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shall be identified with a serial number.

(2) The FCC ID number associated with a medical implant transmitter and the information required by § 2.925 of this chapter may be placed in the instruction manual for the transmitter and on the shipping container for the transmitter, in lieu of being placed directly on the transmitter.

§ 95.2595 MedRadio disclosures.

Manufacturers of MedRadio transmitters must include with each transmitting device the statement set forth in this section that applies to the frequency bands in use.

(a) For MedRadio transmitters operating in the 401–406 MHz band, the following statement applies:

This transmitter is authorized by rule under the Medical Device Radiocommunication Service (in part 95 of the FCC Rules) and must not cause harmful interference to stations operating in the 400.150–406.000 MHz band in the Meteorological Aids (*i.e.*, transmitters and receivers used to communicate weather data), the Meteorological Satellite, or the Earth Exploration Satellite Services and must accept interference that may be caused by such stations, including interference that may cause undesired operation. This transmitter shall be used only in accordance with the FCC Rules governing the Medical Device Radiocommunication Service. Analog and digital voice communications are prohibited. Although this transmitter has been approved by the Federal Communications Commission, there is no guarantee that it will not receive interference or that any particular transmission from this transmitter will be free from interference.

(b) For MedRadio transmitters operating in the 413–419 MHz, 426–432 MHz, 438–444 MHz and 451–457 MHz bands, the following statement applies:

This transmitter is authorized by rule under the MedRadio Service (47 CFR part 95). This transmitter must not cause harmful interference to stations authorized to operate on a primary basis in the 413–419 MHz, 426–432 MHz, 438–444 MHz, and 451–457 MHz bands, and must accept interference that may be caused by such stations, including interference that may cause undesired operation. This transmitter shall be used only in accordance with the FCC Rules governing the MedRadio Service. Analog and digital voice communications are prohibited. Although this transmitter has been approved by the Federal Communications Commission, there is no guarantee that it will not receive interference or that any particular transmission from this transmitter will be free from interference.

(c) For MedRadio transmitters operating in the 2360–2400 MHz band, the following statement applies:

This transmitter is authorized by rule under the MedRadio Service (47 CFR part 95). This transmitter must not cause harmful interference to stations authorized to operate on a primary basis in the 2360–2400 MHz band, and must accept interference that may be caused by such stations, including interference that may cause undesired operation. This transmitter shall be used only in accordance with the FCC Rules governing the MedRadio Service. Analog and digital voice communications are prohibited. Although this transmitter has been approved by the Federal Communications Commission, there is no guarantee that it will not receive interference or that any particular transmission from this transmitter will be free from interference.

§§ 95.2597–95.2699 [Reserved]

Subpart J—Multi–Use Radio Service

§ 95.2701 Scope.

This subpart contains rules that apply only to the Multi-Use Radio Service (MURS).

§ 95.2703 Definitions, MURS.

MURS. A two-way, short distance voice or data communication service for facilitating personal or business activities of the general public.

§ 95.2705 Grandfathered MURS stations.

MURS stations that were licensed under part 90 of this chapter to operate on MURS frequencies as of November 13, 2000, are authorized by this rule to continue to operate under terms identical to those of such nullified part 90 authorizations, including any associated rule waivers.

§ 95.2707 Airborne use of MURS not authorized.

Notwithstanding the provisions of § 95.307, MURS operation is not authorized aboard aircraft in flight.

§§ 95.2709–95.2717 [Reserved]

§ 95.2719 MURS replacement parts.

The operator of an MURS transmitter may replace parts of an MURS transmitter as indicated in this section. All other internal maintenance and repairs must be carried out in accordance with § 95.319.

(a) A damaged antenna may be replaced by another antenna of the same or a compatible similar type.

(b) Batteries in the MURS transmitter may be replaced with batteries of a type specified by the manufacturer.

§§ 95.2721–95.2723 [Reserved]

§ 95.2725 MURS interference.

MURS station operators must take reasonable precautions to avoid causing harmful interference. This includes monitoring the transmitting frequency for communications in progress before transmitting, and other measures as may be necessary to minimize the potential for causing interference.

§§ 95.2727–95.2729 [Reserved]

§ 95.2731 Permissible MURS uses.

The operator of a MURS station may use it for the purposes listed in this section.

