

**Representing:**

Self

**Organisation (if applicable):**

Self-Employed as a Broadcast engineer

**What additional details do you want to keep confidential?:**

Keep name confidential

**If you want part of your response kept confidential, which parts?:**

**Ofcom may publish a response summary:**

Yes

**I confirm that I have read the declaration:**

Yes

**Additional comments:**

A lot of my experience as a Broadcast engineering has come from the Amateur use of a number of Amateur microwave bands.

**Question 1: Do you agree that it is likely that the benefits to UK consumers and citizens will be greater from the MoD's release of spectrum in the 2.3 GHz and 3.4 GHz release bands than from retaining the current amateur use?:**

No, you need spectrum set a side a for experimental use. Technology is always changing this is where Amateur users can test out new forms of modulation systems, that could become commercial viable at a future date.

**Question 2: Are there current uses in the release bands other than those detailed in RSGB's band plan and discussed in Section 3 of this consultation?:**

No, with good spectrum planning there is room for all users

**Question 3: Are there further consequences of removing the release bands from amateur licences that have not been considered in our analysis?:**

Yes, there a lot experimental testing going on with new forms of broadcast and high speed data transmission systems.

**Question 4: There is an option (although not preferred) to remove access to the adjacent bands, as well as to the release bands. What are the consequences of removing access to the adjacent bands from amateur licences?:**

It's very important to provide wide range spectrum for Amateur experimental use, this just as important through out the microwave band as well as all others. In some ways more important to have access to these microwave band due a lot of new opportunities with new radio equipment and RF components coming available.

**Question 5: Are there current uses in the adjacent bands other than those detailed in the RSGB's band plan and discussed in Section 3?:**

With microwave band usage these days mainly been used with all types of wide band modulation systems, there now is a requirement to make space to fit these modes into. Therefore bandwidth must be made available for current wide band modes and any future mode that may come about from experimentation.

**Question 6: Are there additional mitigation measures which would provide demonstrable proof that amateurs would not cause interference into LTE in the release bands following the release?:**

Yes, with these new digital modes are also requiring very high amounts of linearity in their amplifier stages and a lot of my transmitters also have output filtering. So there is no problem using this type of radio equipment.

**Question 7: Do you agree with the proposed process for varying licences following cases of reported interference and our proposal to vary licences should dealing with the number of reported cases become too onerous?:**

**Question 8: Do you agree with our preferred option?:**

**Question 9: Are there additional changes to the Amateur Radio Licence which would assist amateur in lowering the risk of causing harmful interference to new uses?:**

There are a lot of very good RF engineers involved in Amateur radio in my experience it has been poor standards from commercial users that have caused problems. The thing to remember is that Amateur radio is very good training ground for RF engineering and provides area for RF engineers to learn their trade.