



White Space Rural Broadband Testbed

Isle of Bute

Overview...

- Collaborative R&D project, supported by the UK's ***Technology Strategy Board***
- Six collaborating partners:



- 18-month duration: 1st Apr 2011 – 30th Sep 2012
- Aim: To build and test a trial White Space broadband network on the Isle of Bute, with microwave backhaul to the mainland

Location...



Coverage Area...

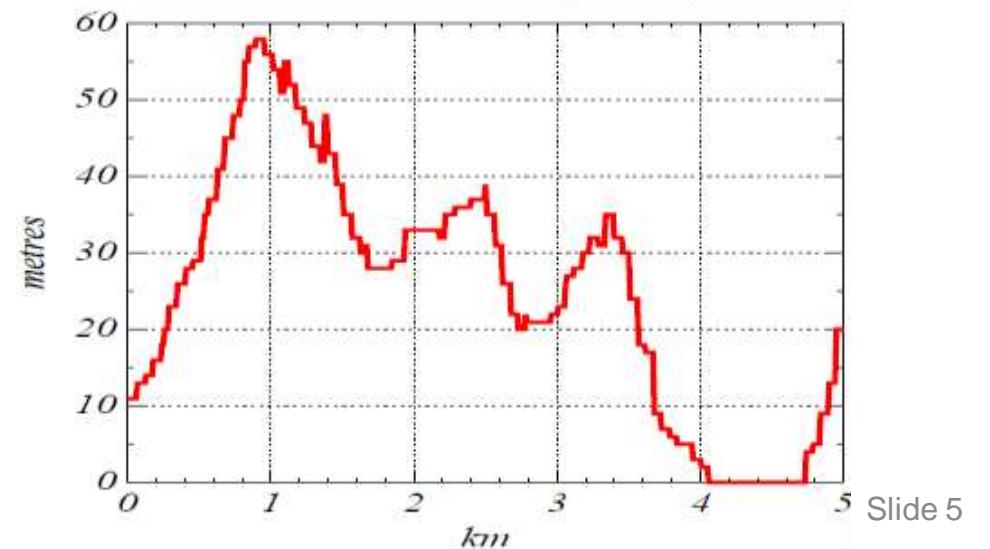
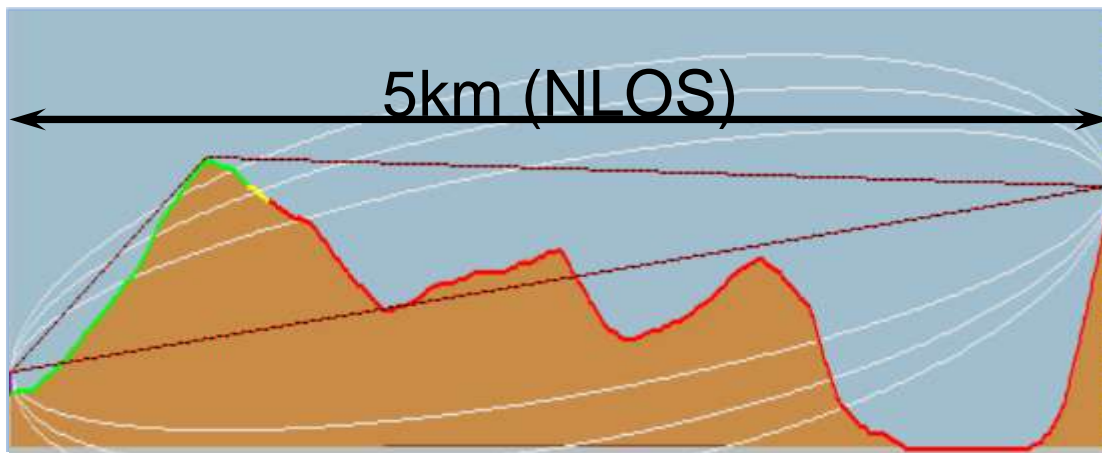


1km

BT Exchange



Challenging Terrain...



Equipment Set-Up...

Around 10 trial premises

- half equipped with Ubiquiti kit
- half equipped with Airspan kit



Flexible Software Defined Radio
with modified WiFi MAC layer



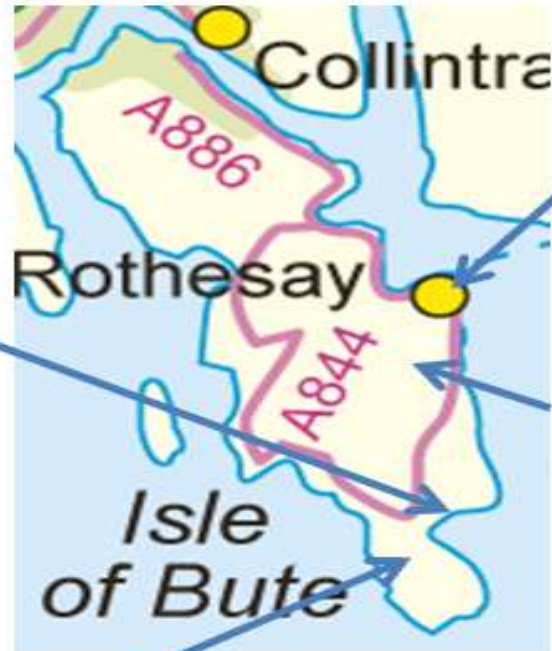
Flexible, reconfigurable
off-the-shelf TDD WiMAX

