

CASE REPORT EB-06-DT-002

14.3 HRS Spent on 30N37

Utility Field:

Safety Confidential Congressional Unlicensed Source: CCMC

Suspense Date

Status **CLOSED**

Start Date 1/5/2006 Office DT HQ# Local# Logged by [REDACTED]

COMPLAINANT				SUBJECT			
Name [REDACTED]				[REDACTED]			
Company FAA SPECTRUM MANAGEMENT							
Address [REDACTED]							
City Chicago		IL		[REDACTED]		[REDACTED]	
Pri Phone [REDACTED]		Fax [REDACTED]		Pri Phone [REDACTED]		Fax [REDACTED]	
Alt Phone [REDACTED]				Alt Phone [REDACTED]			
Call Sign [REDACTED]		Freq 118.5500 MHz		Call Sign [REDACTED]		Freq [REDACTED] MHz	
Xmtr City Three Rivers		State MI		Twr# [REDACTED]		Lat [REDACTED] Long [REDACTED]	
Activity Enforcement - Interference Resolution ActCode 30N37				Rule Part GOV			
Project FAA Other				Action Plan Involved Military/Fed Agency			

GENERAL CASE DESCRIPTION

- Information Transfer Investigation HFDF Bearing Unlicensed
 Comm Prob Resolution Inspection Inquiry/Complaint Safety

C-Alt Contact

C-Alt Call or ID

S-Contacts [REDACTED] was also with his uncle at the time of the investigation.

Tower Owner

Other Site Info:

Problem IX to Southbend Indian approach/departure frequency 118.55 MHz from unknown source in [REDACTED] area.

RULE VIOLATIONS

WORK EVENTS

Event Date	Agent	Event Type	IN	OUT	Travel Cost	Problem Resolution
1/5/2006	[REDACTED]	OPEN	0.1	0.0	\$0.00	Received the following email: From: [REDACTED] Comm COMM-CTR Sent: Thursday, January 05, 2006 8:42 AM To: [REDACTED] EB-Chicago Cc: EB-CCMC; [REDACTED]; [REDACTED] Subject: FAA IX South Bend, IN 118.55 Chicago, IX to the FAA as discussed. Good Hunting. Detroit, FYI- it may fall within your AO.

V/R [REDACTED]

CASE REPORT EB-06-DT-002

CCMC Watch Officer
Comm Room Activity log Item:

Record #4843, Op Sine: DK, Date/Time: 01/05/06
08:36:28 EST

Report from:
Dr Nasir
Spectrum Manager
FAA Great Lakes Region

Phone: cell [REDACTED]

IX from 000|UNKNOWN OR OTHER|OTHER|
IX to G68|F.A.A.|US GOVT|

Referred to [REDACTED] of CG Chicago at [REDACTED]
Remarks:

[REDACTED] called in an electronic IX problem in Northern Indiana on the [REDACTED] approach/departure freq 118.55. For approx 2 months, periodic IX has been a nuisance on this freq and is hampering air traffic control communications. He believes the source is from the Three Rivers, MI area.

FCC Office of Homeland Security
Non-Public: For Internal Use Only

1/5/2006	[REDACTED]	ON SCENE	1.0	12.0	\$290.00	Received request for assistance in locating the source of ix. The FAA personnel originally thought they located the source at a house on [REDACTED]. They power company and cable company assisted. The power meter was pulled but the ix persisted. They took extra bearings while we were in route and located another possible source on [REDACTED]. We arrived at the [REDACTED] Rd. location and confirmed by DF that the source was located in the building. The owner lived in Indiana and used this as a summer home. The owner drove up from IN and permitted entry. A Radio Shack Indoor amplified UHF/VHF/FM antenna Cat. No. 15-1838 (rabbit ear type) was found to be the source. The owner took the antenna back to IN but indicated willingness to permit the FCC Lab to conduct tests on the antenna if the FCC Lab requested it. The owner indicated he will not use the device again.
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CASE REPORT EB-06-DT-002

1/6/2006	[REDACTED]	UPDATE	0.1	0.0	\$0.00	From: [REDACTED] Sent: Friday, January 06, 2006 1:50 PM To: [REDACTED] ac; [REDACTED] ter Cc: [REDACTED] Subject: FAA ix investigation Hi [REDACTED]
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The source was a Radio Shack indoor amplified UHF/VHF/FM antenna Cat No. 15-1838. Attached is the owners manual from the Radio Shack internet site.

