

# TV Broadcast Contours

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## Identification Information:

### Citation:

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**Title:** TV Broadcast Contours

**Geospatial Data Presentation Form:** vector digital data

**Online Linkage:** [HIFLD Open Data \(https://gii.dhs.gov/hifld/data/open\)](https://gii.dhs.gov/hifld/data/open)

**Online Linkage:** <https://www.fcc.gov/media/television/tv-service-contour-data-points>

**Online Linkage:** <https://www.fcc.gov/media/radio/general-info-fm-tv-maps-data>

**Online Linkage:** <http://fcc.gov/api/content.json>

### Description:

**Abstract:** This dataset represents the broadcast service contours for TV stations. In US broadcasting, a service contour(or protected contour) refers to the area in which the Federal Communications Commission(FCC) predicts coverage. The FCC calculates FM broadcasting and TV contours based on effective radiated power(ERP) in a given direction, the radial height above average terrain(HAAT) in a given direction, the FCC's propagation curves, and the station's class.

**Purpose:** This dataset serves as base information for use in GIS systems for general planning, analytical, and research purposes. It is not intended for engineering work or to legally define FCC licensee data or FCC market boundaries. The material in these data and text files are provided as-is. The FCC disclaims all warranties with regard to the contents of these files, including their fitness. In no event shall the FCC be liable for any special, indirect, or consequential damages whatsoever resulting from loss or use, data or profits, whether in connection with the use or performance of the contents of these files, action of contract, negligence, or other action arising out of, or in connection with the use of the contents of these files. It is known that there are some errors in the licensing information - Latitude, Longitude and Ground Elevation data as well as frequency assignment data from which these files were generated.

**Supplemental Information:** The following range and codeset field: DATE contains the value "N/A" as a valid value that denotes missing data that was not present in the source data. However, the missing data may be present in other sources not yet discovered and used in the creation and/or maintenance of this dataset. These records may be populated with valid information in future update cycles. If you are using this dataset as a shapefile, please be aware that it was converted from a Geodatabase. As a result, this shapefile may have attribution and metadata errors resulting from the conversion process. The following are known issues: null values may have been changed to 0s (zeros) or to blank values, numbers (including latitude and longitude) may have been rounded up or down, there may be issues with Unicode character strings, and time cannot be stored in a date field. Field names may have been truncated to no longer than 10 characters or completely changed, lengthy string attributes may have been truncated to 254 characters, and attribute columns may have been deleted. Shapefiles do not support coded domains and subtypes therefore the original file geodatabase attribution and metadata information for coded domains and subtypes could be incorrect or missing in the shapefile version. Please visit the following ESRI website for more information: <http://pro.arcgis.com/en/pro-app/tool-reference/appendices/geoprocessing-considerations-for-Shapefile-output.htm>

