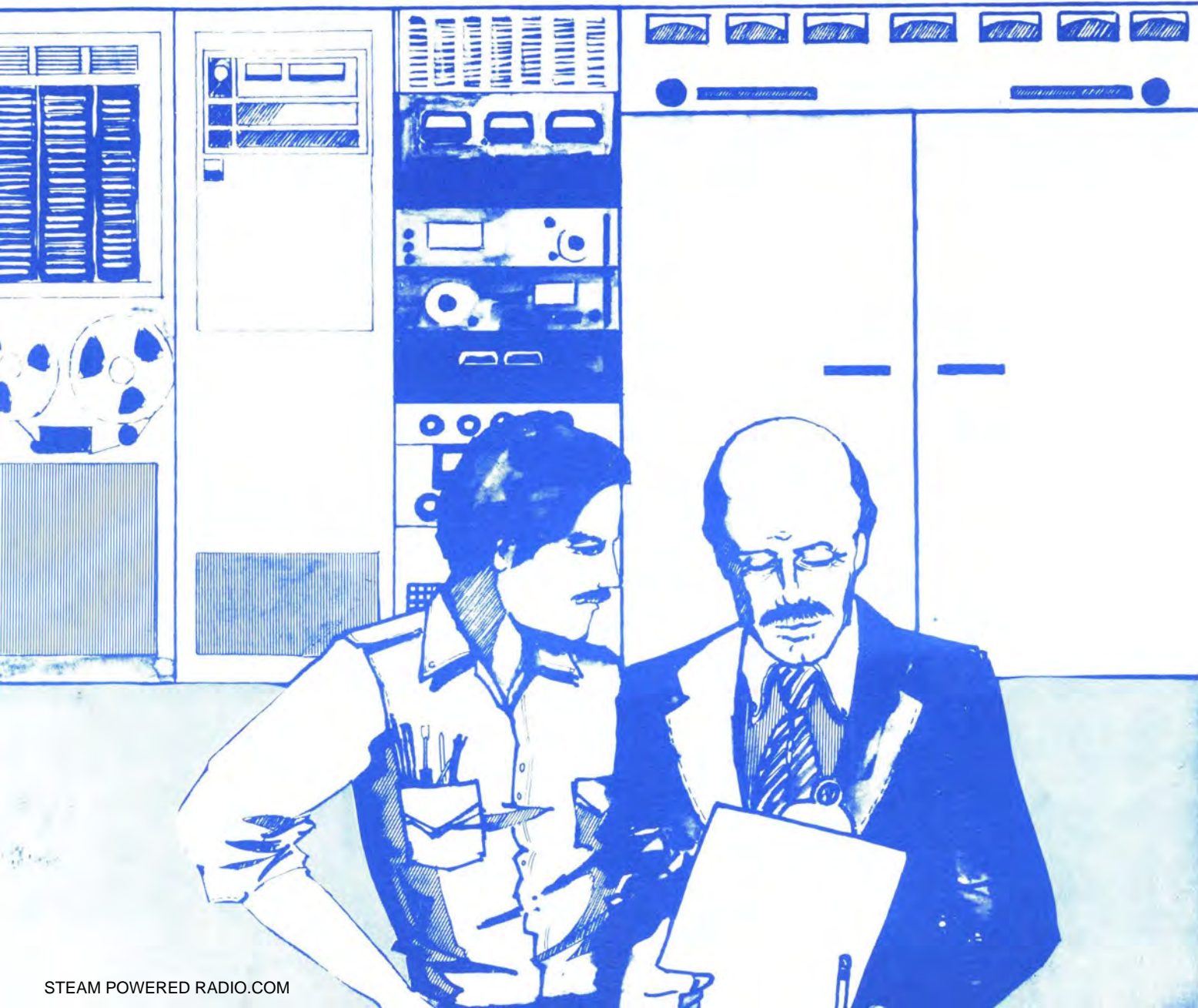


# FCC INSPECTION

## of AM, FM, & TV Broadcast Stations



Engineering Department  
National Association of Broadcasters  
1771 N Street, N.W. Washington, D. C.  
20036



Additional copies of **FCC Inspection of AM, FM & TV Broadcast Stations**, are available for \$2.00 to NAB members and \$6.00 to nonmembers. Please send your request and payment to Publications Manager, NAB, 1771 N Street NW, Washington, DC 20036.

Reprinted April 1980  
National Association of Broadcasters



**Note:** This booklet is reprinted from Chapter 3A of the National Association of Broadcasters **Engineering Handbook - Sixth Edition**.

# 3A

## FCC Inspection of AM, FM and TV Broadcast Stations

### INTRODUCTION

One of the first lessons learned by a person entering the broadcasting profession is that it is regulated by the Federal Communications Commission. The lesson is an important one because that fact accounts for a considerable amount of effort and concern by broadcasting personnel, especially those responsible for the station's technical operation.

Complying with the myriad of FCC technical regulations is not an easy job. Not only are there many regulations, but they are difficult to find, difficult to interpret and many of them are continually updated. Some network-owned and group-owned stations employ people full time just to assist the associated stations with FCC rule compliance. It is no wonder that the smaller radio and television stations may be caught violating a rule that they didn't know existed.

The NAB has for years assisted member stations with rule compliance with various booklets, sessions at the annual convention and with direct assistance on the phone. This chapter is a further example of that service.

In reviewing previous publications it was found that additional information might be helpful regarding how the FCC conducts inspections, processes violations and how they handle fines. These subjects have been included in this latest article. Reproductions of the actual forms used by the FCC are also included. Suggestions on preparing for, going through, and responding to an inspection are also made. What happens to the violations notice within the FCC is described as well as what qualifies for a fine and how the FCC staff views the broadcasters responses.

In the past both the FCC and NAB have published checklists and lists of frequently violated rules. In this publication, we have included AM, FM, and TV inspection checklists but rearranged them so that the most frequently violated rules are listed first. Thus, if the checklist is used from the beginning the broadcaster will be first reminded of those rules that history has shown to be the most troublesome.



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## Why an FCC Inspection?

Any radio (or television) transmitter is capable of interfering with other radio services. The original purpose of radio regulation was to assign frequencies and other technical characteristics in order to prevent interference. The inspection is a form of follow-through to determine if the transmitting equipment is operating at the specified parameters and to determine if other FCC requirements, such as recordkeeping are being followed.

Although the inspection has been broadened to include the public file, the program log and other items, it still is primarily directed toward the technical operation.

## Monitoring

Throughout the United States there are special FCC monitoring stations which are equipped to receive radio signals and make evaluations and measurements. Also most FCC field offices have some equipment for monitoring and measurements. Lately the Commission has deployed more of the mobile vans for monitoring and measurement. For TV and FM, there are special vans equipped especially for observing VHF, UHF and microwave signals. These vans are usually assigned to move about a certain region of the country making the measurements. Often the stations involved will not know of the monitoring until a few weeks later when the violation notices are received in the mail.

Typically these trucks will measure frequency and modulation of the main and subcarriers, and for television measure the synchronizing waveform to check conformity with the rules.

## FCC Organization and Procedure

Inspections, monitoring and other forms of enforcement are done by the Field Operations Bureau of the FCC. The FOB performs this service for all the bureaus of the FCC not just broadcasting. An inspector for instance, must be able to inspect broadcast, common carrier, microwave, citizens band, two-way radio for police and fire departments, amateur and all other services regulated by the FCC.

Inspections and monitoring are not only carried out on a routine basis, but also for specific reasons. An interference complaint might justify a special inspection or an upcoming license renewal might inspire another.

Figures 1-7 are reproductions of some of the forms used by the FCC as part of the inspection process. Form 794, Figure 1, is used to summarize and/or guide the inspection of an AM, FM or noncommercial FM radio station. Form 794-A, Figure 2 is used similarly for television. These forms can be used as a guide for determining if a station is prepared for an inspection. However, the checklist, printed in this chapter is designed especially for that purpose.

When a station is monitored by one of the field trucks a variety of observations and measurements can be made. Typically these tests are summarized on form 794-B for television (fig. 3), and form 794-C for FM (fig. 4).

Figure 7 is a reproduction of the form 790 the Advisory Notice and Figure 5 shows the Notice of Violation. Form 789, fig. 6, is used to inquire about previous notices. A station or operator is notified of a unsatisfactory condition or violation of Rule, Communication's Act or instrument of authorization on one of these forms.



Form FO-794  
August 1976

FEDERAL COMMUNICATIONS COMMISSION  
Field Operations Bureau

**BROADCAST STATION INSPECTION REPORT**

CALL \_\_\_\_\_ ( ) AM ( ) FM ( ) EFM INSPECTION: ( ) Initial ( ) Renewal ( ) Special

Licensee Name: \_\_\_\_\_ Frequency \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Main Studio Location \_\_\_\_\_

Transmitter Location \_\_\_\_\_

Authorized Power(s) and Antenna Systems

Daytime \_\_\_\_\_ W ( ) ND ( ) DA Nighttime \_\_\_\_\_ W ( ) ND ( ) DA

PreSunrise \_\_\_\_\_ W ( ) ND ( ) DA Critical Hours \_\_\_\_\_ W ( ) ND ( ) DA

Auxiliary Daytime \_\_\_\_\_ W Nighttime \_\_\_\_\_ W

Alternate Main Trans.: Daytime \_\_\_\_\_ W Nighttime \_\_\_\_\_ W

Remote Control Used: Daytime ( ) Nighttime ( ) PSA ( ) Critical Hours ( )

Name	( ) Contract ( ) Full Time	License Number - Endorsement	Expiration Date
Chief: _____			
On Duty: _____			
Others: _____			
_____			
_____			
_____			
_____			

Licensee employee with whom inspection was conducted: \_\_\_\_\_

**INSPECTION SUMMARY**

✓ - SATISFACTORY      RI - REPEATED - LAST INSPECTION  
 - - NOT INSPECTED      RR- REPEATED - THIS INSPECTION  
 NA - NOT APPLICABLE      # - SEE NOTES

TRANSMITTER	CONTROL POINT	ANTENNA SYSTEM	
power .....	MONITORS REMOTE EXT	lighting .....	
efficiency .....		modulation .....	painting .....
meters .....		antenna .....	base fence .....
frequency .....		operator view .....	grnd. system .....
modulation .....		sca/stereo .....	
harmonic/spur .....		remote meters .....	
		tx control .....	<b>RECORDS, TECH.</b>
		tx adjust .....	operating .....
		operator view .....	maintenance .....
		extension meters .....	impedance meas .....
<b>DIRECTIONAL SYSTEM</b>	path to tx .....	E.P.M. ....	
base ratios .....	operator view .....	SCA .....	
loop ratios .....	opr. instructions .....		
phase readings .....	meter calibration .....	<b>RECORDS, ADMIN.</b>	
field meter .....		station auth .....	
mon. pts. value .....	<b>EANS/EBS</b>	operator auth. ....	
mon. pts. loc .....	mon. rec'r. ....	ch/opr. contract .....	
	test trans .....	public insp. file.....	
<b>STUDIO EQUIP.</b>	loan equip .....	program .....	
wiring .....	check list .....		
opr. safety .....			

Forms served: ..... Inspected by: ..... Reviewed: .....  
 SUPERVISORY ENGINEER

Adjective  
 Rating: ..... Inspection date: ..... Field Office .....