[REDACTED]

*** Non-Public: For Internal Use Only ***

1/24/2006	[REDACTED]	UPDATE	0.7			Spoke to [REDACTED] and he said I had to clear with [REDACTED] to see if OET should request the antenna for testing.
-----------	------------	--------	-----	--	--	--

Spoke to [REDACTED] and she said she would have a meeting with OET and discuss it. She thought it was something that should be looked at.

10/18/2006	[REDACTED]	CLOSED	0.4			Never received any further guidance from HQ. No more ix reported. CLOSE CASE
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Totals Hours / Travel -			2.3	12.0	\$290.00	
-------------------------	--	--	-----	------	----------	--

1-5-06

Radio check powered
on HF/VHF/FM Amplified mode
OAT NO 15-1838

on HIGH Gain setting

S [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

cellphone [REDACTED]

[REDACTED] ALSO WITH HIS UNCLE

Terminated by \approx 6:25-6:30pm

1-24-06

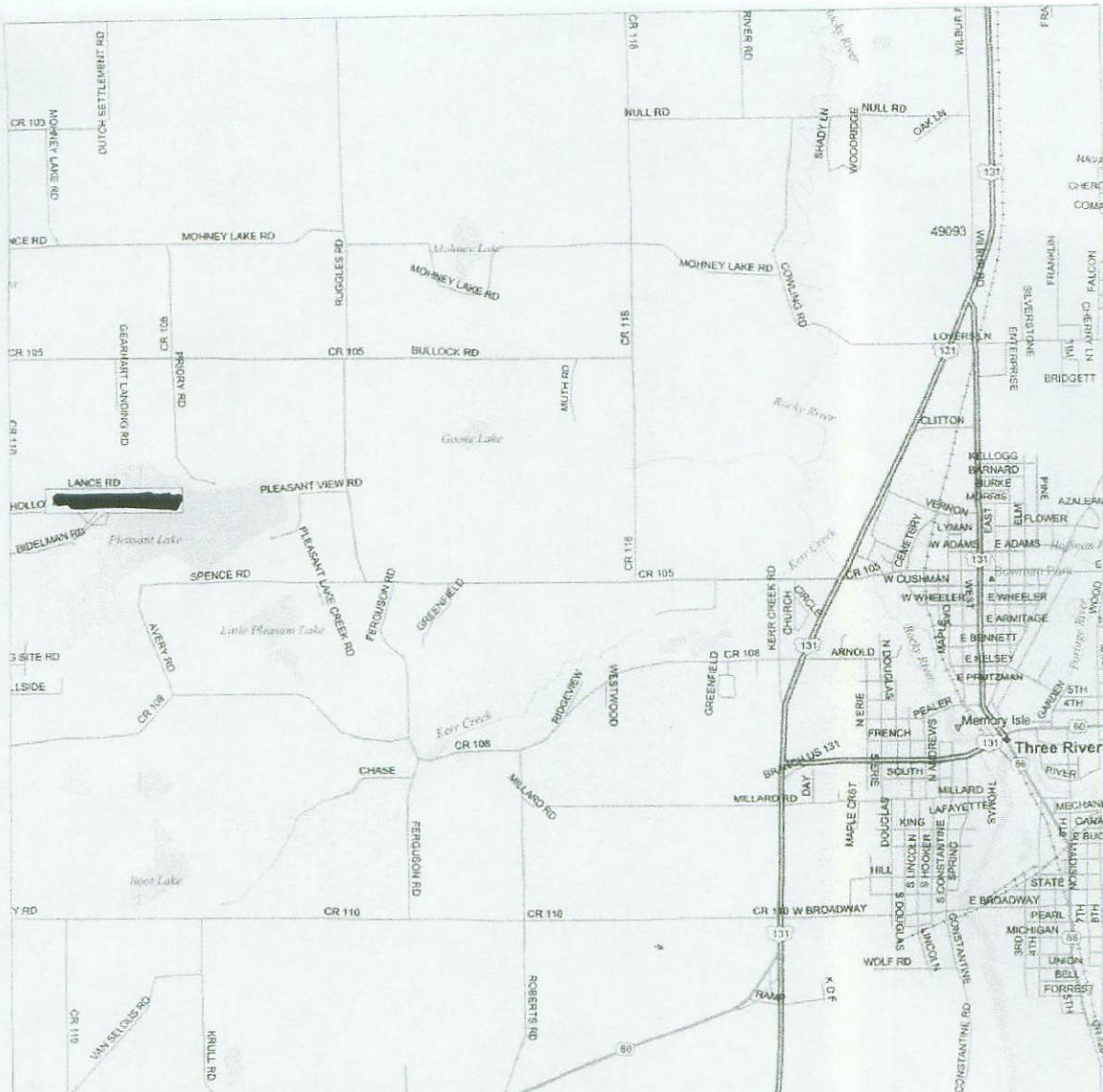
Spoke to [REDACTED] [REDACTED] She said
it was news to her that she had to approve it. She
will have a meeting with OET about other matters
(OET HQ) and she will discuss it. She thought I
could contact OET & see if they were interested.
She said since this was something that may be
common to a lot of devices & it affected FAA that
it should be looked at

