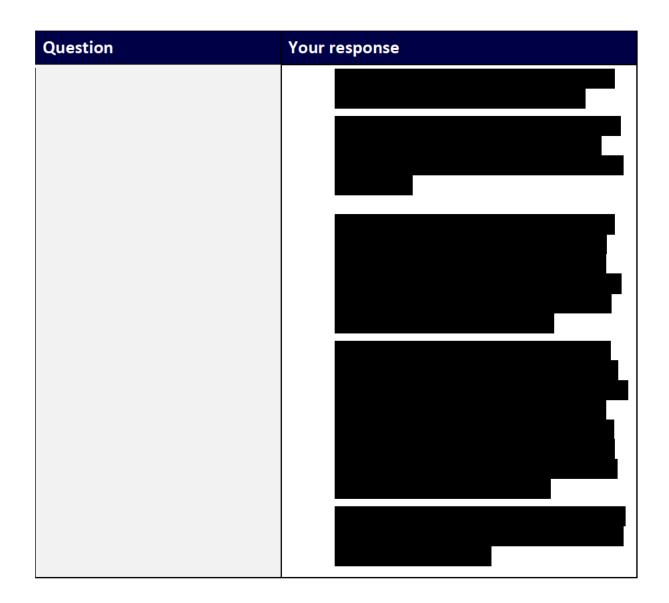
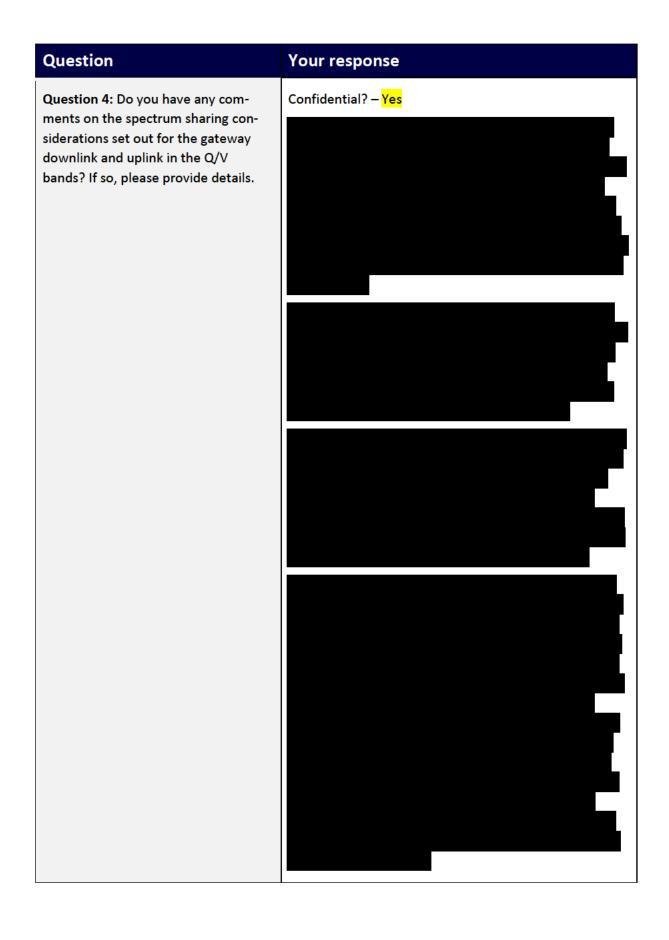
Your response

