

PerCon Corporation

FCC Database Server API Specification

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Description

The PerCon DataLinks search allows for an HTTP type user interface. The command line is made up of 2 parts, the link and the query. They are separated by the '?'.

The link is always: http://datalinks.perconcorp.com/fcc_api.fwx

The query can change based on the search parameters. EX: callsign="KEM430"&key="00000000"

Key or ID/PW combination required

The '?' is required and '&' is used as the delimiter between search parameters.

Note: Ensure that any invalid or special characters are not included in any URL. This will cause incorrect passing of parameters.

All search parameters or values must be uppercase.

All parameters are considered strings.

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="database"&callsign="value"&key="key"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Database – required database, FCC is default

Value – the search value for the callsign search – Ex: Kem430

Key – assigned key – required if no valid PW or ID

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?callsign="KEM430"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?callsign=)

Note: ID="DEMO"&PW="DEMO" or key="00000000" will only return a partial file for demo purposes.

Description

Authentication is used in the search system. An assigned key or user_id / password combination is required. Please contact PerCon for proper codes.

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?field="value"&key="key"](http://datalinks.perconcorp.com/fcc_api.fwx?field=)

[http://datalinks.perconcorp.com/fcc_api.fwx?field="value"&ID="ID"&PW="PW"](http://datalinks.perconcorp.com/fcc_api.fwx?field=)

ID – Assigned user id

PW – Assigned password

KEY – Assigned key

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?callsign="KEM430"&ID="DEMO"&PW="DEMO"](http://datalinks.perconcorp.com/fcc_api.fwx?callsign=)

Note: ID="DEMO"&PW="DEMO" or key="00000000" will only return a partial file for demo purposes.

Description

Database name is the file name of the source file to be searched. DBF extension is not required. Only DBF and Visual FoxPro files may be used as input files.

File names:

FCC – FCC Database in Standard format

APPL – Ham Data

ANTREG – Antenna Registration File

CANADA – Canadian TAFL

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&field="value"&key="KEY"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&field="value"&ID="ID"&PW="PW"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

database="APPL"

Database name must be uppercase.

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&KEY="99999999"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

**** Invalid key error

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&ID="DEMO"&PW="DEMO"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="CANADA"&callsign="XCG"&output="SDF"&ID="DEMO"&PW="DEMO"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="CANADA"&Licensee="NAV"&output="SDF"&ID="DEMO"&PW="DEMO"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

Search terms are simple and quick predefined searches. This is a small subset of all searches with "QUERY" being the most powerful. It is advised to use query for complicated search requests. Searches for callsign, city & state, county and state, FRN, Licensee and point latitude and longitude may be performed.

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&callsign="CALLSIGN"&key="key"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&callsign="CALLSIGN"&ID="ID"&PW="PW"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&city="CITY"&state="STATE"&ID="ID"&PW="PW"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&county="COUNTY"&state="STATE"&ID="ID"&PW="PW"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&latitude="LATITUDE"&longitude="LONGITUDE"&ID="ID"&PW="PW"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

CALLSIGN = FCC Callsign

CITY = Transmit City

COUNTY = Transmit County

STATE = Transmit State

FRN = FCC Registration Number

LICENSEE = Licensee Name

LATITUDE= Latitude in DDMMSS format

LONGITUDE = Longitude in ODDMMSS format

PLATITUDE= Point Latitude in DDMMSS format

PLONGITUDE = Point Longitude in ODDMMSS format

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&CALLSIGN="KEM430"&KEY="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&ID="DEMO"&PW="DEMO"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XLS"&county="ERIE"&state="NY"&ID="DEMO"&PW="DEMO"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XLS"&county="ERIE"&state="NY"&KEY="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"&platitude="420931"&plongitude="0792333"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XLS"&file="OFF"&key="00000000"&platitude="420931"&plongitude="0792333"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="ANTREG"&city="ELLERY"&state="NY"&key="00000000"&output="SDF"&file="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="CANADA"&Licensee="NAV"&key="00000000"&output="XLS"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

Order controls the sequence of the output data.