Form FO-794-A  
February 1975

FEDERAL COMMUNICATIONS COMMISSION  
FIELD OPERATIONS BUREAU  
Enforcement Division  
TELEVISION STATION INSPECTION REPORT

Channel \_\_\_\_\_ Call \_\_\_\_\_ City \_\_\_\_\_ Inspection Class  
Licensee name \_\_\_\_\_ ( ) I ( ) R ( ) S  
Mailing Address \_\_\_\_\_  
Main Studio location \_\_\_\_\_  
Transmitter location \_\_\_\_\_

License Data		AUXILIARY TRANSMITTER	
MAIN TRANSMITTER			
Make _____	Type _____	Make _____	Type _____
Visual (ERP) _____	Aural (ERP) _____	Visual (ERP) _____	Aural (ERP) _____
Visual (Peak) _____	Aural (TPO) _____	Visual (Peak) _____	Aural (TPO) _____
Visual (Avg) _____		Visual (Avg) _____	
Antenna lighting/painting: Paragraphs _____, FCC Form 715			
OPERATORS	NAME	LICENSE NUMBER	EXPIRATION DATE
Chief _____			
On Duty _____			
Others _____			
Inspection conducted with _____		Position _____	
MONITORS			
Modulation (Aural) Make _____	Type _____	Meter _____	Flasher _____
Frequency Make _____	Type _____	Visual _____	Aural _____
Waveform (⊗ xmtr) Make _____	Type _____	Blanking _____	Setup _____ White _____
Waveform (⊗ CP) Make _____	Type _____	Blanking _____	Setup _____ White _____
Demodulator (⊗ xmtr) Make _____	Type _____	VITS Generator: Make _____	
Demodulator (⊗ CP) Make _____	Type _____	Type _____	
INSPECTION SUMMARY			
Y - satisfactory	RI - repeated-last inspection	NI - not inspected	
# - see notes	RR- repeated-this inspection	NA - not applicable	
TRANSMITTER	CONTROL POINT	ANTENNA SYSTEMS	
power .....	visual mod .....	lighting .....	
indicating instruments .....	aural mod .....	painting .....	
frequency .....	.....	RECORDS, TECH	
modulation .....	meters check .....	operating .....	
dummy load .....	tx control .....	maintenance .....	
transmission line .....	tx adjust .....	microwave .....	
harmonic filter .....	equipment security .....	E.P.M. ....	
VSBF .....	VITS in use .....	six month power calib. ..	
multi diplexer .....	waveform monitor cal ..	RECORD, ADMIN	
STUDIO EQUIP.	EANS/EBS	station/opr. auth. ....	
wiring .....	monitor receiver .....	microwave auth. ....	
opr. safety .....	test trans. ....	re-b/c auth. ....	
opr. welfare .....	loan equip. ....	hours of operation .....	
.....	.....	public inspection file .....	

Forms served: \_\_\_\_\_ Inspected by: \_\_\_\_\_ Reviewed: \_\_\_\_\_  
Supervisory Engineer  
Assisted by: \_\_\_\_\_  
Adjective Rating: \_\_\_\_\_ Inspection date: \_\_\_\_\_ Station Loc. Dist. \_\_\_\_\_

(over)

## TELEVISION STATION INSPECTION REPORT OPERATING DATA

CHANNEL \_\_\_\_\_ CALL \_\_\_\_\_ CITY \_\_\_\_\_ REMOTE CONTROL ( ) \_\_\_\_\_  
 Freq. Meas: date \_\_\_\_\_ Visual \_\_\_\_\_ Aural \_\_\_\_\_  
 previous date \_\_\_\_\_ Visual \_\_\_\_\_ Aural \_\_\_\_\_  
 Quarterly tower light inspection: Date \_\_\_\_\_ Previous date \_\_\_\_\_  
 Semi-Annual power calibration: Date \_\_\_\_\_ Previous date \_\_\_\_\_  
 Most recent EPM: Date \_\_\_\_\_ By \_\_\_\_\_  
 Program logs checked back to: \_\_\_\_\_  
 Operating logs checked back to: \_\_\_\_\_  
 Maintenance logs checked back to: \_\_\_\_\_

### METER READINGS

	Visual-xmtr	Visual-remote	% deviation
Main transmitter			
final-hi voltage	_____	_____	_____
final-current	_____	_____	_____
power output	_____	_____	_____
	Aural-xmtr	Aural-remote	% deviation
final-hi voltage	_____	_____	_____
final-current	_____	_____	_____
power output	_____	_____	_____
Auxiliary transmitter	Visual-xmtr	Visual-remote	% deviation
final-hi voltage	_____	_____	_____
final-current	_____	_____	_____
power output	_____	_____	_____
	Aural-xmtr	Aural-remote	% deviation
final-hi voltage	_____	_____	_____
final-current	_____	_____	_____
power output	_____	_____	_____

### PROGRAM

Network \_\_\_\_\_ Fed to studio by \_\_\_\_\_ to transmitter by \_\_\_\_\_  
 Off the air reception? \_\_\_\_\_ from \_\_\_\_\_

### MICROWAVE STL/TSL

Call letters: \_\_\_\_\_ equipment: \_\_\_\_\_  
 Unattended or remote control operation? \_\_\_\_\_

REMARKS: \_\_\_\_\_

FEDERAL COMMUNICATIONS COMMISSION  
FIELD OPERATIONS BUREAU

TELEVISION SIGNAL ANALYSIS REPORT

CALL \_\_\_\_\_ CHANNEL \_\_\_\_\_ LOCATION \_\_\_\_\_  
 MONITORED ON \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 BY \_\_\_\_\_

VISUAL CARRIER \_\_\_\_\_ Hz at \_\_\_\_\_  
 HORIZONTAL SCAN RATE \_\_\_\_\_ kHz at \_\_\_\_\_  
 VERTICAL SCAN RATE \_\_\_\_\_ Hz at \_\_\_\_\_

COLOR SUBCARRIER FREQUENCY \_\_\_\_\_ MHz at \_\_\_\_\_  
 CARRIER SEPARATION \_\_\_\_\_ Hz at \_\_\_\_\_

BLANKING LEVEL (72.5-77.5)% \_\_\_\_\_  
 WHITE LEVEL (10-15)% \_\_\_\_\_  
 SETUP INTERVAL (5-10) IRE Units \_\_\_\_\_  
 HORIZONTAL SYNC PULSE WIDTH (4.4-5.1) us. \_\_\_\_\_  
 FRONT PORCH DURATION (minimum 1.3) us. \_\_\_\_\_  
 SYNC TO END-OF-BURST DURATION (maximum 7.9) us. \_\_\_\_\_  
 SYNC TO START OF VIDEO DURATION (9.2 min)us. \_\_\_\_\_  
 TOTAL HORIZONTAL BLANKING INTERVAL (11.5 max)us. \_\_\_\_\_  
 COLOR BURST LENGTH (8-11) cycles \_\_\_\_\_  
 COLOR BURST AMPLITUDE (90-110) % of sync \_\_\_\_\_  
 BREEZEWAY DURATION (minimum 0.4) us. \_\_\_\_\_  
 PULSE RISE TIME (maximum 0.3) us. \_\_\_\_\_  
 EQUALIZING PULSE WIDTH (nominal 2.5 us.-  
 45-50% of H sync) us. \_\_\_\_\_  
 SERRATION WIDTH (3.8-5.1) us. \_\_\_\_\_  
 SPIKING/OVERSHOOT/TILT \_\_\_\_\_  
 BLANKING/SYNC TIP VARIATION (MAXIMUM 5) % \_\_\_\_\_  
 VERTICAL BLANKING INTERVAL (18-21) LINES \_\_\_\_\_

(over)



VERTICAL INTERVAL TEST SIGNALS

Field 1	Line	Field 2
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Origin \_\_\_\_\_

Discrepancies \_\_\_\_\_

\_\_\_\_\_

AURAL MODULATION MEASUREMENT

SPURIOUS AURAL BASEBAND SIGNALS

_____ % at _____	_____ kHz _____ % at _____
_____	_____
_____	_____
_____	_____
_____	_____

AURAL SUBCARRIER

\_\_\_\_\_ kHz \_\_\_\_\_ % \_\_\_\_\_ kHz modulation \_\_\_\_\_ content at \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SPURIOUS RF SIGNALS \_\_\_\_\_

OCCUPIED BANDWIDTH \_\_\_\_\_ MHz LSB COLOR SUBCARRIER SUPPRESSION \_\_\_\_\_ dB

VISUAL SIGNAL QUALITY \_\_\_\_\_ AURAL SIGNAL QUALITY \_\_\_\_\_

STATION IDENTIFICATION

Required times \_\_\_\_\_ Format \_\_\_\_\_ Simultaneous \_\_\_\_\_

Dual-city identification \_\_\_\_\_

Discrepancies \_\_\_\_\_

REMARKS \_\_\_\_\_

\_\_\_\_\_

FEDERAL COMMUNICATIONS COMMISSION  
Field Operations Bureau  
Enforcement Division

FM BROADCAST SIGNAL ANALYSIS REPORT

CALL \_\_\_\_\_ FREQUENCY \_\_\_\_\_ LOCATION \_\_\_\_\_  
MONITORED ON \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
BY \_\_\_\_\_

MODULATION MEASUREMENT  
\_\_\_\_\_ % at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CARRIER FREQUENCY  
\_\_\_\_\_ Hz at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STEREOPHONIC PILOT SUBCARRIER  
\_\_\_\_\_ kHz \_\_\_\_\_ % at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RESIDUAL STEREO SUBCARRIER  
\_\_\_\_\_ % at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SCA SUBCARRIER  
\_\_\_\_\_ kHz \_\_\_\_\_ % \_\_\_\_\_ kHz modulation at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SCA Program Material \_\_\_\_\_

SPURIOUS BASEBAND SIGNALS  
\_\_\_\_\_ kHz \_\_\_\_\_ % at \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATION IDENTIFICATION Required times \_\_\_\_\_ Format \_\_\_\_\_  
Dual-city ID \_\_\_\_\_  
Simultaneous AM-FM \_\_\_\_\_  
Discrepancies \_\_\_\_\_

AUDIO QUALITY \_\_\_\_\_

SPURIOUS SIGNALS \_\_\_\_\_

REMARKS \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## STEREOPHONIC PERFORMANCE MEASUREMENTS

### LEFT CHANNEL ONLY

\_\_\_\_\_ Hz \_\_\_\_\_ dB(M) \_\_\_\_\_ dB(S)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### RIGHT CHANNEL ONLY

\_\_\_\_\_ Hz \_\_\_\_\_ dB(M) \_\_\_\_\_ dB(S) \_\_\_\_\_ %  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### MAIN CHANNEL/STEREO SUBCHANNEL CROSSTALK (LEFT PLUS RIGHT)

\_\_\_\_\_ Hz \_\_\_\_\_ dB(M) \_\_\_\_\_ dB(S) Diff. \_\_\_\_\_ dB - 6 dB = \_\_\_\_\_ dB crosstalk  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### STEREO SUBCHANNEL/MAIN CHANNEL CROSSTALK (LEFT MINUS RIGHT)

\_\_\_\_\_ Hz \_\_\_\_\_ dB(S) \_\_\_\_\_ dB(M) Diff. \_\_\_\_\_ dB + 6 dB = \_\_\_\_\_ dB crosstalk  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### STEREO SUBCARRIER/PILOT SUBCARRIER PHASE RELATIONSHIPS

\_\_\_\_\_ Hz \_\_\_\_\_ °phase difference      \_\_\_\_\_ Hz \_\_\_\_\_ °phase difference  
 \_\_\_\_\_

### SEPARATION EVALUATION - LEFT INTO RIGHT

\_\_\_\_\_ Hz \_\_\_\_\_ (M) \_\_\_\_\_ (S) \_\_\_\_\_ ratio = \_\_\_\_\_ dB separation  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### SEPARATION EVALUATION - RIGHT INTO LEFT

\_\_\_\_\_ Hz \_\_\_\_\_ (M) \_\_\_\_\_ (S) \_\_\_\_\_ ratio = \_\_\_\_\_ dB separation  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### EQUIPMENT CONFIGURATION

Signals introduced at \_\_\_\_\_ through \_\_\_\_\_  
 Studio-transmitter link \_\_\_\_\_  
 Stereo generator \_\_\_\_\_ located \_\_\_\_\_  
 Exciter \_\_\_\_\_ Transmitter \_\_\_\_\_  
 Modulation monitor \_\_\_\_\_

REMARKS \_\_\_\_\_



FCC Form 793  
September 1977

United States of America  
FEDERAL COMMUNICATIONS COMMISSION

OFFICIAL NOTICE OF VIOLATION

1. Name and Address of Licensee

**WRITTEN REPLY  
REQUIRED IN DUPLICATE**

*(See Instructions and Privacy Act Notice on reverse side)*

**WARNING:** Certain rule violations, if repeated or willful, as well as failure to reply to this Notice, may result in the imposition of monetary forfeitures. (See Section 510 of the Communications Act of 1934, as amended.) Any of the rule violations, if repeated or willful, may result in the revocation of the station license or suspension of operator license. (See Sections 312 and 303(m) of the Communications Act of 1934, as amended.)

2. FREQUENCY				
2a. Authorized	2b. Measured	2c. High Low (Hertz)	3. Emission	
4. Location of Station or Name of Craft	5. Radio Service or Class of Station	6. Hour(s) of Violation (EST-GMT)	7. Date(s) of Violation	8. Call Sign

9. VIOLATION(S)      NON-COMPLIANCE WITH FCC RULES

ISSUING OFFICER	SUPERVISOR - LOCATION	DATE MAILED SERVED
-----------------	-----------------------	--------------------

The knowing and willful making of any false statement in reply to this NOTICE is punishable by fine or imprisonment under Title 18, United States Code, Section 1001.