[REDACTED]
10:35 AM

PS. told her I contacted [REDACTED]
& he said I had to clear thru [REDACTED].















[redacted] called
on 1-18-06 to see if
we asked for the amplifier
antenna. I told him no
but I would check with
BET. [redacted]
1-18-06

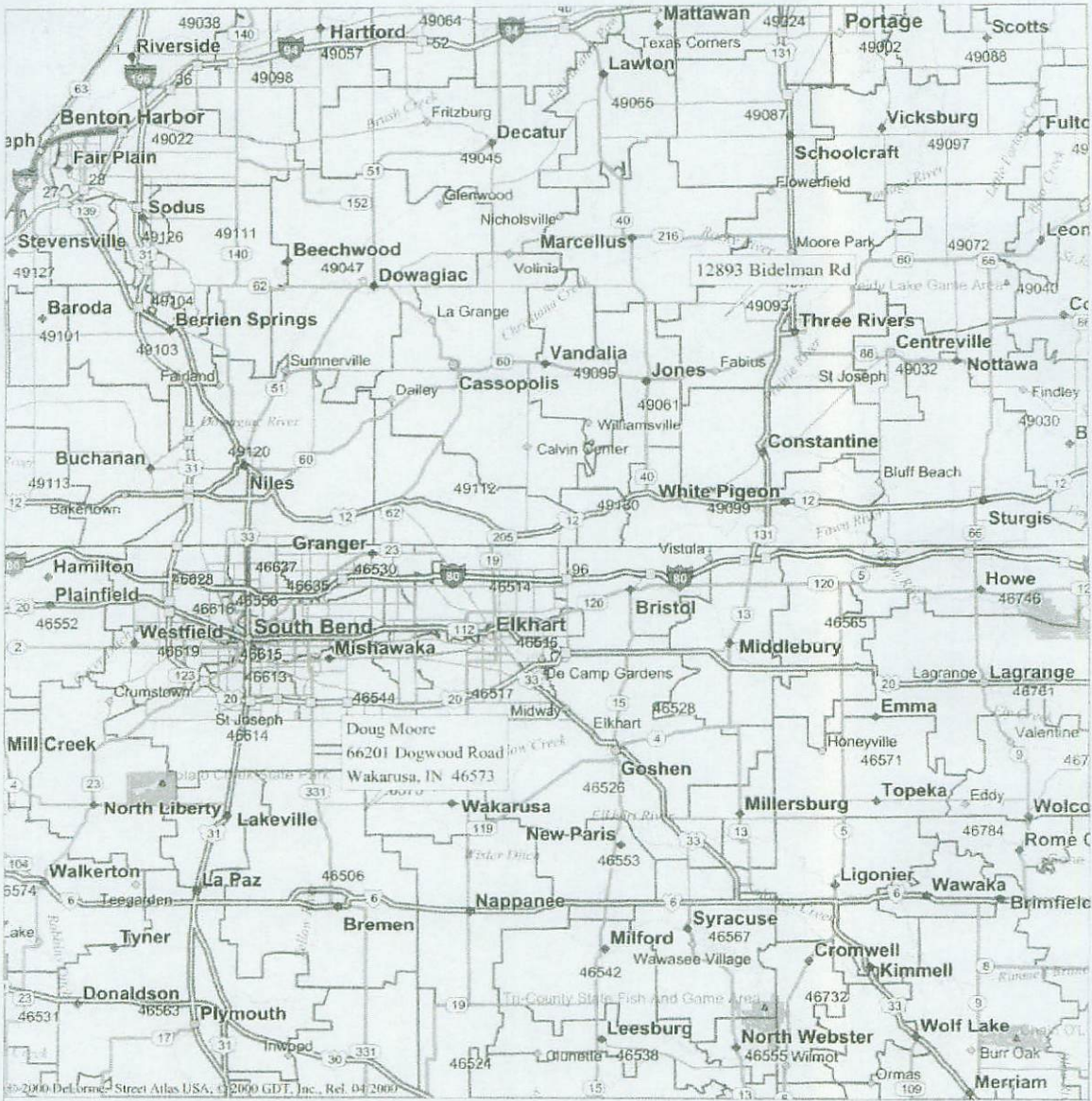
1-20-06
left voicemail msg
for [redacted]
[redacted]
[redacted] referred me to
[redacted]
[redacted] said contact
[redacted]
[redacted]
[redacted]



