The case for an IMT identification in the L-band* at WRC-15

Mobile data traffic is growing so rapidly that new mobile broadband spectrum will be essential to prevent a network slowdown

GLOBAL MOBILE DATA GREW

45x

from 2008-2013

1452-1492MHz

TENANTS WANTED

A large portion has been reserved for digital audio broadcasting in many countries, and in the majority of these it remains unused creating the perfect basis for an identification

EUROPE ALREADY PLANS TO USE THIS PORTION FOR MOBILE BROADBAND

ITU sharing studies show mobile services can operate in the band without causing interference to other users if appropriate measures are taken

The characteristics of the L-band means it could provide a good mixture of mobile coverage and capacity



L-BAND WAVES ARE RELATIVELY LOW FREQUENCY SO WILL TRAVEL REASONABLY FAR AND PENETRATE BUILDINGS YET THERE IS ENOUGH BANDWIDTH TO PROVIDE GOOD DATA SPEEDS



Most of the band is already allocated to mobile on a primary basis worldwide so there is a major opportunity to quickly identify a globally harmonised IMT band

A GLOBAL MARKET MEANS LOWER COST MOBILE DEVICES WITH INTERNATIONAL ROAMING

Although an array of different services use the band, it remains under-utilised in most countries



Radar | Aeronautical telemetry | Broadcast satellite service | Fixed links

There are major economic benefits in favour of mobile in Latin America consumer surplus would reach

US$6.6 Bn BY 2017

WHICH IS **20x**

the cost of moving existing users



The L-band is proving to be a popular IMT target band among regulators around the world so is a good option for WRC-15

*1350-1400MHz & 1427-1518MHz

For more information visit: **www.gsma.com/spectrum4all** Email: **spectrum4all@gsma.com**