*(The June 1976 edition of this form may still be used.)*

*(See Reverse Side)*

**TO THE LICENSEE:**

The facts set forth herein indicate that you have violated the requirements of law or treaty. This Notice is issued in accordance with Section 1.89 of the Commission's Rules.

1. Within 10 days from receipt of this Notice, a written reply in DUPLICATE shall be addressed to "Federal Communications Commission" and SENT TO THE ADDRESS SHOWN ON THE FACE HEREOF AT THE TOP OF THE PAGE. DO NOT address your reply to an individual.

2. **MAKE CERTAIN THAT YOUR ANSWER:**

- a. Fully explains each violation.
- b. Specifically describes the action taken to correct and to prevent continuation or recurrence of each violation.
- c. Is identified as a reply to this Notice. Include the *call sign* of your station so that your answer may be properly associated with the station file.
- d. Does not refer to a reply to another notice, but is complete in itself.
- e. Is dated and is signed by the licensee or, if appropriate, an officer of the licensee.
- f. Includes all the information requested above in addition to any other information requested in Items 3 and 4, below.

3. **CHANGE OF ADDRESS:**

If the address appearing in Block 1 on the face of this Notice is not your correct address for receipt of mail, include the correct address in your letter of reply to this Notice.

4. If an "X" appears in the box preceding any of the following instructions, comply with the instruction(s) so indicated and submit the information together with the above described letter.

- a. State the name of the person who operated the transmitter at the time of the violation. Does this person hold an operator license or permit issued by the Federal Communications Commission?
- b. A second copy of this notice is enclosed for the operator to answer the following questions thereon. That copy must then be submitted with the letter of reply described in Item 2 above from the person addressed on the face of this notice. **RETAIN THE ORIGINAL OF THIS NOTICE.**

I, the undersigned, was the operator on duty at the time of the violation noted hereon, and hereby acknowledge this NOTICE. I hold FCC-issued Radio Operator (Not Station) License or Permit as follows (if none, so state): \_\_\_\_\_  
Number (If unnumbered, so state): \_\_\_\_\_  
Issuance date: \_\_\_\_\_ Birth date: \_\_\_\_\_  
Name (print): \_\_\_\_\_  
Address: \_\_\_\_\_  
Signature: \_\_\_\_\_

**NOTICE REQUIRED BY THE PRIVACY ACT OF 1974, P.L.  
93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3):**

The staff will use all relevant and material information before it, including the information disclosed in your reply, to determine what, if any, enforcement action is required to ensure current and future Rule compliance.

Willful or repeated Rule violation or failure to reply may result in a monetary forfeiture or license revocation.

GPO 921-843

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

CONTINUATION OF OFFICIAL NOTICE

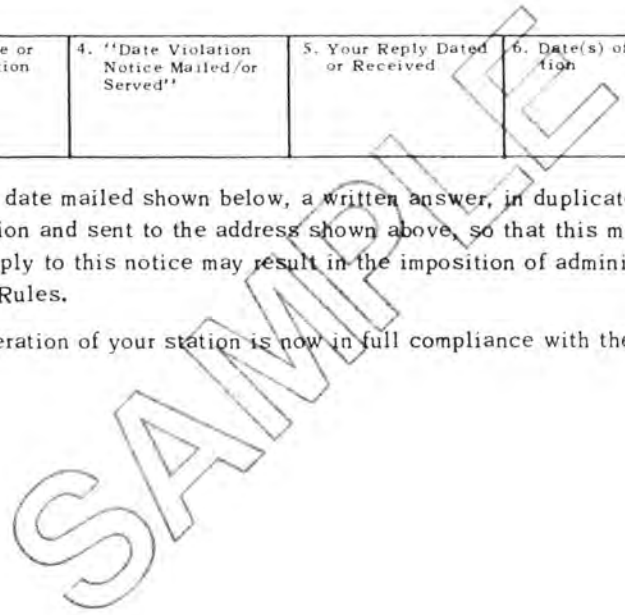
1. Name and Address of Licensee

**WRITTEN REPLY  
REQUIRED IN DUPLICATE**  
*(See Privacy Act Notice on reverse side)*

2. Location of Station or Name of Craft	3. Radio Service or Class of Station	4. "Date Violation Notice Mailed/or Served"	5. Your Reply Dated or Received	6. Date(s) of Violation	7. Call Sign

Within \_\_\_\_\_ days from the date mailed shown below, a written answer, in duplicate, shall be addressed to the Federal Communications Commission and sent to the address shown above, so that this matter may be fully considered at this time. Failure to reply to this notice may result in the imposition of administrative sanctions. See Section 1.89 of the Commission's Rules.

Please confirm that the operation of your station is now in full compliance with the Commission's requirements concerning the following:



\_\_\_\_\_  
*Supervisor - Location*

\_\_\_\_\_  
*Date Mailed/Served*

The knowing and willful making of any false statement in reply to this NOTICE is punishable by fine or imprisonment under Title 18, United States Code, Section 1001.

*(The August 1975 edition of this form may still be used.)*



**NOTICE REQUIRED BY THE PRIVACY ACT OF 1974, P.L.  
93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3):**

The staff will use all relevant and material information before it, including the information disclosed in your reply, to determine what if any enforcement action is required to ensure current and future Rule compliance.

Willful or repeated Rule violation or failure to reply may result in a monetary forfeiture or license revocation.

SAMPLE

FCC Form 790  
September 1975

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

CALL SIGN	
CLASS OF STATION	
LOCATION OF STATION	
DATE & TIME (EST-GMT) OBSERVED	
FREQUENCY	EMISSION

ADVISORY NOTICE

NAME AND ADDRESS OF LICENSEE:

**IMMEDIATE ACTION** should be taken to correct unsatisfactory condition(s) listed below to avoid issuance of an **OFFICIAL NOTICE OF VIOLATION**. No reply is necessary. However, this matter is being made a part of the official records of the Commission.

PARTICULARS:

SAMPLE

Issuing Officer

Supervisory Engineer

Date Mailed

F.C.C. - Washington, D. C.

FCC Form 793-B  
October 1976

FEDERAL COMMUNICATIONS COMMISSION

This is to advise you of the status of a Violation Notice received from the Commission and the status of your response thereto. In accordance with our standard operating procedure, the file on the matter referred to below has been forwarded to the Commission's Violations Division of the Field Operations Bureau, Washington, D. C.

Supervisor

DATE
STATION
OFFICIAL NOTICE OF VIOLATION DATED
YOUR REPLY DATED

SAMPLE

## Processing of Violation Notices

Figure 8 is a chart showing the movement of a violation through the FCC procedure. A Violation Notice may be issued by an inspector, a monitoring station or a field truck. As described in the violation notice, a response must be made within 10 days. (Suggestions for responding are given in another section of this chapter.) Note also that the response must be mailed back to the originating office, do not mail to Washington.

At the originating office the violation and the response are reviewed by the issuing officer and the Engineer in Charge (where applicable) and comments written for internal FCC use. At this point, if the response is satisfactory, the violation file is closed and no further field action is necessary. A copy of the information is retained at the local office and the file is sent to the FOB Violations Division in Washington, D.C.

At the Violations Division, if the violation is minor it is filed in the station's inspection file. If the violation falls within the guidelines established, (including willful and/or repeated) the file is sent to the Broadcast Bureau's Complaints and Compliance Division for appropriate action, which could include forfeiture.

## Guidelines for Fines and Forfeitures

Any broadcast violation which is willful or repeated is referred to the Complaints and Compliance Division of the FCC's Broadcast Bureau. Under the Communications Act, repeated is defined as having occurred on two separate days. Also, repetition of an occurrence is much easier to prove than "willful." Generally, something must have been done more than once and on separate days in order to qualify for a fine.

At C & C, the violations are reviewed by the staff to determine if: (a) the violation could be cleared and no action taken, (b) further information is required and letters will be written inquiring about the circumstance, (c) a letter of admonishment will be issued, (d) a fine is justified and the staff under its delegated authority will issue a notice of apparent liability up to \$2,000, (e) the violation(s) were serious enough that the case will be designated for hearing, or (f) the case will be referred to the full Commission for consideration.

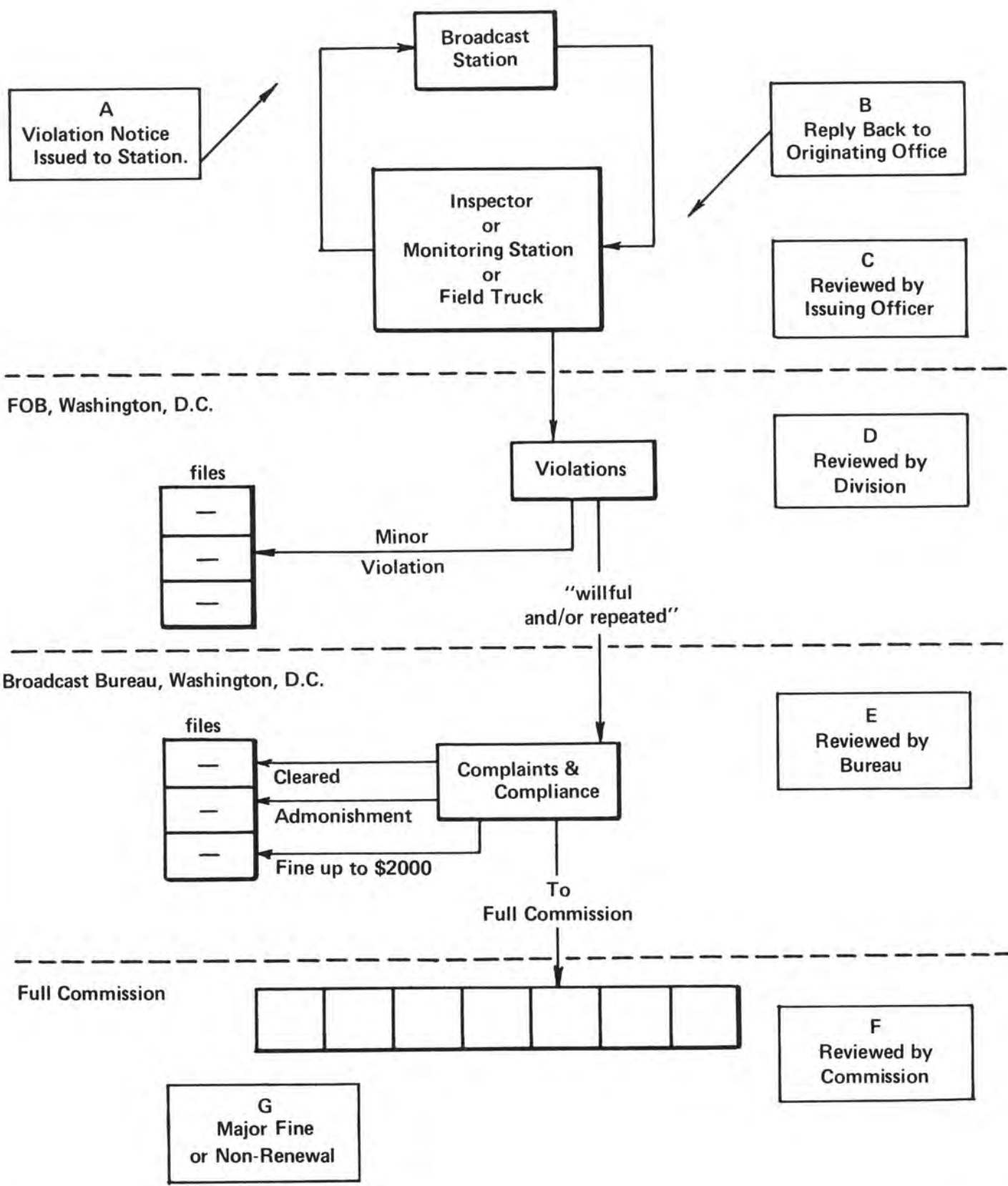
## Amount of Forfeiture

Recently, the Commission has released the internal guidelines for judging the amount of the forfeiture. The guidelines are general, and the amount of forfeiture is subject to considerable variation depending upon the circumstances of the violation.

The following is a list of forfeitures for common violations where a range of fines, or a standard fine, has been established by Commission precedent. It should be understood that some cases may fall outside the ranges set out below where unusual mitigating or aggravating factors are found.

