

The Outline of Proposed Amendment to Ministerial Ordinance

1 Item

Partial amendment of Regulations for Enforcement of the Radio Law, etc.

2 Amendment to Ministerial Ordinance

Ordinance for Enforcement of the Radio Act

Regulations for Procedure for Obtaining a Radio Station License

Regulations for Operating Radio Stations

Regulations for Radio Equipment

Ordinance on Technical Standards Conformity Certification of Specified Radio Equipment

Notices related

3 Reasons for amendment

Recently, small artificial satellites come to be used practically, and it makes available to use a satellite constellation which links and operates a large number of small satellites launched in medium and low orbits with minimum communication latency. Therefore, it has become possible to provide various services, such as high-speed, large-capacity communications services.

Based on these circumstances, a new communication service is scheduled to start. The service uses the Ku-band non-geostationary satellite communication system with a satellite constellation using an orbit at around 500 km altitude

In respond to above new needs, Japan will institutionalize the technical requirements for implementing this Ku-band non-geostationary satellite communications systems by satellite constellation at around 500km altitude.

4 Outline of the amendment

New clauses about technical requirement of Ku-band non-geostationary satellite communications systems by satellite constellation at around 500km altitude will be inserted.

Item	Technical requirements
Name	Ku-band non-geostationary satellite communications systems by satellite constellation at around 500km
Frequency Band	Uplink: 14.0 – 14.5GHz Downlink: 10.7 – 12.7GHz

General condition	Appropriate measures shall be taken to prevent inappropriate use for promoting security, and to satisfy the Radio-radiation protection guidelines in order to countermeasure effects on the human body, etc.
Frequency tolerance	100×10^{-6}
Antenna power tolerance	Upper limit 50%, Lower limit 50%
Minimum elevation angle of transmitting antenna	To keep at least 3 degrees from the horizontal plane

5 Proposed date of entry into force
July, 2021