



# International Amateur Radio Union Region 1

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Subject	<b>2 MHz bandwidth for LTE400 and CDMA high speed data networks on 433 MHz</b>		
Society	<b>OeVSV</b>	Country	<b>Austria</b>
Committee	<b>C5</b>	Paper Number	<b>LA17_C5_28</b>
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## 1. Introduction

So far, the band plan of the 70 cm band is very fragmented and mainly focused on narrow band modes and repeaters.

## 2. Background

In the past, it has been preferably bands above 70 cm, which have been used for broad band applications (like ATV, DATV, High Speed data)

## 3. Key points and proposal

Since Amateur Radio Service is always expected to be at the forefront of technology, which has been demonstrated in the past several times, we expect our members to start with more modern broadband technologies on so called "Sub GHz" bands. The 70 cm band will be the first band, which will be effected by these experiments. We can already observe experimenters to use LTE technology (LTE400 with TDD and 2 MHz BW) or some CDMA-data transceivers for UHF to access the HAMNET backbone. Given modern SDR-transceivers it is expected to see a possible boom of such digital broadband modes. The benefit of using 70 cm is for non-line of sight paths.

## 4. Recommendation

We therefore propose to ensure a 2 MHz wide spectrum in 70 cm band plan for these upcoming digital broadband modes.