- (1) Failure to make timely equipment performance measurements ..... \$300
- (2) Failure to respond to an Official Notice of Violation ..... \$500
- (3) Failure to file annual financial reports ..... \$150 to \$250
- (4) Fraudulent billing. The amount assessed is usually limited only by the number of days within the statute of limitations. Recently, the Commission has been ordering hearings rather than issuing Notices of Apparent Liability \$1,000 to \$10,000
- (5) Off-frequency operation. Most fines have been \$1,000, but a \$3,000 fine was assessed against a television station ... \$1,000 to \$3,000
- (6) Failure to light tower or to keep it properly painted. These violations are considered most serious because of the hazards to air navigation ..... \$500 to \$5,000
- (7) Logging.
  - (a) Technical logging violations (failure to make the required entries in the program, operating, or maintenance logs) \$100 to \$500
  - (b) Failure to accurately log the duration of commercial time; e.g., logging a 90-second spot as 30 seconds. No fines are assessed for isolated instances. Fines have been assessed only where the practice occurs frequently throughout the day for long periods of time. Most fines have been for \$2,000 ..... \$1,000 to \$5,000
  - (c) Fictitious log entries. The Commission considered deliberate falsification of logs, or making entries in the logs without regard to the facts, to be a serious violation. Most fines have fallen within the range of \$2,000 to \$4,000 ..... \$1,000 to \$10,000
  - (d) Failure to log the duration of program-length commercials. The amount is ordinarily set by the number of days falling within the statute of limitations ..... \$1,000 to \$8,000
- (8) Broadcast of lottery information. Most fines have been set at \$2,000 ..... \$350 to \$8,000
- (9) Overmodulation. Most fines have been \$500 ..... \$100 to \$1,000
- (10) Operator violations; operation of transmitter by a person lacking a valid operator's license or lacking the requisite class of license ..... \$500





- (11) Political advertising/equal opportunities. The case involving the \$5,000 fine also included logging violations ..... \$500 to \$5,000  
(In a political advertising case designated for hearing with a forfeiture alternative sanction, the Commission imposed a \$10,000 forfeiture.)
- (12) Operation with unauthorized power.
  - (1) Exceeding 5% of authorized power ..... \$500 to \$2,000
  - (2) Using daytime facilities at night or during presunrise period. Most fines have been at \$2,000 if the licensee is in good financial condition ..... \$500 to \$2,000
  - (3) Recent fines for operating at less than 90% of authorized power have been assessed approximately one-half the amount that would be assessed for a like duration and degree of over-power operation.
- (13) Failure to obtain program test authority. Most fines have been \$1,000. The case involving the \$5,000 forfeiture included other violations, but the failure to obtain program test authority was considered the most serious violation ..... \$500 to \$5,000
- (14) Rebroadcast without obtaining consent of the originating station ..... \$100 to \$1,000
- (15) Failure to broadcast sponsor identification ..... \$250 to \$3,000
- (16) Failure to make required field intensity measurements ..... \$500

The above list is not complete. However, it covers the more frequently found violations. The standard forfeitures or the ranges of forfeitures cited above have been established by Commission precedent.

Figure 9 is a chart showing some of the factors affecting the amount of fines. Starting at the top, usually the violation has to be repeated in order to qualify for a fine. The basic seriousness of one type of violation over another is difficult to assess. Generally, technical anomalies such as power, frequency and modulation which could cause interference to other stations and services are considered serious. Many of the administrative requirements such as recordkeeping may not in themselves cause interference, but may document the technical equipment which might.

The reaction of a broadcaster to a notice of violation is *extremely important*. As the chart expresses, a timely, complete, honest response to the notice describing how the violation problem has been remedied, and how a system has been set up to prevent

it from recurring is the best. On the other hand, replies which are not made in the allotted time, which tend to hide the facts or actually misrepresent, and which indicate incomplete correction and no method of prevention, will alert the FCC staff to assess a much higher fine.

Other factors affecting the amount of fines include the experience and financial stature of the station, past record of violations, fines, letters of admonishment, and other licensee character factors.

## Getting Serious About Inspections

Technical inspections are not just a concern of the station's engineer or of the engineering department. The Commission has held that the licensee cannot delegate responsibility to the point where he has lost control. Although the owner or manager may not understand all that technical mumbo jumbo, he still is responsible for the proper operation of the station. The management must have a system of check, cross check and follow through so that a reasonable effort is continually being made to comply with the rules. Management should provide the guidance, time and equipment necessary for the engineering people to keep the station in conformance with the rules.

## Preparing for an Inspection

The NAB Engineering Department has studied the FCC statistics on the violations given to broadcast stations over the past few years, and has arranged a checklist of these rules. The checklist and accompanying notations are designed to bring to the station's attention the most frequent violations by listing these violations first. A station should take the check-list and a copy of the *FCC Rules* and starting at the beginning, go down the list checking to see if the station conforms to every provision listed. The checklist is only a listing and does not contain the actual text of the rule. *You must read the appropriate rule* in order to fully understand the requirements. The checklist does not contain every broadcasting technical rule, but does fully cover all rules that the FCC periodically cites with any frequency. If everything on the checklist is in order, you are reasonably well-prepared for an inspection.

## When The Inspector Arrives

When the inspector arrives at the station he will probably want to immediately determine if the program and operating logs are being kept up to the minute. He should be permitted to see what he wants, but the chief engineer and/or general manager or highest ranking person should be notified. It is best that the chief engineer make the rounds with the

**FORFEITURE MULTIPLIER CHART**

Violation

 (willful or repeated)

**Response to Notice of Violation**

Quick Complete Honest Problem fixed System of prevention prior to violation (which failed) System of prevention after violation (a must)	Delayed answer Incomplete Problem not fixed Misrepresentation No system of prevention
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Multiply Potential Fine By:

Less

More

No  
Fine

**Licensee Circumstance**

Small Market New Broadcaster, Limited experience Weak financial posture	Experienced Broadcaster Group owned Strong financial position Should have known better
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Multiply Potential Fine By:

Less

More

**Licensee Record**

Few violations in file Little renewal questions Record of good public service	Number of past violations Letters of admonishment Conditional renewals Minimum public service
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Multiply Potential Fine By:

Less

More



inspector. The inspector will probably want to see the program, operating and maintenance logs, the station and operator licenses, the public file and other appropriate records. He will be looking for the proper operation of the remote control equipment, EBS monitors and remote pickup base station equipment. He may want to see remote pickup mobile equipment and licenses. The station personnel accompanying the inspector should be cooperative and helpful and be taking notes of the inspector's comments as the rounds are made.

After the studio is inspected, probably the FCC inspector will want to see the transmitter. There he will ask for the appropriate records, maintenance log, equipment performance measurements, antenna proof, antenna impedance measurements (for AM), etc. He will take readings from the transmitter, the reflectometer, waveform monitor, modulation monitor, frequency monitor, common point, whatever is appropriate for the type of station. For AM, he will want to take the base currents and monitoring points (directional antenna).

If the inspector finds records missing or something out of tolerance, the station's personnel should discuss the matter as honestly and frankly as possible. *UNDER NO CONDITIONS SHOULD STATION PERSONNEL MISREPRESENT ANYTHING TO THE INSPECTOR.* There is no rule violation more serious than falsification of records or misrepresentation. If violations are discovered, and a citation is received, an opportunity to answer the violation is given.

A very important factor in the inspection is the wrap-up at the end. The station engineer should have accompanied the inspector and have taken notes on the whole inspection. At the end of the inspection usually a discussion of the results will take place. This actually is the first opportunity to "answer" violations. If certain items discovered in the inspection can be explained to the satisfaction of the inspector, then there is an opportunity for the problem to be "cleared" at that point. This does not suggest an argument about the various apparent violations but an opportunity to fully disclose the circumstances surrounding the items. The discussion should be guided by the inspector and the invitation to discuss the inspection should originate with the inspector. Remember, do not misrepresent anything to the inspector.

If there are certain items that obviously are going to be cited, then get to work immediately, and do what has to be done. When the notices arrive in the mail, you have only 10 days in which to reply, and the best answer is that the problem has already been fixed.

### **When the Violation is Received**

When the violation notices are received in the mail, usually there is widespread panic in the station.

In the larger group operations, the violation is discussed from top to bottom in the corporate command and even the Washington lawyers get involved. If the violation notices are really serious, then possibly panic is justified, but if the notices concern such things as a modulation monitor peak flasher out, or a remote meter slightly out of calibration, then after the initial shock, it's time to get to work.

If a station is cited for a certain infraction which might not be readily proven, the temptation might be to use a little "literary license" in the reply. *DON'T!* The station may not be aware of other information via monitoring, or other means which is available to the Commission. The most important factor in communications with the FCC is truthfulness and reasonableness.

One point made by the FCC staff is that the answer to a violation notice is extremely important. It should be kept in mind, that initially what is written back by the broadcaster is the only information submitted on behalf of the licensee and that FCC personnel reviewing the file for fine considerations can only know what is there. However, there will also be a copy of the original notice of violation and the inspector's and the engineer in charge's comments representing the local FCC position. Therefore, it is extremely important to answer the violation notice with a full explanation surrounding the circumstances, the measures taken to remedy the situation and the method by which it will be prevented from happening again.

Occasionally, additional time will be necessary to provide a complete answer, for instance if involved personnel are on vacation. If additional time is necessary for a reply, then a letter should be immediately written explaining that a reply is being prepared but due to the circumstances, it may not be completed in 10 days.

In some instances a repair cannot be made immediately because a certain part has to be ordered. In this case an explanation of the situation should be made. When the part arrives and the repair is made, notice should be given to the FCC office that issued the notice of violation. If the FCC does not hear from you in a reasonable amount of time, a form 789 may be issued which requests information about the proper operation of the station.

In summary, the answer to the violation notice is extremely important; do not treat it lightly. Provide a complete answer explaining the relevant circumstances. Be absolutely honest; do not attempt to hide any relevant fact.

### **If You Find You Goofed**

Occasionally a broadcaster will discover rule violations on his own and wonder if he should immediately write the FCC and confess everything.



The broadcaster is under no obligation to come forward with information to the Commission in most cases. However, there are some instances in which informing the Commission of a problem may be advisable or required. For example, conditions may exist requiring a special temporary authority or where there is a reporting requirement such as off-the-air for more than 10 days, an ownership change, etc. Generally, the advice is to correct the problem, and write a memorandum for the file describing the circumstances as if you were answering a notice of violation. Later, if the matter is discovered by the Commission, an accounting of the history and its correction will be available in the memo.

### **Violations, Fines, and Revocations for Operators**

Beware radio operators--which means transmitter sitters, combo disc jockies and anybody else who is signed on the transmitter log. The FCC has new

authority to levy fines on you, and they are planning to use it.

In the past the Commission has had the legal ability to suspend operator licenses but was hesitant to use this authority except in the most extreme instances because in many cases it would be taking the livelihood away from the person, which is drastic indeed. The authority to issue violation notices has existed, but not too frequently used. The new thing is fines for operators which has recently been permitted under a new law. The internal guidelines for such action in broadcast matters has not been formulated as of this writing.

However, be advised that if during an inspection for instance, the station was found to be over power, and that the records show that for more than one day the same operator permitted the station to be over power then both the station *and the operator might be fined*. So beware disc jockies, newsmen, personalities and the like, you may not care one bit about the transmitter log or anything in it, but the fine you might get should give you some inspiration to get interested.

