

From: Rob Compton <rob@c-vis.net>
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To: Kevin Delaney
Subject: EXTERNAL: Strategic Review of UHF Band 1 and Band 2 - 410 to 470 MHz - publish response



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Responses to Ofcom Strategic Review of UHF Band 1 and Band 2 - 410 to 470 MHz questionnaire:
(yes, you can publish my responses)

Q1

Yes. In general. The IoT use will no doubt fall within the SRD/LPD section of 433MHz - with a potential to cause great interference to licenced users of that spectrum, and an increase in the noise floor in that section of the band. For voice use, the gradual release of Home Office spectrum should meet the demands of the PBR market for quite a few years. Increasing channel occupancy to "3" will make a marked difference in the congested areas.

Q2

During atmospheric lifts, the whole of the UK could suffer effects, so no. The East and South East will suffer the brunt of most of it, but under "high" lift conditions, effects will be felt across the UK.

Q3

The ES use of UHF2 is not likely to go away. There will still be some spectrum requirement I'll wager. The current ESMCP project is not going to plan, and it is expected that Airwave / Motorola will seek to extend

their licence beyond 2020. This doesn't help Ofcom plan for the future if the goalposts keep moving.

Q4

No. Returning to Q2, alignment will alleviate some of the issues, though not all.

Q5

Yes.

Q6

Yes.

Q7

Yes. Many of the channels allocated are silent every day of the week. With monitoring and planning, four should be possible.

Q8

Undecided!

Q9

It could allow you to tidy and de-fragment spectrum, giving the effect of more space for simplex use. So yes.

Q10

I agree. Ofcom are taking the right steps here.

Q11

The gradual release of spectrum by the Home Office, coupled with a will to organise the allocations currently in use, including using common duplex spacings will go a long way to solving the conundrum which is UHF1 & 2.