

## Federal Communications Commission

## § 90.721

### § 90.717 Channels available for nationwide systems in the 220–222 MHz band.

(a) Channels 51–60, 81–90, and 141–150 are 10-channel blocks available to non-Government applicants only for nationwide Phase II systems.

(b) Channels 21–25, 26–30, 151–155, and 156–160 are 5-channel blocks available to non-Government applicants only for nationwide, commercial Phase I systems.

(c) Channels 111–115 and 116–120 are 5-channel blocks available for Government nationwide use only.

[62 FR 15994, Apr. 3, 1997]

### § 90.719 Individual channels available for assignment in the 220–222 MHz band.

(a) Channels 171 through 200 are available to both Government and non-Government Phase I applicants, and may be assigned singly or in contiguous channel groups.

(b) Channels 171 through 180 are available for any use by Phase I applicants consistent with this subpart.

(c) Channels 181 through 185 are set aside in Phase II for emergency medical use for applicants that meet the eligibility criteria of § 90.20(a)(1)(iii) or § 90.20(a)(2)(xiii).

(d) Channels 161 through 170 and 181 through 185 are the only 220–222 MHz channels available to Phase II non-nationwide, Government users.

[62 FR 15994, Apr. 3, 1997, as amended at 62 FR 18936, Apr. 17, 1997]

### § 90.720 Channels available for public safety/mutual aid.

(a) Part 90 licensees who meet the eligibility criteria of §§ 90.20(a)(1), 90.20(a)(2)(i), 90.20(a)(2)(ii), 90.20(a)(2)(iii), 90.20(a)(2)(iv), 90.20(a)(2)(vii), 90.20(a)(2)(ix), or 90.20(a)(2)(xiii) are authorized by this rule to use mobile and/or portable units on Channels 161–170 throughout the United States, its territories, and possessions to transmit:

(1) Communications relating to the immediate safety of life;

(2) Communications to facilitate interoperability among entities eligible under §§ 90.20(a)(1), 90.20(a)(2)(i), 90.20(a)(2)(ii), 90.20(a)(2)(iii),

90.20(a)(2)(iv), 90.20(a)(2)(vii), 90.20(a)(2)(ix), and 90.20(a)(2)(xiii); or

(3) Communications on behalf of and by members of organizations established for disaster relief purposes having an emergency radio communications plan (*i.e.*, licensees eligible under § 90.20(a)(2)(vii)) for the transmission of communications relating to the safety of life or property, the establishment and maintenance of temporary relief facilities, and the alleviation of emergency conditions during periods of actual or impending emergency, or disaster, until substantially normal conditions are restored; for limited training exercises incidental to an emergency radio communications plan, and for necessary operational communications of the disaster relief organization or its chapter affiliates.

(b) Any Government entity and any non-Government entity eligible to obtain a license under §§ 90.20(a)(1), 90.20(a)(2)(i), 90.20(a)(2)(ii), 90.20(a)(2)(iii), 90.20(a)(2)(iv), 90.20(a)(2)(vii), 90.20(a)(2)(ix), or 90.20(a)(2)(xiii) is also eligible to obtain a license for base/mobile operations on Channels 161 through 170. Base/mobile or base/portable communications on these channels that do not relate to the immediate safety of life or to communications interoperability among the above-specified entities, may only be conducted on a secondary non-interference basis to such communications.

[62 FR 18936, Apr. 17, 1997]

### § 90.721 Other channels available for non-nationwide systems in the 220–222 MHz band.

(a) The channel groups listed in the following Table are available to both Government and non-Government Phase I applicants for trunked operations or operations of equivalent or greater efficiency for non-commercial or commercial operations.