Valid index fields for FCC:

Frequency -	Transmitter Frequency	Freq_high -	Frequency High
Xmit_state -	Transmitter State	Licensee -	Licensee Name
Callsign -	Transmitter Callsign	Xmit_lat -	Transmitter Latitude
Xmit_long -	Transmitter Longitude	Radio_serv -	Radio Service Code
DBA_name -	Licensee Name	Lic_city -	Licensee City
Lic_state -	Licensee State	Lic_zip -	Licensee Zip
Xmit_city -	Transmitter City	xmit_state -	Transmitter State
Xmit_count -	Transmitter County		

Valid index fields for APPL:

Name -	Operator Name	City -	Operator City
State -	Operator State	County -	Operator County
Callsign -	Operator Callsign	Call_prev -	Previous Callsign
Xmit_lat -	Transmitter Latitude	Xmit_long -	Transmitter Longitude
op_class -	Operator Class		

Valid index fields for CANADA:

Frequency -	Transmitter Frequency	Xmit_loc -	Transmitter loc
Callsign -	Transmitter Callsign	Xmit_lat -	Transmitter Latitude
Xmit_long -	Transmitter Longitude	Radio_serv -	Radio Service Code
Licensee -	Licensee Name		

Valid index fields for ANTREG:

Name_owner - Operator Name

City - City

Xmit_lat - Transmitter Latitude

City_owner - City

Zip_owner - Zip

Id_tower - Tower ID

State -State

Xmit_long - Transmitter Longitude

State_owner -State

Phone -Owner Phone

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&callsign="CALLSIGN"&key="key"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&callsign="CALLSIGN"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&city="CITY"&state="STATE"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&county="COUNTY"&state="STATE"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&county="COUNTY"&state="STATE"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&latitude="LATITUDE"&longitude="LONGITUDE"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

ORDER - See table above for valid index fields.

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&key="00000000"&order="FREQUENCY"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&key="00000000"&order="FREQUENCY"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&city="ELLERY"&state="NY"&ID="DEMO"&PW="DEMO"&order="XMIT_CITY"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&county="ERIE"&state="NY"&ID="DEMO"&PW="DEMO"&order="xmit_city"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XLS"&county="ERIE"&state="NY"&ID="DEMO"&PW="DEMO"&order="xmit_city"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

OUTPUT controls the many available output formats.

Valid output formats are:

MDB -	Microsoft Access
XML -	Extensible Markup Language
KML -	Keyhole Markup Language (Google Earth)
SDF -	Standard Data Format
CSV-	Comma Separated Values
TXT -	Text
XLS -	Microsoft Excel Format
DELIMITED BLANK -	Delimited using space or blank
DELIMITED TAB -	Delimited using TAB
DELIMITED CHARACTER -	Delimited using any character, such as “ ”
BROWSE -	Onscreen Browse window (PerCon Debug only)
DBF -	Microsoft VFP Database file format
JSON -	JSON Document

File – Mode of file display – default is ‘OFF’, ‘ON’ displays contents

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&output="output"&callsign="CALLSIGN"&key="key"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?output="output"&database="DATABASE"&callsign="CALLSIGN"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?output=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&city="CITY"&state="STATE"output="output"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&county="COUNTY"&state="STATE"&ID="ID"&PW="PW"&order="ORDER"&output="output"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&county="COUNTY"&state="STATE"&ID="ID"&PW="PW"&order="ORDER"&output="output"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&output="output"&latitude="LATITUDE"&longitude="LONGITUDE"&ID="ID"&PW="PW"&order="ORDER"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="DATABASE"&county="COUNTY"&state="STATE"&ID="ID"&PW="PW"&order="ORDER"&output="output"&FILE="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

OUTPUT - See table above for valid output types.

KML is not supported for Canada

File – Display Mode – ON/OFF

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="XLS"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="HTML"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="XML"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="XML"&file="OFF"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&licensee="ELLERY"&output="XML"&file="OFF"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"&field="callsign"&value="KEM430"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="SDF"&file="OFF"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="CSV"&file="OFF"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="xml"&file="On"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="xls"&file="Off"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="sdf"&file="Off"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="del"&file="Off"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&output="del"&file="Off"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&licensee="PG"&output="del"&file="Off"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&frn="0004674693"&output="del"&file="Off"&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

Testflag is a debugging aid. It supports a virtually unlimited number of internal test for the developer. For each specific test option, a response is returned. Currently a single testflag is available. These are custom programmed by PerCon and reside in the server application. A typical response would return system or debug variables.

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="CALLSIGN"&key="KEY"&file="FILE"&testflag="TESTFLAG"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

TESTFLAG – any string value

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&callsign="KEM430"&key="00000000"&file="On"&testflag="1"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

QUERY is free formatted text that may be used to define an SQL type search. It by-passes the requirement of creating searches using the typical Field and Value format. Also, predefined searches could be saved by the host program and then recalled and easily placed in the search string. It is beyond the scope of this document to describe SQL queries.