### Status:

**Progress:** Complete

**Maintenance and Update Frequency:** Unknown

**Spatial Domain:**

**Bounding Coordinates:**

**West Bounding Coordinate:** -176.67274

**East Bounding Coordinate:** 144.684314

**North Bounding Coordinate:** 71.321441

**South Bounding Coordinate:** -14.146949

**Keywords:**

**Theme:**

**Theme Keyword Thesaurus:** None

**Theme Keyword:** Federal Communications Commission

**Theme Keyword:** TV

**Theme Keyword:** Contours

**Theme Keyword:** Broadcast

**Theme Keyword:** FCC

**Theme Keyword:** Television

**Theme:**

**Theme Keyword Thesaurus:** ISO 19115 Topic Categories

**Theme Keyword:** utilitiesCommunication

**Place:**

**Place Keyword Thesaurus:** None

**Place Keyword:** Northern Marianas

**Place Keyword:** American Samoa

**Place Keyword:** US Virgin Islands

**Place Keyword:** Puerto Rico

**Place Keyword:** CONUS

**Place Keyword:** Hawaii

**Place Keyword:** Alaska

**Place Keyword:** Guam

**Access Constraints:** Access Constraint: None (Public Domain Information)

**Use Constraints:** Use Constraint: None (Public Use)

**Point of Contact:**

**Contact Information:**

**Contact Organization Primary:**

**Contact Organization:** Federal Communications Commission (FCC)

**Contact Position:** Senior Engineer

**Data Quality Information:**

**Lineage:**

**Process Step:**

**Process Description:**

Updated blank attributes to 'N/A' in the PURPOSE, APP\_STATUS, DATE, FAC\_STATUS, DATE0, and STATUS fields. Enumerated domain values for 'N/A' added to those fields. Repaired self-intersections on 'ARN = 19830315IA' and 'ARN = 19891117JH'. Select attribution in the PREFIX, LICENSEE, and CITY fields were standardized.

**Process Contact:**

**Contact Information:**

**Contact Organization Primary:**

**Contact Organization:** HIFLD Support Team

**Entity and Attribute Information:**

**Detailed Description:**

**Entity Type:**

**Entity Type Label:** TV Broadcast Contours

**Entity Type Definition Source:** FCC

**Attribute:**

**Attribute Label:** FAC\_STATUS

**Attribute Definition:** Facility Status

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** N/A

**Enumerated Domain Value Definition:** Not Available; Denotes missing data that was not present in the source data. However, the missing data may be present in other sources not yet discovered and used in the creation and/or maintenance of this dataset. These records may be populated with valid information in future update cycles.

**Enumerated Domain Value Definition Source:** HIFLD Support Team

**Attribute:**

**Attribute Label:** ARN

**Attribute Definition:** ARN

**Attribute Definition Source:** FCC

**Attribute:**

**Attribute Label:** OBJECTID

**Attribute Definition:** Internal feature number.

**Attribute Definition Source:** ESRI

**Attribute Domain Values:**

**Unrepresentable Domain:** Sequential unique whole numbers that are automatically generated.

**Attribute:**

**Attribute Label:** Shape\_Length

**Attribute Definition:** Length of feature in internal units.

**Attribute Definition Source:** ESRI

**Attribute Domain Values:**

**Unrepresentable Domain:** Positive real numbers that are automatically generated.

**Attribute:**

**Attribute Label:** ID0

**Attribute Definition:** ID0

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Range Domain:**

**Range Domain Minimum:** 43

**Range Domain Maximum:** 166512

**Attribute:**

**Attribute Label:** LICENSEE

**Attribute Definition:** Licensee

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Unrepresentable Domain:** License holders for the TV broadcast station.

**Attribute:**

**Attribute Label:** DATE

**Attribute:**

**Attribute Label:** CONTOUR

**Attribute Definition:** Contour

**Attribute Definition Source:** FCC

**Attribute:**

**Attribute Label:** CITY  
**Attribute Definition:** City  
**Attribute Definition Source:** FCC  
**Attribute:**  
**Attribute Label:** Shape\_Area  
**Attribute Definition:** Area of feature in internal units squared.  
**Attribute Definition Source:** ESRI  
**Attribute Domain Values:**  
**Unrepresentable Domain:** Positive real numbers that are automatically generated.  
**Attribute:**  
**Attribute Label:** CHANNEL  
**Attribute Definition:** Channel  
**Attribute Definition Source:** FCC  
**Attribute Domain Values:**  
**Range Domain:**  
**Range Domain Minimum:** 2  
**Range Domain Maximum:** 69  
**Attribute:**  
**Attribute Label:** STATE  
**Attribute Definition:** State  
**Attribute Definition Source:** FCC  
**Attribute Domain Values:**  
**Codeset Domain:**  
**Codeset Name:** Two-Letter State and Possession Abbreviations  
**Codeset Source:** USPS  
**Attribute:**  
**Attribute Label:** APP\_STATUS  
**Attribute Definition:** Applicaiton Status  
**Attribute Definition Source:** FCC  
**Attribute Domain Values:**  
**Enumerated Domain:**  
**Enumerated Domain Value:** N/A  
**Enumerated Domain Value Definition:** Not Available; Denotes missing data that was not present in the source data. However, the missing data may be present in other sources not yet discovered and used in the creation and/or maintenance of this dataset. These records may be populated with valid information in future update cycles.  
**Enumerated Domain Value Definition Source:** HIFLD Support Team  
**Attribute:**  
**Attribute Label:** DATE0  
**Attribute Definition:** Date0  
**Attribute Definition Source:** FCC  
**Attribute Domain Values:**  
**Enumerated Domain:**  
**Enumerated Domain Value:** N/A  
**Enumerated Domain Value Definition:** Not Available; Denotes missing data that was not present in the source data. However, the missing data may be present in other sources not yet discovered and used in the creation and/or maintenance of this dataset. These records may be populated with valid information in future update cycles.  
**Enumerated Domain Value Definition Source:** HIFLD Support Team  
**Attribute:**  
**Attribute Label:** PURPOSE

