

EWA Introduces a New Software Tool for Frequency Coordination

**Cevo – Putting You in Control of
The Spectrum You Want**



Do You Know EWA?

- A trade association - driving spectrum advocacy
 - Influencing the FCC, Congress, and industry councils in Washington, DC to support policies favorable for Land Mobile Radio (LMR)
 - Protecting your spectrum rights, your system investments, and your customer interests.



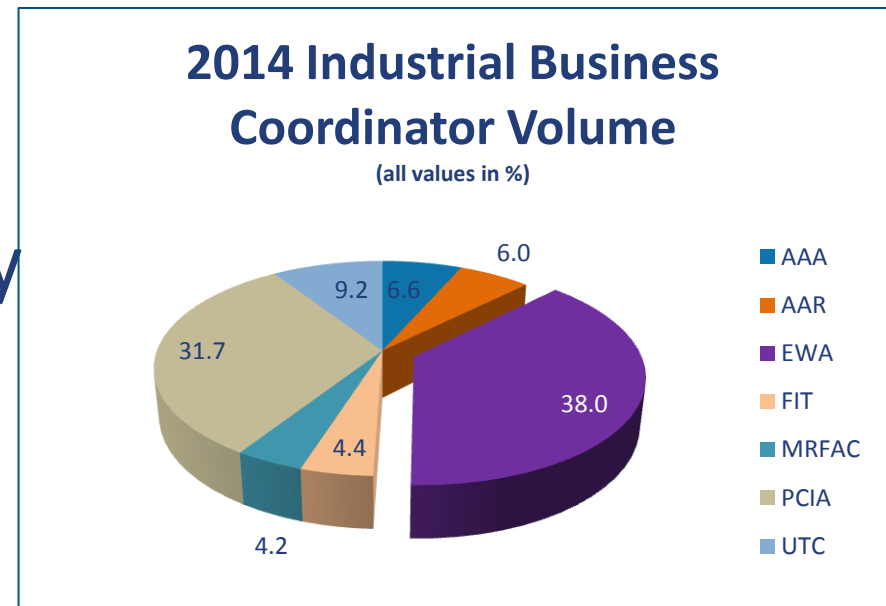
Do You Know EWA?

- A service provider – pioneering highest quality services
 - Frequency coordination
 - Form 601/ Application verification and review
 - Spectrum consulting
 - FCC activity reporting & license management
- A membership organization – educating, rallying, listening to, and supporting the industry's smallest and largest companies
 - Industrial/Business & Public Safety licensees
 - Dealers and other sales and service providers
 - Communications service/network providers
 - Manufacturers and vendors



Application Volumes – Industrial/Business

- EWA processed 38% of all coordinations in 2014
- 12 Frequency Coordinators average 20 years of LMR industry experience
- Licensing preparation “license prep” organizations are not FCC-certified frequency advisory committees





EW A LAUNCHES Cevo™ MOBILE APP

Make Frequency Availability Inquiries Wherever You Are



The Coordination Evolution begins with Cevo mobile, a simple way to perform frequency queries anytime, anywhere.

EWA's Spectrum Toolbox is Now Yours

A large tablet displaying the Cevo website interface. The main banner reads "Our Spectrum Toolbox is NOW YOURS". Below the banner, there's a "SCHEDULE H" section with an "Application ID: 12152". A "CEVO TOOLS" pop-up menu is visible, showing various tools like "US Cell Site Search", "Max ERP", "Map It", "HAAT", "Frequency Availability", "Deviation", and "Conversion Tool". On the right, a "STEPS" sidebar lists the application process from "1. GENERAL INFO" to "8. SERVICE SELECTION". At the bottom, a table lists application details for two frequencies.

Our Spectrum Toolbox is
NOW YOURS

SCHEDULE H + CANCEL + DELETE + SAVE AND EXIT + HAND OVER TO EWA < PREVIOUS NEXT >

Application ID: 12152

CEVO TOOLS

- US Cell Site Search
- Max ERP
- Map It
- HAAT
- Frequency Availability
- Deviation
- Conversion Tool

Locations Antennas Frequencies

** Requested Emission Designator not part of the approved Cevo list

MULTI-ROW EMISSION DESIGNATOR OPERATION

+ Add Frequency All changes to the table below will be saved automatically when you leave this tab.

