

RESOLUTION 246 (WRC-19)

**Studies to consider possible allocation of the frequency band
3 600-3 800 MHz to the mobile, except aeronautical mobile,
service on a primary basis within Region 1**

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

considering

- a)* that the frequency band 3 600-3 800 MHz is allocated to the fixed and fixed-satellite services on a primary basis in all three Regions and is also allocated to the mobile, except aeronautical mobile, service on a primary basis within Regions 2 and 3;
- b)* that the frequency band 3 600-3 800 MHz is allocated to the mobile service on a secondary basis within Region 1;
- c)* that terrestrial systems of the mobile service are intended to provide telecommunication services on a worldwide scale, regardless of location;
- d)* that some administrations in Region 1 are currently using the frequency band 3 600-3 800 MHz, or part of that frequency band, for the mobile service (for example International Mobile Telecommunications (IMT) implementation);
- e)* the need to protect existing services when considering possible additional allocation to any service in any frequency band;
- f)* that the systems operating in the new allocation should not impose constraints on the existing systems of primary services, including in adjacent frequency bands,

recognizing

- a)* that there is a need in many countries to identify additional harmonized spectrum resources for cost-effective implementation of mobile systems;
- b)* that the ITU Radiocommunication Sector (ITU-R) performed studies in the frequency band 3 400-4 200 MHz between the fixed-satellite service (FSS) and IMT during previous study cycles (for example Reports ITU-R S.2368 and ITU-R M.2109);
- c)* that for African countries, especially those in tropical areas, the operations of FSS systems are more reliable for use in at C-band frequencies (3 400-4 200 MHz), rather than in higher frequency bands,

resolves to invite the ITU Radiocommunication Sector

to conduct sharing and compatibility studies in time for WRC-23 between the mobile service and other services allocated on a primary basis within the frequency band 3 600-3 800 MHz and adjacent frequency bands in Region 1, as appropriate, to ensure protection of those services to which the frequency band is allocated on a primary basis and not impose undue constraints on the existing services and their future development,

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invites the 2023 World Radiocommunication Conference

based on the results of studies in *resolves to invite the ITU Radiocommunication Sector*, to consider possible upgrade of the allocation of the frequency band 3 600-3 800 MHz to the mobile, except aeronautical mobile, service on a primary basis within Region 1, and to take appropriate regulatory actions,

invites administrations

to participate in these studies in the process of preparation for WRC-23.