## Broadcast Station Inspection Checklist

Note: GEP means standards of good engineering practice and  
TSA means terms of station authorization (license, CP or telegram)

### Part A AM AND FM RADIO STATIONS

<b>Operator Requirements</b>	<b>AM</b>	<b>FM</b>
<input type="checkbox"/> Operator with proper license on duty	73.93(a)	73.265(a)
<input type="checkbox"/> Contract chief operator, contract on file with FCC, must be designated	73.93(c)	73.265(c)
<input type="checkbox"/> Must do partial or skeleton proofs yearly	73.93(e) (3)	—
<input type="checkbox"/> Monitoring point measurements made	73.93(e) (4)	—
<input type="checkbox"/> Instructions to lesser grade operators posted	73.93(g)	73.265(f)
<input type="checkbox"/> Log inspected within time limits	73.93(h) (4)	73.265(d) (5) (iv)
<input type="checkbox"/> Other duties cannot interfere	73.93(i)	73.265(g)
<input type="checkbox"/> Weekly inspection of transmitter	73.93(j)	73.265(h)
 <b>Proper Operating Power</b>		
<input type="checkbox"/> Within 5% high and 10% low	73.52(a)	73.267(b)
<input type="checkbox"/> Direct method used	73.51(a)	—
<input type="checkbox"/>		
 <b>Audio Proof of Performance</b>		
<input type="checkbox"/> Audio Proof available for inspection	73.47(b)	73.254(c)
<input type="checkbox"/> Audio proof available for two (2) years	73.47(b)	73.254(c)
<input type="checkbox"/> Audio proof made yearly (14 months) and four (4) months prior to renewal	73.47(a)	73.254(b)
<input type="checkbox"/> Description of equipment and method used	73.47(b)	73.254(c)
<input type="checkbox"/> Signed & dated by engineer making measurements	73.47(b)	73.254(c)
<input type="checkbox"/> Audio proof made through all circuits without compression or limiting	73.47(a)	73.254(b)

<b>AM Measurements</b>	<b>Required In Proof</b>	<b>Required Specifications</b>
<input type="checkbox"/> Data and curves for frequency response for 50 to 7500 Hz at 25, 50 & 85% (& 100% modulation if obtainable)	73.47(a) (1)	73.40(a) (4)
<input type="checkbox"/> Data and curves for harmonic distortion for 25, 50 & 85% (& 100% modulation if obtainable) at 50, 100, 400, 1000, 5000 & 7500 Hz	73.47(a) (2)	73.40(a) (3)
<input type="checkbox"/> % carrier amplitude regulation for 25, 50 & 85% (& 100% modulation if obtainable) at 400 Hz	73.47(a) (3)	73.40(a) (5)
<input type="checkbox"/> Hum & noise for 100% modulation at 400 Hz	73.47(a) (4)	73.40(a) (6)
<input type="checkbox"/> Spurious & harmonic radiation check	73.47(a) (5)	73.40(a) (12), (13), (14)
<b>FM Measurements</b>		
<input type="checkbox"/> Information for frequency response for 50, 100, 400, 1000, 5000, 10,000 and 15,000 Hz at 25, 50 & 100% modulation	73.254(b), (1)	73.317(a) (2)
<input type="checkbox"/> Harmonic distortion for 50, 100, 400, 1000 & 5000 Hz at 25, 50 & 100% modulation, also harmonics at 100% modulation for frequencies of 10,000 & 15,000 up to 30,000 Hz	73.254(b) (2)	73.317(a) (3)
<input type="checkbox"/> FM noise in the band from 50 to 15,000 Hz below 100% modulation	73.254(b) (3)	73.317(a) (4)
<input type="checkbox"/> AM noise in the band from 50 to 15,000 Hz below 100% modulation	73.254(b) (4)	73.317(a) (5)
<input type="checkbox"/> Stereo parameters	None	73.322
<b>Modulation</b>		
	<b>AM</b>	<b>FM</b>
<input type="checkbox"/> Negative peaks 100% Maximum	73.55	
<input type="checkbox"/> Positive peaks 125% Maximum	73.55	
<input type="checkbox"/> Minimum modulation 85%	73.55	73.268
<input type="checkbox"/> FM Maximum Modulation		73.268
<b>Remote Reading Meters (at transmitter)</b>		
<input type="checkbox"/> Weekly Calibration	73.57(d)	
<input type="checkbox"/> 2% Accuracy	73.57(d) (2)	
<b>Remote Control Operation</b>		
	<b>AM</b>	<b>FM</b>
<input type="checkbox"/> Positive on/off and fail-safe circuits	73.67(a) (2)	73.275(a) (2)
<input type="checkbox"/> Transmitter security	73.67(a) (1)	73.275(a) (1)
<input type="checkbox"/> Remote meters have true calibration or charts	73.67(a) (7)	73.275(a) (7)
<input type="checkbox"/> Remote meter correct scales	73.67(a) (6)	73.275(a) (6)
<input type="checkbox"/> Remote meters calibrated weekly	73.67(a) (5)	73.275(a) (5)
<input type="checkbox"/> Remote meters agree within 2%	73.67(a) (5)	73.275(a) (5)
<input type="checkbox"/> Provisions for remote tower light check	73.67(a) (4)	73.275(a) (4)
<input type="checkbox"/> EBS alert can be made at control point	73.67(b)	73.275(b)
<input type="checkbox"/> Power can be adjusted	73.67(a) (4)	73.275(a) (4)

	<b>AM</b>	<b>FM</b>
<input type="checkbox"/> Phase & base current for each pattern as required	73.114(a) (8)	—
<input type="checkbox"/> Termination of remote control when required	73.67(a) (3)	73.275(a) (3)
<input type="checkbox"/> Operator using "off-air" monitor	13.7(b)	13.7(b)
<input type="checkbox"/> Type approved antenna monitor remote reading	73.69(a)	—
<input type="checkbox"/> DA antenna skeleton proof conducted annually	73.66(c)	—
<input type="checkbox"/> Modulation continuously monitored if limiter not used	73.67(a) (8)	73.275(a) (8)

### Operating Log

<input type="checkbox"/> Logs retained for 2 years	73.115	73.285
<input type="checkbox"/> Signed at start and end of duty	73.111(a)	73.281(a)
<input type="checkbox"/> Signed and dated by designated chief	73.93(h) (4) (iv)	73.265(d) (5) (iv)
<input type="checkbox"/> Pages numbered and dated	73.111(b)	73.281(b)
<input type="checkbox"/> Indicated advanced or nonadvanced times	73.111(b)	73.281(b)
<input type="checkbox"/> Time of power to antenna	73.113(a) (1) (i)	73.283(a) (1)
<input type="checkbox"/> Daily tower light observation	73.113(a) (1) (ii)	73.283(a) (5)
<input type="checkbox"/> If tower lights out, indication FAA notified	73.113(a) (1) (ii) 17.49(c) (4)	73.283(a) (5) 17.49(c) (4)
<input type="checkbox"/> Adjustments to transmitter parameters	73.113(a)	73.283(a) (3)
<input type="checkbox"/> Plate voltage and plate current	73.113(a) (1) (iv)	73.283(a) (3) (i)
<input type="checkbox"/> Antenna current or common point current	73.113(a) (1) (iv)	—
<input type="checkbox"/> Sample loop current	73.113(a) (2) (ii)	—
<input type="checkbox"/> Phase indications	73.113(a) (2) (i)	—
<input type="checkbox"/> Transmission line meter for direct power	—	73.283(a) (3) (ii)
<input type="checkbox"/> Meter readings without modulation	73.113(a)	—
<input type="checkbox"/> No variation in readings for long periods	GEP	GEP
<input type="checkbox"/> Entries for commencement at each mode and at 3-hour intervals	73.113(a) (1) (iv)	73.283(a) (3)
<input type="checkbox"/> Efficiency factor derivation, $EP \times I_p$ for indirect power	73.113(a) (1) (iii)	—
<input type="checkbox"/> EBS Tests transmitted and received	73.961 73.113(a) (1) (v)	73.961 73.283(a) (2)
<input type="checkbox"/> Corrections made properly	73.113(d)	73.283(d)



## Maintenance Logs

	AM	FM
<input type="checkbox"/> Logs available upon request	73.116(a)	73.286(a)
<input type="checkbox"/> Logs retained for 2 years	73.115	73.285
<input type="checkbox"/> Signature, date & time of inspection	73.114(c)	73.284(c)
<input type="checkbox"/> Weekly Tx system inspection results	73.114(b)	73.284(b)
<input type="checkbox"/> Entries by holder of First Class License	73.114(a)	73.265(b)
<input type="checkbox"/> Weekly calibration of base and remote reading antenna/common point RF meters	73.114(a) (1) (i)	—
<input type="checkbox"/> Time and date of auxiliary Tx tests	73.114(a) (1) (ii)	73.284(a) (1)
<input type="checkbox"/> Frequency check results & methods used	73.114(a) (1) (iii)	73.284(a) (2)
<input type="checkbox"/> Calibration of automatic recorders	73.114(a) (1) (iv)	73.284(a) (3)
<input type="checkbox"/> Calibration of remote control meters	73.114(a) (1) (vi)	73.284(a) (5)
<input type="checkbox"/> Calibration of extension meters	73.114(a) (1) (vii)	73.284(a) (4)
<input type="checkbox"/> Calibration of antenna monitor	73.114(a) (1) (v)	—
<input type="checkbox"/> Time & date of removal of meters and monitors	73.114(a) (2)	73.284(a) (6)
<input type="checkbox"/> Quarterly tower light inspection	73.114(a) (3)	73.284(a) (7)
<input type="checkbox"/> Entries required by authorization	73.114(a) (5)	73.284(a) (10)
<input type="checkbox"/> Experimental operation	73.114(a) (4)	73.284(a) (8)
<input type="checkbox"/> Field strength measurements	73.114(a) (6)	—
<input type="checkbox"/> Common point current	73.114(a) (8) (i)	—
<input type="checkbox"/> Base current, ratio, % deviations	73.114(a) (8) (ii)	—
<input type="checkbox"/> Remote base or sample current, ratio, % deviations	73.114(a) (8) (iii)	—
<input type="checkbox"/> Phase indications & % deviations	73.114(a) (8) (iv)	—
<input type="checkbox"/> Calibration of power output meter	—	73.284(a) (9)
<input type="checkbox"/> Corrections made properly	73.114(d)	73.284(d)

## Logs, General

<input type="checkbox"/> Sign on/off	73.111(a)	73.281(a)
<input type="checkbox"/> Legible	73.111(b)	73.281(b)
<input type="checkbox"/> Key Abbreviations	73.111(b)	73.281(b)
<input type="checkbox"/> Corrections	73.111(c)	73.281(c)
<input type="checkbox"/> Advanced/Non-advanced time	73.111(b)	73.281(b)

## Station Document & Records

	AM	FM
<input type="checkbox"/> License, CP, Renewal, Program test posted	73.92(a)	73.264(a)
<input type="checkbox"/> Operator licenses posted or 759 posted	73.92(b)	73.264(b)
<input type="checkbox"/> Operators licensed,	73.93	73.265
<input type="checkbox"/> SCA, Auxiliary, alternate, PSA authority	73.92(a)	73.264(a)
<input type="checkbox"/> Remote control authorization	73.92(a)	73.264(a)
<input type="checkbox"/> Designated chief operator agreement posted	73.93(h)	73.265(d) (1)
<input type="checkbox"/> Contract chief operator agreement	73.93(c)	73.265(c)
<input type="checkbox"/> Antenna impedance measurement	73.116(a)	—
<input type="checkbox"/> Field strength measurement for directional systems	73.116(a)	—
<input type="checkbox"/> Letter approving transmitter modifications	73.92(a)	73.264(a)
<input type="checkbox"/> Contracts for SCA, brokers, etc.	1.613(d)	1.613(d)
<input type="checkbox"/> Logs and Records available	73.116(a)	73.286(a)
<input type="checkbox"/> Station available for FCC inspection	73.97	73.263
<input type="checkbox"/> Logs relinquished to Commission on request	1.6(a)	1.6(a)

## Stereo & SCA Operation

<input type="checkbox"/> Stereo pilot checked monthly	—	73.297(b)
<input type="checkbox"/> Stereo pilot injection 8 to 10%	—	73.322(b)
<input type="checkbox"/> Stereo pilot frequency within 2 Hz	—	73.322(b)
<input type="checkbox"/> Stereophonic subcarrier suppressed to less than 1% modulation of main carrier	—	73.322(e)
<input type="checkbox"/> SCA—10% modulation if stereo used	—	73.322(j)
<input type="checkbox"/> SCA—daily operating log	—	73.295(f)
<input type="checkbox"/> Time subcarrier generator on	—	73.295(f) (1)
<input type="checkbox"/> Time modulation applied to SCA	—	73.295(f) (2)
<input type="checkbox"/> Time modulation removed from SCA	—	73.295(f) (3)
<input type="checkbox"/> Time subcarrier generator turned off	—	73.295(f) (4)
<input type="checkbox"/> SCA—program log		
<input type="checkbox"/> General description of programming	—	73.295(e)
<input type="checkbox"/> Time of programming change	—	73.295(e)
<input type="checkbox"/> SCA subcarrier tolerance of 500 Hz checked each calendar month (40 days max)	—	73.295(g)
<input type="checkbox"/> Alternate means for defective monitor	73.56(b) (2)	73.253(b) (2)
<input type="checkbox"/> Modulation monitor type approved	73.56(a)	73.253(a)
<input type="checkbox"/> Stereo monitor if transmitting stereo	—	73.253(a) (1)
<input type="checkbox"/> SCA monitor if transmitting SCA	—	73.253(a) (2)