- Early trial results very encouraging
- Further test & evaluation planned

TV Channels – Bute...

PA20 9NR		
West Kilbride	90-97	41,44,47
Black Hill	62-75	40,43,46
Darvel	79-93	22,23,25,26,29,29

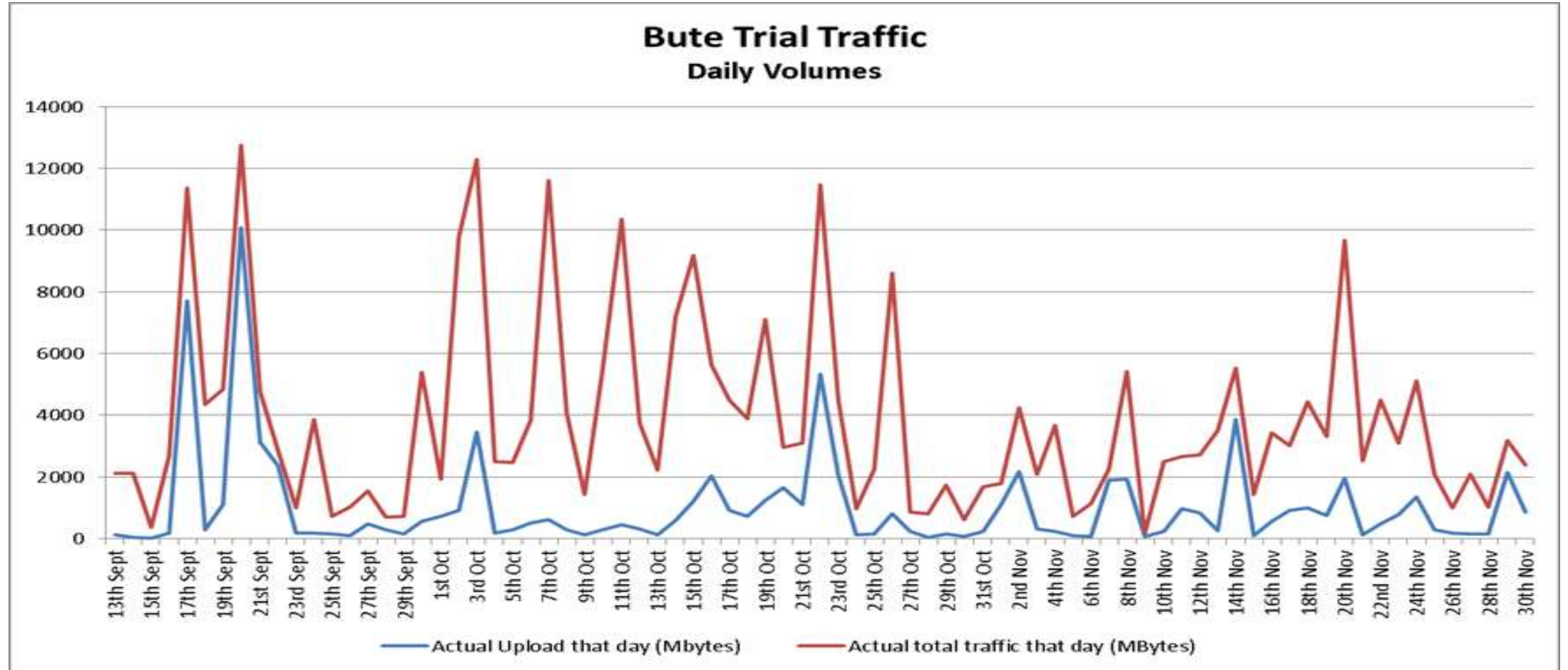
PA20 9LX		
South Knapdale	50	53, 57 ,60
Rothesay	45-57	22,25,28
Girvan	37-74	50, 55 , 59



PA20 0JD		
Rothesay Town	100	50, 55 , 59
Rothesay	100	22,25,28
Rosneath	60	53,54, 57 , 58 ,60,61

PA20 9PA		
Rothesay	99	22,25,28
Rothesay Town	55-65	50, 55 , 59

Usage Statistics...





For further information, please visit:

www.wirelesswhitespace.org