

TABLE E-7—MAXIMUM ERP (WATTS) FOR CONTROL TRANSMITTERS—Continued

| Distance to protected TV station in kilometers (miles) | Antenna height above average terrain in meters (feet) |             |             |             |             |              |              |              |              |
|--|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
|  | 30<br>(100)   | 46<br>(150) | 61<br>(200) | 76<br>(250) | 91<br>(300) | 107<br>(350) | 122<br>(400) | 137<br>(450) | 152<br>(500) |
| 105 (65) .....   | 1000  | 1000        | 1000        | 1000        | 1000        | 1000         | 825          | 650          | 600          |
| 103 (64) .....   | 1000  | 1000        | 1000        | 1000        | 1000        | 775          | 625          | 500          | 400          |
| 101 (63) .....   | 1000  | 1000        | 1000        | 1000        | 440         | 400          | 350          | 320          | 300          |
| 100 (62) .....   | 1000  | 1000        | 1000        | 525         | 375         | 250          | 200          | 150          | 125          |
| 98 (61) .....  | 1000  | 700         | 450         | 250         | 200         | 125          | 100          | 75           | 50           |
| 97 (60) .....  | 1000  | 425         | 225         | 125         | 100         | 75           | 50           | .....        | .....        |

See § 22.627(b)(2). This table applies to control transmitters in the Boston, Chicago, Cleveland, Detroit, Los Angeles, New York-Northeastern New Jersey, Philadelphia, Pittsburgh and Washington, DC urban areas. This table is for antenna heights of 152 meters (500 feet) or less above average terrain. For antenna heights between those in the table, use the next higher antenna height. For distances between those in the table, use the next lower distance.

[59 FR 59507, Nov. 17, 1994; 60 FR 9890, Feb. 22, 1995; as amended at 63 FR 68946, Dec. 14, 1998]

#### 470-512 MHZ TRUNKED MOBILE OPERATION

##### § 22.651 470-512 MHz channels for trunked mobile operation.

The following channels are allocated for assignment to transmitters providing trunked public mobile service within the specified urban areas. All channels have a bandwidth of 20 kHz and are designated by their center frequencies in MegaHertz.

| Houston                      |          |                |          |
|------------------------------|----------|----------------|----------|
| 488.0125 .....               | 491.0125 | 488.0875 ..... | 491.0875 |
| 488.0375 .....               | 491.0375 | 488.1125 ..... | 491.1125 |
| 488.0625 .....               | 491.0625 | 488.1375 ..... | 491.1375 |
| New York-Northern New Jersey |          |                |          |
| 473.0125 .....               | 479.0125 | 473.1625 ..... | 479.1625 |
| 473.0375 .....               | 479.0375 | 473.1875 ..... | 479.1875 |
| 473.0625 .....               | 479.0625 | 473.2125 ..... | 479.2125 |
| 473.0875 .....               | 479.0875 | 473.2375 ..... | 479.2375 |
| 473.1125 .....               | 479.1125 | 473.2625 ..... | 479.2625 |
| 473.1375 .....               | 479.1375 | 473.2875 ..... | 479.2875 |

[59 FR 59507, Nov. 17, 1994; 60 FR 9891, Feb. 22, 1995]

##### § 22.653 Eligibility.

Only licensees already authorized to provide trunked mobile service or their successors in interest are eligible to apply for additional use of these channels for trunked mobile service, and then only in the urban areas already authorized.

##### § 22.657 Transmitter locations.

The purpose of the rules in paragraphs (a) and (b) of this section is to define the areas in which the 470-512 MHz channels are allocated for public mobile use. The purpose of the rules in paragraphs (c) through (f) of this section is to reduce the likelihood that in-

terference to television reception from public mobile operations on these channels will occur. The protected TV station locations specified in paragraphs (d), (e)(1) and (f) of this section are the locations of record as of September 1974, and these do not change even though the TV stations may have been subsequently relocated.

(a) *Base transmitter locations.* Base transmitter locations must be within 80 kilometers (50 miles) of the designated locations in this paragraph. Mobile transmitters must not be operated at locations more than 129 kilometers (80 miles) from the designated locations in this paragraph. Note: All coordinates are referenced to North American Datum 1983 (NAD83).

| Urban area               | N. latitude | W. longitude |
|--------------------------|-------------|--------------|
| Houston, TX .....        | 29°45'26.8" | 95°21'37.8"  |
| New York, NY-NE NJ ..... | 40°45'06.4" | 73°59'37.5"  |

(b) *Mobile area of operation.* Mobile transmitters must not be operated at locations more than 48 kilometers (30 miles) from all associated base stations.

(c) *Protection from intermodulation interference.* Base transmitter locations must be at least 1.6 kilometers (1 mile) from the current main transmitter locations of all TV stations transmitting on TV channels separated by 2, 3, 4, 5, 7, or 8 TV channels from the TV channel containing the frequencies on which the base station will transmit. This requirement is intended to reduce the likelihood of intermodulation interference.