## Transmitter

	AM	FM
<input type="checkbox"/> Transmitter acceptable/or as shown on license	73.48	73.250
<input type="checkbox"/> Operating power correct	73.52(a)	73.267(b) (1)
<input type="checkbox"/> Function of meters labeled	73.58(d)	73.258(d)
<input type="checkbox"/> Meters accurate	73.1215(f)	73.1215(f)
<input type="checkbox"/> Meter(s) proper scale/range all powers	73.1215	73.1215
<input type="checkbox"/> Interlock and safety provisions	73.40(b)	73.317(b)
<input type="checkbox"/> Power adjustment capability	73.40(a) (8)	73.317(a) (8)
<input type="checkbox"/> Efficiency O.K.	73.46(a)	GEP
<input type="checkbox"/> Transmitter efficiency factor available	—	73.267(a) (3)
<input type="checkbox"/> Transmitter and associated equipment operated in accordance with good engineering practice (GEP)	73.46(a)	GEP
<input type="checkbox"/> Transmitter modifications approved	73.43	73.257
<input type="checkbox"/> Modulation within tolerance	73.55	73.268
<input type="checkbox"/> Compression/limiting not excessive	GEP	73.317(f) (1)

## Frequency

<input type="checkbox"/> Frequency in tolerance	73.59	73.269
---	-------	--------

## Program Log

<input type="checkbox"/> Indication of advanced/nonadvanced time	73.111(b)	73.281(b)
<input type="checkbox"/> Logs retained for 2 years	73.115	73.285
<input type="checkbox"/> Operator signature at start and end of duty	73.111(a)	73.281(a)
<input type="checkbox"/> Pages numbered and dated	73.111(b)	73.281(b)
<input type="checkbox"/> Key to abbreviations contained in log	73.111(b)	73.281(b)
<input type="checkbox"/> Station ID times shown	73.112(b) (4) (i)	73.282(b) (4) (i)
<input type="checkbox"/> Sponsor name shown in log (not brand name)	73.112(b) (2) (i)	73.282(b) (2) (i)
<input type="checkbox"/> Program start and end times indicated	73.112(b) (1) (ii)	73.282(b) (1) (ii)
<input type="checkbox"/> Political affiliation for political programs and talks	73.112(b) (1) (v)	73.282(b) (1) (v)
<input type="checkbox"/> Entry clarifying source of program (e.g., net, local, rec.)	73.112(b) (1) (iv)	73.282(b) (1) (iv)
<input type="checkbox"/> Entry clarifying type of program (e.g., pol., ED, EDIT.)	73.112(b) (1) (iii)	73.282(b) (1) (iii)
<input type="checkbox"/> PSA's show party for whom made	73.112(b) (3)	73.282(b) (3)
<input type="checkbox"/> Entry of Pre-Grant announcement (1.580)	73.112(b) (4) (iii)	73.282(b) (4) (iii)
<input type="checkbox"/> Entry showing duration of commercial matter	73.112(b) (2) (ii)	73.282(b) (2) (ii)
<input type="checkbox"/> Entry identifying program by name or title	73.112(b) (1) (i)	73.282(b) (1) (i)

	<b>AM</b>	<b>FM</b>
<input type="checkbox"/> Corrections made properly	73.111(c) & 73.112(h)	73.281(c) & 73.282(h)
<input type="checkbox"/> Logs orderly and legible	73.111(b)	73.281(b)
<input type="checkbox"/> Name and political affiliation for political announcements	73.112(b) (1) (v)	73.282(b) (1) (v)
<input type="checkbox"/> Announcement of prerecorded material	73.112(b) (4) (iv)	73.282(b) (4) (iv)

### **Modulation Monitor**

<input type="checkbox"/> Modulation monitor installed & working	73.56(a)	73.253(a)
<input type="checkbox"/> Peak light calibrated & flashing properly	73.56(a)	73.253(a)
<input type="checkbox"/> Can check to + 125% if used	73.56(d)	—

### **Tower and Antenna**

<input type="checkbox"/> Unauthorized changes in radiating system	73.45(b)	73.257(b) (4)
<input type="checkbox"/> Correct color (TSA—terms of station license)	17.23	17.23
<input type="checkbox"/> Correct number of bands (TSA)	17.23	17.23
<input type="checkbox"/> Lighting agrees with license	TSA	TSA
<input type="checkbox"/> Top and flashing lights work or FAA notified	17.48(a)	17.48(a)
<input type="checkbox"/> Photocell and flashing mechanism	TSA	TSA
<input type="checkbox"/> Radials protected and in good condition	73.189(b) (4) & (5)	—
<input type="checkbox"/> Antenna & transmission line not exposed	73.40(b) (3) (v)	—
<input type="checkbox"/> Base fence secure and grounded	73.40(b) (3) (vi)	—
<input type="checkbox"/> Tuning house security	73.40(b) (3) (iv)	—
<input type="checkbox"/> Base ammeter 2% calibration to remote	73.57(d) (3)	—
<input type="checkbox"/> Weeds cut in antenna area	GEP	—
<input type="checkbox"/> Satisfactory inverse field at 1 mile	73.189(b) (2)	—
<input type="checkbox"/> Spurious or harmonic emissions	73.40(a)	73.317(a) (3)
<input type="checkbox"/> Base meters in range for all powers	73.58(a)	—
<input type="checkbox"/> Remote sample unit location O.K.	73.57(b)	—
<input type="checkbox"/> Damage to antenna system	73.51(d)	—



### Directional Antenna System

	AM	FM
<input type="checkbox"/> Field strength measurements made according to license	TSA	—
<input type="checkbox"/> Field strength meter available and working	TSA	—
<input type="checkbox"/> Base current, sample loop current, phase angle agree with license	TSA	—
<input type="checkbox"/> Base current ratio within 5%	73.52(g)	
<input type="checkbox"/> Antenna monitor installed and working	TSA	—
<input type="checkbox"/> Field strength measured less than licensed maximum at monitoring points	TSA	—
<input type="checkbox"/> Sample loop meters have calibration chart or scales when used as remote antenna meters	73.57(f)	—
<input type="checkbox"/> Monitor point satisfactory location and adequately described on license	GEP	—
<input type="checkbox"/> Fail-safe ckt. for reduced operator requirements	73.93(f) (5)	—
<input type="checkbox"/> Antenna monitoring type-approved	73.69(a)	—
<input type="checkbox"/> Approved sampling system O.K. if required	73.68	—

### Studio and Control Point

<input type="checkbox"/> Main studio location as licensed	73.31	73.210
<input type="checkbox"/> Operator's primary duty is operation of Tx	73.93(i)	73.265(g)
<input type="checkbox"/> Remote control point security	73.67(a) (1)	73.275(a) (1)
<input type="checkbox"/> Function of meters labeled	73.58(d)	73.258(d)
<input type="checkbox"/> Equipment/wiring—good engineering practice	73.46(a) 73.40	73.317
<input type="checkbox"/> Transmitter/Monitor visible to operator	73.93(a)	73.265(a)
<input type="checkbox"/> EBS alarm visible or audible	73.932(a)	73.932(a)
<input type="checkbox"/> EBS check lists immediately available	73.908	73.908
<input type="checkbox"/> Extension meters visible	73.70(c)	73.276(c)

### Extension Metering

<input type="checkbox"/> Transmitter accessible within 100 feet	73.70(b)	73.276(b)
<input type="checkbox"/> All required meters extended	73.70(d)	73.276(d)
<input type="checkbox"/> Meters have correct scales	73.70(d)	73.276(d)
<input type="checkbox"/> Extension meters calibrated weekly	73.70(f)	73.276(f)
<input type="checkbox"/> Extension meters agree within 2%	73.70(f) (3)	73.276(f) (3)
<input type="checkbox"/> Extension meters operate continuously	73.70(e)	73.276(e)
<input type="checkbox"/> Modulation indicators installed	73.70(g)	73.276(g)

### Public Inspection File

	AM	FM
<input type="checkbox"/> Records at accessible location	1.526(d)	1.526(d)
<input type="checkbox"/> Applications tendered after May 13, 1965	1.526(a) (1)	1.526(a) (1)
<input type="checkbox"/> Ownership reports filed after May 13, 1965	1.526(a) (3)	1.526(a) (3)
<input type="checkbox"/> Political use requests	73.120(d)	73.290(d)
<input type="checkbox"/> Annual employment reports	1.526(a) (5)	1.526(a) (5)

### Notices To Be Filed With E.I.C.

<input type="checkbox"/> Equipment test notice	73.95(a)	73.216(a)
<input type="checkbox"/> Program test authority advance notice	73.96(a)	73.217(a)
<input type="checkbox"/> Request for inspection	73.95(d)	73.216(d)
<input type="checkbox"/> Letter designating chief operator	73.93(h)	73.265(d) (1)
<input type="checkbox"/> Replacement of transmitter	73.48(a) (5)	73.250(a) (5)

### Other Operating Requirements

<input type="checkbox"/> Required station identification	73.1201(a)	73.1201(a)
<input type="checkbox"/> Sponsors identified on air	73.1212	73.1212
<input type="checkbox"/> Presunrise operation	73.99	—
<input type="checkbox"/> Time and modes of operation correct	73.87 & TSA	—
<input type="checkbox"/> Transmitting phone call requirements	73.1206	73.1206
<input type="checkbox"/> Rebroadcasting other stations	73.1207	73.1207
<input type="checkbox"/> Delayed-recorded broadcast announced	73.1208(a)	73.1208(a)
<input type="checkbox"/> Bi-monthly announcement of licensee obligation	73.1202	73.1202
<input type="checkbox"/> No fraudulent billing	73.1205	73.1205
<input type="checkbox"/> EEO Compliance	73.125	73.301
<input type="checkbox"/> Compliance with rules re: personal attacks and political editorials	73.123	73.300
<input type="checkbox"/> Letter to Commission describing emergency operation	73.98(f)	73.298(e)
<input type="checkbox"/> Public and Broadcasting Procedural Manual	1.526(a) (6)	1.526(a) (6)
<input type="checkbox"/> Letters from public as required	73.1202(f)	73.1202(f)
<input type="checkbox"/> Public problems and need survey	1.526(a) (9)	1.526(a) (9)
<input type="checkbox"/> Materials available for reproduction	1.526(f)	1.526(f)
<input type="checkbox"/> Materials retained for proper period	1.526(e)	1.526(e)
<input type="checkbox"/> Donor announcement for non-commercial stations	73.582(b) (2)	73.582(b) (2)

## Automatic Logging

AM

FM

### Operating Log

<input type="checkbox"/> Accurately calibrated, time, date and circuit functions	73.113(b)	73.283(b)
<input type="checkbox"/> Autologger does not affect accuracy	73.113(b) (1)	73.283(b) (1)
<input type="checkbox"/> Equipment accuracy	73.113(b) (2)	72.283(b) (2)
<input type="checkbox"/> Weekly calibration of logger	73.113(b) (3)	73.283(b) (3)
<input type="checkbox"/> Aural alarm circuit	73.113(b) (4)	73.283(b) (4)
<input type="checkbox"/> Parameters read every 10 minutes	73.113(b) (5)	73.283(b) (5)
<input type="checkbox"/> Logger located at control point	73.113(b) (6)	73.283(b) (6)
<input type="checkbox"/> Logger located in vicinity of operator	73.113(b) (7)	73.283(b) (7)
<input type="checkbox"/> Conforms with 73.1215 (arbitrary scales not authorized)	73.113(b) (8)	73.283(b) (8)
<input type="checkbox"/> Corrections made properly	73.113(d) (2)	73.283(d) (2)

### Program Log

<input type="checkbox"/> Information available for partial logging	73.112(f) (3)	73.283(f) (3)
<input type="checkbox"/> Certificate of auto logging by operator	73.112(e) (3)	73.282(e) (3)
<input type="checkbox"/> Corrections made properly	73.112(h)	73.282(h)
<input type="checkbox"/> Certificate of Logging Data	73.112(f) (2)	73.282(f) (2)
<input type="checkbox"/> All Required Information Available	73.112(g)	73.282(g)

## Automatic Transmission Systems

<input type="checkbox"/> Authorization to use ATS	73.140(c)	73.340(c)
<input type="checkbox"/> ATS personnel licensee employees	73.146(a)	73.346(a)
<input type="checkbox"/> ATS personnel can perform monitoring & duties	73.146(f)	73.346(f)
<input type="checkbox"/> ATS personnel fully instructed on duties	73.146(g)	73.346(g)
<input type="checkbox"/> Tower lights checks either manual or automatic	73.146(c) (3)	73.346(c) (3)
<input type="checkbox"/> Only manual turn on used	73.140(e)	73.340(e)
<input type="checkbox"/> ATS operator holds at least RP	73.140(c) (2)	73.340(c) (2)