TABLE 1—PHASE I TRUNKED CHANNEL GROUPS

Group No.	Channel Nos.
1 .....	1–31–61–91–121
2 .....	2–32–62–92–122
3 .....	3–33–63–93–123
4 .....	4–34–64–94–124
5 .....	5–35–65–95–125
6 .....	6–36–66–96–126
7 .....	7–37–67–97–127
8 .....	8–38–68–98–128

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**TABLE 1—PHASE I TRUNKED CHANNEL GROUPS—Continued**

Group No.	Channel Nos.
9 .....	9–39–69–99–129
10 .....	10–40–70–100–130
11 .....	11–41–71–101–131
12 .....	12–42–72–102–132
13 .....	13–43–73–103–133
14 .....	14–44–74–104–134
15 .....	15–45–75–105–135
16 .....	16–46–76–106–136
17 .....	17–47–77–107–137
18 .....	18–48–78–108–138
19 .....	19–49–79–109–139
20 .....	20–50–80–110–140

(b) The channels listed in the following Table are available to non-Government applicants for Phase II assignments in Economic Areas (EAs) and Regional Economic Area Groupings (REAGs) (*see* §§90.761 and 90.763).

**TABLE 2—PHASE II EA AND REGIONAL CHANNEL ASSIGNMENTS**

Assignment	Assignment area	Group Nos. (from table 1)	Channel Nos.
A .....	EA	2 and 13.	171–180
B .....	EA	3 and 16.	
C .....	EA	5 and 18.	
D .....	EA	8 and 19.	
E .....	EA	.....	
F .....	REAG	1, 6, and 11.	186–200
G .....	REAG	4, 9, and 14.	
H .....	REAG	7, 12, and 17.	
I .....	REAG	10, 15, and 20.	
J .....	REAG	.....	

[62 FR 15995, Apr. 3, 1997]

**§ 90.723 Selection and assignment of frequencies.**

(a) Phase II applications for frequencies in the 220–222 MHz band shall specify whether their intended use is for 10-channel nationwide systems, 10-channel EA systems, 15-channel Regional systems, public safety/mutual aid use, or emergency medical use. Phase II applicants for frequencies for public safety/mutual aid use or emergency medical use shall specify the number of frequencies requested. All frequencies in this band will be assigned by the Commission.

(b) Phase II channels will be assigned pursuant to §§90.717, 90.719, 90.720, 90.721, 90.761 and 90.763.

(c) Phase II applicants for public safety/mutual aid and emergency medical channels will be assigned only the

number of channels justified to meet their requirements.

(d) Phase I base or fixed station receivers utilizing 221–222 MHz frequencies assigned from Sub-band A as designated in §90.715(b) will be geographically separated from those Phase I base or fixed station transmitters utilizing 220–221 MHz frequencies removed 200 kHz or less and assigned from Sub-band B as follows:

**GEOGRAPHIC SEPARATION OF SUB-BAND A; BASE OR FIXED STATION RECEIVERS AND SUB-BAND B; BASE OR FIXED STATION TRANSMITTERS EFFECTIVE**

Separation distance (kilometers)	Radiated power (watts) <sup>1</sup>
0.0–0.3 .....	( <sup>2</sup> )
0.3–0.5 .....	5
0.5–0.6 .....	10
0.6–0.8 .....	20
0.8–2.0 .....	25
2.0–4.0 .....	50
4.0–5.0 .....	100
5.0–6.0 .....	200
Over 6.0 .....	500

<sup>1</sup> Transmitter peak envelope power shall be used to determine effective radiated power.

<sup>2</sup> Stations separated by 0.3 km or less shall not be authorized. This table does not apply to the low-power channels 196–200. *See* §90.729(c).

(e) Phase II licensees authorized on 220–221 MHz frequencies assigned from Sub-band B will be required to geographically separate their base station or fixed station transmitters from the base station or fixed station receivers of Phase I licensees authorized on 221–222 MHz frequencies 200 kHz removed or less in Sub-band A in accordance with the Table in paragraph (d) of this section. Such Phase II licensees will not be required to geographically separate their base station or fixed station transmitters from receivers associated with additional transmitter sites that are added by such Phase I licensees in accordance with the provisions of §90.745(a).

(f) Phase II licensees with base or fixed stations transmitting on 220–221 MHz frequencies assigned from Sub-band B and Phase II licensees with base or fixed stations receiving on Sub-band A 221–222 MHz frequencies, if such transmitting and receiving frequencies are 200 kHz or less removed from one another, will be required to coordinate the location of their base stations or fixed stations to avoid interference and