



## EUROPEAN COMMISSION

Directorate-General for Communications Networks, Content and Technology

Connectivity  
**Radio Spectrum Policy Group**  
**RSPG Secretariat**

16 June 2021

**RSPG21-019 FINAL**

## **RADIO SPECTRUM POLICY GROUP**

### **State of play regarding award of 5G pioneer bands**

*The attached table represents information as of 11/06/2021. The information has been provided by the RSPG Members.*

Country	700 MHz			3.4-3-8 GHz			24.25-27.5 GHz		
	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
<b>Austria</b>	September 2019	May 2019	September 2020	February 2018	April 2019	March 2019	Aug 2019	May 2019	<i>Expected by Q3 2022</i>
<b>Belgium</b>	July 2017		<i>Expected end 2021</i>	June 2017		Provisional rights have been awarded for the band 3600-3800 MHz in July 2020, <i>Expected end 2021</i>	June 2019		No award planned
<b>Bulgaria</b>	<i>August 2020</i>		In 2021, a new public consultation is planned.	December 2020 – January 2021		May 2021	January – February 2021		<i>In Q4 2021, a new public consultation is being considered.</i>
<b>Croatia</b>	April 2021	10 <sup>th</sup> May 2021*	July 2021	April 2021	10 May 2021*	July 2021	April 2021	10 <sup>th</sup> May 2021*	<i>July 2021</i>
<b>Cyprus</b>	September 2019		<i>December 2020</i>	September 2019		<i>December 2020</i>	September 2019		<i>Not expected in 2020 (subject to clear market)</i>

Country	700 MHz			3.4-3.8 GHz			24.25-27.5 GHz		
	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									<i>demand)</i>
<b>Czechia</b>	June 2019 March 2020 June 2020		January 2021	3.6-3.8 GHz 2017 3.4-3.6 GHz June 2019 March 2020 June 2020	2017	August 2017  January 2021	December 2019 August 2020		No award planned 26.5-27.5 GHz open for non-commercial experiments in October 2020
<b>Denmark</b>	March 2018		March 2019	December 2020		April 2021	August 2018 and December 2020		April 2021
<b>Estonia</b>	July 2014 and November 2019		<i>Expected June 2022 (depends on the adoption of 5G network equipment security measures)</i>	April 2018		<i>Expected end of 2021 (depends on the adoption of 5G network equipment security measures)</i>	<i>November 2019</i>		<i>Expected end of 2021 (depends on the adoption of 5G network equipment security measures)</i>
<b>Finland</b>			November 2016	May 2018	April 2019	October 2018	February 2020		June 2020
<b>France</b>			November 2015	July 2019	September 2019	October 2020	Jun 2018		<i>On-going process to encourage trials in various sectors</i>
<b>Germany</b>			June 2015			June 2019	<i>October 2018</i>	n.a.	<i>(Individual</i>

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							February 2020 August 2020		<i>frequency assignments: - on application - for 15 years with the possibility of extension - since end of 2020)</i>
<b>Greece</b> (Individual frequency rights of use assigned for the three 5G bands for 15 years with the possibility of 5 years extension, starting on the 16 <sup>th</sup> December 2020)	August – September 2020		Completed December 2020	August – September 2020		Completed December 2020	August – September 2020		Completed December 2020
<b>Hungary</b>	June 2019	December 2018	April 2020	June 2019	December 2018	April 2020	July 2017 and December 2019		
<b>Ireland</b>	Completed Dec 2020: ComReg doc:	Completed- 30 June 2020	<i>Underway: April 2021 ComReg</i>	Completed: December 2015	Completed: January 2018	Completed: May 2017	Study determined there is no	NA	NA

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	20/122		<i>Doc:21/40</i>  <i>Legal Appeal pending:</i> <i>ComReg doc: 21/04R</i>				current demand – ComReg doc: 21/07		
<b>Italy</b>	March 2018	December 2018	October 2018 Spectrum usable nationally from 1 July 2022	3.4-3.6 GHz January 2018 (for 5G use)  3.6-3.8 GHz March 2018	December 2018	3.4-3.6 GHz Extended licenses for 5G use November 2018  3.6-3.8 GHz October 2018	March 2018	December 2018	October 2018
<b>Latvia</b>	It is expected to conclude public consultation in the first half of 2021. (due to diverging views on licence conditions, several consultation rounds with market players were carried out during		Second half of 2021	March 2018		September 2018	<i>At the moment no clear market demand. 1 GHz band is made available for operators to carry out pilot projects, testbeds, cooperation initiatives etc. Replanning of the band starting from 2024 is</i>		Before 2024 (depending on results of public consultation)