Loc No.	Ant No.	Delete	A/M/D	Freq Band (Optional)	Freq Low	Freq High	No. Freqs. Needed	Station Class	No. of units	Output Power (watts)	ERP (watts)
1	1	<input type="checkbox"/>			452.23750			FB2	1	40	40
2	1	<input type="checkbox"/>			452.23750			MO	75	25	25

STEPS

1. GENERAL INFO
2. APPLICANT INFO
3. REGULATORY INFO
4. CERTIFICATION INFO
5. SCHEDULE H STEP 1
6. SCHEDULE H STEP 2
7. ATTACHMENTS AND WAIVERS
8. SERVICE SELECTION

Multiple Ways to Order Services



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Welcome Samuel

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CEVO TOOLS

ALL SERVICES

MEMBERSHIP

OVERVIEW

We address complex spectrum issues with the technical and business resources to do in-depth analysis, make solid recommendations, provide useful tools and create innovative solutions.

EWA SERVICE AREAS



Filing Assistance



License Management



Mapping & Research



Premier Reporting

GET STARTED

FCC License Application

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FRN Filing

[LEARN](#)

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Total License Management
Service

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SERVICES

The wireless industry relies on EWA. We address complex spectrum issues with the technical and business resources to do in-depth analysis, make solid recommendations, provide useful tools and create innovative solutions.

We pride ourselves on meeting your project's budget and time line requirements. Our clients include the most established and well-respected companies in the U.S. and we advise on emerging wireless technologies.

Filing Assistance

Trusted by more wireless sales and service providers and major enterprises than any frequency coordinator, EWA offers frequency selection and FCC application processing services for Industrial/Business and Public Safety in the 30 to 900 MHz bands. We develop and verify Public Safety and Industrial/Business license applications, from FCC Registration to the Required Construction Notification.

[Read More](#)



FCC LICENSE APPLICATION



FRN FILING



Form 601 – Wizard is Easiest Method

FCC FILINGEnterprise

Version: 2.0.8.6

CHOOSE YOUR EXPERIENCE

▶ CANCEL < PREVIOUS NEXT >

Application ID: 7134

Please select from the available data entry options:

☐ Wizard

Wizard - The Wizard form entry is the easiest, quickest way to enter your FCC License Application.

☐ Direct Form Entry

Direct Form Entry offers a replication of the FCC License Application and relies on the experienced users understanding of the FCC License Application for proper data entry.

☐ Template Form Entry

If you have several "New" FCC License Applications to submit and each follows a similar pattern, you may want to use our template feature. Either select from your list of templates below, or "Cancel" this application and select "Add New 601 Template" on the your Dashboard.

1.

✓ TYPE OF FILING

FORM OPTIONS

Required for FCC Submission

▶ CANCEL < PREVIOUS | NEXT >

Data Lookup Speeds the Effort

FCC FILING

Enterprise

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Version: 2.0.8.6

FRN SEARCH

[▶ CANCEL](#) [▶ SAVE AND EXIT](#) [▶ HAND OVER TO EWA](#)

[< PREVIOUS](#)

[NEXT >](#)

Application ID: 7134

- ☒ I believe the Applicant has an FCC Registration Number (FRN) and I will use the below search feature to find/confirm the FRN.
- ☐ I don't believe the Applicant is registered with the FCC and I would like EWA to secure an FRN on my behalf. (This is a for-fee-service which costs \$100 for EWA members and \$150 for EWA non-members.)
- ☐ I don't believe the Applicant is registered with the FCC, but I will secure the FRN on my own.

Search Type:

Company Name

▼ Greenville

The following fields may be entered as optional search criteria to narrow down results when a single FRN has multiple locations.