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Mag 14.00
 Tue Jan 10 15:37 2006
 Scale 1:37,500 (at center)
 2000 Feet
 1000 Meters

- | | | | |
|---|--------------------|---|--------------------|
|  | Local Road |  | Park/Reservation |
|  | Major Connector |  | Population Center |
|  | State Route |  | Water |
|  | Trail |  | Woodland |
|  | US Highway |  | River/Canal |
|  | Railroad |  | Intermittent River |
|  | Small Town | | |
|  | Geographic Feature | | |



Mag 10.00
 Tue Jan 10 15:44 2006
 Scale 1:500,000 (at center)
 10 Miles
 10 KM

- | | |
|-----------------------------|-------------------|
| Local Road | County Seat |
| Major Connector | Small Town |
| State Route | Large City |
| Interstate/Limited Access | Park/Reservation |
| Interstate/Unlimited Access | Locale |
| Toll Highway | City |
| US Highway | State Boundary |
| Exit | Population Center |



LAND MOBILE INVESTIGATION / OPERATIONS LOG (ver 1.1)

DATE: 1-5-06

SUBJECT	Call Sign:
SUBJECT'S ADDRESS	

SUBJECT'S COORDINATES	AUDIO TAPE ID:
-----------------------	----------------

DF LOCATION (stories, color, etc.)	FILM ID	DF MAP INFO (optional)
<u>500m E</u>	FRAME/PICTURE #:	MAP ID:
	FRAME/PICTURE #:	MAP ID:

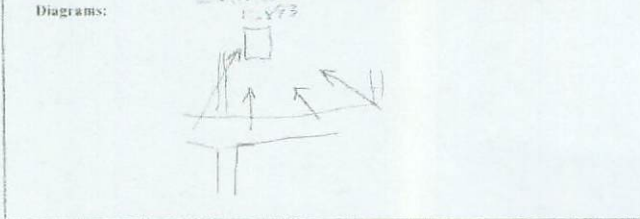
FUNDAMENTAL FREQUENCY <u>118.6346</u>	SPURIOUS FREQUENCIES:
---------------------------------------	-----------------------

TIME (Local)	APROX Tape REVS	NOTES AND DATA
		<u>NO TAPE SOUNDS LIKE VIDEO</u>
<u>5:53pm</u>		<u>POS DF to address above</u>
		<u>using Hand Held Analyzer. STRONGEST SIGNAL near window on back of house (lake side).</u>
		<u>Frequency shifted to 118.63004 as seen on analyzer</u>
		<u>AS ANALYZER ANT. got closer to window frequency shifted both on FCC + FAA equipment.</u>

1. DF SYSTEM CALIBRATED(circle): YES NO 2. DF COMPLETED(circle): YES NO

Number of Automobiles seen: _____ Description / Tag Numbers: _____ Building lights on? _____

Comments:



SIGNATURE: [REDACTED] BADGE #: [REDACTED]

SIGNATURE: _____ BADGE #: _____ PAGE 1 OF 1

1-5-06

[Handwritten scribbles]

~~any contact~~ ~~to contact~~ ~~Francis A.~~

45140

[REDACTED]

[REDACTED]

Deceased - 51

power company [REDACTED]
451, 2009 Francis A. Mo

[Handwritten mark]

2001 - 2003 -

[REDACTED]

INDIANA RESIDENCE - 304 -
35, 452

[REDACTED]

4801 mark

[REDACTED]

in base

[REDACTED]

