Approved by OMB
3060-0433

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

BASIC SIGNAL LEAKAGE PERFORMANCE REPORT
FCC FORM 320

Public reporting burden for this collection of information is estimated to average 20 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0433), Washington, DC 20554. We will also accept your comments via the Internet if you send them to jboley@fcc.gov. Please do not send completed application forms to this address.

SECTION I -- GENERAL INFORMATION

(1) Cable System Owner: _____
Phone Number: (____)_____
Address: _____
_____ _____ _____-____
(City) (State) (ZIP)

(2) Community Served : _____

(3) Community Unit No.: _____ (4) Physical System Id: _____

SECTION II -- LOCAL SYSTEM INFORMATION

(1) Person(s) Responsible for report:
Name: _____ _____ ___
(Last) (First) (M)
Phone Number: (____)_____
Address: _____
_____ _____ _____-____
(City) (State) (ZIP)

(2) Are aeronautical frequencies (i.e., 108-137 or 225-400 MHz) used by this cable television system? Yes ____ No ____

(a) If No, complete Section IV below and return to FCC.

(b) If Yes, attach as Exhibit A all precisely offsetted aeronautical frequencies used by this Community Unit.

(3) TEST RESULTS: CLI: 10LogIoo: _____.____; 10LogI3000: _____.____
Airspace: Passed: ☐ Failed: ☐

SECTION III -- LEAKAGE PERFORMANCE CRITERIA

For operators conducting measurements on geographical areas that contain more than one Community Unit, (e.g., headends that serve more than one community unit) fill in the measurement information below. NOTE: The submission of the accompanying exhibits, either B or C, may be incorporated by reference to another Community Unit filing that had undergone the same measurement tests as this Community Unit. That Community Unit must be identified by its Community Unit Code Number in response to Question (2) or (4) below.

(1) GROUND-BASED MEASUREMENTS: (if used)

(a) Person(s) Responsible for test:
Name: _____ _____ ___
(Last) (First) (M)
Phone Number: (____)_____

(b) Miles of plant tested & % of total plant tested: _____m;_____.__%

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SECTION III -- LEAKAGE PERFORMANCE CRITERIA

(Continued)

(c) Time period of test: From: ___/___/___ (MM DD YR) TO: ___/___/___ (MM DD YR)

(d) Equipment Used: _____ (Make) _____ (Model) _____.____ (Test Frequency) (MHz)

(e) Attach as Exhibit B, the CLI calculation & result including all parameters used. (Identify in this Exhibit all leaks ≥ 50 uV/m, and show their repaired dates, if any.)

(2) If Exhibit B is incorporated by reference, provide the Community Unit No. _____ of the Form 320 with which Exhibit B was filed.

(3) AIRSPACE MEASUREMENTS: (if used)

(a) Person/Company Responsible for test:

Name: _____
(Last, First, M, or Company Name)

Phone Number: (____)_____

(b) Dates of Test-From: ___/___/___ (MM DD YR) To: ___/___/___ (MM DD YR)

Test Freq.: _____.____ (MHz)

(c) Attach as Exhibit C, a full description of the test procedure, a list of the equipment used for the airspace measurements and a detailed description of the area covered by these airspace measurements. (Set forth in this Exhibit all leaks detected during these airspace measurements that were subsequently repaired and their repair dates, if any.)

(d) Recorded data and its analysis:

(i) If analog recordings, include in Exhibit C, a graph of the results and indicate the value of the smoothed out peak values _____ uV/m.

(ii) If digitized recordings, include in Exhibit C, a plot of the results and indicate % of points recorded digitally below 10 uV/m: _____.____%

(4) If Exhibit C is incorporated by reference, provide the Comunity Unit No. _____ of the Form 320 with which Exhibit C was filed.

SECTION IV -- CERTIFICATION

By signing below, the operator certifies that in the case of an individual operator, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21, U.S.C. 862, or in the case of a non-individual operator (e.g. corporation, partnership, or other unincorporated association), no party to the operator is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 CFR, Section 1.2002(b).

I certify that I am _____ (Official Title), of _____ (Legal Name of Cable System Owner), that I have examined this Report and that, to the best of my knowledge and belief, all statements in the Report are true, correct and complete, and are made in good faith.

_____ (Signature) _____, (Date)

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18,§1001) AND/OR REVOCATION OF ANY STATION LICENSE (U.S. CODE, TITLE 47, §312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

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BASIC SIGNAL LEAKAGE PERFORMANCE REPORT

INSTRUCTIONS

At least once each calendar year, each cable television system utilizing aeronautical frequencies must conduct measurements of its signal leakage. A performance report (FCC 320), which demonstrates the results of its tests, must be filed each calendar year in accordance with 47 C F.R. Section 76.615. Completed forms should be returned to the FEDERAL COMMUNICATIONS COMMISSION, CABLE SERVICES BUREAU, WASHINGTON D C 20554.

