

**BOSCH**

Radio Spectrum Policy Group – Secretariat  
DG CNECT B4: Spectrum – Office: BU33 7/065  
European Commission, B-1049 Bruxelles,  
Belgium  
[CNECT-RSPG@ec.europa.eu](mailto:CNECT-RSPG@ec.europa.eu)

Robert Bosch GmbH  
Postfach 10 60 50  
70049 Stuttgart  
Visitors:  
Robert-Bosch-Platz 1  
70839 Gerlingen-Schillerhöhe  
Tel 0711 811-0  
[www.bosch.com](http://www.bosch.com)

Martin Gerstl, C/AGT  
Tel +49 711 811-47860, Fax +49 711 811-5117347  
[Martin.Gerstl@de.bosch.com](mailto:Martin.Gerstl@de.bosch.com)

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**Response to the public consultation on the Draft RSPG Opinion on 5G implementation challenges (RSPG 3rd opinion on 5G)**

Ladies and gentlemen,

Robert Bosch GmbH (Bosch) welcomes the possibility to participate in the public consultation on the “*RSPG Opinion on 5G implementation challenges (RSPG 3rd opinion on 5G)*” and appreciates the dialogue offered by the Radio Spectrum Policy Group (RSPG).

With this contribution we would like to share our views on the 3<sup>rd</sup> RSPG Opinion on 5G. In particular, Bosch strongly supports the RSPG recommendation to the EU Member States to consider other spectrum solutions, including dedicated spectrum assigned to vertical 5G industries (such as the manufacturing industry), to fulfil their needs.

The access of individual stakeholders from the manufacturing industry to dedicated 5G spectrum becomes a key success factor for the “Industry 4.0” in Europe. Spectrum assigned on an individual and local basis will contribute greatly to an effective and efficient use of the European spectrum. This will also allow the manufacturing industry to benefit from the full innovation potential of 5G. Deployment of local 5G networks using dedicated 5G spectrum will significantly contribute to revolutionize the way how goods are produced, shipped, and serviced throughout their whole lifecycle.

Bosch has currently over 160 manufacturing plants distributed throughout Europe that could deploy local 5G networks.

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Connectivity for vertical industries

Bosch fully shares the view of the RSPG that 5G will play a significant role in providing communications services that meet the specific requirements for verticals (RSPG opinion II.4). Meeting the requirements of the manufacturing industry (as 5G vertical) can only be achieved if the European regulatory framework offers the possibility to individual stakeholders to obtain exclusive access to the spectrum.

We welcome the RSPG opinion regarding the various options available to provide 5G connectivity for vertical industries (RSPG opinion II.5). It is particularly important for the manufacturing industry that the RSPG promotes the deployment of these connectivity solutions in dedicated spectrum for verticals.

Bosch strongly supports the RSPG recommendation to the Member States to consider other spectrum solutions including dedicated spectrum for the needs of vertical industries such as the manufacturing industry (RSPG opinion II.6).

In order to secure the future and in the sense of technological competition, Bosch supports the RSPG view on the need of technology neutral dedicated EU harmonised spectrum capable of satisfying the communications requirements of verticals (RSPG opinion II.7).

We remain at your disposal for any question you may have.

Yours sincerely

Robert Bosch GmbH

Corporate Department Technical Standardization and Regulatory Affairs

i. V. Martin Gerstl  
C/AGT

i. A. Jose Prats  
C/AGT-RFA