Licensee City:

Licensee State:

Select An Option



Licensee Zip Code:

SEARCH

RESET

Select	Licensee	FRN	Street Address	City	State	Zip
<input type="radio"/>	GREENVILLE COUNTY SCHOOL DISTRICT-BRYSON MIDDLE SCHOOL	0006529259	3657 S INDUSTRIAL DR	SIMPSONVILLE	SC	29861
<input checked="" type="radio"/>	GREENVILLE PUBLIC SCHOOLS OF MONTCALM KENTA AND IONIA COUNTIES	0004805206	546 WEST CASS STREET	GREENVILLE	MI	48838
<input type="radio"/>	GREENVILLE SPARTANBURG INTERNATIONAL AIRPORT	0015725468	2000 GSP	GREER	SC	29651

STATUS

1.



TYPE OF FILING

2.



FORM OPTIONS

3.



RADIO SERVICE CODE

FRN SEARCH

5.

APPLICANT INFORMATION

6.

REAL PARTY SEARCH

7.

REAL PARTY IN INTEREST

8.

CONTACT INFORMATION

9.

GENERAL INFORMATION

10.

FEES, WAIVERS AND EXEMPTIONS

11.

BASIC QUALIFICATION QUESTIONS

12.

Wizard Auto-Populates Fields

FCC FILING

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CART | PROFILE

Version: 2.0.8.6

APPLICANT INFORMATION

▶ CANCEL ▶ SAVE AND EXIT ▶ HAND OVER TO EWA < PREVIOUS NEXT >

Application ID: 7134

FCC Registration Number (FRN):

i

0004805206

Applicant/Licensee Legal Entity Type:

i

G - Government...

If the Licensee name is being updated, is the update a result from the sale (or transfer of control) of the license(s) to another party and for which proper Commission approval has not been received or proper notification not provided?:

i

Select An Option

First Name:

i

Middle Initial:

Last Name:

i

Suffix:

Legal Entity Name:

i

GREENVILLE PUBLIC SCHOOLS OF MONTCA

Attention To:

i

BRUCE ATHEY

P.O Box:

i

Street Address:

i

546 WEST CASS STREET

City:

i

GREENVILLE

State:

i

MI - Michigan

Zip Code:

i

48838-

STATUS

1. ✓ TYPE OF FILING

2. ✓ FORM OPTIONS

3. ✓ RADIO SERVICE CODE

4. FRN SEARCH

APPLICANT INFORMATION

6. REAL PARTY SEARCH

7. REAL PARTY IN INTEREST

8. CONTACT INFORMATION

9. GENERAL INFORMATION

10. FEES, WAIVERS AND EXEMPTIONS

11. BASIC QUALIFICATION QUESTIONS

Shopping Cart Checkout - A Familiar Process



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CEVO TOOLS

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CART / We're almost done – just a little more information, please.

PRODUCT	PRICE	REMOVE	DETAILS
Basic License Review	\$300.00	REMOVE	VIEW DETAILS
FCC License Application	\$790.00	REMOVE	VIEW DETAILS
<div><p>ID: 1091</p><p>Total: \$790.00 App ID: 7134 Base Price: \$595.00</p><p>Additional Cost</p><p>FCC License Application Filing Service Level: Frequency analysis I would like EWA to perform the frequency analysis and frequency selection on my behalf. - \$195 - Member 601 QC: EWA Quality Control (QC) review of my application data - 10% surcharge - Member 601 Expedite Level: Expedite - \$250 - Member</p></div>			
			Total: \$1,090.00

[UPDATE CART](#)

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Print Option: After Payment

Reference Copy Only. Do Not Mail to the FCC as an Application.

