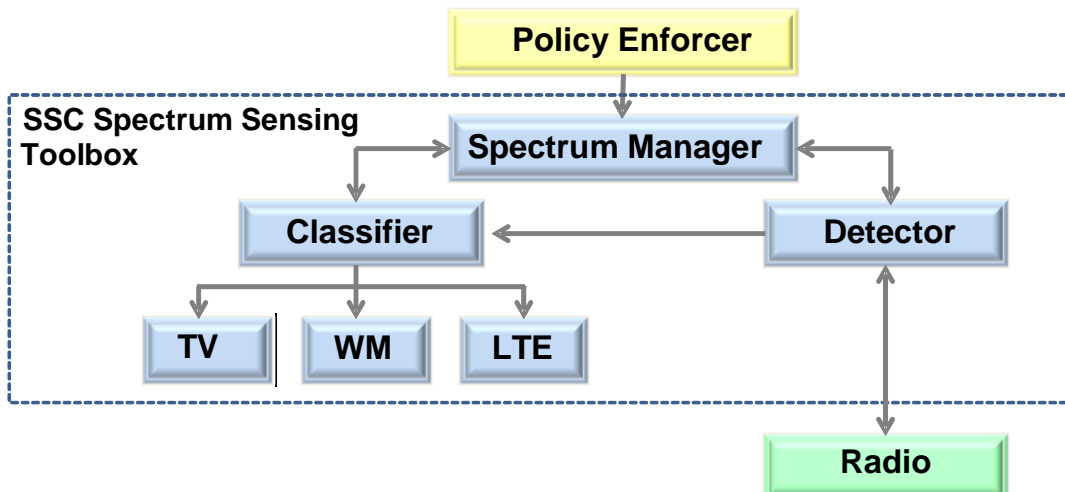
The SSC Spectrum Sensing Toolbox (SST) is an innovative software package that enables highly reliable radio frequency sensing by wireless devices operating in the TV White Spaces (TVWS) and other spectrum bands. The SST helps wireless devices access more spectrum and improve quality of service by accurately detecting TV transmitters, wireless microphones, long term evolution (LTE) devices, and other emitters that may cause interference.

## KEY FEATURES

- Performs ATSC, NTSC, wireless microphone, LTE, and wideband signal detection, and classification functions on signals in TV and other bands
- Selects best frequency based on local sensing, database assignments, and user preference
- Low false alarm rate in high ambient man-made noise conditions
- Ranks channels based on user-defined quality of service
- Configurable scheduler targets designated frequencies, processes results, and maintains spectrum information
- Scan rate on the order of milliseconds
- No *a priori* information needed for the LTE classifier
- Over-the-air policy based control and configuration

## ADVANTAGES

- Delivers quality of service beyond TVWS databases
- Access more available spectrum
- Rapid software integration via well-defined APIs
- Flexible framework to support additional detectors and classifiers
- Requires a fraction of a cell phone equivalent processor
- Over a decade of engineering and field testing for military and commercial customers
- Inexpensive reference platforms available now



For more information go to [www.sharespectrum.com](http://www.sharespectrum.com)

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