

**Federal Communications Commission**

**§ 24.132**

Channel 10: 940.80–940.85 MHz; and,  
Channel 11: 940.85–940.90 MHz.

(b) Six frequencies are available for assignment on a regional basis as follows:

(1) Two 50 kHz channels paired with 50 kHz channels:

Channel 12: 940.25–940.30 and 901.25–901.30 MHz; and,  
Channel 13: 940.30–940.35 and 901.30–901.35 MHz.

(2) Four 50 kHz channels paired with 12.5 kHz channels:

Channel 14: 930.55–930.60 and 901.7875–901.8000 MHz;  
Channel 15: 930.60–930.65 and 901.8000–901.8125 MHz;  
Channel 16: 930.65–930.70 and 901.8125–901.8250 MHz; and,  
Channel 17: 930.70–930.75 and 901.8250–901.8375 MHz.

(c) Nine frequencies are available for assignment on an MTA basis as follows:

(1) Two 50 kHz channels paired with 50 kHz channels:

Channel 18: 940.35–940.40 and 901.35–901.40 MHz; and,  
Channel 19: 940.40–940.45 and 901.40–901.45 MHz.

(2) Five 50 kHz channels paired with 12.5 kHz channels:

Channel 20: 930.75–930.80 and 901.8375–901.8500 MHz;  
Channel 21: 930.80–930.85 and 901.8500–901.8625 MHz;  
Channel 22: 930.85–930.90 and 901.8625–901.8750 MHz;  
Channel 25: 930.90–930.95 and 901.8750–901.8875 MHz; and,  
Channel 26: 930.95–931.00 and 901.8875–901.9000 MHz.

(3) Two 50 kHz unpaired channels:

Channel 23: 940.90–940.95 MHz; and  
Channel 24: 940.95–941.00 MHz.

NOTE 1: Operations in markets or portions of markets which border other countries, such as Canada and Mexico, will be subject to on-going coordination arrangements with neighboring countries.

[59 FR 44069, Aug. 26, 1994, as amended at 65 FR 35853, June 6, 2000]

**§ 24.130 Paging response channels.**

The following eight 12.5 kHz unpaired channels are available for assignment on an MTA basis and shall be used only

to provide mobile-to-base station communications:

- A: 901.9000–901.9125 MHz;
- B: 901.9125–901.9250 MHz;
- C: 901.9250–901.9375 MHz;
- D: 901.9375–901.9500 MHz;
- E: 901.9500–901.9625 MHz;
- F: 901.9625–901.9750 MHz;
- G: 901.9750–901.9875 MHz; and
- H: 901.9875–902.0000 MHz.

[65 FR 35853, June 6, 2000]

**§ 24.131 Authorized bandwidth.**

The authorized bandwidth of narrowband PCS channels will be 10 kHz for 12.5 kHz channels and 45 kHz for 50 kHz channels. For aggregated adjacent channels, a maximum authorized bandwidth of 5 kHz less than the total aggregated channel width is permitted.

**§ 24.132 Power and antenna height limits.**

(a) Stations transmitting in the 901–902 MHz band are limited to 7 watts e.r.p.

(b) Mobile stations transmitting in the 930–931 MHz and 940–941 MHz bands are limited to 7 watts e.r.p.

(c) Base stations transmitting in the 930–931 MHz and 940–941 MHz bands are limited to 3500 watts e.r.p. per authorized channel and are unlimited in antenna height except as provided in paragraph (d) of this section.

(d)(1) MTA and regional base stations located between 200 kilometers (124 miles) and 80 kilometers (50 miles) from their licensed service area border are limited to the power levels in the following table:

Antenna HAAT in meters (feet) (see § 24.53 for HAAT calculation method)	Effective radiated power (e.r.p.) (watts)
183 (600) and below	3500
183 (600) to 208 (682)	3500 to 2584
208 (682) to 236 (775)	2584 to 1883
236 (775) to 268 (880)	1883 to 1372
268 (880) to 305 (1000)	1372 to 1000
305 (1000) to 346 (1137)	1000 to 729
346 (1137) to 394 (1292)	729 to 531
394 (1292) to 447 (1468)	531 to 387
447 (1468) to 508 (1668)	387 to 282
508 (1668) to 578 (1895)	282 to 206
578 (1895) to 656 (2154)	206 to 150
656 (2154) to 746 (2447)	150 to 109
746 (2447) to 848 (2781)	109 to 80
848 (2781) to 963 (3160)	80 to 58
963 (3160) to 1094 (3590)	58 to 42
1094 (3590) to 1244 (4080)	42 to 31
1244 (4080) to 1413 (4636)	31 to 22