Submitted: 10/6/2014

File Number:

FCC 601
Main Form

FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau Public Safety and Homeland Security Bureau

1) Radio Service Code: IG	1a) Existing Radio Service Code:
----------------------------------	----------------------------------

General Information

2) (Select only one) (NE)	
NE - New MD - Modification AM - Amendment	RO - Renewal Only RM - Renewal/Modification CA - Cancellation of License
AU - Administrative Update WD - Withdrawal of Application DU - Duplicate License	NT - Required Notifications EX - Requests for Extension of Time RL - Registered Location/Link
3a) If this application is for a Developmental License, Demonstration License, or a Special Temporary Authorization (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter 'N' (Not Applicable).	(N) <u>DM</u> <u>S</u> <u>N/A</u>
3b) If this application is for Special Temporary Authority due to an emergency situation, enter 'Y'; otherwise enter 'N'. Refer to Rule 1.915 for an explanation of situations considered to be an emergency.	(N) <u>Yes</u> <u>No</u>
4) If this application is for an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC.	File Number
5) If this application is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign of the existing FCC license. If this is a request for Registered Location/Link, enter the FCC call sign assigned to the geographic license.	Call Sign
6) If this application is for a New, Amendment, Renewal Only, or Renewal/Modification, enter the requested authorization expiration date (this item is optional).	MM/DD
7) Is this application "major" as defined in §1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of §1.929).	(N) <u>Yes</u> <u>No</u>
8) Are attachments (other than associated schedules) being filed with this application?	(Y) <u>Yes</u> <u>No</u>

Fees, Waivers and Exceptions

9) Is the Applicant exempt from FCC application fees?	(N) <u>Yes</u> <u>No</u>
10) Is the Applicant exempt from FCC regulatory fees?	(N) <u>Yes</u> <u>No</u>
11a) Does this application include a request for a Waiver of the Commission's Rule(s)? If 'Yes', attach an exhibit providing rule number(s) and explaining circumstances.	(N) <u>Yes</u> <u>No</u>
11b) If 11a is 'Y', enter the number of rule sections involved.	Number of Rule Sections(s):
12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	(N) <u>Yes</u> <u>No</u>

Frequency Coordination for the Cevo Pro

COORDINATE

Version: 2.0.8.7

COORDINATE

► SAVE AND EXIT

◀ PREVIOUS

Application ID: 5025

Location 1

Antenna 1

466.00000 - 470.00000

FINALIZE SELECTED FREQUENCIES

Location: 1

Latitude: 29.728444

☐

Enter LAT/LONG in Deg/Min/Sec format

Longitude: -95.555417

Radius: 1.00

Antenna: 1

Antenna Ht (m):

Frequency: 466.00000 to 470.00000

Emission

Designators: 11K2F3E

STATUS

1. ✓ POOL/TYPE

2. ✓ PAIRING FREQUENCIES

3. ✓ LIMITATIONS

✓ COORDINATE

Coordination – Selecting Frequencies

COORDINATE

466.00000 - 470.00000

Location: 1

Latitude: 29.728444

☐ Enter LAT/LONG in Deg/Min/Sec format

Longitude: -95.555417

Radius: 1.00

Antenna: 1

Antenna Ht (m):

Frequency: 466.00000 to 470.00000

Emission

Designators: 11K2F3E

Select	Rank	Frequency	Pass/Fail	Override Fail
<input checked="" type="checkbox"/>	1	469.07500	P	INCLUDE DETAILS
<input type="checkbox"/>	1	469.37500	P	INCLUDE DETAILS
<input type="checkbox"/>	1	466.66250	P	INCLUDE DETAILS

3.

☒ LIMITATIONS

☒ **COORDINATE**

Dashboard - Manage Your Apps

DASHBOARD

MY ORDERS

EDIT PROFILE

> FCC License Application

ORDER

> FRN Filing

ORDER

> Basic License Review



ORDER

WORK IN PROGRESS - INCOMPLETE FILINGS

My Filings | Company Filings

PRODUCT	ID	CALL SIGN	CREATED ▲	APPLICANT	CUSTOMER	ANALYST	STATUS
FCC License Application - Modification	7137	WQTF298	10/06/2014	Saxon Construction Inc	Samuel Bowles		Entry Incomplete