FAA - [REDACTED]

[REDACTED]

118,6346

553pm Pos DT to Ant. or Garage or House behind

[REDACTED]

-cellphone-

[REDACTED]

[Handwritten mark]

118,63004 on ANAC

1-5-04

Radio Shack [redacted]
JHF, VHF / FM [redacted]
CAT NO 15-1858

on HIGH Gain setting

[redacted]

[redacted]

[redacted]

[redacted] 76573

cellphone [redacted]

[redacted] ALSO WITH HIS UNCLE

Terminated by \approx 6:25-6:30 PM

1-5-06

118,55

FAA

[Redacted]

[Redacted]

326 AV

Zeit above

- Solgen

telephone company

[Redacted]

I 94 W - 131 South schoederaff

[Redacted]

[Redacted]

(Swiss valley SKI Resort)

Just east Bus 131

hairpin turn

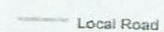
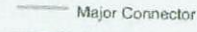
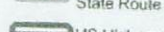
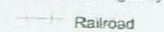
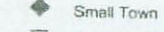
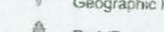


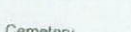


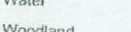
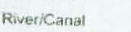

[Redacted]

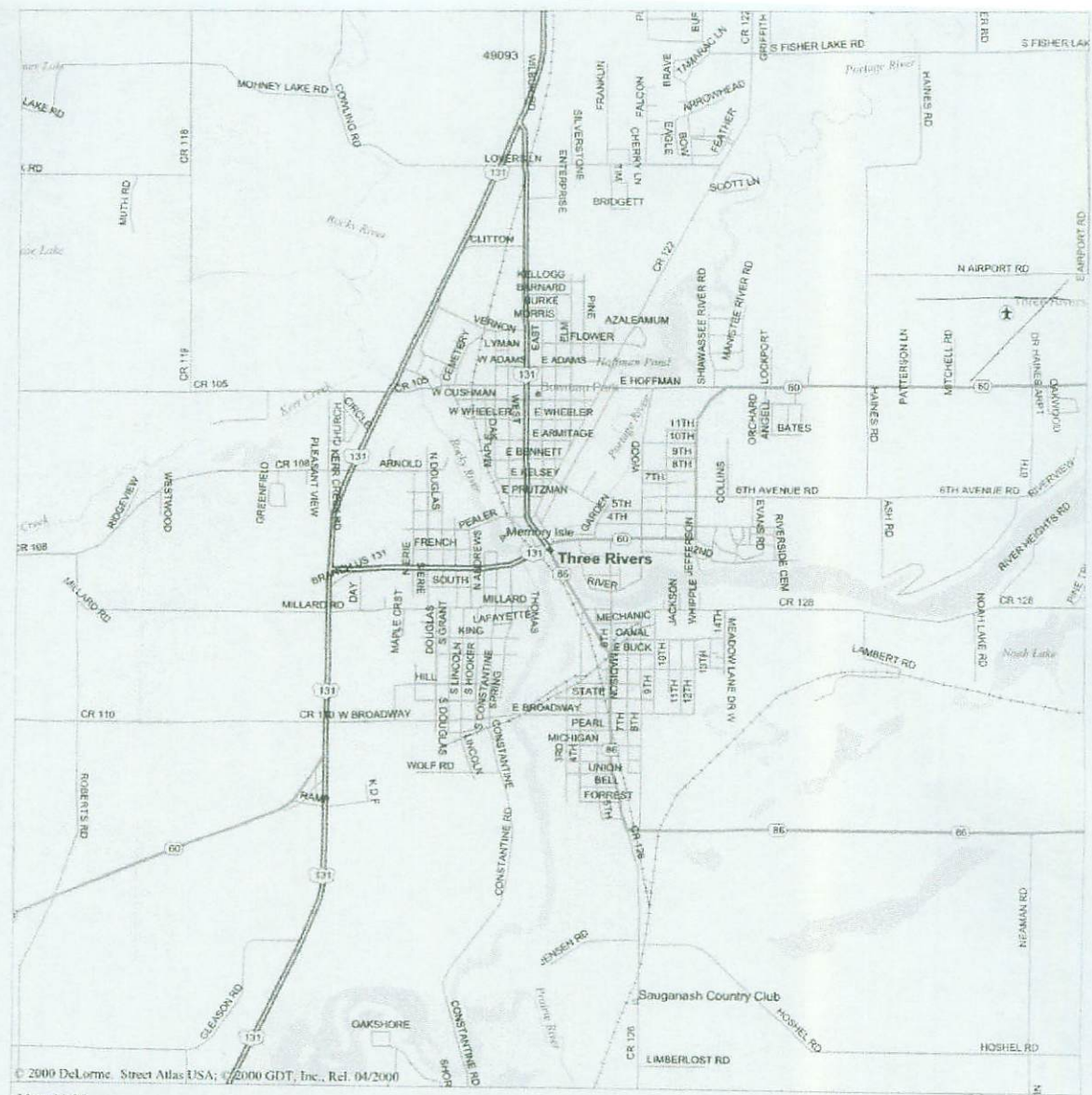
[Redacted]



