



UK MICROWAVE GROUP

Radio Admin Update

RAL-2005



2005 - A Busy Year

- **Late 2004: 79GHz Car Radar and Spectrum Framework Review**
- **IARU Papers Requested and Submitted**
 - Galileo
 - Role of Special Interest Groups such as UKuG in Radio Admin
 - Challenges to Amateurs in the Microwave Bands

3E's:- Evolve, Educate and Engage
- **RSGB Spectrum Forum Links Strengthened**
 - Mike Dixon G3PFR joined by Peter G3PHO & Murray G6JYB
 - Pete Blair and Peter Chadwick well positioned
 - Graham Shirville and Trevor Hawkins BATC/Amsat also helpful
- **By Start of 2005 it became clear that Amateurs generally, and especially Microwavers, had to defend their privileges . . .**



Consultation List

• It's been busy and it's not over yet !

Consultation Topic	Response			
	Deadline	UKuG	RSGB	CARS
79GHz Car Radar (SRR)	14-Jan-2005	Y	Y	Y
Spectrum Framework Review (SFR)	15-Feb-2005	Y	Y	Y
Ofcom 2005/6 Annual Plan	3-Mar-2005			Y
DAB Digital Radio	7-Mar-2005			Y
Digital TV Switchover	21-Mar-2005			Y
Ultra WideBand (UWB)	24-Mar-2005	Y		Y
Spectrum Implementation Plan (SFR-IP)	24-Mar-2005	Y		
Audit of Public Sector Spectrum	10-Apr-2005		Y	
Impact Assessments	15-Apr-2005			Y
Maritime Radio Licensing	3-May-2005			?
RSA for Radio Astronomy	June	?		
CB and Amateur Radio	August	?	?	?
RSA for Satellites	Q4?	?		



So Far . . .

- UKuG has had to refill the Microwave Committee role
- Success on EU35 and retention of 75.5-76GHz
- Gained promise that 24GHz SRR will need to be further consulted

- 'Total Deregulation' now unlikely, but need to stay alert
- Huge upturn in new systems and (de)regulatory activity

- Amateurs aren't always alone. They can use tensions/splits between Industry and Ofcom

- SFR-IP Proposals for slots in 26-40GHz 'endorsed' by RSGB

- Microwavers profile clearly enhanced with RSGB and wider
- **Thanks for all members inputs on Radar, SFR/IP, UWB etc**



24GHz

In part as a result of the representations from the RSGB, we sought and secured a series of restrictions on the use of the 24 GHz band by automobile SRR: it will be used in this band only for a few years before such devices all migrate to the 79 GHz band and its use in the UK will be limited to a fixed proportion (my advice is a maximum of 7%) of new vehicles. In view of the representations made to us by amateur radio users and others, even with these restrictions on use, we did not feel able to support the European proposal at 24 GHz and the UK delegation abstained; nonetheless the proposal was decided by Qualified Majority Voting and was thus carried at European level.

Having consulted our experts pretty fully I genuinely do not believe there are any other proposals affecting amateur radio allocations and I hope this explanation will provide some reassurance to your constituent.

Yours ever

Dominic
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IASH:-

Pressure on MoD and CAA to release Public Sector Spectrum presents both opportunities and new commercial threats

Band, MHz	Amateur Allocation Status	Comment
1.81-2.00	Secondary	Shared with Maritime
3.50-3.80	Primary. Shared with other services	Negotiations with MoD were needed for recent Amateur Radio Direction Finding use
7.10-7.20	Secondary	Shared with Broadcasters until 2009
10.10-10.15	Secondary	Shared with fixed services, inc. Defence
144-146	Amateur Primary (Exclusive)	Interference from MoD systems in Northern Ireland
430-440	Secondary with Regional and Power restrictions (Primary elsewhere in Europe)	MoD freeze on Repeaters and Data nodes since Feb-2002
1240-1325	Secondary	Shared with CAA/Radars (and Galileo in future) Amateur Voice and TV Repeaters often incur CAA objections
2310-2450	Secondary Users must accept interference from ISM users	Shared with Home Office, MoD, Commercial, WiFi etc
3400-3475	Secondary	Shared with MoD and Commercial systems
5650-5680 5755-5765 5820-5850	Secondary Users must accept interference from ISM users	Fragmented into 3 sub-bands. EU17* & EU23** Largely ignored Amateur Satellite allocations also fragmented 5.65-5.85GHz continuous available in other European states
10000-10125 10225-10475	Secondary	Restrictions from MoD etc on Beacons, Repeaters etc 10-10.5GHz available in other European states
24050-24150	Secondary May only be used with written consent.	Consent has never been granted!