

TECHNICAL CONDITIONS, ETC. FOR RADIO EQUIPMENT USED AT RADIO STATIONS OF A DIGITAL CORDLESS TELEPHONE OR LAND MOBILE STATIONS OF A PERSONAL HANDY PHONE SYSTEM

(Article 49.8.2 paragraph 1 and paragraph 2, and Article 49.8.3 paragraph 1 and paragraph 2 of the Ordinance Regulating Radio Equipment)

December 25, 1998

Ministry of Posts and Telecommunications Announcement No. 612

Finally amended in No. 130 on February 28, 2002

The technical conditions for the radio equipment which is used at a radio station of a digital cordless telephone or at a radio station of a personal handy phone system shall be stipulated as follows based on the provisions of the proviso of a and c of Article 49.8.2 paragraph 1 item 1, d of item 1, f of item 1, the proviso of e of Article 49.8.2 paragraph 2 item 2, the proviso of Article 49.8.2 paragraph 2 item 2, Article 49.8.2 paragraph 2 item 3, the proviso of Article 49.8.3 paragraph 1 item 1, and the proviso of Article 49.8.3 paragraph 2 item 3 of the Ordinance Regulating Radio Equipment (Radio Regulatory Commission Regulations No. 18 of 1950).

Ministry of Posts and Telecommunications Announcement No. 522 of 1993 (the Announcement prescribing the number of multiplexed channels, etc. in time division multiplexing of the radio equipment which is used at a radio station of a digital cordless telephone, a land mobile station of a personal handy phone system, a base station of a personal handy phone system, or a radio station which performs communication for testing personal handy phone system communication equipment) shall be repealed.

- 1 The number of multiplexed channels in time division multiple telecommunication, the number of channels per carrier in time division multiple access shall be 4.
- 2 The frame configuration of a time division duplex operation method shall be as shown in a separate figure.
- 3 The equipment that does not need to be contained in a cabinet of the radio equipment used at a radio station of a digital cordless telephone or a land mobile station of a personal handy phone system shall be as follows.
 - (1) Indicators which indicate the operation state of a transmitting device and a receiving device
 - (2) Operating devices which conduct the operation for speech
 - (3) Volume controllers and their equivalents
- 4 The technical conditions for the carrier sensing device shall be as follows.

Only when the receiving device input voltage based on the emissions radiated by a radio station other than that of the party on the other end of communication is 159 μ V or lower over 4 or more continuous frames in the receiving slot corresponding to the slot used to radiate the emissions, when the emissions are radiated (except when being radiated in a control channel), the radiation of emissions at the said slot shall be possible.

- 5 When the radio equipment used for a radio station of a digital cordless telephone radiates emissions in the control channel, the transmission rate of the said emissions shall be within 5 ms/second per carrier.
- 6 The transmission rate of a signal which consists of pulses converted from, for example, voice shall be 32,000 bits/s.
- 7 Radio communication which is performed between two or more digital cordless telephone handsets which memorize the same identification code (which is a code for identifying the party on the other end of communication and which refers to a code other than the identification signal prescribed in Article 8 paragraph 1 item 3 of the Radio Law (Law No. 131 of 1950); the same applies hereafter), which is performed between two or more land mobile stations of a personal handy phone system memorizing the same identification code, or which is performed between a digital cordless telephone handset memorizing the same identification code and a land mobile station of a personal handy phone system, and for which a digital cordless telephone base unit and a base station of a personal handy phone system are bypassed, shall comply with the conditions below.
- (1) Emissions of a frequency of either 1896.05 MHz, 1896.95 MHz, or 1897.55 MHz shall be used.
 - (2) The frequency of emissions to be transmitted shall be automatically selected by receiving the emissions from a digital cordless telephone handset which transmits the emissions first or from a land mobile station of a personal handy phone system which transmits the emission first.
 - (3) The speech time shall not exceed 180 seconds.
 - (4) After a speech time, the radiation of emissions shall be stopped for two seconds or more.
 - (5) The maximum number of simultaneously usable channels shall be 2.
- 8 The maximum number of simultaneously usable channels in the radio equipment used for the land mobile station of a digital cordless telephone handset and a personal handy phone system shall be 4 except when the channel is switched. However, for the radio communication which is performed between two or more digital cordless telephone handsets (limited to those which memorize the call name of the same digital cordless telephone base unit), which is performed between two or more land mobile stations of a personal handy phone system (limited to those which memorize the call name of the same digital cordless telephone base units), or which is performed between a digital cordless telephone handset memorizing the call name of the same digital cordless telephone base unit and a land mobile station of a personal handy phone system, and for which a digital cordless telephone base unit and a base station of a personal handy phone system are bypassed, the maximum number of simultaneously usable channels shall be 2.

Figure

