

Your response

Question	Your response
<p>Section 3 –Spectrum use by the PMSE sector in the UK</p> <p>Question 1: What are your views on how our processes work - for example our online booking system, turn-around times, and event coordination. Do you think the current approach works well? How could we improve it?</p>	<p>Confidential? – N</p> <p>You are focusing too much on major events. This should be reflecting the thousands of small organisations using the spectrum in the UK. The likes of Clair Brothers etc who do these major events have very different budgets to small charity type groups.</p> <p>Buying a licence is fine, straight forward.</p>
<p>Section 4 – PMSE historic trends</p> <p>Question 2: Do you have any comments on how we have analysed and characterised wireless microphone and IEM demand, or suggestions for alternative ways of characterising this demand?</p>	<p>Confidential? – N</p> <p>You are focusing too much on major events. This should be reflecting the thousands of small organisations using the spectrum in the UK. The likes of Clair Brothers etc who do these major events have very different budgets to small charity type groups.</p>
<p>Question 3: Do you have any comments on how we have analysed and characterised wireless video demand, or suggestions for alternative ways of characterising wireless video demand?</p>	<p>Confidential? –N</p> <p>No views as I do not get involved in this side.</p>

Question	Your response
<p>Section 5 – Future trends and opportunities</p> <p>Wireless audio</p> <p>Drivers of demand</p> <p>Question 4: What factors have driven changes in the demand for audio PMSE applications, specifically for:</p> <ul style="list-style-type: none"> a) the increased use of coordinated wireless microphones and IEMs, particularly the peak number of simultaneous assignments used at the largest events? b) the slight decline in the number of national wireless microphone licences (UHF channel 38 and VHF)? Has the extent of use of these licences changed, and if so why? c) the declines in talkback, fixed audio links and ADS licences? 	<p>Confidential? – N</p> <p>You are focusing too much on major events. This should be reflecting the thousands of small organisations using the spectrum in the UK. The likes of Clair Brothers etc who do this major events have very different budgets to small charity type groups.</p> <p>b) this is probably a variety of reasons. Cashflow in these expensive times, where people are kicking back on paying a tax on using radio equipment. It will work fine without a licence and offers no benefit to ordinary licence holders, that I can see.</p> <p>c) no idea</p>
<p>Question 5: What factors could drive further changes in the demand for audio PMSE applications in the future, and what will this mean for future demand, specifically for:</p> <ul style="list-style-type: none"> a) coordinated wireless microphones and IEMs, particularly the peak number of simultaneous assignments used at the largest events? b) national wireless microphone licences (UHF channel 38 and VHF)? 	<p>Confidential? –N</p> <p>I’m certainly aware that there will be more requirements in the future as more people move to IEM. I am seeing more and more of this in the church/religious area. As more digital desks are being used, this starts to become an affordable option.</p> <p>But whether people know or want to pay for a licence is open to debate.</p>

Question	Your response
c) talkback, fixed audio links and ADS licences?	
Question 6: Do you agree that, given the trends, we are right to focus on wireless microphones/IEMs?	Confidential? –N But across the board and not just at major events.
Changes in the take-up of bands already available Question 7: What factors have driven the take-up of different bands for wireless audio? What are the barriers to greater use of the DME band?	Confidential? – N No comment
Question 8: What actions could enable greater take-up of the DME, DECT and licence exempt bands in the future?	Confidential? – N No comment
Changes in spectrum availability Question 9: Which potential additional bands might be suitable for wireless audio applications, particularly microphones and IEMs at the largest events and venues?	Confidential? – N This is looking at the issue from the wrong direction. It is the thousands of small venues/users you need to protect. You caused chaos once before with spectrum changes and please never do that again.
Question 10: To what extent do the characteristics of different audio applications drive their requirements for spectrum – for example particular requirements for latency, resilience or capacity?	Confidential? – N All of it. Minimal latency, total resilience and sufficient capacity to run 20+devices in 1 location without issue.

Question	Your response
<p>Changes in efficiency of spectrum use</p> <p>Question 11: What changes in spectrum use (technology, working practices, different bands, etc) have enabled audio wireless growth to be accommodated to date, particularly the increased use of wireless microphones and IEMs at the largest events and venues in the context of reduced UHF spectrum availability?</p>	<p>Confidential? –N</p> <p>No idea what you mean by this question. We do not want any changes, so look at the mess you made 15 years ago with the spectrum changes.</p>
<p>Question 12: What technologies are currently available or are being developed which can improve audio spectrum efficiency in the future, particularly in the use of wireless microphones and IEMs at the largest events and venues?</p>	<p>Confidential? – N</p> <p>Talk to the manufacturers not end users.</p>
<p>Question 13: Are there any barriers to adopting more efficient technologies for audio applications, particularly for wireless microphones and IEMs at the largest events and venues? What could industry do and what could Ofcom do to facilitate greater use of those technologies?</p>	<p>Confidential? – N</p> <p>COST.....</p> <p>But for all users, not just the large events.</p>
<p>Question 14: What changes to working practices and spectrum planning could improve audio spectrum efficiency in the future, particularly in the use of wireless microphones and IEMs at the largest events and venues?</p>	<p>Confidential? – N</p> <p>Who cares about the largest events. It is all the thousands of other users that are important.</p>
<p>Question 15: Are there any barriers to adopting working practices that could enable more efficient use of spectrum by audio applications, particularly for wireless microphones and IEMs at the largest events and venues? What could industry do and what could</p>	<p>Confidential? – N</p> <p>COST.....</p> <p>Ofcom would replace every bit of kit on a like for like basis, including any licence free kit. They would have to proactively go looking and not replying just on people that had a licence.</p>

