

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>I think ofcom make it very easy to arrange PMSE licenses, if theres any doubt a quick call usually answers the question – PMSE Team are exceptionally helpful.</p> <p>I asked if there was any PMSE team in Scotland, unfortunately there isn't and they are all centrally located. The reason for the question was to arrange PMSE presentation with Q&A. I would have been delighted to host it. Edinburgh seems like a big ask to have them come present etc.</p> <p>Maybe the solution is a zoom session or something – then host it on youtube for later for people to continue to learn</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? – Y / N</p> <p>I think with the proposal to reduce it ofcom show a lack of understanding of just how much this spectrum is utilised for churches, charities and music venues around the country.</p> <p>The constant reduction of spectrum means organisations – not just profitable but charities are forced to buy new equipment when funds are better suited to struggling families and particular needs.</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? – Y / N</p> <p>No comments</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? – Y / N</p> <p>We've ran events where we max out the PMSE space in ch38. IEMs consuming as much as they do, coupled with wireless mics makes considering reducing this near impossible. Remember that some organisations have limitations placed on their building where running cabled alternatives becomes cost prohibitive, unsightly or very difficult to achieve.</p> <p>The thought of replacing our equipment yet again through greed – not need of the mobile networks is a massive worry – how do we afford to replace this. Money is not free flowing. Families are hard up at the moment, charities are seeing declines in their income and giving, how can they possibly justify the cost of replacing equipment they have already purchased, is perfectly operational and theres absolutely no need to replace. Never mind the e-waste that would be caused by churches, venues, hire companies replacing all their wireless equipment. This is a thoughtless, ill timed, needless proposal.</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? 	<p>Confidential? – Y / N</p> <p>More spectrum is needed for PMSE – Not less</p>

Question	Your response
<p>b) national wireless microphone licences (UHF channel 38 and VHF)?</p> <p>c) talkback, fixed audio links and ADS licences?</p>	
<p>Question 6: Do you agree that, given the trends, we are right to focus on wireless microphones/IEMs?</p>	<p>Confidential? – Y / N</p> <p>Absolutely NOT.</p>
<p>Changes in the take-up of bands already available</p> <p>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?</p>	<p>Confidential? – Y / N</p> <p>Cost especially – higher cost than PMSE, availability, understanding.</p>
<p>Question 8: What actions could enable greater take-up of the DME, DECT and licence exempt bands in the future?</p>	<p>Confidential? – Y / N</p> <p>Theres not enough manufacturers leveraging this yet and the cost is prohibitive. Ofcom are being foolish considering this at this time.</p>
<p>Changes in spectrum availability</p> <p>Question 9: Which potential additional bands might be suitable for wireless audio applications, particularly microphones and IEMs at the largest events and venues?</p>	<p>Confidential? – Y / N</p> <p>Theres not really options here 2.4/5/6ghz saturated with wifi etc</p> <p>LTE and TV using as much as they do makes microphone/iem coordination difficult as is at large scale</p>
<p>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?</p>	<p>Confidential? – Y / N</p> <p>Capacity, price point, availability</p>

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? – Y / N</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? – Y / N</p> <p>Little development due to the little spectrum space availability, wireless range.</p> <p>There are cheap non scalable options in the 2.4ghz that can work for small venues, small shows, but none of this scales.</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? – Y / N</p> <p>Cost, availability.</p> <p>You need to work with manufacturers to provide these options and supply grants to help organisations and charties move to those – covering 90% of costs in many cases. Especially charities</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? – Y / N</p> <p>I think this proposal should be scrapped. Its ill timed, inconsiderate of the events happening in the world atm taking into account charities ability to fund anything</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? – Y / N</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? 	Confidential? – Y / N
<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? 	Confidential? – Y / N

Question	Your response
<p>c) the bandwidth used at horse racing fixtures and other major sporting events?</p>	
<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? – Y / N</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? – Y / N</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? – Y / N</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? – Y / N</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? – Y / N</p>
<p>Question 23: What types of video demand could realistically be supported by private (for example 5G) networks?</p>	<p>Confidential? – Y / N</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? – Y / N</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? – Y / N</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? – Y / N</p> <p>Please do not reduce the PMSE band – especially ch38. As a charity we should be spending our money looking after the most vulnerable. Not spending 10s of thousands to replace equipment needlessly adding yet more ewaste where its not needed with perfectly good equipment.,</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.