



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

21 – 27 September 2014



Subject	Ratification of Recommendation VIE13_C4_REC_01		
Society	Chairman HF Committee	Country:	
Committee:	C4	Paper number:	VA14_C4_04
Author:	Ulrich Mueller, DK4VW		

Ratification of Recommendation VIE13_C4_REC_01

RSGB Paper VIE13_C4_02 refers.

Introduction

The Amateur Satellite Service has ITU allocations that it shares with the amateur service on the 7, 14, 18, 21, 24 and 28 MHz bands. Only in the 28 MHz does our HF band plan define any specific preferred section of the band for amateur satellite operation. This is the section 29 300 – 29 510 kHz. It is denoted in the Region 1 band plan as 'downlink only'.

Background

It is understood that the 'downlink only' wording originated some 30+ years ago, when AO7, which is still operational, and some Soviet spacecraft used the band for downlinks, i.e. it reflected actual usage at the time rather than being intended as a sensible constraint.

It is noted that, whilst the Region 2 HF band plan presently has the same wording, the recently published Region 3 band plan does not.

Key Point and Proposal

10 m would actually make a very useful uplink band for small spacecraft as the path losses and Doppler shift are both very low and a reduced size receive antenna on the spacecraft could still provide a usable link budget with most HF transceivers

Recommendation

That the 'downlink only' restriction be removed from the 28 MHz amateur satellite service band plan.