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RESOLUTION 241 (WRC-19)

**Use of the frequency band 66-71 GHz for International Mobile
Telecommunications and coexistence with
other applications of the mobile service**

The World Radiocommunication Conference (Sharm el-Sheikh, 2019),

considering

- a)* that International Mobile Telecommunications (IMT), including IMT-2000, IMT-Advanced and IMT-2020, and other wireless access systems are intended to provide telecommunication services on a worldwide scale regardless of location and type of network or terminal;
- b)* that the evolution of IMT is being studied within the ITU Radiocommunication Sector (ITU-R);
- c)* that harmonized worldwide frequency bands and harmonized frequency arrangements are highly desirable in order to achieve global roaming and the benefits of economies of scale;
- d)* that adequate and timely availability of spectrum for IMT and supporting regulatory provisions are essential to realize the objectives in Recommendation ITU-R M.2083;
- e)* that IMT systems are envisaged to provide increased peak data rates and capacity that may require a larger bandwidth;
- f)* that there is a need to protect existing services and to allow for their continued development,

noting

- a)* Recommendation ITU-R M.2083, which provides the “IMT Vision – Framework and overall objectives of the future development of IMT for 2020 and beyond”;
- b)* Recommendation ITU-R M.2003, on multiple gigabit wireless systems in frequencies around 60 GHz;
- c)* Report ITU-R M.2227, on the Use of multiple gigabit wireless systems in frequencies around 60 GHz,

recognizing

Resolutions 176 (Rev. Dubai, 2018) and 203 (Rev. Dubai, 2018) of the Plenipotentiary Conference,

resolves

- 1 that administrations wishing to implement IMT make available the frequency band 66-71 GHz identified in No. **5.559AA** for use by the terrestrial component of IMT;

2 that administrations wishing to implement IMT in the frequency band 66-71 GHz, identified for IMT under the provisions in No. **5.559AA**, which also wish to implement other applications of the mobile service, including other wireless access systems in the same frequency band, consider coexistence between IMT and these applications,

invites the ITU Radiocommunication Sector

1 to develop harmonized frequency arrangements for the implementation of the terrestrial component of IMT in the frequency band 66-71 GHz;

2 to develop ITU-R Recommendations and/or Reports, as appropriate, to assist administrations in ensuring the efficient use of the frequency band through coexistence mechanisms between IMT and other applications of the mobile service, including other wireless access systems, as well as between the mobile service and other services;

3 to regularly review, as appropriate, the impact of evolving technical and operational characteristics of IMT systems (including base-station density) and those of systems of space services on sharing and compatibility, and to take into account the results of these reviews in the development and/or revision of ITU-R Recommendations/Reports addressing, *inter alia*, if necessary, applicable measures to mitigate the risk of interference into space receivers,

instructs the Director of the Radiocommunication Bureau

to bring this Resolution to the attention of relevant international organizations.