

<b>Consultation title</b>	Improving spectrum access for Wi-Fi – spectrum use in the 5 and 6 GHz bands
<b>Organisation name</b>	Qualcomm Europe, Inc. Italy Branch

## Your response

<b>Question</b>	<b>Your response</b>
<b>Question 1: Do you have any comments on our proposal to open access to the 5925-6425 MHz band for licence-exempt Wi-Fi use?</b>	<p>Qualcomm believe that the availability of a new allocation of wide and contiguous mid-band spectrum at 5925-6425 MHz is critical to meet the demands for license-exempt WAS/RLAN technologies, including Wi-Fi (Wi-Fi 6E) and 5G NR-U in the very near future.</p> <p>Wi-Fi 6 is designed to enable massive new wireless capacity for the next generation of high bandwidth wireless connectivity. By supporting numerous 160 MHz channels, advanced modulation techniques, and opportunity to extend highly differentiated end-to-end Wi-Fi 6 feature implementations, Qualcomm Technologies is primed to deliver powerful, reliable and immersive Wi-Fi 6E experiences for the next generation, supporting parallel evolution and leadership in the transition to 5G.</p> <p>Qualcomm is glad to inform Ofcom that in February 2020, showcased its Wi-Fi 6 technology prowess with a landmark over-the-air demonstration of Wi-Fi 6E operation using 6Ghz spectrum, spanning the Qualcomm® FastConnect™ mobile connectivity subsystem and the Qualcomm® Networking Pro Series Wi-Fi Access Point platforms. Achieved using next generation commercial products this Wi-Fi 6E demonstration underscores Qualcomm Technologies’ readiness to extend its successful Wi-Fi 6 portfolio into the 6 GHz band for a transformative Wi-Fi 6E performance, pending regulatory approval.</p>

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	<p>Qualcomm believes that access to the 5925-6425 MHz band will enable WAS/RLAN technologies to continue delivering positive experiences for the most bandwidth-intensive applications. Indeed, the 5925-6425 MHz band represents new greenfield spectrum that will allow for innovation in high performance WAS/RLAN.</p> <p>Qualcomm applauds Ofcom’s leadership in opening the 5925 – 6425 MHz for license-exempt use, which will benefit UK consumers and businesses very rapidly. In this frequency band, Wi-Fi 6E and NR-U devices will be able to leverage wider channels, lower latency and additional capacity to deliver greater network performance and support more users at once, even in very dense and congested environments.</p>
<p><b>Question 2: Do you have any comments on our technical analysis of coexistence in the 5925-6425 MHz band?</b></p>	<p>Qualcomm agrees with the technical analysis performed by Ofcom.</p>
<p><b>Question 3: Do you agree with our proposal to remove DFS requirements for indoor Wi-Fi up to 200mW from the 5725-5850 MHz band?</b></p>	<p>Qualcomm agrees with Ofcom’s proposal to remove the DFS requirements.</p>
<p><b>Question 4: Do you have any comments on other options that may be available for Wi-Fi and RLANs</b></p>	<p>No comments</p>

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<b>within the 5 GHz band?</b>	