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Subject	Microwave Contest Multipliers		
Society	RSGB	Country:	Great Britain
Committee:	C5	Paper number:	SC11_C5_46
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IARU R1 VHF Contest Rule 5.3.9 (Scoring)

Introduction

Updates are proposed to the Contest Scoring Rules to encourage development and exploitation of the millimetre wave bands

Background

The Conference is expected to review various proposals to update IARU-R1 VHF Contest rules.

RSGB has already shown its support for a Rover proposal in order to encourage microwave contest activity (similar to that already used in UK Microwave Group contests)

In the millimetre wave bands (24 GHz and above) most of this activity is by small numbers of low power portable stations that face increasing difficulty at higher frequencies (lower powers, poorer receiver noise figures, greater atmospheric losses etc).

Key points and proposals

Section 5.3.9 of the current VHF Handbook, which covers contest scoring, enables the millimetre wave group of bands to benefit from multipliers being applied to distances.

We propose changes to the multiplier table that:-

- Updates the table for WRC 2000 frequencies (as the 120 and 145 GHz bands are now 122 and 134 GHz)
- To enhance the scoring for the Primary 134 GHz relative to the Secondary 122 GHz band
- The objective is to favour the band that has greatest long term development potential

Band, GHz	Current Multiplier
24	1
47	2
75/80	3
120	5

Band, GHz	Proposed Multiplier
24	1
47	2
75/80	3
122	4

145	6
245	10

134	8
245	10

Recommendation

To update and amend the Scoring Rules Multiplier table (to x 4 for 122 GHz and x 8 for 134 GHz)