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FCC ID DDE7EPTX-AM5E

APPLICANT INFORMATION

FCC Certification Data For:

Broadcast Electronics Model AM-5E AM Stereo Transmitter

Prepared and Submitted By:

Date: 11-2-99

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Exhibit 1 FCC Identifier

2.925 IDENTIFICATION OF EQUIPMENT.

(a) Each equipment covered in an application for equipment authorization shall bear a nameplate or label listing the following:

(1) FCC Identifier consisting of the two elements in the exact order specified in § 2.926. The FCC Identifier shall be preceded by the term "FCC ID" in capital letters on a single line, and shall be of a type size large enough to be legible without the aid of magnification.

EXAMPLE: FCC ID XXX123, XXX-Grantee Code 123-Equipment Product Code

(2) Any other statements or labeling requirements imposed by the rules governing the operation of the specific class of equipment, except that such statement(s) of compliance may appear on a separate label at the option of the applicant/grantee.

(3) Equipment subject only to registration will be identified pursuant to Part 68 of this chapter.

2.926 FCC IDENTIFIER.

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Below is a picture of the FCC ID label to be riveted to the AM-5E Transmitter.



Exhibit 2 Measurement Procedure

2.947 MEASUREMENT PROCEDURE.

(a) The Commission will accept data which have been measured in accordance with the following standards or measurement procedures: (Added 77-583, 10/11/77)

(1) Those set forth in bulletins or reports prepared by the Commission's Office of Engineering and Technology. These will be issued as required, and specified in the particular part of the rules where applicable. (Revised 85-670, 4/14/86)

(2) Those acceptable to the Commission and published by national engineering societies such as the Electronic Industries Association, the Institute of Electrical and Electronic Engineers, Inc., and the American National Standards Institute. (Added 77-583, 10/11/77)

(3) Any measurement procedure acceptable to the Commission may be used to prepare data demonstrating compliance with the requirements of this chapter. (Added 77-583, 10/11/77)

(b) Information submitted pursuant to paragraph (a) of this section shall completely identify the specific standard or measurement procedure used. (Added 77-583, 10/11/77)

(c) In the case of equipment requiring measurement procedures not specified in the references set forth in paragraph (a)(1) and (2) of this section, the applicant shall submit a detailed description of the measurement procedures actually used. (Added 77-583, 10/11/77)

(d) A listing of the test equipment used shall be submitted. (Added 77-583, 10/11/77)

2.1041 MEASUREMENT PROCEDURE.

For equipment operating under parts 15 and 18, the measurement procedures are specified in the rules governing the particular device for which certification is requested. For equipment operating in the authorized radio services, measurements are required as specified in §§ 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057. See also § 2.947.

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The test procedures used for each set of measurements is attached to the exhibit containing the measured data. The test equipment and description is listed under Exhibit 7.

Exhibit 3 Application for Certification

2.1033 APPLICATION FOR CERTIFICATION.

(a) An application for certification shall be filed on FCC Form 731 with all questions answered. Items that do not apply shall be so noted.

Read and Understood

2.1033 (b) (1) The full name and mailing address of the manufacturer of the device and the applicant for certification.

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2.1033 (b) (2) FCC Identifier.

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Exhibit 4 Instruction Book

2.1033 (b)

(3) A copy of the installation and operating instructions to be furnished the user. A draft copy of the instructions may be submitted if the actual document is not available. The actual document shall be furnished to the FCC when it becomes available.

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A copy of the Instruction Book has been sent to the FCC for their review. See Part 1, Section 2 (Installation) of the Instruction Book for the installation instruction and Part 1, Section 3 (Operation) for the Operation instructions.

(4) A brief description of the circuit functions of the device along with a statement describing how the device operates. This statement should contain a description of the ground system and antenna, if any, used with the device.

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A description of the circuit functions of the AM-5E along with how the circuits function can be found in Part 1, Section 4 (Theory of Operation) of the Instruction Book.

(5) A block diagram showing the frequency of all oscillators in the device. The signal path and frequency shall be indicated at each block. The tuning range(s) and intermediate frequency(ies) shall be indicated at each block. A schematic diagram also is required for intentional radiators.

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The overall block diagram for the AM.5E is shown on Figure 4-1 found in Part 1, Section 4 of the Instruction Book. All block diagrams of the subassemblies in the AM-5E are found in Part 2 as listed below.

Assembly
Power Supply
Modulator

Sub Section
Power Supply Assembly
RF Power Module

Figure
Figure 1-1
Figure 1-1

RF Amplifier	RF Power Module	Figure 1-2
Controller	Exciter/Controller Unit	Figure 1-1
Exciter	Exciter/Controller Unit	Figure 1-2
Stereo	Exciter/Controller Unit	Figure 1-3

Exhibit 5 Report

2.1033 (b) (6) A report of measurements showing compliance with the pertinent FCC technical requirements. This report shall identify the test procedure used (e.g., specify indicate the FCC test procedure, or industry test procedure that was used), used or, if an alternate test procedure was used, a description of the test procedure and the reason it was necessary to use an alternate procedure), the date the measurements were made, the location where the measurements were made, and the device that was tested (model and serial number, if available). The report It shall also include a sample calculations showing how the obtained measurements results were converted for comparison with the technical requirements. to the levels specified in the applicable rule sections.

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A report for all pertinent FCC requirements are part of Exhibits 9 - 16.