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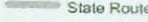

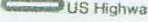



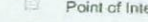

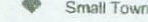

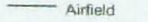

Mag 15.00
 Thu Jan 05 13:49 2006
 Scale 1:21,875 (at center)
 2000 Feet
 500 Meters

-  Local Road
-  Major Connector
-  State Route
-  US Highway
-  Railroad
-  Small Town
-  Geographic Feature
-  Park/Reservation
-  Cemetery
-  Population Center
-  Land
-  Water
-  Woodland
-  River/Canal



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Mag 14.00
 Thu Jan 05 13:48 2006
 Scale 1:37,500 (at center)
 2000 Feet
 1000 Meters

- | | | | |
|---|-------------------|---|--------------------|
|  | Local Road |  | Geographic Feature |
|  | Major Connector |  | Park/Reservation |
|  | State Route |  | Public Airport |
|  | US Highway |  | Cemetery |
|  | Railroad |  | Population Center |
|  | Point of Interest |  | Land |
|  | Small Town |  | Water |
|  | Airfield |  | Woodland |


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Amplified Indoor Antenna with High/Low Gain

\$29.99

Model: 15-1838

Catalog # 15-1838

 Online: Out of stock

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[Order online with peace of mind](#)
[Free shipping on orders of \\$50 or more.](#) [More details](#)

No mixed signals here.

This amplified indoor antenna clearly boosts signal by up to 15dB for better TV and FM reception. The high/low gain switch prevents overloading. Description Header: No mixed signals here.

- 12-position, fine-tuning control
- 360-degree UHF antenna movement

What's in the box

- Antenna
- Coaxial Cable
- AC adapter

[Read the owner's manual](#)
[See technical specifications](#)
[See Features of this product](#)

Shipping

Usually ships in 1 - 2 business days
[What shipping method is right for me?](#)

Other ways to get it

In store:
[Available at most stores, find it near you](#)

Customer reviews

[Add your own review](#)

Be the first to review this product

Pricing and availability: May vary outside the contiguous 48 United States

<http://www.radioshack.com/product/index.jsp?productId=2062076&cp=&kw=15-1838&parentPage=search>

1/6/2006

Need to back up a bit? Try looking in [Indoor](#).

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Amplified UHF/VHF/FM Indoor Antenna

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Amplified VHF/UHF/FM Indoor Antenna's design includes a UHF director/reflector for more precise UHF reception, telescoping antenna elements for clearer VHF/FM reception, and a fine tuning control. The built-in amplifier boosts the received signals to your TV or FM receiver for the best picture and sound.

Its features include:

Built-In Solid-State Amplifier — boosts the input signals by up to 30 times to deliver the best possible signal to your FM receiver or TV.

High/Low Gain Selector — lets you select the amount of amplification to match your available signal.

12-Position Fine Tuning Control — lets you precisely tune the antenna to help eliminate ghosting and graininess in the picture.

UHF Loop Antenna — lets you easily tilt the antenna 180° and rotate it 360° for the best receiving angle for UHF channels.

Highly Conductive VHF/FM Dipole Antennas — extend to 39 inches in length and swivel 360° for easy adjustment.

Warning: This antenna is for indoor use only.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

CONNECTIONS

The antenna connects to your TV or FM receiver using the supplied 75-ohm coaxial cable.

Follow these steps to connect the antenna's output to your TV (or FM receiver).