Section I - General Information

The information in this Section is preprinted based on the most current data on file with the Commission. The information should be reviewed and revised, if not accurate and complete.

Section I I - Local System Information

1. Provide the name, address and telephone number of the person(s) at the local system by whom or under whose direction the report was prepared.

2. Where the reporting cable television system does not utilize the aeronautical frequency bands (i.e., 108-137 or 225-400 MHz), the system owner should so indicate in response to Question 2 of Section II, complete Section IV, and return this form to the Commission.

3. Include as an attachment and identify as **Exhibit A**, a list of all the precisely offsetted aeronautical frequencies used by this community unit.

4. Test Results - Show compliance with one of the following basic signal leakage criteria:

   a) For ground-based measurements, the determination of 10Log Ioo and 10Log I3000 shall be based upon methods, parameters and formulae as prescribed in 47 C.F.R. Section 76.611(a)(1). Provide the results here.
   Note: If 10Log Ioo is equal to or less than 64 or if 10Log I3000 is equal to or less than -7, the system has passed the signal leakage test.

   b) If airspace measurements are used, use calibration methods, parameters and techniques as prescribed in 47 C.F.R. Section 76.611(a)(2) Indicate whether the system passed or failed the signal leakage test.

Section I I I - Leakage Performance Criteria

For operators electing to conduct measurements on geographical areas that contain more than one community unit, fill in the requested measurement information on this form. However, the submission of the accompanying exhibits, either B or C, may be incorporated by reference to the filing of another community unit that had undergone the same measurement tests as this community unit, that community unit is identified by its community unit code number in response to Question (2) or (4) of Section III.

1. **Ground-Based Measurements** (if used)

   a) Provide the name and telephone number of person(s), who is responsible for conducting the ground-based measurements.

   b) Indicate the number of miles of cable plant tested for signal leakage and calculate the percentage of overall cable plant that was tested for signal leakage.
   Note: A minimum of 75% of cable plant, which includes oldest portion of the system, must be sampled for this test.

   c) Show the time period of the test, including the actual starting and ending dates.

   d) Provide the name and make of the leakage measurement equipment used and the test frequency used. As an alternative, provide information as to the sensitivity and accuracy of the leakage measurement equipment and the test frequency used.
   Note: The equipment used must be capable of measuring leaks of 20 uV/m @ 3 m or its equivalent, and the test frequency must be within the VHF aeronautical band 108-137 MHz or a frequency in which the results can be correlated to that band. Additionally, the test signal used shall have an average power equal to the average power level of the strongest carrier on the system.

e) Attach as Exhibit B, the actual calculations performed in accordance with 47 C.F.R. Section 76.611(a)(1) for the entire geographical area tested. identify in this Exhibit all leaks 50 uV/m or greater that were detected during the test and include their repair dates, if any. The geographical area tested may include more than one community unit. Use the same information and results for each community unit.

2. **Airspace Measurements** (if used)

a) Provide the name and telephone number of person/ company performing the airspace measurements.

b) Indicate the date(s) that the airspace tests were performed and the test frequency used during these airspace measurements.

c) Attach as **Exhibit** C, a full description of the airspace measurement procedure, a list of the equipment used and a detailed description of the geographical area covered by these airspace measurements. Additionally, include the graph or chart of the data points collected and the associated technical analysis for these measurements. Use the same results for each community unit included in this test. For all leaks detected during the airspace measurements that were subsequently repaired, specify the date of repair.

d) Recorded data and its analysis.

(i) If analog recordings are used, include a graph of the curves and the result (in uV/m) of the analysis of the peak values of these curves when smoothed out, in accordance with good engineering practices.
Note: This smoothed curve must be below 10 uV/m.

(ii) If digitized data is used, indicate the percentage of these digitized points below 10 uV/m.
Note: 90% of data points must be below 10 uV/m.

Section I V - Certification

This report must be certified by the individual owning the reporting cable system, if individually owned; by a partner, if a partnership; by an officer of the corporation, if a corporation; or by a member who is an officer, if an unincorporated association. It may also be signed by the cable system owner's attorney in case of the owner's physical disability or absence from the United States. The attorney shall, in that event, separately set forth the reasons why the report was not signed by the owner. In addition, if any matter is stated on the basis of the attorney's belief only (rather than personal knowledge), the attorney shall separately set forth the reasons for believing that such statements are true.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information required in this Report is authorized by the Communications Act of 1934, as amended. The Commission will use this information to determine eligibility to use the aeronautical frequency spectrum in the provision of Cable Television Service. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in the form to another government agency. In addition, all information provided on this form is available for public inspection. If information requested on this form is not provided, processing of the Report may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested benefit. Respondents are not required to respond to this collection of information unless it displays a currently valid OMB control number. This collection has been assigned an OMB control number of 3060-0433.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 95-579, DECEMBER 31, 1974, 5 U.S.C. 552(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, MAY 22, 1995, 47 U.S.C. 3507.