Question	Your response
Ofcom do to facilitate those efficiencies?	
<p>Wireless video</p> <p>Drivers of demand</p> <p>Question 16: What factors (such as more complex events and use of higher resolution equipment) have driven the demand for wireless video bandwidth, in particular for:</p> <ul style="list-style-type: none"> a) the increased bandwidth required for the largest sporting events such as Formula 1 at Silverstone and The Open Championship? b) the bandwidth required for nationally important state events such as The Coronation? c) the slow growth or decline in bandwidth used at horse racing fixtures? 	<p>Confidential? – N</p> <p>No comment</p>
<p>Question 17: What factors could drive further changes in the demand for wireless video bandwidth in the future, and what will this mean for future demand, in particular for:</p> <ul style="list-style-type: none"> a) the bandwidth required for the largest sporting events like Formula 1 at Silverstone and The Open Championship? b) the bandwidth required for nationally important state events such as The Coronation? 	<p>Confidential? – N</p> <p>No comment</p>

Question	Your response
c) the bandwidth used at horse racing fixtures and other major sporting events?	
<p>Potential news bands</p> <p>Question 18: What factors have influenced the degree of take-up of existing bands used by wireless video applications, particularly the growth in take-up of the 7 GHz band?</p>	<p>Confidential? – N</p> <p>No comment</p>
<p>Question 19: Which potential additional bands might be suitable for video PMSE applications, particularly at the largest events and venues?</p>	<p>Confidential? – N</p> <p>No comment.</p>
<p>Question 20: To what extent do the characteristics of different video applications drive their requirements for spectrum – for example particular requirements for resilience or capacity?</p>	<p>Confidential? – N</p> <p>No comment</p>
<p>Changes in efficiency of spectrum use</p> <p>Question 21: What technologies are currently available or are being developed which can improve wireless video spectrum efficiency in the future?</p>	<p>Confidential? – N</p> <p>Again, talk to the manufacturers, end users don't know this information.</p>
<p>Question 22: Are there any barriers to adopting more efficient technologies for wireless video? What could industry do and what could Ofcom do to facilitate greater use of those technologies?</p>	<p>Confidential? N</p> <p>COST.....</p> <p>Buy all the kit for the end users.</p>
<p>Question 23: What types of video demand could realistically be supported by private (for example 5G) networks?</p>	<p>Confidential? – N</p> <p>Nowhere near enough reliable coverage on 5G. Pipe dream, just do it properly.</p>

Question	Your response
<p>Question 24: What changes to working practices and spectrum planning could improve video spectrum efficiency in the future, particularly in the use of wireless microphones and IEMs at the largest events and venues?</p>	<p>Confidential? –N</p> <p>Question makes no sense. Video spectrum, but talk about wireless microphones. No channel or frequency changes are needed or wanted or affordable. Full stop.</p>
<p>Question 25: Are there any barriers to adopting working practices that could enable more efficient use of spectrum by wireless video? What could industry do and what could Ofcom do to facilitate those efficiencies?</p>	<p>Confidential? – N</p> <p>COST.....</p> <p>Buy the end users all the kit that needs to be replaced.</p>
<p>Other comments</p> <p>Question 26: Do you have any other comments or views on the issues raised in this document?</p>	<p>Confidential? – N</p> <p>I have no idea who produced this document, but clearly has no idea on the current usage of wireless tech in the UK. There are thousands of end users out there with a few devices, which may or may not have licences and are in no position to be able to afford to be replace it all. I'm involved in a medium sized church with currently 10 wireless channels in use and over the next couple of years, expect this to more or less double as we move to IEM. We are not in a position to be able to replace all of this kit at our own expense.</p>

Please tell us how you came across about this consultation.

- Email from Ofcom
- Saw it on social media
- Found it on Ofcom's website
- Found it on another website
- Heard about it on TV or radio
- Read about it in a newspaper or magazine
- Heard about it at an event
- Somebody told me or shared it with me
- Other (please specify)

Please complete this form in full and return to liz.hall@ofcom.org.uk.