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	2020. )						<i>foreseen. During 2021 a consolation on most optimal use of the band is planned</i>		
<b>Lithuania</b>	May 2018 June 2021	22 June 2021	<i>October 2021</i>	May 2018 March 2019 February 2021		<i>Expected Q2 2022</i>	April 2020		1.2 GHz is available. Waiting for requirements from MNO.
<b>Luxembourg</b>	May 2019		August 2020	May 2019		August 2020	October 2020		Public consultation in Q4-2020 showed no immediate demand from stakeholders; award postponed until demand apparent; possibility to request temporarily licences.
<b>Malta</b>	5 February	23 March	<i>Subject to</i>	5 February	23 March	3.6 – 3.7 GHz	5 February	23 March	<i>Subject to</i>

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	2021	2021*	<i>market demand</i>	2021	2021*	already assigned and in use for 5G. Further assignments will take place in June 2021	2021	2021*	<i>market demand</i>
<b>Netherlands</b>	December 2019 – February 2020		<i>July 2020</i>	May/June 2021	24 June 2021*	<i>Expected beginning of 2022</i>	<i>Expected consultation Q1/Q2 2021</i>		Expected 2021/2022
<b>Poland</b>	Preconsultation August 2018 and 2019 <i>Expected Q1 2022</i>		<i>Before 30 June 2022</i>	Preconsultation August 2018 Consultation December 2019/January 2020		<i>By 27 August 2021</i>	August 2018 Q3 2020		<i>Expected before 2022 (subject of market demand)</i>
<b>Portugal</b>	April 2018 & Oct.2019 (RoU and award procedure)  Consultation on the auction rules was launched Q1 2020, it was suspended due to pandemic and ended in July 2020.		<i>Initially planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020 and is currently ongoing.</i>	April 2018 & Oct.2019 (RoU and award procedure)  Consultation on the auction rules was launched Q1 2020, it was suspended due to pandemic and ended in July		<i>Initially planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020 and is currently ongoing.</i>	April 2018 <i>With the expectation to launch the 26 GHz band award some time after the completion of the ongoing auction, a new consultation on this issue (first stage) is expected to</i>		<i>TBD according to market demand</i>

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				2020.		100 MHz (3.4-3.5 GHz) can already be use in accordance with the new technical conditions (decision from Dec.2019)	<i>take place in the course of 2021.</i>		
<b>Romania</b>	First public consultation - August 2019 Second public consultation expected – Q2 2022 (after the transposition of EECC in the national legislation)		<i>Expected 2022</i>	First public consultation - August 2019 Second public consultation expected – Q2 2022 (after the transposition of EECC in the national legislation)		255 MHz have already been allotted since 2015 (valid during 2016-2025) Additional 90 MHz - expected in 2021 (valid until 2025)  All 400 MHz - expected in 2022 (the rights of use will start in 2026)	Strategy for multi-band auction publicly consulted in the first half of 2019, where this band was postponed; dedicated questionnaire on market demand in 2021		<i>Possibly before the end of 2024 (subject to clear market demand)</i>



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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
<b>Slovakia</b>	December 2019		December 2020	3.4-3.6 GHz: October 2014  3.6-3.8 GHz: November 2013		3.4-3.6 GHz: May 2016  3.6-3.8 GHz July 2017	Public discussion was held in November 2020.		Public discussion result - no interest in the market at a present time. Not expected to take place before 2023 (subject of negotiation with military).
<b>Slovenia</b>	<i>Q3 2020</i>	December 2018 October 2020	<i>June 2021</i>	Q3 2020	October 2020	<i>June 2021</i>	Q3 2020	October 2020	<i>June 2021</i>
<b>Spain</b>	2017 and 2019	December 2020	<i>Expected Q1 2021</i>	2017		July 2018	2017 and 2019		Q4 2021
<b>Sweden</b>	July 2018	May 2018 February 2019	December 2018	July 2019	April 2019	<i>January 2021</i>	December 2019		<i>Possibly local licences in 24,25 – 25,1 GHz 2021. No award for the remaining parts before</i>

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									2023
Norway	2018		June 2019	August 2019		3.6-3.8 GHz already assigned for 5G  The whole band expected to be assigned in September 2021	August 2019		Test licences awarded in 2019.  No clear market demand, award is not expected to take place in 2021
Iceland	2015		2017, except the lowest 2x10 part which is planned to be assigned 2021/2022	2015		3.5-3.8 GHz already assigned for 5G  3.4 GHz planned for auction in 2021/2022			No clear market demand.  Not expected to be awarded in the upcoming award process in 2021/2022

\*Peer Review Forum held in line with the provisions of Article 35 of the [European Electronic Communications Code](#).

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award