(a) MURS stations may be used to transmit voice, data or image signals.

(b) MURS stations may be used for telecommand and telemetry functions.

§ 95.2733 Prohibited MURS uses.

MURS stations must not be operated as repeater stations or signal boosters. This prohibition includes store-and-forward packet operation.

§§ 95.2735–95.2739 [Reserved]

§ 95.2741 MURS antenna height limit.

The highest point of any MURS station antenna must not be more than 18.3 meters (60 feet) above the ground or 6.10 meters (20 feet) above the highest point of the structure on which it is mounted. MURS station antennas must also meet the requirements in § 95.317 regarding menaces to air navigation. *See* 47 CFR 95.317 and consult part 17 of the FCC's Rules for more information (47 CFR part 17).

§§ 95.2743–95.2747 [Reserved]

§ 95.2749 MURS network connection.

MURS stations are prohibited from interconnection with the public switched network. *Interconnection Defined.* Connection through automatic or manual means of multi-use radio stations with the facilities of the public switched telephone network to permit the transmission of messages or signals between points in the wireline or radio network of a public telephone company and persons served by multi-use radio stations. Wireline or radio circuits or links furnished by common carriers, which are used by licensees or other authorized persons for transmitter control (including dial-up transmitter control circuits) or as an integral part of an authorized, private, internal system of communication or as an integral part of dispatch point circuits in a multi-use radio station are not considered to be interconnection for purposes of this rule part.

§§ 95.2751–95.2755 [Reserved]

§ 95.2757 MURS duration of transmissions.

MURS stations may not be operated in the continuous carrier transmit mode.

§ 95.2759 [Reserved]

§ 95.2761 MURS transmitter certification.

(a) Each MURS transmitter (a transmitter that operates or is intended to operate in MURS) must be certified in accordance with this subpart and part 2 of this chapter.

(b) A grant of equipment certification will not be issued for any MURS transmitter type that fails to comply with all of the applicable rules in this subpart.

(c) A grant of equipment certification will not be issued for MURS transmitters capable of operating under both this subpart (MURS) and under any other subparts of this chapter (except part 15).

§ 95.2763 MURS channels.

Five VHF channels are allotted for shared use in the MURS. These channels, designated by their center frequencies in megahertz, are as follows: 151.820, 151.880, 151.940, 154.570, and 154.600 MHz. Each MURS transmitter type must be designed to transmit on one or more of these channels.

§ 95.2765 MURS frequency accuracy.

Each MURS transmitter type must be designed to meet the applicable frequency tolerance and stability requirements of this section.

(a) MURS transmitters that operate with an emission bandwidth of 6.25 kHz or less must be designed such that the carrier frequencies remain within ±2.0 parts-per-million (ppm) of the channel center frequencies specified in § 95.2763 during normal operating conditions.

(b) MURS transmitters that operate with an emission bandwidth greater than 6.25 kHz must be designed such that the carrier frequencies remain within ±5.0 ppm of the channel center frequencies specified in § 95.2763 during normal operating conditions.

§ 95.2767 MURS transmitting power limit.

Each MURS transmitter type must be designed such that the transmitter power output does not exceed 2 Watts under normal operating conditions.

§ 95.2769 [Reserved]

§ 95.2771 MURS emission types.

A MURS transmitter must transmit only emission types A1D, A2B, A2D, A3E, F2B, F1D, F2D, F3E, and G3E. Emission types A3E, F3E and G3E may include selective calling or tone-operated squelch tones to establish or continue voice communications. MURS transmitters are prohibited from transmitting in the continuous carrier mode.

§ 95.2773 MURS authorized bandwidths.

Each MURS transmitter type must be designed to meet the emission bandwidth limitations in this section.

(a) The occupied bandwidth of emissions transmitted on the center frequencies 151.820 MHz, 151.880 MHz, and 151.940 MHz must not exceed 11.25 kHz.

(b) The occupied bandwidth of emissions transmitted on the center frequencies 154.570 MHz and 154.600 MHz must not exceed 20.0 kHz.

(c) The occupied bandwidth of type A3E emissions must not exceed 8.0 kHz.

§ 95.2775 MURS audio filter.

The audio filter referenced in § 95.2779 must satisfy the requirements in this section.