**Attribute Definition:** Purpose

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** N/A

**Enumerated Domain Value Definition:** Not Available; Denotes missing data that was not present in the source data. However, the missing data may be present in other sources not yet discovered and used in the creation and/or maintenance of this dataset. These records may be populated with valid information in future update cycles.

**Enumerated Domain Value Definition Source:** HIFLD Support Team

**Attribute:**

**Attribute Label:** Shape

**Attribute Definition:** Feature geometry.

**Attribute Definition Source:** ESRI

**Attribute Domain Values:**

**Unrepresentable Domain:** Coordinates defining the features.

**Attribute:**

**Attribute Label:** CALL

**Attribute Definition:** Callsign

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Unrepresentable Domain:** FCC Call Signs

**Attribute:**

**Attribute Label:** SERVICE

**Attribute Definition:** Service

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** DT

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** LP

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** DR

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** TV

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** TB

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** CA

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** DS

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** TX

**Enumerated Domain Value Definition Source:** FCC

**Attribute:**

**Attribute Label:** LON

**Attribute Definition:** Longitude

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Range Domain:**

**Range Domain Minimum:** -176.64194

**Range Domain Maximum:** 144.28362

**Attribute:**

**Attribute Label:** PREFIX

**Attribute Definition:** Prefix

**Attribute Definition Source:** FCC

**Attribute:**

**Attribute Label:** LAT

**Attribute Definition:** Latitude

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Range Domain:**

**Range Domain Minimum:** -13.6775

**Range Domain Maximum:** 71.29222

**Attribute:**

**Attribute Label:** ID

**Attribute Definition:** ID

**Attribute Definition Source:** FCC

**Attribute:**

**Attribute Label:** STATUS

**Attribute Definition:** Status

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** APP

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** GRA

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** LIC

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** DEL

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** CP

**Enumerated Domain Value Definition Source:** FCC

**Enumerated Domain:**

**Enumerated Domain Value:** N/A

**Enumerated Domain Value Definition:** Not Available; Denotes missing data that was not present in the source data. However, the missing data may be present in other sources not yet discovered and used in the creation and/or maintenance of this dataset. These records may be populated with valid information in future update cycles.

**Enumerated Domain Value Definition Source:** HIFLD Support Team

**Enumerated Domain:**

**Enumerated Domain Value:** STA

**Enumerated Domain Value Definition Source:** FCC

**Distribution Information:**

**Distributor:**

**Contact Information:**

**Contact Organization Primary:**

**Contact Organization:** FCC

**Contact Electronic Mail Address:** [N/A](#)

**Distribution Liability:** Distributor assumes no liability for misuse of data.

**Standard Order Process:**

**Digital Form:**

**Digital Transfer Information:**

**Format Name:** Vector Digital Data Set (Polygon)

**Fees:** None. No fees are applicable for obtaining the data set.

**Metadata Reference Information:**

**Metadata Review Date:** 2015-02-25

**Metadata Contact:**

**Contact Information:**

**Contact Organization Primary:**

**Contact Organization:** Federal Communications Commission (FCC)

**Contact Position:** Senior Engineer

**Metadata Standard Name:** FGDC Content Standard for Digital Geospatial Metadata

**Metadata Standard Version:** FGDC-STD-001-1998

**Metadata Time Convention:** local time