

FM Transmission Towers

Identification Information:

Citation:

Citation Information:

Title: FM Transmission Towers

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: <http://fcc.gov/api/content.json>

Description:

Abstract: FM transmission tower locations as recorded by the Federal Communications Commission, extracted from the FCC Licensing Database.

Purpose: This dataset represents FM transmission tower locations as recorded by the Federal Communications Commission. Serve 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 know 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: Caution should be exercised by the user of this feature class. This feature class does not contain fields of attribution for MEDS attributes of ADDRESS, ZIP, ZIP+4, COUNTY, TELEPHONE (non-PII general switchboard phone number), and COUNTY FIPS, nor does it contain other attributes to indicate tower height, tower type, whether the tower is on a building, or the tower registration number. Examination of the data also reveals uncertainty about the locational information; does the value in the CITY field represent the city where the transmitter is located or the city where the licensee is located. This uncertainty produces out-of-area results, or mismatches between CITY and the geographic coordinates of the actual point of the feature. 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>

Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20120614

Currentness Reference: publication date

Status:

Progress: Complete

Maintenance and Update Frequency: Daily

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -170.76886

East Bounding Coordinate: 145.7417

North Bounding Coordinate: 71.291089

South Bounding Coordinate: -14.3494

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: towers

Theme Keyword: FCC

Theme Keyword: FM

Theme Keyword: transmission

Place:

Place Keyword Thesaurus: None

Place Keyword: Northern Marianas

Place Keyword: United States

Place Keyword: American Samoa

Place Keyword: Puerto Rico

Place Keyword: CONUS

Place Keyword: U.S. Virgin Islands

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:

Changed the LATDD/LONGDD for all entries by adding the appropriate negative (-) sign to those in the western and southern hemispheres, and positive to those in the eastern and northern hemispheres -- these points were then moved to the correctly attributed coordinates. Removed "etc" and secondary cities if the entry listed two from the CITY attribute column. Standardized abbreviations and spelling in the LICENSEE field. Updated the blank value in the STATE field to the actual value of 'MN'. Populated '-' entries with NA within the CLASS attribute column. Added 'NA' enumerated domain value to the CLASS attribute metadata.

Process Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: HIFLD Support Team

Spatial Data Organization Information:

Point and Vector Object Information:

SDTS Terms Description:

Point and Vector Object Count: 19212

Entity and Attribute Information:

Detailed Description:

Entity Type:

Entity Type Label: FM_TransTowers

Entity Type Definition Source: FCC

Attribute:

Attribute Label: CITY

Attribute Definition: City

Attribute Definition Source: FCC

Attribute Domain Values:

Unrepresentable Domain: This field contains text values that are unrepresentable as other domain types.

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: STATUS

Attribute Definition: STATUS

Attribute Definition Source: FCC

Attribute:

Attribute Label: LAT

Attribute Definition: Latitude

Attribute Definition Source: FCC

Attribute Domain Values:

Unrepresentable Domain: This field contains text values that are unrepresentable as other domain types.

Attribute:

Attribute Label: LICENSEE

Attribute Definition: Licensee

Attribute Definition Source: FCC

Attribute Domain Values:

Unrepresentable Domain: This field contains text values that are unrepresentable as other domain types.

Attribute:

Attribute Label: LATDD

Attribute Definition: Latitude (Decimal Degrees)

Attribute Definition Source: FCC

Attribute Domain Values:

Range Domain:

Range Domain Minimum: -14.3494

Range Domain Maximum: 71.2914

Attribute Units of Measure: Decimal Degrees

Attribute:

Attribute Label: FILENUM

Attribute Definition: File Number

Attribute Definition Source: FCC

Attribute Domain Values:

Unrepresentable Domain: This field contains text values that are unrepresentable as other domain types.

Attribute:

Attribute Label: LONDD

Attribute Definition: Longitude (Decimal Degrees)

Attribute Definition Source: FCC

Attribute Domain Values:

Range Domain:

Range Domain Minimum: -170.7674

Range Domain Maximum: 145.7417

Attribute Units of Measure: Decimal Degrees

Attribute:

Attribute Label: FACID

Attribute Definition: Facility ID

Attribute Definition Source: FCC

Attribute Domain Values:

Range Domain:

Range Domain Minimum: 1

Range Domain Maximum: 190350

Attribute:

Attribute Label: COUNTRY

Attribute Definition: Country

Attribute Definition Source: National System for Geospatial Intelligence (NSG) Standards Registry (<https://nsgreg.nga.mil/genc/discovery>)

Attribute Domain Values:

Codeset Domain:

Codeset Name: Geopolitical Entities, Names, and Codes (GENC) Standard

Codeset Source: National System for Geospatial Intelligence (NSG) Standards Registry (<https://nsgreg.nga.mil/genc/discovery>)

Attribute:

Attribute Label: CLASS

Attribute Definition: Class Station Code

Attribute Definition Source: FCC. Definition for "NA" added by HIFLD Support Team

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: C0

Enumerated Domain:

Enumerated Domain Value: CC

Enumerated Domain:

Enumerated Domain Value: L1

Enumerated Domain:

Enumerated Domain Value: NA

Enumerated Domain Value Definition: 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: A

Enumerated Domain:

Enumerated Domain Value: B

Enumerated Domain:

Enumerated Domain Value: B1

Enumerated Domain:

Enumerated Domain Value: C2

Enumerated Domain:

Enumerated Domain Value: C

Enumerated Domain:

Enumerated Domain Value: C1

Enumerated Domain:

Enumerated Domain Value: C3

Enumerated Domain:

Enumerated Domain Value: D

Attribute:

Attribute Label: Shape

Attribute Definition: Feature geometry.

Attribute Definition Source: ESRI

Attribute Domain Values:

Unrepresentable Domain: Coordinates defining the features.

Attribute:

Attribute Label: STATE

Attribute Definition: State

Attribute Definition Source: United States Postal Service (<https://www.usps.com>)

Attribute Domain Values:

Codeset Domain:

Codeset Name: Two-Letter State and Possession Abbreviations

Codeset Source: United States Postal Service (<https://www.usps.com>)

Attribute:

Attribute Label: LON

Attribute Definition: Longitude

Attribute Definition Source: FCC

Attribute Domain Values:

Unrepresentable Domain: This field contains text values that are unrepresentable as other domain types.

Attribute:

Attribute Label: CALLSIGN

Attribute Definition: Callsign

Attribute Definition Source: FCC

Attribute Domain Values:

Unrepresentable Domain: This field contains text values that are unrepresentable as other domain types.

Attribute:

Attribute Label: SERVICE

Attribute Definition: Service Code

Attribute Definition Source: FCC

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: FM

Enumerated Domain:

Enumerated Domain Value: FL

Enumerated Domain:

Enumerated Domain Value: FS

Enumerated Domain:

Enumerated Domain Value: FX

Enumerated Domain:

Enumerated Domain Value: FB

Attribute:

Attribute Label: FREQUENCY

Attribute Definition: Frequency

Attribute Definition Source: FCC

Attribute Domain Values:

Range Domain:

Range Domain Minimum: 87.9

Range Domain Maximum: 107.9

Attribute Units of Measure: MHz

Distribution Information:

Distributor:

Contact Information:

Contact Organization Primary:

Contact Organization: Federal Communications Commission (FCC)

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

Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name: Vector Digital Data Set (Point)

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

Metadata Reference Information:

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