### ATS Control Functions

<input type="checkbox"/> Power adjust automatic	73.142(b) (2)	73.342(b) (2)
<input type="checkbox"/> Modulation adjust automatic	73.142(b) (3)	73.342(b) (3)
<input type="checkbox"/> Mode switching clock O.K. if needed	73.142(d)	—
<input type="checkbox"/> Mode switching completely automatic	73.142(d)	—
<input type="checkbox"/> Modulation control for SCA if used	—	73.342(c)
<input type="checkbox"/> ATS auxiliary/alternate trans. O.K. if used	73.142(g)	73.342(g)
<input type="checkbox"/> Minimum modulation maintained	73.142(b) (3)	73.342(b) (3)
<input type="checkbox"/> Provision for indirect power function if used	—	73.342(b) (1)
<input type="checkbox"/> ATS test system functioning	73.142(i)	73.342(i)

<b>ATS Turn Off and Fail-Safe Functions</b>	<b>AM</b>	<b>FM</b>
<input type="checkbox"/> Over power uncorrected over 3 minutes	73.144(a) (1)	73.344(a) (1)
<input type="checkbox"/> Over modulation uncorrected over 3 minutes	73.144(a) (2)	73.344(a) (2)
<input type="checkbox"/> Clock for mode switching fails over 3 minutes	73.144(a) (3)	—
<input type="checkbox"/> Loss of turn-on or turn-off control	73.144(a) (4)	73.344(a) (4)
<input type="checkbox"/> Loss of alarm device functioning	73.144(a) (5)	73.344(a) (5)
<input type="checkbox"/> Loss of alarm sampling circuits	73.144(a) (6)	73.344(a) (6)
 <b>ATS Alarm Functions</b>		
<input type="checkbox"/> Loss of signal (carrier or program) 3 minutes	73.146(c) (1)	73.346(c) (1)
<input type="checkbox"/> Power below 90% authorized over 3 minutes	73.146(c) (2)	73.346(c) (2)
<input type="checkbox"/> Tower lighting failure if alarms used	73.146(c) (3)	73.346(c) (3)
 <b>ATS Monitoring and Alarm Points</b>		
<input type="checkbox"/> On/off controls functioning	73.146(b) (1)	73.346(b) (1)
<input type="checkbox"/> Off-air SCA program monitor for SCA	—	73.346(b) (2)
<input type="checkbox"/> Off-air monitor	73.146(b) (2)	73.346(b) (2)
<input type="checkbox"/> Aural alarm signal functioning	73.146(b) (3)	73.346(b) (3)
<input type="checkbox"/> Point accessible & under licensee control	73.146(a)	73.346(a)
<input type="checkbox"/> Point controls protected from unauthorized	73.146(a)	73.346(a)
<input type="checkbox"/> EBS facilities provided as needed	73.146(f)	73.346(f)
<input type="checkbox"/> Licenses and ATS authorization posted	73.146(h)	73.346(h)

<b>Auxiliary Broadcast Stations</b>	<b>AM &amp; FM</b>
<b>Remote Pickup Stations</b>	
<input type="checkbox"/> Licensed power not exceeded	74.461
<input type="checkbox"/> Frequency tolerance	74.464
<input type="checkbox"/> License posted or attached to transmitter	74.467(a) or (b)
<input type="checkbox"/> Station log	
<input type="checkbox"/> Frequency check	74.465
<input type="checkbox"/> Entries required by Part 17	74.481(a) (1) (i)
<input type="checkbox"/> Station identification	74.482
<input type="checkbox"/> Remote control operation	74.434
<input type="checkbox"/> % modulation indicator	73.434(a) (1)
<input type="checkbox"/> On/off control of RF stage	74.434(a) (2)
<input type="checkbox"/> Protected against unauthorized operation	74.434(a) (3)
<input type="checkbox"/> Operator under control of licensee	74.468(a)



**Aural Broadcast STL and Intercity Relay Stations****AM & FM**

<input type="checkbox"/> +5% licensed power not exceeded	74.534
<input type="checkbox"/> Directional antenna required	74.536
<input type="checkbox"/> Frequency tolerance	74.561
<input type="checkbox"/> Station license posted	74.564
<input type="checkbox"/> Station log	
<input type="checkbox"/> Hours of operation	74.581(a) (1)
<input type="checkbox"/> Program transmitted	74.581(a) (2)
<input type="checkbox"/> Frequency check	74.581(a) (3)
<input type="checkbox"/> Entries required by Part 17	74.581(b)
<input type="checkbox"/> Station identification	74.582
<input type="checkbox"/> Remote control operation	74.533(a)
<input type="checkbox"/> Notification to Commission 10 days prior to operation	74.533(a)
<input type="checkbox"/> Operated under control of licensee	74.533(a) (1)
<input type="checkbox"/> RF or control activated device showing Tx is radiating	74.533(a) (2)
<input type="checkbox"/> On/off control of RF stage	74.533(a) (3)
<input type="checkbox"/> Protected against unauthorized operation	74.533(a) (4)
<input type="checkbox"/> Unattended operation	74.533(b)
<input type="checkbox"/> Notification to Commission 10 days prior to operation	74.533(b)
<input type="checkbox"/> Circuits to deactivate Tx if used as relay	74.533(b) (1)
<input type="checkbox"/> Protected against improper operation	74.533(b) (2)
<input type="checkbox"/> Protected against unauthorized operation	74.533(b) (3)
<input type="checkbox"/> Observations made at receiving end every 24 hours	74.533(b) (4)
<input type="checkbox"/> Repairs by qualified person	74.533(b) (5)

**EBS****AM****FM**

<input type="checkbox"/> Receiver decoder installed and working	73.932(a)	73.932(a)
<input type="checkbox"/> Weekly test transmission made unscheduled	73.961(c)	73.961(c)
<input type="checkbox"/> EBS tests being received	73.932(c)	73.932(c)
<input type="checkbox"/> Check list immediately available	73.908	73.908
<input type="checkbox"/> Equipment loan inventory O.K.	<b>Terms of loan agreement</b>	
<input type="checkbox"/> EBS tone encoder installed/working	73.932(b)	73.932(b)
<input type="checkbox"/> Monitoring correct station assignment	73.932(a)	73.932(a)

## Television Inspection Checklist

### Technical Signal Analysis

	<b>TV</b>
<input type="checkbox"/> Visual carrier frequency within tolerance	73.682(a) (2)
<input type="checkbox"/> Aural-Visual separation 4.5 MHz	73.682(a) (3)
<input type="checkbox"/> Horizontal scan rate within tolerance	73.682(a) (6)
<input type="checkbox"/> Vertical scan rate within tolerance	73.682(a) (6)
<input type="checkbox"/> Chrominance frequency 3.579545 MHz $\pm$ 10 Hz	73.682(a) (5)
<input type="checkbox"/> Blanking level 72.5-77.5%	73.682(a) (12)
<input type="checkbox"/> Reference white level 10 - 15%	73.682(a) (13)
<input type="checkbox"/> Setup interval 5 - 10 IRE units	73.682(a) (17)
<input type="checkbox"/> Horizontal sync pulse width 4.4-5.1 us	73.699
<input type="checkbox"/> Front porch duration 1.3 us min.	73.699
<input type="checkbox"/> Sync to end-of-burst 7.9 us max.	73.699
<input type="checkbox"/> Sync to start of video 9.2 us min.	73.699
<input type="checkbox"/> Horizontal blanking interval 11.5 us max.	73.699
<input type="checkbox"/> Color burst length 8-11 cycles	73.699
<input type="checkbox"/> Color burst amplitude 90-110%	73.699
<input type="checkbox"/> Breezeway duration .4 us min.	73.699
<input type="checkbox"/> Pulse rise time .3 us max.	73.699
<input type="checkbox"/> Equalizing pulse width 2.5 us	73.699
<input type="checkbox"/> Serration width 3.8-5.1 us	73.699
<input type="checkbox"/> Blanking sync tip variation 5% max.	73.682(a) (16)
<input type="checkbox"/> Vertical blanking interval 18 - 21 lines	73.699
<input type="checkbox"/> Aural modulation 85 - 100%	73.687(b) (7)
<input type="checkbox"/> Subjective evaluation of picture quality. TASA I	<b>Good Engineering Practice</b>

### Power

<input type="checkbox"/> Aural operating power correct	73.689(b) (2) (i)
<input type="checkbox"/> Visual operating power correct	73.689(b) (1)

### Frequency

<input type="checkbox"/> Maintained within the proper tolerance	73.668
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## Remote Control Operation

- |                          |   |                |
|--------------------------|---|----------------|
| <input type="checkbox"/> | Positive on/off and fail-safe circuits                    | 73.676(c)      |
| <input type="checkbox"/> | Transmitter secure  | 73.676(d)      |
| <input type="checkbox"/> | Remote meters have true calibration or charts             | 73.676(a) (4)  |
| <input type="checkbox"/> | Remote meter correct scales                               | 73.676(a) (3)  |
| <input type="checkbox"/> | Remote meters calibrated weekly                           | 73.676(g)      |
| <input type="checkbox"/> | Remote meters agree within 2%                             | 73.676(a) (2)  |
| <input type="checkbox"/> | Provisions for remote tower light check                   | 73.676(a) (9)  |
| <input type="checkbox"/> | EBS alert can be made at control point                    | 73.676(a) (10) |
| <input type="checkbox"/> | Power adjustment capability                               | 73.676(a) (5)  |
| <input type="checkbox"/> | Termination of remote control                             | 73.676(c)      |
| <input type="checkbox"/> | Operator using "off-air" visual signal monitor            | 73.676(a) (6)  |
| <input type="checkbox"/> | VIT signal inserted at remote control point               | 73.676(f)      |
| <input type="checkbox"/> | VIT signal extracted and observed at remote control point | 73.676(f)      |

## TV

## Operating Log

- |                          |   |                       |
|--------------------------|---|-----------------------|
| <input type="checkbox"/> | Retained for 2 years  | 73.673                |
| <input type="checkbox"/> | Signed at start and end of duty                               | 73.669(a)             |
| <input type="checkbox"/> | Pages numbered and dated                                      | 73.669(b)             |
| <input type="checkbox"/> | Indicated advanced or nonadvanced times                       | 73.669(b)             |
| <input type="checkbox"/> | Time of power to antenna                                      | 73.671(a) (1)         |
| <input type="checkbox"/> | Daily tower light observation                                 | 73.671(a) (5)         |
| <input type="checkbox"/> | If tower lights out, indication FAA notified                  | 73.671(a) (5)         |
| <input type="checkbox"/> |   | 17.49(c) (4)          |
| <input type="checkbox"/> | Adjustments to transmitter parameters                         | 73.671(a) (3)         |
| <input type="checkbox"/> | Aural Xmtr. plate voltage and plate current readings          | 73.671(a) (3) (i)     |
| <input type="checkbox"/> | Aural and visual transmission line meter readings             | 73.671(a) (3) (ii)    |
| <input type="checkbox"/> | VIT signal observations for remote control                    | 73.671(a) (3) (iii)   |
| <input type="checkbox"/> | No variation in readings for long periods                     | —                     |
| <input type="checkbox"/> | Entries for commencement at each mode and at 3-hour intervals | 73.671(a) (3)         |
| <input type="checkbox"/> | EBS tests transmitted and received                            | 73.961, 73.671(a) (2) |
| <input type="checkbox"/> | Corrections made properly                                     | 73.669(c)             |

## Maintenance Logs

<input type="checkbox"/>	Available upon request	73.674(a)
<input type="checkbox"/>	Retained for 2 years	73.673
<input type="checkbox"/>	Signature & date of inspection	73.672(b)
<input type="checkbox"/>	Weekly calibration of remote meters	73.672(a) (4)
<input type="checkbox"/>	Time and results of auxiliary transmitter tests	73.672(a) (1)
<input type="checkbox"/>	Frequency check results & methods used	73.672(a) (5)
<input type="checkbox"/>	Calibration of automatic recorders	73.672(a) (2)
<input type="checkbox"/>	Calibration of extension meters	73.672(a) (3)
<input type="checkbox"/>	Calibration of output power meter	73.672(a) (9)
<input type="checkbox"/>	Time & date of removal of meters and monitors	73.672(a) (6)
<input type="checkbox"/>	Quarterly tower light inspection	73.672(a) (7)
<input type="checkbox"/>	Entries required by authorization	73.672(a) (10)
<input type="checkbox"/>	Operation for testing and maintenance	73.672(a) (8)
<input type="checkbox"/>	Corrections made properly	73.669(c)

