



# International Amateur Radio Union Region 1 2014 General Conference – Varna-Albena, Bulgaria

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<b>Subject</b>	<b>Protection of amateur satellite service in 435 - 438 MHz range from ATV/broadband data transmissions</b>		
<b>Society</b>	OeVSV	<b>Country:</b>	Austria
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## Protection of amateur satellite service in 435 - 438 MHz range from ATV/broadband data transmissions

### Introduction

Amateur Satellite radio service has proven an important role in defending our spectrum against other commercial claims. Likewise broadband data applications and Amateur television (ATV) has been widely used on 23 cm bands and up.

Because of GALILEO and other GPS-type applications some authorities try to restrict the use of 23 cm band for ATV.

Recent technical developments show the possibility for 2 MHz BW DATV in DVB-technology on the 70 cm band. Although this is some interesting technology, special care should be taken to protect weak signal and narrow band users of the Amateur Radio Satellite Service in the current 437 MHz range of our band plan.

### Proposal

**In order to provide necessary protection of weak signal users a footnote to existing 70 cm band plan should discourage the use of 436,0 – 438,0 MHz for DATV in national band plans within Europe.**

Because of high altitude of satellites even local use of strong wide band ATV repeaters/transmitter could block Satellite communication in Europe/Africa.

### Additional information

Please consider that current technology used for producing DATV signals often show only -35 dB reduction in signal at shoulders (2 MHz)