

## The Outline of Proposed Amendment to Ministerial Ordinance

### 1 Item

Ordinance for Enforcement of the Radio Act etc.

### 2 Amendment to Ministerial Ordinance

Ordinance for Enforcement of the Radio Act

Regulations for Radio Equipment

### 3 Reasons for amendment

sXGP (shared eXtended Global Platform), which use 1.9GHz-band, was institutionalized as “private Digital Codeless Phone system” in 2017. However, the frequency band allocated for this system is only for one telecom carrier currently. To provide availability and enlargement for this system to use as IP multi-media service, expansion of the frequency channel is required.

Japan will amend the current technical regulations for Radio station of digital cordless phone using sXGP method considering these needs.

4 Amendment Outline (Red underlined character will be amended)

Item	Technical requirements
Name	Radio station of digital cordless phone using sXGP method
Frequency Band	1888.5MHz~1916.6MHz
Carrier Frequency	<u>1891MHz</u> , 1899.1MHz, <u>1914.1MHz</u>
Transmission method	Combination of TDMA or SC-FDMA and TDD
Modulation method	For base units: BPSK, QPSK, 16QAM, 64QAM or 256QAM For mobile units :BPSK, QPSK, 16QAM or 64QAM
Allowable deviation of Frequency	Within $0.25 \times 10^{-6}$
Occupied Bandwidth	5MHz
Antenna Power	For base units: 200mW (23dBm) or less For codeless units: 100mW(20dBm) or less
Antenna Gain	4dBi or less
Frame Length	10 msec
Spurious	-36dBm/MHz or less
Carrier sense (for the protection of speech channel)	Two or more consecutive frames must have the following carrier sense level. <ul style="list-style-type: none"> <li>● When each of base units and codeless units get carrier sense function: -56dBm or less</li> <li>● When only base units get carrier sense function on behalf of codeless units : -64dBm or less</li> </ul>
Carrier sense (for the protection of control channel of PHS)	-82dBm <u>when base units emit 1899.1MHz</u>
Prevention of misconnection	Identification code length is more than 24bits by using IMSI

5 Proposed date of entry into force  
November, 2020