Note: Brackets '[']' are required around the complete query with double quotes (") around the values.

Double quotes and not used around numeric values, such as Frequency. Refer to PerCon database structures for detailed info. <https://www.perconcorp.com/support.html>

API URL

http://datalinks.perconcorp.com/fcc_api.fwx?SQL='QUERY'&key='KEY'

QUERY – Any valid SQL query

QUERY - 'CALLSIGN="KEM430"'

QUERY - XMIT_CITY="ELLERY" .AND. XMIT_STATE="NY"

[http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&SQL=\[callsign='Callsign'\]&key='00000000'](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&SQL=[callsign='Callsign']&key='00000000')

[http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&SQL=\[XMIT_CITY=' City' .AND. XMIT_STATE='State'\]&key='00000000'](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&SQL=[XMIT_CITY=' City' .AND. XMIT_STATE='State']&key='00000000')

[http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&SQL=\[licensee='Licensee'\]&key='00000000'](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&SQL=[licensee='Licensee']&key='00000000')

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&SQL=%5bCallsign="KEM430"%5d&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&SQL=%5bxmit_city="ELLERY"%5d&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&SQL=\[xmit_city="ELLERY".and.xmit_state="NY"\]&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&SQL=\[xmit_city="ELLERY".and.xmit_state="NJ"\]&key="00000000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

*** Will return nothing – incorrect state

Description

Options support further refinement of search results. Unwanted license records may be removed by using the following options:

EXACT MATCH - Only exact matches are returned based on the length of the input string.

ACTIVE ONLY - Only active license records are returned.

NOCELL - NO cellular licenses are returned

NOGOV - NO cellular Local, County or State Government licenses are returned

NONEXTEL - NO NEXTEL as the licensees are returned

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="Transmit County"&state="Transmit State"&key="00000000"&ACTIVEONLY="VALUE"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCCEDG"&OUTPUT="XLS"&callsign="KEM"&key="00000000"&EXACTMATCH="VALUE"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="Transmit County"&state="NY"&key="00000000"&NOCELL="VALUE"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="Transmit County"&state="NY"&key="00000000"&NOGOV="VALUE"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="Transmit County"&state="NY"&key="00000000"&NONEXTEL="VALUE"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

VALUE ="ON" or "OFF"

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="ERIE"&state="NY"&key="00000000"&callsign="KEM"&ACTIVEONLY="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&callsign="KEM"&key="00000000"&EXACTMATCH="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="ERIE"&state="NY"&key="00000000"&NOCELL="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="ERIE"&state="NY"&key="00000000"&NOGOV="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&OUTPUT="XLS"&county="ERIE"&state="NY"&key="00000000"&NONEXTEL="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

FIELDX are used to define a field within the FIELDS statement. Any number of FIELD statements may be used with their corresponding CONDITION and Value statements. A clause made of FIELD, CONDITION and VALUE must contain the same X value. The X value must be sequential.

Valid fields for FCC:

Frequency -	Transmitter Frequency	Freq_high -	Frequency High
Xmit_state -	Transmitter State	Licensee -	Licensee Name
Callsign -	Transmitter Callsign	Xmit_lat -	Transmitter Latitude
Xmit_long -	Transmitter Longitude	Radio_serv -	Radio Service Code
DBA_name -	Licensee Name	Lic_city -	Licensee City
Lic_state -	Licensee State	Lic_zip -	Licensee Zip
Xmit_city -	Transmitter City	xmit_state -	Transmitter State
Xmit_count -	Transmitter County		

Valid fields for CANADA:

Frequency -	Transmitter Frequency	Xmit_loc -	Transmitter loc
Callsign -	Transmitter Callsign	Xmit_lat -	Transmitter Latitude
Xmit_long -	Transmitter Longitude	Radio_serv -	Radio Service Code
Licensee -	Licensee Name		

Valid fields for APPL:

Name -	Operator Name	City -	Operator City
State -	Operator State	County -	Operator County
Callsign -	Operator Callsign	Call_prev -	Previous Callsign
Xmit_lat -	Transmitter Latitude	Xmit_long -	Transmitter Longitude
op_class -	Operator Class		

Valid fields for ANTREG:

Name_owner -	Operator Name	Id_tower -	Tower ID
City -	City	State -	State
Xmit_lat -	Transmitter Latitude	Xmit_long -	Transmitter Longitude
City_owner -	City	State_owner -	State
Zip_owner -	Zip	Phone -	Owner Phone

API URL

[http://server.perconcorp.com/???_query.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"&FIELD="field"&VALUE="value"](http://server.perconcorp.com/???_query.fwx?database=)

FIELD = Any of the above fields for the selected database

VALUE= Search value

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"&latitude="420931"&longitude="0792333"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="ANTREG"&field="CITY"&value="ELLERY"&key="00000000"&output="SDF"&file="ON"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

Box is a simple statement for extraction of data geographically using bounding box parameters. Northwest and Southeast coordinates. Frequency and frequency range is also supported.

