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Submission on Public Consultation on

"***DRAFT RSPG Opinion on spectrum related aspects for next-generation wireless systems (5G)***"

(*RSPG16-031 final*)

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- I agree with the vision presented by the RPG. From 2020 and beyond 5G will drive relevant transformations in almost all sectors in Europe as well as in other developed economies of the world.

- As RSPG, I also consider that first commercial deployments will use frequencies in bands below 6 GHz. This is will be due not only to reasons presented by RSPG but, in my view, also because the work of standardisation in this frequency bands is well advanced. In Europe, the process for a harmonized use of the 700 MHz band is concluded and it is now possible for Member States to award frequencies for M2M and IoT applications.

- In what regards to the 3 GHz band (3.4-3.8 GHz), I also consider that it is well suited for the introduction of 5G applications in Europe, even before 2020. However, national authorities should consider carefully incumbents applications in operation in the band and assess conditions for a smooth transition.

- To have success the development of Europe's spectrum policy strategy regarding 5G must consider all spectrum frequency bands, including those already harmonised at EU level regardless they are below or above 1 GHz. The use of harmonised spectrum, including the 700 MHz band may facilitate and accelerate the development and deployment of applications 5G.

- I fully agree with RSPG statement that there will be a need to ensure that technical and regulatory conditions for all bands already harmonised for mobile networks are fit for 5G use.

- It is commonly accepted that the success of 5G is much dependent of an early identification of suitable spectrum and of the success of global harmonisation. I agree with RSPG saying that considerations of bands above 6 GHz for 5G shall be limited to the bands proposed by Europe in WRC-15 and that the work should be focused in particular the bands 24.5-27.5 GHz, 31.8-33.4 GHz and 40.5-43.5 GHz.

- Due to the importance of ITS, in particular cooperative ITS (c-ITS), I am of the view that RSPG should assess any requirement for measures in bands 60/70 GHz.

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