



Check TV White Space Channels

Search Location
Enter one of the following search criteria:
• Latitude Longitude (at least one behind the decimal)
• Street Address (google format)
• ZIP Code (10015)

Or select the location on the map

Select Channel
 Select all
2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31
32 33 34 35 36 37 38 39 40 41
42 43 44 45 46 47 48 49 50 51

Protected Area
 Select all
 TV Channel Waiver PLMRS/CMRS
 BAS Link Offshore Radio Telephone
 Translator Astronomy
 Metropolitan PLMRS/CMRS Border Areas

Fixed < 3m

Distance Measurement
1,000,000,000 km miles

Location Information
Place: 415 W Scott St, Chicago
IL 60610, USA
Coordinate: 41.905638, -87.639520
HAAT: 0.54 m

Available TV White SPACE Channels
2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31
32 33 34 35 36 37 38 39 40 41
42 43 44 45 46 47 48 49 50 51

Available Reserved Microphone
 Unavailable Microphone
 Prohibition of use

Map

If you have some difficulties about using map click Help

Spectrum Management



Dynamic Spectrum Access

DSA, LSA and white space database solutions

Enabling Dynamic Spectrum Access (DSA)

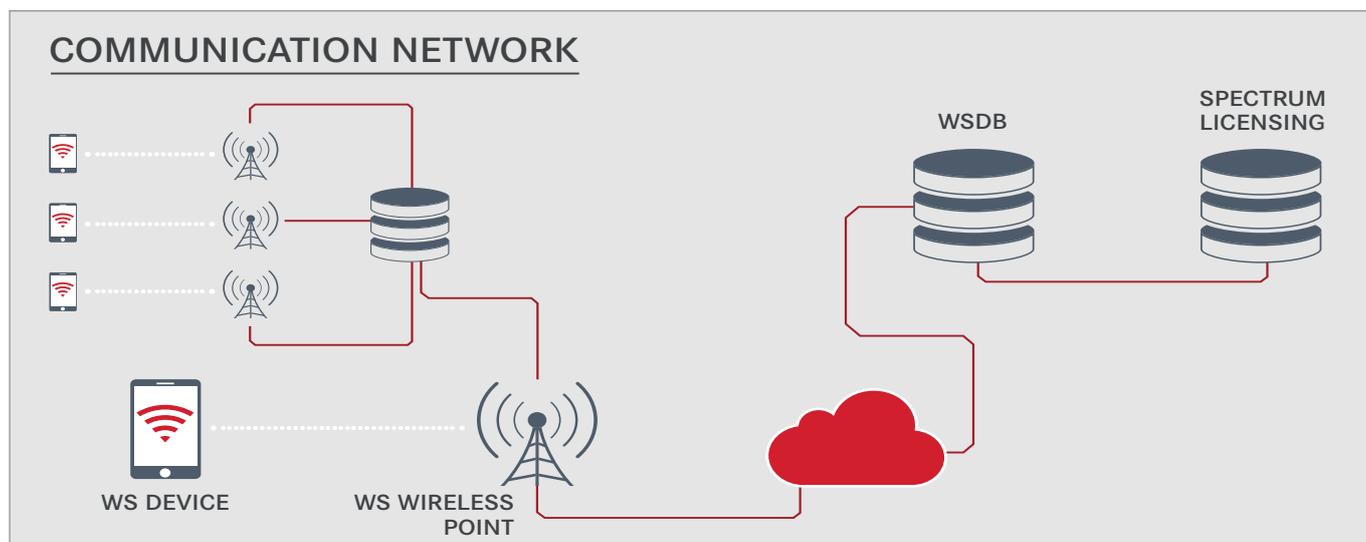
Spectrum has become a precious and scarce resource in many regions of our planet. This raises the demand for more innovative use of the resource rather than just distributing it amongst the eligible parties according to given standards or on a first come first serve strategy. Looking at the real spectrum usage nowadays, even in populated areas many frequencies are unoccupied for most of the time. As a consequence, Dynamic Spectrum Access can be a solution. So far, in the license exempt areas, technologies like Wi-Fi, using listen before talk, were the choice for many years. TV white space as an initial

representative of dynamic spectrum access now reaches out into the real licensed world of TV frequencies.

LS telcom provides powerful DSA databases that allow you to make use of the white spaces. Self-negotiating devices communicate directly with such databases and receive usable frequencies in a fully automated manner. For this purpose, the requesting devices need to report their location and device type and are registered in the database. In return, they get a list of available frequencies e.g. refreshed every 15 minutes.

The dynamic spectrum database approach consists of

- The whitespace management database (WSDB), which includes the whitespace spectrum assignments, registration and authorization
- The spectrum license database, including spectrum license data of incumbent users and protected spectrum
- Infrastructure with a large number of access points
- The consumer access devices



White space management solution

How does it work?

1. The user of a whitespace device requests access to the whitespace database
2. The user is registered and access is provided and authorized
3. The user can then make a request for available whitespace channels
4. Available channels are assigned and authorized

There are periodic updates and control messages between the whitespace database and the spectrum license database to guarantee interference-free use of all frequencies.

For further information, please visit our website www.LStelcom.com or contact Info@LStelcom.com.