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&ullat="ullat"&lrlat="lrlat"&ullong="ullong"&lrlong="lrlong"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

ullat – Northwest Latitude in DDMMSS format

lrlat – Southeast Latitude in DDMMSS format

ullong – Northwest Longitude in 0 DDMMSS format

lrlong – Southeast Longitude in 0 DDMMSS format

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&ullat="ullat"&lrlat="lrlat"&ullong="ullong"&lrlong="lrlong"&freq_low="freq_low"&freq_high="freq_high"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Freq_low – lower frequency MHz in range

Freq_high – upper frequency MHz in range

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&ullat="ullat"&lrlat="lrlat"&ullong="ullong"&lrlong="lrlong"&frequency="frequency"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Frequency – Exact frequency MHz

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&ullat="430000"&lrlat="420000"&ullong="0800000"&lrlong="0790000"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&ullat="430000"&lrlat="420000"&ullong="0800000"&lrlong="0790000"&frequency="39.46"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&ullat="430000"&lrlat="420000"&ullong="0800000"&lrlong="0790000"&freq_low="39.46"&freq_high="239.46"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

Description

Radius is a simple statement for extraction of data geographically using a latitude / longitude center point. If inner radius is used, a Donut search may be performed. Frequency and frequency range is also supported. "K"ilometers or "M"iles may be selected.

API URL

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"¢erlat="centerlat"¢erlong="centerlong"&outerrads="10"](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&output='xls'&file='OFF'&key='00000000'¢erlat='centerlat'¢erlong='centerlong'&outerrads='10')

centerlat – center point latitude in DDMSS format

centerlong - center point longitude in ODDMMSS format

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"¢erlat="centerlat"¢erlong="centerlong"&outerrads="999"&innerrads="999"](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&output='XML'&file='OFF'&key='00000000'¢erlat='centerlat'¢erlong='centerlong'&outerrads='999'&innerrads='999')

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"¢erlat="centerlat"¢erlong="centerlong"&outerrads="999"&innerrads="999"&distmode="K"](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&output='XML'&file='OFF'&key='00000000'¢erlat='centerlat'¢erlong='centerlong'&outerrads='999'&innerrads='999'&distmode='K')

innerrads – inner radius (Donut search)

outerrads – outer radius

distmode – Distance Mode in Kilos or Miles , K or M – Miles is default

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"¢erlat="centerlat"¢erlong="centerlong"&outerrads="999"&frequency="999"](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&output='xls'&file='OFF'&key='00000000'¢erlat='centerlat'¢erlong='centerlong'&outerrads='999'&frequency='999')

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"¢erlat="centerlat"¢erlong="centerlong"&outerrads="999"&freq_low="999.99"&freq_high="999.99"](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&output='xls'&file='OFF'&key='00000000'¢erlat='centerlat'¢erlong='centerlong'&outerrads='999'&freq_low='999.99'&freq_high='999.99')

Freq_low – lower frequency MHz in range

Freq_high – upper frequency MHz in range

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"&frequency="999.99"¢erlat="centerlat"¢erlong="centerlong"](http://datalinks.perconcorp.com/fcc_api.fwx?database='FCC'&output='xls'&file='OFF'&key='00000000'&frequency='999.99'¢erlat='centerlat'¢erlong='centerlong')

Frequency – Exact frequency MHz

Sample Request

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"¢erlat="420931"¢erlong="0792333"&outerrad="10"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"¢erlat="420931"¢erlong="0792333"&outerrad="10"&innerrad="5"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="XML"&file="OFF"&key="00000000"¢erlat="420931"¢erlong="0792333"&outerrad="10"&innerrad="5"&distmode="K"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"¢erlat="420931"¢erlong="0792333"&outerrad="10"&frequency="39.46"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)

[http://datalinks.perconcorp.com/fcc_api.fwx?database="FCC"&output="xls"&file="OFF"&key="00000000"¢erlat="420931"¢erlong="0792333"&outerrad="10"&freq_low="39.46"&freq_high="239.46"](http://datalinks.perconcorp.com/fcc_api.fwx?database=)