Your response

British Amateur Television Club (BATC) response to WRC Agenda Item 1.1 Possible allocation to the Amateur service in 50 - 54MHz in Region 1.

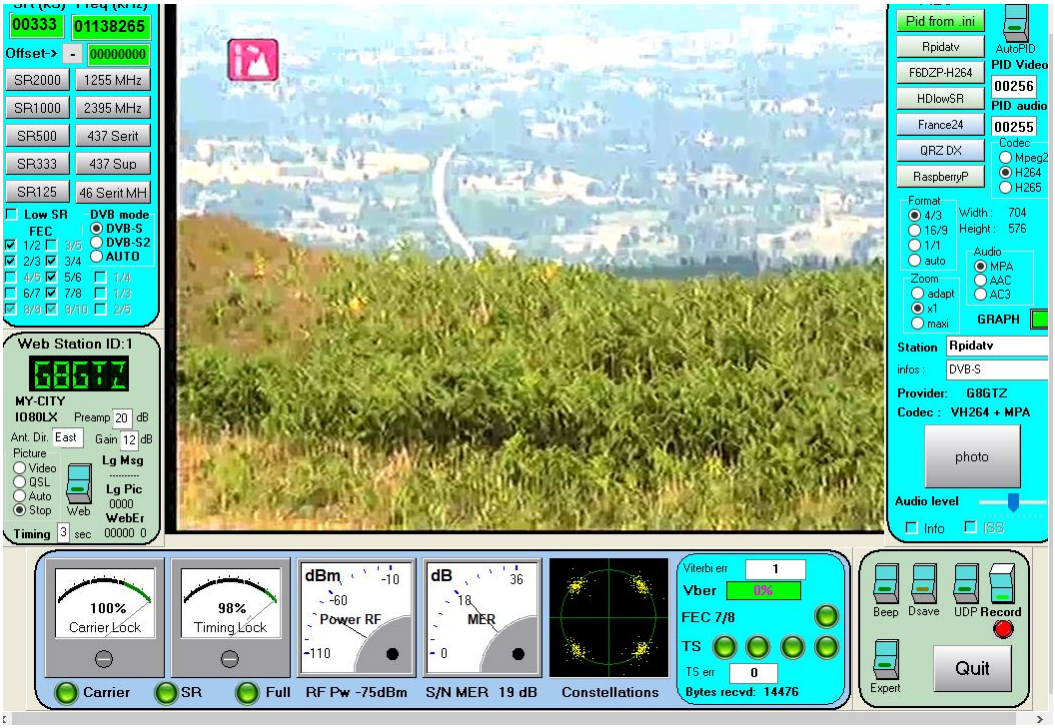
Over the past 4 years members of the BATC has conducted experiments and tests to show the viability of sending real time true High Definition video in bandwidths of less than 1 MHz on the recently allocated Amateur Radio spectrum at 146MHz and 71 MHz.

Ofcom have fully supported these tests and John Regnault, the RSGB VHF manager, has on 2 occasions presented the results to Kevin Delaney in Ofcom Spectrum Policy and Planning and the Business Radio Interest Group.

Following on from this success, where video was transmitted over distances up to 150Km using single carrier DVB-S modes, we are now keen to try similar experiments on 50 MHz where we think that by using certain advanced types of OFDM modulation, it may be possible to achieve distances of 100s if not 1,000s of Kms.

In order to minimise interference to other already established amateur services and give the potential to conduct experiments with operators in region 2 and 3, we would ideally conduct these experiments in the 52 – 54 MHz segment.

We believe harmonising 52 – 54 MHz in IARU region 1 would help us to achieve maximum benefit from these experiments which have already shown UK amateur radio operators to be innovation leaders in this field. We therefore ask that Ofcom actively support agenda item 1.1 rather than adopt a monitoring position.



Screen shot of real time video on 71MHz over an 87Km path