

# Land Mobile Commercial Transmission Towers

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## Identification Information:

### Citation:

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**Title:** Land Mobile Commercial Transmission Towers

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

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

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

### Description:

**Abstract:** This dataset represents Land Mobile Commercial transmission tower locations as recorded by the Federal Communications Commission, extracted from the FCC Licensing Database. This 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 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.

**Purpose:** This dataset represents Land Mobile Commercial transmission tower locations as recorded by the Federal Communications Commission, extracted from the FCC Licensing Database.

**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 ZIP, ZIP+4, TELEPHONE (non-PII general switchboard phone number), and COUNTY FIPS. The following fields are only partially populated with actual values beyond "NOT AVAILABLE" (or blank): QZONE: 1% (this is likely a correct population of the value, but this cannot be adequately determined on the lack of adequate explanation in the metadata), TOWREG: 20%, STRUCTYPE: 84%, NEPA: 61%. LOCADD information is largely directional or locational, rather than an actual address. This layer also includes 11 records that appear to have erroneous locations in the Atlantic Ocean and Pacific Ocean.

### Status:

**Progress:** Complete

**Maintenance and Update Frequency:** Daily

**Spatial Domain:**

**Bounding Coordinates:**

**West Bounding Coordinate:** -166.513889

**East Bounding Coordinate:** 145.8075

**North Bounding Coordinate:** 70.487222

**South Bounding Coordinate:** 13.278889

**Keywords:**

**Theme:**

**Theme Keyword Thesaurus:** None

**Theme Keyword:** Mobile

**Theme Keyword:** FCC

**Theme Keyword:** Commercial

**Theme Keyword:** Transmission

**Theme Keyword:** Land

**Theme Keyword:** Tower

**Theme Keyword:** Licensing Database

**Place:**

**Place Keyword Thesaurus:** None

**Place Keyword:** Puerto Rico

**Place Keyword:** Hawaii

**Place Keyword:** Northern Marianas

**Place Keyword:** US Virgin Islands

**Place Keyword:** Alaska

**Place Keyword:** CONUS

**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:**

Updated the locations of four points by updating incorrect negative sign information. Standardized letter casing, fixed spelling, and removed included states in the LOCCITY field. Standardized letter casing, abbreviations and punctuation in the LICENSEE field.

Standardized letter casing, spelling, abbreviations and punctuation in the LOCSTATE, LOCADD, LOCCOUNTY, and LOCCITY field. Updated incorrect entries in the LATDIR and LONDIR fields. Standardized capitalization in the STRUCTYPE field. Updated blank attributes in the LOCCOUNTY field to 'NOT AVAILABLE'. Updated blank attributes in the LOCADD field to 'Not Available'. Updated blank attributes in the QZONE, STRUCTYPE and TOWREG fields with 'N/A' due to character restrictions. Updated Gulf of Mexico entries in the LOCCOUNTY field to 'NONE'. PII removed from 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:** 54018

**Entity and Attribute Information:**

**Detailed Description:**

**Entity Type:**

**Entity Type Label:** Land Mobile Commercial Transmission Towers

**Entity Type Definition Source:** FCC

**Attribute:**

**Attribute Label:** LONDIR

**Attribute Definition:** Longitude Direction (1=positive, -1 = negative)

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** E

**Enumerated Domain:**

**Enumerated Domain Value:** W

**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:** TOWREG

**Attribute Definition:** Tower Registration Number

**Attribute Definition Source:** FCC. Definition for "N/A" added by HIFLD Support Team.

**Attribute Domain Values:**

**Unrepresentable Domain:** This field contains text values that are unrepresentable as other domain types. N/A; 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.