## TV

## Program Log

<input type="checkbox"/>	Indication of advanced/nonadvanced time	73.669(b)
<input type="checkbox"/>	Retained for 2 years	73.673
<input type="checkbox"/>	Operator signature at start and end of duty	73.669(a)
<input type="checkbox"/>	Pages numbered and dated	73.669(b)
<input type="checkbox"/>	Key to abbreviations contained in log	73.669(b)
<input type="checkbox"/>	Station ID times shown	73.670(b) (4) (i)
<input type="checkbox"/>	Sponsor name shown in log (not brand name)	73.670(b) (2) (i)
<input type="checkbox"/>	Program start and end times indicated	73.670(b) (1) (ii)
<input type="checkbox"/>	Political affiliation listed for political programs and talks	73.670(b) (1) (v)
<input type="checkbox"/>	Entry classifying source of program (e.g., net, local, rec.)	73.670(b) (1) (iv)
<input type="checkbox"/>	Entry classifying type of program (e.g., pol., ED, EDIT.)	73.670(b) (1) (iii)
<input type="checkbox"/>	PSA's source identified	73.670(b) (3)
<input type="checkbox"/>	Entry of Pre-Grant announcement (1.580)	73.670(b) (4) (iii)
<input type="checkbox"/>	Entry showing duration of commercial matter	73.670(b) (2) (ii)
<input type="checkbox"/>	Entry identifying program by name or title	73.670(b) (1) (i)
<input type="checkbox"/>	Corrections made properly	73.669(c)
<input type="checkbox"/>	Logs orderly and legible	73.669(b)
<input type="checkbox"/>	Announcement of prerecorded material	73.670(b) (4) (iv)



## **Transmitter**

- |   |                                  |
|---|----------------------------------|
| <input type="checkbox"/> Transmitter type-accepted/or as shown on license | <b>TV</b><br><b>73.640</b>       |
| <input type="checkbox"/> Function of meters labeled                       | <b>73.688(d)</b>                 |
| <input type="checkbox"/> Meters accurate                                  | <b>73.1215(f)</b>                |
| <input type="checkbox"/> Meter(s) proper scale/range all powers           | <b>73.688(a)</b>                 |
| <input type="checkbox"/> Interlock and safety provisions                  | <b>73.687(d) (3)</b>             |
| <input type="checkbox"/> Power adjustment capability                      | <b>73.687(c) (3)</b>             |
| <input type="checkbox"/> Efficiency O.K.                                  | <b>Good Engineering Practice</b> |
| <input type="checkbox"/> Transmitter modifications approved               | <b>73.639(b)</b>                 |
| <input type="checkbox"/> Vestigial sideband filter if necessary           | <b>73.687(a) (3)</b>             |
| <input type="checkbox"/> Harmonic filters if necessary                    | <b>73.687(i)</b>                 |

## **Aural Modulation Monitor**

- |  |                      |
|--|----------------------|
| <input type="checkbox"/> Modulation monitor installed & working                  | <b>73.691(a)</b>     |
| <input type="checkbox"/> Peak indicator calibrated & operating properly          | <b>73.694(b) (2)</b> |
| <input type="checkbox"/> Alternate means for measurement if monitor is defective | <b>73.691(b)</b>     |
| <input type="checkbox"/> Modulation monitor type approved                        | <b>73.691(a)</b>     |

## **Visual Modulation Monitor**

- |   |                  |
|---|------------------|
| <input type="checkbox"/> Visual modulation monitoring equipment installed and working | <b>73.691(a)</b> |
| <input type="checkbox"/> Alternate means for measurement if monitor is defective      | <b>73.691(b)</b> |

## **Automatic Logging**

### **Operating Log**

- |  |                      |
|--|----------------------|
| <input type="checkbox"/> Accurately calibrated, time, date and circuit functions | <b>73.671(b)</b>     |
| <input type="checkbox"/> Autologger does not affect accuracy                     | <b>73.671(b) (1)</b> |
| <input type="checkbox"/> Equipment accurate                                      | <b>73.671(b) (2)</b> |
| <input type="checkbox"/> Weekly calibration of logger                            | <b>73.671(b) (3)</b> |
| <input type="checkbox"/> Aural alarm circuit                                     | <b>73.671(b) (4)</b> |
| <input type="checkbox"/> Parameters read every 10 minutes                        | <b>73.671(b) (5)</b> |
| <input type="checkbox"/> Logger located in vicinity of operator                  | <b>73.671(b) (6)</b> |
| <input type="checkbox"/> Conforms with 73.1215 (arbitrary scales not authorized) | <b>73.671(b) (7)</b> |
| <input type="checkbox"/> Corrections made properly                               | <b>73.671(d) (2)</b> |

### **Program Log**

- |  |                     |
|--|---------------------|
| <input type="checkbox"/> Information available for partial logging | TV<br>73.670(f) (3) |
| <input type="checkbox"/> Certificate of auto logging by operator   | 73.670(e) (3)       |
| <input type="checkbox"/> Corrections made properly                 | 73.670(h)           |
| <input type="checkbox"/> Certificate of logging date               | 73.670(f) (2)       |
| <input type="checkbox"/> All required information available        | 73.670(g)           |

### **Extension Metering**

- |   |               |
|---|---------------|
| <input type="checkbox"/> Transmitter accessible within 100 feet | 73.678(b)     |
| <input type="checkbox"/> All required meters extended           | 73.678(d)     |
| <input type="checkbox"/> Meters have standard scales            | 73.678(d)     |
| <input type="checkbox"/> Extension meters calibrated weekly     | 73.678(f)     |
| <input type="checkbox"/> Extension meters agree with 2%         | 73.678(f) (3) |
| <input type="checkbox"/> Extension meters operate continuously  | 73.678(e)     |
| <input type="checkbox"/> Modulation indicators installed        | 73.678(g)     |

### **Studio and Control Point**

- |  |           |
|--|-----------|
| <input type="checkbox"/> Main studio at licensed location                    | 73.613    |
| <input type="checkbox"/> Operator's primary duty is operation of transmitter | 73.661    |
| <input type="checkbox"/> Remote control point security                       | 73.676(d) |
| <input type="checkbox"/> Function of meters labeled                          | 73.688(d) |
| <input type="checkbox"/> Equipment/wiring—good engineering practice          | 73.687(j) |
| <input type="checkbox"/> Transmitter/Monitor visible to operator             | 73.661    |
| <input type="checkbox"/> EBS alarm visible or audible                        | 73.932(a) |
| <input type="checkbox"/> EBS check list immediately available                | 73.908    |

### **Tower and Antenna**

- |   |               |
|---|---------------|
| <input type="checkbox"/> Tower location and height as licensed                | 73.639(b) (3) |
| <input type="checkbox"/> Unauthorized changes in antenna or transmission line | 73.639(b) (4) |
| <input type="checkbox"/> Correct color (TSA)                                  | 17.23         |
| <input type="checkbox"/> Correct number of bands (TSA)                        | 17.23         |
| <input type="checkbox"/> Lighting agrees with license                         | TSA           |
| <input type="checkbox"/> Top and flashing lights work or FAA notified         | 17.48(a)      |
| <input type="checkbox"/> Photocell and flashing mechanism                     | TSA           |

## Station Document & Records

	TV
<input type="checkbox"/> License, Construction Permit, Renewal, Program test posted	73.660(a)
<input type="checkbox"/> Operator licenses posted or Form 759 posted	73.660(b)
<input type="checkbox"/> Operators properly licensed	73.661
<input type="checkbox"/> Auxiliary, alternate transmitters authorized	73.660(a)
<input type="checkbox"/> Remote control authorization	73.660(a)
<input type="checkbox"/> Logs and Records available	73.674(a)
<input type="checkbox"/> Station available for FCC inspection	73.665
<input type="checkbox"/> Logs relinquished to Commission on request	1.6(a)

## Notices To Be Filed With Local FCC Field Office

<input type="checkbox"/> Equipment test notice	73.628(a)
<input type="checkbox"/> Program test authority advance notice	73.629(a)
<input type="checkbox"/> Request for inspection	73.628(d)
<input type="checkbox"/> Replacement of transmitter	73.640(a) (5)
<input type="checkbox"/> Main transmitter becomes alternate main	73.637(b)
<input type="checkbox"/> Main transmitter becomes auxiliary	73.638(b)

## Public Inspection File

<input type="checkbox"/> Records at accessible location	1.526(d)
<input type="checkbox"/> Applications tendered (after May 13, 1965)	1.526(a) (1)
<input type="checkbox"/> Ownership reports filed (after May 13, 1965)	1.526(a) (3)
<input type="checkbox"/> Political time requests in public file	73.657(d)
<input type="checkbox"/> Annual employment reports	1.526(a) (5)
<input type="checkbox"/> Public and Broadcasting Procedural Manual	1.526(a) (6)
<input type="checkbox"/> Letters from public as required	73.1202(f)
<input type="checkbox"/> Public problems and need survey	1.526(a) (9)
<input type="checkbox"/> Materials available for reproduction	1.526(f)
<input type="checkbox"/> Materials retained for proper period	1.526(e)

## Rules Common to AM, FM, and Television

### Other Operating Requirements

	AM, FM & TV
<input type="checkbox"/> Required station identification	73.1201(a)
<input type="checkbox"/> Sponsors identified on air	73.1212
<input type="checkbox"/> Transmitting phone call requirements	73.1206
<input type="checkbox"/> Rebroadcasting other stations	73.1207
<input type="checkbox"/> Delayed-recorded broadcast announced	73.1208(a)
<input type="checkbox"/> Bi-monthly announcement of licensee obligation	73.1202
<input type="checkbox"/> No fraudulent billing	73.1205
<input type="checkbox"/> EEO Compliance	73.680

**AM, FM & TV**

- Compliance with FCC rules  
(personal attacks and political editorials) 73.679
- Letter to Commission describing any emergency operation  
conducted by the station 73.675

**EBS**

- Receiver decoder installed and working 73.932(a)
- Weekly test transmissions made unscheduled 73.961(c)
- EBS tests received off-the-air 73.932(c)
- EBS checklist immediately available 73.908
- Equipment loan inventory installed and operational **Terms of Contract**
- EBS tone encoder installed/working 73.932(b)
- Correct station assignment monitored 73.932(a)

**Aural STL and Intercity Relay Stations**

- Operating power not in excess of +5% of licensed value 74.534
- Directional antenna required 74.536
- Frequency tolerance 74.561
- Station license posted 74.564
- Station log 74.581
  - Hours of operation 74.581(a) (1)
  - Program transmitted 74.581(a) (2)
  - Frequency check 74.581(a) (3)
- Entries required by Part 17 74.581(b)
- Station identification 74.582
- Remote control operation 74.533(a)
  - Notification to Commission 10 days prior to operation 74.533(a)
  - Operated under control of licensee 74.533(a) (1)
  - RF or control activated device showing Tx is radiating 74.533(a) (2)
  - On/off control of RF stage 74.533(a) (3)
  - Protected against unauthorized operation 74.533(a) (4)
- Unattended operation 74.533(b)
  - Notification to Commission 10 days prior to operation 74.533(b)
  - Circuits to deactivate Tx (if used as relay) 74.533(b) (1)
  - Protected against improper operation 74.533(b) (2)
  - Protected against unauthorized operation 74.533(b) (3)
  - Observations made at receiving end (every 3 hours) 74.533(b) (4)
  - Repairs by qualified person 74.533(b) (5)



### **Remote Pickup Stations**

- |  |   |
|--|---|
| <input type="checkbox"/> Operating power not in excess of +5% licensed value | <b>AM, FM &amp; TV</b><br><b>74.461</b> |
| <input type="checkbox"/> Frequency tolerance                                 | <b>74.464</b>                           |
| <input type="checkbox"/> License posted or attached to transmitter           | <b>74.467(a) or (b)</b>                 |
| <input type="checkbox"/> Station log   | <b>74.481</b>                           |
| <input type="checkbox"/> Frequency check                                     | <b>74.465</b>                           |
| <input type="checkbox"/> Entries required by Part 17                         | <b>74.481(a) (1)</b>                    |
| <input type="checkbox"/> Station identification                              | <b>74.482</b>                           |
| <input type="checkbox"/> Remote control operation                            | <b>74.434</b>                           |
| <input type="checkbox"/> % modulation indicator                              | <b>74.434(a) (1)</b>                    |
| <input type="checkbox"/> On/off control of RF stage                          | <b>74.434(a) (2)</b>                    |
| <input type="checkbox"/> Protected against unauthorized operation            | <b>74.434(a) (3)</b>                    |
| <input type="checkbox"/> Operator under control of licensee                  | <b>74.468(a)</b>                        |