1. Place the antenna on top of the TV (or FM receiver) so it is close to the VHF terminal.

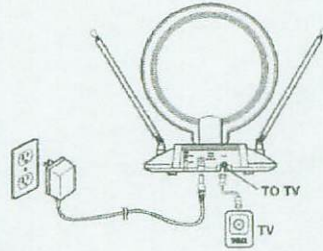


RadioShack

www.radioshack.com

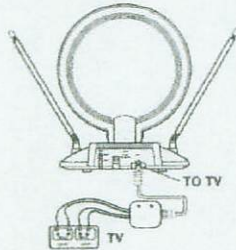
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used by RadioShack Corporation.

2. If your TV (or FM receiver) has an F-connector:



- Connect one end of the supplied coaxial cable to your TV (or FM receiver).
- Connect the other end of the cable to the antenna's TO TV jack.

If your TV set (or FM receiver) does not have an F-connector:



- Connect one end of the supplied coaxial cable to the F-connector in a transformer/splitter (not supplied).
- Connect the other end of the cable to the antenna's TO TV jack.
- Connect the transformer/splitter's brown 300-ohm twinlead to your TV's (or FM receiver's) VHF terminal screws.

- Connect the transformer/splitter's gold 300-ohm twinlead to your TV's (or FM receiver's) UHF terminal screws.

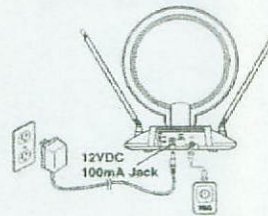
Cautions:



You must use a Class 2 power source that supplies 12V DC and delivers at least 100 mA. Its center tip must be set to positive and its plug must fit the antenna's 12VDC 100mA jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the antenna or the adapter.

- Always connect the AC adapter to the antenna before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the antenna.

- Insert the supplied AC adapter's small barrel plug into the 12VDC 100mA jack on the back of the antenna's base.



- Plug the AC adapter into a standard AC outlet.



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\$29.99



Amplified Indoor Antenna with High/Low Gain

Model: 15-1838 | Catalog #: 15-1838

Boosts signal by up to 15dB for better TV and FM reception.

Not rated yet

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Tech specs

General Features

Model	15-1838
Product Type	Other
Enclosure Color	BLACK
Body Material	Multi

Fits What

Model	15-1838
-------	---------

Miscellaneous Features

Cables Included	75 Ohm coaxial cable with F connectors supplied.
Supported Languages	English
Outputs	1 x "F" Plug(Ant)

Power Features

Power Device	12V adapter (supplied)
--------------	------------------------

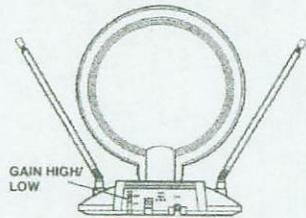
Battery Features

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OPERATION

1. Set **GAIN HIGH/LOW** on the back of the antenna's base to **HIGH** for weak or distant stations. The red indicator on top of the antenna's base lights to indicate that the antenna's amplifier has power.



Set **GAIN HIGH/LOW** to **LOW** for strong or nearby stations, or when you are not using the antenna. The red indicator on top of the antenna's base turns off to indicate that power to the antenna's amplifier is turned off.

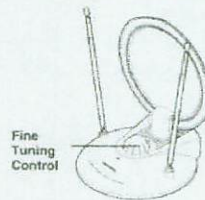
2. For the best VHF (Channels 2-13) and FM (88-108 MHz) reception:

- a. Extend the telescoping antenna elements as follows:

VHF/FM	Extend To
2-6	Full length
7-13	About half length
FM	About half length

- b. Adjust the antenna elements outward or inward and/or forward or backward for the best picture and sound.

- c. Turn the fine tuning control to one of the 12 positions for the best picture.



3. For the best UHF (Channels 14-69) reception, turn the UHF loop antenna left or right and tilt it forward or backward for the best picture and sound.

CARE

Keep the antenna dry; if it gets wet, wipe it dry immediately. Use and store the antenna only in normal temperature environments. Handle the antenna carefully; do not drop it. Keep the antenna away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the antenna's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your antenna is not performing as it should, take it to your local RadioShack store for assistance.

SPECIFICATIONS

Normal Gain	
UHF.....	0 dB
VHF (Ch 2-6).....	4 dB
VHF (Ch 7-13).....	8 dB
FM.....	8 dB
Boost Gain	
VHF, FM.....	15 dB
UHF.....	15 dB
Output Impedance.....	75 Ohm

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

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This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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