**Attribute:**

**Attribute Label:** SUPSTRUC

**Attribute Definition:** Supporting Structure

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Range Domain:**

**Range Domain Minimum:** -6.1

**Range Domain Maximum:** 625

**Attribute Units of Measure:** Meters

**Attribute:**

**Attribute Label:** LAT\_DMS

**Attribute Definition:** Latitude (Degrees, Minutes, Seconds)

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

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

**Attribute:**

**Attribute Label:** NEPA

**Attribute Definition:** National Environmental Policy Act (Y/N)

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** N

**Enumerated Domain:**

**Enumerated Domain Value:** Y

**Attribute:**

**Attribute Label:** LIC\_ID

**Attribute Definition:** License 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:** Shape

**Attribute Definition:** Feature geometry.

**Attribute Definition Source:** ESRI

**Attribute Domain Values:**

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

**Attribute:**

**Attribute Label:** LATDIR

**Attribute Definition:** Latitude Direction (1=positive, -1 = negative)

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** N

**Attribute:**

**Attribute Label:** LOCCOUNTY

**Attribute Definition:** Location County or Municipio (PR only)

**Attribute Definition Source:** FCC. Definitions for "NOT AVAILABLE" and "NONE" added by HIFLD Support Team

**Attribute Domain Values:**

**Unrepresentable Domain:** This field contains text values that are unrepresentable as other domain types. 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. NONE; Denotes counties for Gulf of Mexico sites, where counties do not exist.

**Attribute:**

**Attribute Label:** LOCADD

**Attribute Definition:** Location Address

**Attribute Definition Source:** FCC. Definition for "Not Available" added by HIFLD Support Team.

**Attribute Domain Values:**

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

**Attribute:**

**Attribute Label:** ALLSTRUC

**Attribute Definition:** All Structure Height (m)

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Range Domain:**

**Range Domain Minimum:** -6.1

**Range Domain Maximum:** 4206

**Attribute Units of Measure:** Meters

**Attribute:**

**Attribute Label:** QZONE

**Attribute Definition:** Q Zone

**Attribute Definition Source:** FCC. Definition for "N/A" added by HIFLD Support Team.

**Attribute Domain Values:**

**Unrepresentable Domain:** This field contains text values that are unrepresentable as other domain types. N/A; 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.

**Attribute:**

**Attribute Label:** LOCCITY

**Attribute Definition:** Location 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:** STRUCTYPE

**Attribute Definition:** Structure Type

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Enumerated Domain:**

**Enumerated Domain Value:** BMAST

**Enumerated Domain:**

**Enumerated Domain Value:** BRIDG

**Enumerated Domain:**

**Enumerated Domain Value:** TANK

**Enumerated Domain:**

**Enumerated Domain Value:** BANT

**Enumerated Domain:**

**Enumerated Domain Value:** B

**Enumerated Domain:**

**Enumerated Domain Value:** BTWR

**Enumerated Domain:**

**Enumerated Domain Value:** BPOLE

**Enumerated Domain:**

**Enumerated Domain Value:** POLE

**Enumerated Domain:**

**Enumerated Domain Value:** BPIPE

**Enumerated Domain:**

**Enumerated Domain Value:** NNTANN

**Enumerated Domain:**

**Enumerated Domain Value:** MAST

**Enumerated Domain:**

**Enumerated Domain Value:** STACK

**Enumerated Domain:**

**Enumerated Domain Value:** SIGN

**Enumerated Domain:**

**Enumerated Domain Value:** NTOWER

**Enumerated Domain:**

**Enumerated Domain Value:** UPOLE

**Enumerated Domain:**

**Enumerated Domain Value:** SILO

**Enumerated Domain:**

**Enumerated Domain Value:** TOWER

**Enumerated Domain:**

**Enumerated Domain Value:** TREE

**Enumerated Domain:**

**Enumerated Domain Value:** N/A

**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:** PIPE

**Enumerated Domain:**

**Enumerated Domain Value:** OTHER

**Enumerated Domain:**

**Enumerated Domain Value:** RIG

**Attribute:**

**Attribute Label:** LOCSTATE

**Attribute Definition:** Location State. 'GM' represents Gulf of Mexico.

**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:** 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:** 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:** LON\_DMS

**Attribute Definition:** Longitude (Degrees, Minutes, Seconds)

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

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

**Attribute:**

**Attribute Label:** LOCNUM

**Attribute Definition:** Location Number

**Attribute Definition Source:** FCC

**Attribute Domain Values:**

**Range Domain:**

**Range Domain Minimum:** 1

**Range Domain Maximum:** 32

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

**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