

## The Outline of Proposed Amendment to Ministerial Ordinance

### 1. Item

Partial amendment of Regulations for Radio Equipment

### 2. Amendment to ministerial ordinance

Regulations for Radio Equipment

### 3. Reasons for amendment

During disasters, this service will send notices via satellites about the location and opening of evacuation shelters, number of evacuees, and circumstances at evacuation shelters. This information is essential for rescue operations, including comprehending the circumstances of the disaster and people who are isolated. To adapt to these needs, arrange the technical standards of the Portable mobile satellite communication system for disaster measures.

### 4. Outline of the amendment

Technical requirements of radio equipment

Item	
Name	Portable mobile satellite communication system for disaster measures
Frequency band	<b>【Up Link】</b> 2000MHz-2005MHz <b>【Down Link】</b> 2190MHz-2195MHz
Communication Systems	Transmit signal of each movement bureau where you communicate with a base station be distinguished automatically.
Allowable deviation of frequency	$\pm 20 \times 10^{-6}$
Antenna Power	EIRP: less than 2dBW
Allowable deviation of Antenna Power	-50 to +20 %

Spurious	<p>Be satisfied the figure below of the spectrum characteristics</p> <p>The graph displays the transmit spectrum mask. The y-axis represents EIRP in dBw, ranging from 0 to -140. The x-axis represents frequency in MHz, with major ticks at 1997, 2000, 2005, and 2010. A solid blue line shows the mask profile, which is flat at -41.0 dBw except for two stepped regions. The first step occurs at 1997 MHz, dropping to -111.8 dBw, and the second step occurs at 2010 MHz, dropping to -116.8 dBw. A green dashed line also shows the -41.0 dBw level. Vertical red dashed lines are at 2000 MHz and 2005 MHz. Horizontal arrows indicate bandwidths: 3MHz between 1997 and 2000 MHz, 0.090MHz between 2000 and 2005 MHz, 0.406MHz between 2005 and 2010 MHz, and 5MHz between 2010 and 2015 MHz.</p>
Leak radiation from receiver circuit	4nW
Antenna plane of polarisation	right-handed circularly polarized wave

5. Proposed date of entry into force  
January, 2017