such that the carrier frequencies remain within ±50 ppm of the channel center frequencies specified in § 95.2163(a) and (b), respectively, during normal operating conditions.

(b) LPRS transmitters operating on narrowband (5 kHz) channels must be designed such that the carrier frequencies remain within ±1.5 ppm of the channel center frequencies specified in § 95.2163(c) during normal operating conditions.

§ 95.2167 LPRS transmitting power.

Each LPRS transmitter type not intended for use with an AMTS station must be designed to satisfy the transmitting power limits in paragraph (a) of this section. The licensee of each AMTS station is responsible for compliance with paragraph (b) of this section.

(a) The ERP of an LPRS transmitter, other than an LPRS transmitter used with an AMTS station, must not exceed 100 mW.

(b) The ERP of an LPRS transmitter used with an AMTS station must not exceed 1 Watt.

§§ 95.2169–95.2171 [Reserved]

§ 95.2173 LPRS authorized bandwidths.

Each LPRS transmitter type must be designed such that the occupied bandwidth does not exceed the authorized bandwidth for the channel bandwidth used.

(a) The authorized bandwidth for emissions transmitted on the narrowband channels listed in § 95.2163(c) is 4 kHz.

(b) The occupied bandwidth for emissions transmitted on the standard band, extra band or AMTS channels listed in § 95.2163(a), (b), or (d), respectively, is limited through compliance with the unwanted emissions rule (§ 95.2179).

§§ 95.2175–95.2177 [Reserved]

§ 95.2179 LPRS unwanted emission limits.

The requirements in this section apply to each LPRS transmitter type both with and without the connection of attachments, such as an external microphone, power cord and/or antenna.

(a) *Emission masks.* Emission masks applicable to transmitting equipment in the LPRS are defined by the requirements in the following table. The numbers in the paragraphs column refer to attenuation requirement rule paragraph numbers under paragraph (b) of this section.

Channels	Paragraphs
narrowband 5 kHz	(1), (2)
standard band 25 kHz	(3), (4)
extra band 50 kHz	(5), (6)
AMTS 250 kHz	(7), (8)

(b) *Attenuation requirements.* The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) by at least:

(1) $30 + 20(f_d - 2)$ dB, 55 + 10 log (P) dB, or 65 dB, whichever is the least attenuation, on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d, in kHz) of more than 2 kHz, up to and including 3.75 kHz.

(2) 55 + 10 log (P) dB on any frequency removed from the center of the authorized bandwidth by more than 3.75 kHz.

(3) 30 dB on any frequency removed from the channel center frequency by 12.5 kHz to 22.5 kHz.

(4) 43 + 10 log (P) dB on any frequency removed from the channel center frequency by more than 22.5 kHz.

(5) 30 dB on any frequency removed from the channel center frequency by 25 kHz to 35 kHz.

(6) 43 + 10 log (P) dB on any frequency removed from the channel center frequency by more than 35 kHz.

(7) 30 dB on any frequency removed from the channel center frequency by 125 kHz to 135 kHz.

(8) 43 + 10 log (P) dB on any frequency removed from the channel center frequency by more than 135 kHz.

(c) *Measurement conditions and procedures.* The power of unwanted emissions in the frequency bands specified in paragraphs (b)(1), (3), (5), and (7) of this section is measured with a reference bandwidth of 300 Hz. The power of unwanted emissions in the frequency ranges specified in paragraphs (b)(2), (4), (6), and (8) is measured with a reference bandwidth of at least 30 kHz.