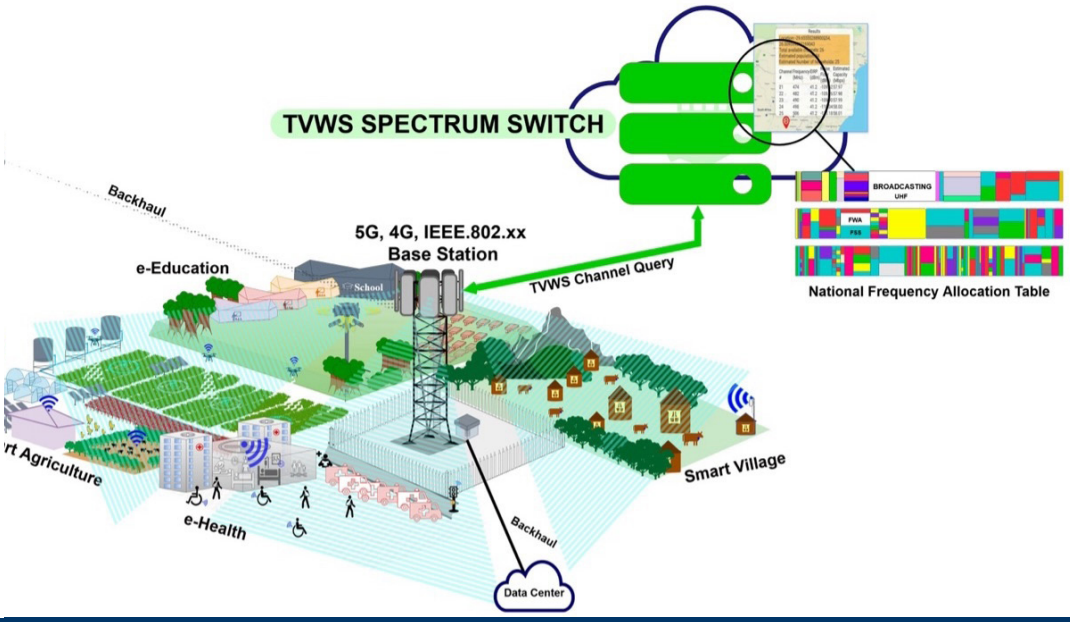
TVWS Spectrum Switch: Technology for enabling deployment of affordable broadband connectivity!



WHAT IS TVWS?

Television White Spaces (TVWS) are unused portions of the radio spectrum in the TV broadcasting band.

Key benefits:

- Travels long distances and penetrates obstacles;
- Enables 4IR applications and supports United Nations Sustainable Development Goals; and
- Offers high broadband speeds over tens of kilometres.

Spectrum Switch

Spectrum Switch is an innovative Dynamic Spectrum Access technology developed by the CSIR for empowering network operators to deploy 5G/4G/IEEE 802.XX network infrastructure by harnessing TVWS spectrum

Key features:

- Seamless integration with existing core networks;
- Simplifies rural coverage expansion; and
- Supports diverse connectivity use cases.

Deployment use cases:

- Rural broadband (5G/4G/IEEE.802.xx)
- Private enterprise networks
- Campus connectivity
- Neutral host infrastructure
- Security/CCTV networks
- Internet of things solutions: (Smart agriculture, smart villages/townships/cities, E-learning, E-health)

Our value proposition:

- Reduced total cost of ownership by up to 30%;
- Lower cost to communicate for remote users;
- No licence fees due to abundant TVWS availability; and
- We also provide technical expertise on network planning, deployment and support for OEMs.

E: tvws@csir.co.za | **www.csir.co.za**

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