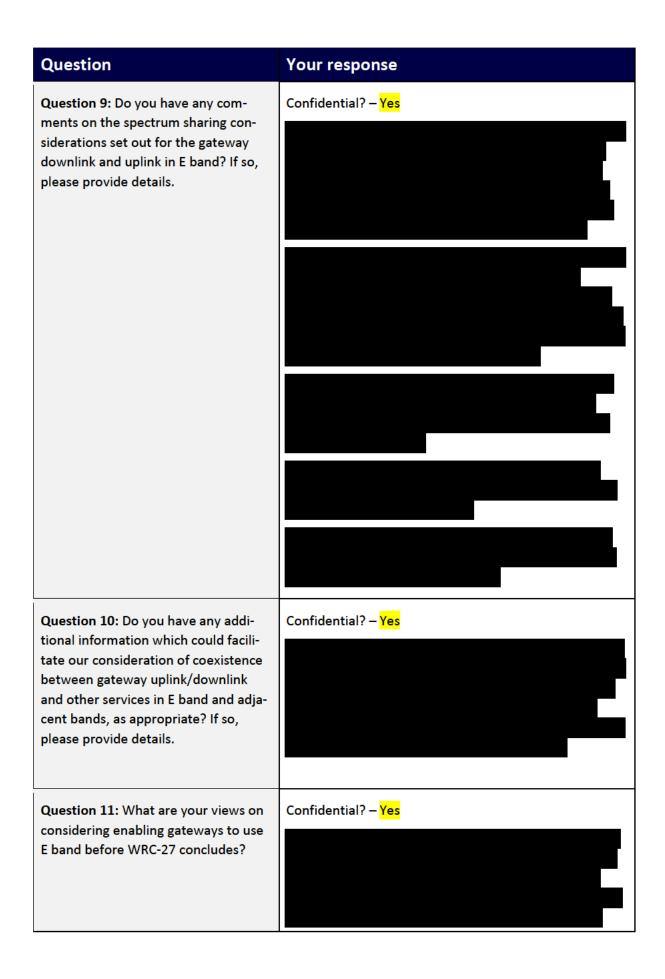
Question Your response Confidential? - Yes Question 1: Do you plan to use Q/V and/or E bands for gateways in the UK? Please provide further detail as follows: a) Which bands are you planning to use? b) When and for what purposes? c) How much spectrum do you anticipate will be needed in each band referred to in 1a) (indicating the total uplink and total downlink spectrum required)? Please provide evidence to support your capacity estimation. d) If you anticipate needing access to both Q/V and E band please explain the reasons. Provide supporting evidence explaining how you determine how much spectrum will be required for future gateways, and how the demand changes over time. e) What factors would influence your decision to place one or more gateway(s) in the UK? How many gateway locations do you anticipate needing in the UK for each of the frequency bands referred to in 1a). Why?



Question Your response Question 2: To help us understand the Confidential? - Partially services that the gateways will support, please provide the following ina) SpaceX will use the Q/V and E bands to support formation: the Starlink broadband system in providing backa) Which downstream services do you haul for its high-speed, low-latency broadband anticipate serving with Q/V or E band to UK consumers, businesses and governmental gateways deployed in the UK? entities. b) For each service in your answer to b) These spectrum bands will support the existing 2a) please explain which, if any, of satellite broadband services in the UK. these services will be available in the c) These services are currently available globally. UK and who they would serve. d) While, given our optical inter-satellite links, gatec) For your response to 2b) please inways in the UK are not technically required to dicate when these services are exserve UK consumers, gateways in the UK are prepected to become available globally ferred in order to provide lower latency for usand to UK consumers. ers. d) Are gateways in the UK required in e) order to serve UK consumers? If not, do you have plans for gateways (which will use Q/V/E) in other countries, which could be used to serve the UK? e) Do you plan to deploy gateways in the UK to serve consumers in countries other than the UK? If yes, please provide reasons for this approach. f) Are there any other identifiable benefits to UK people and businesses of locating gateways in the UK? If so, please provide evidence of this. Confidential? - Yes Question 3: Do you have any information on gateways that are planned to be deployed in the UK in the Q/V bands including technical parameters? If so, please provide details.



Question	Your response
Question 5: Do you have any additional information which could facilitate our consideration of coexistence between gateway uplink/downlink and other services in the Q/V band and adjacent bands, as appropriate? If so, please provide details.	Confidential? – Yes
Question 6: What are your views on enabling NGSO gateway earth stations to access the 51.4 – 52.4 GHz band before WRC-27 concludes?	Confidential? – Yes
Question 7: What are your views on initially enabling access to 37.5 – 40.5 GHz for gateways, with a later consideration of the 40.5 – 43.5 GHz frequency range? Do you consider 42.5 – 43.5 GHz to be usable in the uplink?	Confidential? – Yes
Question 8: Do you have any information on gateways that are planned to be deployed in the UK in E band including technical parameters? If so, please provide details.	Confidential? – Yes



Question	Your response
Question 12: Are there any other points that you deem would be helpful in our consideration of Q/V and E bands for future gateways? In providing your response, please include as much supporting evidence as you can.	Confidential? – Yes

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