(6) The Commission's Equipment Authorization Division will not accept applications for modification or permissive changes of Type Acceptance grants for single bandwidth mode transmitters designed to operate on channel bandwidths wider than 12.5 kHz granted prior to August 1, 1996, except under the following conditions:

(i) Transmitters that have the inherent capability for multi-mode or narrowband operation allowed in paragraphs (j)(2) and (j)(4) of this section, may have their grant of Type Acceptance modified upon demonstrating that the original unit complies with the technical requirements for operation.

(ii) New FCC Identifiers will be needed to identify modified equipment that complies with the requirements of paragraphs (j)(2) and (j)(4) of this section.

(7) Transmitters designed for one-way paging operations will be type accepted with a 25 kHz channel bandwidth.

25. Section 90.205 is revised to read as follows:

§ 90.205 Power and antenna height limits.

Applicants for licenses must request and use no more power than the actual power necessary for satisfactory operation. Except where otherwise specifically provided for, the maximum power that will be authorized to applicants whose license applications for new stations are filed after August 18, 1995 is as follows:

(a) *Below 25 MHz.* For single sideband operations (J3E emission), the maximum transmitter peak envelope power is 1000 watts.

(b) *25–50 MHz.* The maximum transmitter output power is 300 watts.

(c) *72–76 MHz.* The maximum effective radiated power (ERP) for stations operating on fixed frequencies is 300 watts. Stations operating on mobile-only frequencies are limited to one watt transmitter output power.

(d) *150–174 MHz.* (1) The maximum allowable station ERP is dependent upon the station's antenna HAAT and required service area and will be authorized in accordance with Table 1. Applicants requesting an ERP in excess of that listed in Table 1 must submit an engineering analysis based upon generally accepted engineering practices and standards that includes coverage contours to demonstrate that the requested station parameters will not produce coverage in excess of that which the applicant requires.

(2) Applications for stations with ERPs higher than permitted in Table 1 will be submitted to the frequency coordinator accompanied by an technical analysis, based upon generally accepted engineering practices and standards, that demonstrates that the requested station parameters will not produce a signal strength in excess of 37 dBu at any point along the edge of the requested service area. The coordinator may then recommend any ERP appropriate to meet this condition.

(3) An applicant for a station with a service area radius greater than 40 km (25 mi) must justify the requested service area radius, which will be authorized only in accordance with Table 1, note 4. Base stations with a service area radius greater than 80 km (50 mi) will be authorized only on a secondary basis.

TABLE 1—150–174MHz—MAXIMUM ERP/REFERENCE HAAT FOR A SPECIFIC SERVICE AREA RADIUS

	Service area radius (km)									
	3	8	13	16	24	32	40	48 [4]	64 [4]	80 [4]
Maximum ERP (w) [1]	1	28	178	[2] 500	[2] 500	[2] 500	500	[2] 500	[2] 500	[2] 500
Up to reference HAAT (m) [3]	15	15	15	15	33	65	110	160	380	670

[1] Maximum ERP indicated provides for a 37 dBu signal strength at the edge of the service area per FCC Report R–6602, Fig. 19 (See § 73.699, Fig. 10).

[2] Maximum ERP of 500 watts allowed. Signal strength at the service area contour may be less than 37 dBu.

[3] When the actual antenna HAAT is greater than the reference HAAT, the allowable ERP will be reduced in accordance with the following equation: $ERP_{allow} = ERP_{max} \times (HAAT_{ref} / HAAT_{actual})^2$.

[4] Applications for this service area radius may be granted upon specific request with justification and must include a technical demonstration that the signal strength at the edge of the service area does not exceed 37 dBu.

(e) *220–222 MHz.* Limitations on power and antenna heights are specified in § 90.729.

(f) *421–430 MHz.* Limitations on power and antenna heights are specified in § 90.279.

(g) *450–470 MHz.*

(1) The maximum allowable station effective radiated power (ERP) is dependent upon the station's antenna HAAT and required service area and will be authorized in accordance with Table 2. Applicants requesting an ERP in excess of that listed in Table 2 must submit an engineering analysis based upon generally accepted engineering practices and standards that includes coverage contours to demonstrate that the requested station parameters will not produce coverage in excess of that which the applicant requires.

(2) Applications for stations with ERPs higher than permitted in Table 2 will be submitted to the frequency coordinator accompanied by an technical analysis, based upon generally accepted engineering practices and standards, that demonstrates that the requested station parameters will not produce a signal strength in excess of 39 dBu at any point along the edge of the requested service area. The coordinator may then recommend any ERP appropriate to meet this condition.

(3) An applicant for a station with a service area radius greater than 32 km (20 mi) must justify the requested service area radius, which may be authorized only in accordance with Table 2, note 4. Base stations with a service area radius greater than 80 km (50 mi) will be authorized only on a secondary basis.

TABLE 2.—450–470 MHz—MAXIMUM ERP/REFERENCE HAAT FOR A SPECIFIC SERVICE AREA RADIUS

	Service area radius (km)									
	3	8	13	16	24	32	40 [4]	48 [4]	64 [4]	80 [4]
Maximum ERP (w) [1]	2	100	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500