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Attestation Statement

This type acceptance is for production quantities of an amateur radio service linear amplifier. Ameriton of Starkville, MS, a division of MFJ Enterprises, Inc., will be the manufacturer. Maximum power permitted by FCC rules is 1500 watts PEP on all modes licensed for the Amateur Radio service under part 97. This amplifier has a 1200-watt rated output amplifier.

This amplifier has been tested to meet or exceed all requirements of CFR 47 part 97.317:

§ 97.317 Standards for certification of external RF power amplifiers.

(a) To receive a grant of certification, the amplifier must:

(1) Satisfy the spurious emission standards of §97.307 (d) or (e) of this part, as applicable, when the amplifier is operated at the lesser of 1.5 kW PEP or its full output power and when the amplifier is placed in the “standby” or “off” positions while connected to the transmitter.

(2) Not be capable of amplifying the input RF power (driving signal) by more than 15 dB gain. Gain is defined as the ratio of the input RF power to the output RF power of the amplifier where both power measurements are expressed in peak envelope power or mean power.

(3) Exhibit no amplification (0 dB gain) between 26 MHz and 28 MHz.

(b) Certification shall be denied when:

(1) The Commission determines the amplifier can be used in services other than the Amateur Radio Service, or

(2) The amplifier can be easily modified to operate on frequencies between 26 MHz and 28 MHz.

[71 FR 66465, Nov. 15, 2006]

This amplifier is inoperable above 22 MHz, so it must comply with the following sections of 97.307(d). This amplifier has a rated power output of 1200 watts. It easily exceeds spurious and harmonic emission suppression requirements outlined below at full rated output of 1200 watts and any power level below full rated output.

§ 97.307 Emission standards.

(d) For transmitters installed after January 1, 2003, the mean power of any spurious emission from a station transmitter or external **RF power amplifier transmitting on a frequency below 30 MHz** must be at least **43 dB below the mean power of the fundamental emission**. For transmitters installed on or before January 1, 2003, the mean power of any spurious emission from a station transmitter or external RF power amplifier transmitting on a frequency below 30 MHz must not exceed 50 mW and must be at least 40 dB below the mean power of the fundamental emission. For a transmitter of mean power less than 5 W installed on or before January 1, 2003, the attenuation must be at least 30 dB. A transmitter built before April 15, 1977, or first marketed before January 1, 1978, is exempt from this requirement.

[54 FR 25857, June 20, 1989; 54 FR 30823, July 24, 1989, as amended at 54 FR 39537, Sept. 27, 1989; 60 FR 15688, Mar. 27, 1995; 65 FR 6550, Feb. 10, 2000; 69 FR 24997, May 5, 2004]

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