

AM Transmission Towers

Identification Information:

Citation:

Citation Information:

Title: AM Transmission Towers

Geospatial Data Presentation Form: vector digital data (point)

Online Linkage: <https://www.fcc.gov/general/maps>

Online Linkage: HIFLD Open Data (<https://gii.dhs.gov/hifld/data/open>)

Description:

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

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: Caution should be exercised by the user of this feature class. This feature class does not contain fields or 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>

Status:

Progress: Complete

Keywords:

Theme:

Theme Keyword Thesaurus: None

Theme Keyword: Transmission Towers

Theme Keyword: Communications

Theme Keyword: AM

Theme:

Theme Keyword Thesaurus: ISO 19115 Topic Categories

Theme Keyword: utilitiesCommunication

Place:

Place Keyword Thesaurus: None

Place Keyword: Continental United States

Place Keyword: Puerto Rico

Place Keyword: U.S. Virgin Islands

Place Keyword: American Samoa

Place Keyword: Hawaii

Place Keyword: Northern Marianas

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)

Data Quality Information:

Lineage:

Process Step:

Process Description:

Moved some points in American Samoa, Guam, and the Northern Marian islands to their correct locations. They were in the wrong location because the Lat/Long listed did not correctly delineate which hemisphere they were in. Spelled out acronyms, corrected spelling, and in general standardized the following fields: FILENUM, LICENSEE, CITY, LATDD, LONDD.

Process Contact:

Contact Information:

Contact Person Primary:

Contact Person: HIFLD Support Team

Entity and Attribute Information:

Detailed Description:

Entity Type:

Entity Type Label: AM Transmission Towers

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 Domain Values:

Enumerated Domain:

Enumerated Domain Value: LIC

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: -14.3578

Range Domain Maximum: 71.2567

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: -170.7767

Range Domain Maximum: 145.7144

Attribute Units of Measure: Decimal Degrees

Attribute:

Attribute Label: FACID

Attribute Definition: Facility ID

Attribute Definition Source: FCC

Attribute Domain Values:

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

Attribute:

Attribute Label: COUNTRY

Attribute Definition: Country

Attribute Definition Source: FCC

Attribute:

Attribute Label: CLASS

Attribute Definition: Class Station Code

Attribute Definition Source: FCC

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: C

Enumerated Domain Value Definition: A Class C station is an unlimited time station that operates on a local channel. The power shall not be less than 0.25 kW nor more than 1 kW. Class C stations that are licensed to operate with 0.100 kW may continue to operate as licensed.

Enumerated Domain Value Definition Source: FCC

Enumerated Domain:

Enumerated Domain Value: -

Enumerated Domain Value Definition: Unavailable.

Enumerated Domain Value Definition Source: FCC

Enumerated Domain:

Enumerated Domain Value: D

Enumerated Domain Value Definition: A Class D station operates either daytime, limited time, or unlimited time with a nighttime power less than 0.250 kW and an equivalent RMS antenna field less than 141 mV/m at 1 km for the actual power. Class D stations shall operate with daytime powers not less than 0.250 kW nor more than 50 kW. NOTE: If a station is an existing daytime-only station, its class will be Class D.

Enumerated Domain Value Definition Source: FCC

Enumerated Domain:

Enumerated Domain Value: B

Enumerated Domain Value Definition: A Class B station is an unlimited time station. Class B stations are authorized to operate with a minimum power of 0.250 kW (250 watts) and a maximum power of 50 kW. (If a Class B station operates with less than 0.250 kW, the RMS must be equal to or greater than 141 mV/m at 1 km for the actual power.) If the station is authorized to operate in the expanded band (1610 to 1700 kHz), the maximum power is 10 kW.

Enumerated Domain Value Definition Source: FCC

Enumerated Domain:

Enumerated Domain Value: A

Enumerated Domain Value Definition: A Class A station is an unlimited time station (that is, it can broadcast 24 hours per day) that operates on a clear channel. The operating power shall not be less than 10 kilowatts (kW) or more than 50 kW.

Enumerated Domain Value Definition Source: FCC

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 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: AM

Attribute:

Attribute Label: FREQUENCY

Attribute Definition: Broadcast frequency, in kHz.

Attribute Definition Source: FCC

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)

Metadata Standard Name: FGDC Content Standard for Digital Geospatial Metadata

Metadata Standard Version: FGDC-STD-001-1998

Metadata Time Convention: local time