(a) The audio filter must be between the modulation limiter and the modulated stage of the transmitter.

(b) At any frequency (f in kHz) between 3 and 15 kHz, the filter must have an attenuation of at least 40 log (f/3) dB more than the attenuation at 1 kHz. Above 15 kHz, it must have an attenuation of at least 28 dB more than the attenuation at 1 kHz.

§ 95.2777 [Reserved]

§ 95.2779 MURS unwanted emissions limits.

The requirements in this section apply to each MURS 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 MURS 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. The words ''audio filter'' refer to the audio filter described in § 95.2775.

Channel center frequencies (MHz)	Paragraphs
151.820, 151.880 and 151.940	(1), (2).
154.570 & 154.600, with audio filter	(3), (4), (7).
154.570 & 154.600, without audio filter	(5), (6), (7).

(1) Each MURS transmitter type that transmits F3E or G3E emissions on 154.570 MHz or 154.600 MHz and incorporates an audio filter satisfying the requirements of § 95.2775 in its design may comply with the less stringent unwanted emissions attenuation requirements set forth in paragraphs (b)(3), (4), and (7) of this section.

(2) Each MURS transmitter type that transmits on 154.570 MHz or 154.600 MHz, but does not incorporate an audio filter satisfying the requirements of §95.2775 in its design, must comply with the unwanted emissions attenuation requirements set forth in paragraphs (b)(5) through (7) of this section.

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

(1) $7.27(f_d - 2.88$ kHz) dB on any frequency removed from the channel center frequency by a displacement frequency (f_d in kHz) that is more than 5.625 kHz, but not more than 12.5 kHz.

(2) 50 + 10 log (P) dB or 70 dB, whichever is the lesser attenuation, on any frequency removed from the channel center frequency by more than 12.5 kHz.

(3) 25 dB on any frequency removed from the channel center frequency by more than 10 kHz, but not more than 20 kHz.

(4) 35 dB on any frequency removed from the channel center frequency by more than 20 kHz, but not more than 50 kHz.

(5) 83 log ($f_d \div 5$) dB on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) that is more than 5 kHz, but not more than 10 kHz.

(6) 29 log ($f_d^2 \div 11$) dB or 50 dB, whichever is the lesser attenuation on any frequency removed from the channel center frequency by a displacement frequency (f_d in kHz) that is more than 10 kHz, but not more than 50 kHz.

(7) 43 + 10 log(P) dB on any frequency removed from the channel center frequency by more than 50 kHz.

(c) *Measurement bandwidths.* The power of unwanted emissions in the frequency bands specified in paragraphs (b)(1) and (3) through (6) 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) and (7) of this section is measured with a reference bandwidth of at least 30 kHz.

§§ 95.2781–95.2899 [Reserved]

Subpart K—Personal Locator Beacons and Maritime Survivor Locating Devices

§ 95.2901 Scope.

This subpart contains rules that apply only to Personal Locator Beacons (PLBs) and Maritime Survivor Locating Devices (MSLDs).

§ 95.2903 Definitions, PLBs and MSLDs.

Identification code. An identification code issued by the National Oceanic and Atmospheric Administration (NOAA) to establish a unique identification for each PLB.

National Oceanic and Atmospheric Administration (NOAA). The U.S. Government Agency that is the United States Program Manager for the 406 MHz COSPAS/SARSAT satellite system.

Maritime Survivor Locating Device (MSLD). A device intended to aid in the location of persons in the water.

Personal Locator Beacon (PLB). A small portable transmitter, compliant with all of the rules in this subpart, that is intended to provide individuals in remote areas a means to alert others of an emergency situation and to aid search and rescue personnel to locate those in distress.

§ 95.2905 PLB registration.

Each PLB owner must initially register their PLB with National Oceanic and Atmospheric Administration (NOAA) and must advise NOAA of any subsequent change of ownership or other change in the registration information. Each PLB is registered by its identification code (*see* §95.2987(b)).

(a) PLB owners are encouraged to register their PLBs through the internet using the following Web site: *http://www.beaconregistration.noaa.gov*

(b) PLB owners may also register their PLBs by mailing a completed registration card to the following address: NOAA SARSAT Beacon Registration, NSOF, E/SPO53, 1315 East West Hwy., Silver Spring, MD 20910–9684.