



AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE

## TV White Spaces

25<sup>th</sup> August 2014, AFRALTI, Nairobi, Kenya

### PROGRAMME

DAY/DATE	TIME	SESSION
<b>Day 1 – Monday 25.08.2014</b>	8.30 – 8.45 am	Registration
	TV White Spaces (TVWS) (1 hour)	What is known about TV White Spaces by the delegates? Participatory approach to determine the depth and emphasis for the workshop study
	Introduction to TV white Spaces (1 hour)	PowerPoint Presentation, Q and A.
	<i>10.45– 11.00 am</i>	<i>Health Break</i>
	TVWS network design (1 hour)	Star topology Merits and demerits discussion using Carlson radio equipment <b>Emphasis on but not limited to:</b> the spectrum mask measurement for the TVWS channels
	TVWS network design (1 hour)	Mesh topology (Merits and demerits using Doodle lab TVWS cards for AP setup in PC engines. <b>Emphasis on but not limited to:</b> the spectrum mask measurement for the TVWS channels
	<i>1.00 – 2.00 am</i>	<i>Lunch Break</i>

	<p><b>2.00 - 4.30 pm</b> (a) Applications examples on the usefulness of TVWS networks (b) Designing of TVWS antennas to reduce equipment cost in Africa</p>	<p><i>Part (a):</i> For the applications, a presentation will be made. However, it will attract the delegates to suggest more applications, leading to a useful discussion on how to implement such apps for a better Africa.</p> <p><i>Part (b):</i> For the TVWS antenna design, a short lecture will be given on antenna design using free electromagnetic solvers like 4NEC2. A practical solution will be demonstrated.</p>
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**Facilitator:** *Dr. Chomora Mikeka*