SERVICES IN FULFILLMENT

PRODUCT	ORDER#	ID	CALL SIGN	CREATED ▲	APPLICANT	CUSTOMER	ANALYST	STATUS	DETAILS
System Protection	445	1092		10/06/14		samuelbowles			DETAILS ▼
FCC License Application	444	1091 (7134)		10/06/14	GREENVILLE PUBLIC SCHOOLS OF MONTCALM KENTA AND IONIA COUNTIES	samuelbowles		 Entry Complete	DETAILS ▼
Basic License Review	444	1085		10/06/14		samuelbowles	Analyst One	 Submitted to EWA	DETAILS ▼

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FCC LICENSE APP TEMPLATES

»NEW

No templates currently available. [»Add a template](#)

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For more information about how EWA membership can help you grow your business, manage and protect your valuable spectrum assets, please [contact EWA](#) for more information.

MY PROFILE


» EDIT PROFILE


Samuel Bowles
Clemson University
123 Tiger Way
Clemson, South Carolina 22030
samb@me.com

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ULS Call Sign Search




Max ERP




Map It




HAAT



Frequency Availability
Query



Elevation



GET ANSWERS. FAST.

Why visit different websites to find the different tools you need to get your licensing work done. EWA has packaged up all the tools you'll need to complete your licensing work. Need a tool you don't see? Let us know!

View

Devel

CEVO TOOLS

Ever wish all the tools you needed were in one spot? With Cevo, we've done just that! For all your spectrum research needs, the right tool is just a click away. Scroll through above, and if you don't see what you're looking for, please contact us (to the right).

Contact Us Online

Tools – ULS Call Sign Search

ULS CALL SIGN SEARCH

SEARCH

RESET

CALL SIGN / LEASE ID ▲	NAME	FRN	RADIO SERVICE	STATUS	EXPIRATION DATE	DETAILS
65V	BOWLES, HOWARD W	0000000000	AC	E	01/31/2006	DETAILS ▼
222SF	Bowles, Margaret R	0017405978	AC	A	02/06/2018	DETAILS ▲

DATES

GRANT 02/06/2008 EXPIRATION 02/06/2018
 EFFECTIVE 02/06/2008 CANCELLATION

LICENSEE

Bowles, Margaret R P:
 620 S. Prairie Place F:
 Anaheim, CA 92807 E:

LOCATION

LOCATION NO. ANTENNA NO. FREQUENCY CONSTRUCT BY CONSTRUCTION DATE

228CA	BOWLES, THOMAS J	0020039509	AC	A	07/14/2020	DETAILS ▼
228CA	BOWLES, THOMAS J	0000000000	AC	E	08/10/2008	DETAILS ▼
312AG	BOWLES, DOUGLAS R	0007505308	AC	E	08/21/2012	DETAILS ▼
1030W	Bowles, David A	0020684718	AC	A	03/02/2022	DETAILS ▼
1537X	Bowles, David A	0020684718	AC	A	03/15/2021	DETAILS ▼
3203L	Don Bowles Leasing LLC	0017537051	AC	A	03/12/2018	DETAILS ▼
	WOODS, WILLIAM, BEARD, DENNIS, BOWLES, LARRY,					DETAILS ▼

Tools – Maps Ease Lat/Long Lookups



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LATITUDE AND LONGITUDE OF A POINT

Search by an Address

ADDRESS

123 Main St

Chicago

Illinois

LATITUDE: 42.033910

LONGITUDE: -87.672261

SEARCH

RESET

This is an explanation of the map below.



ABOUT



MEMBERSHIP



TOOLS



SERVICES

Search

DOWNLOAD OUR MOBILE APP

About

Overview

Map It

FCC License Application

SEARCH



AVAILABLE ON THE



GET IT ON



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Tools – Maximum ERP



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cevo DASHBOARD

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MAXIMUM ERP

This is the description.

Enter Lat/Long (Decimal)

38.264408

Example: 41.02987

- 87.231445

Example: -92.56838 (All Longitude values in the U.S. are negative.)

150-174 Mhz

32

Enter Site Details

Antenna Height

meters

15

30

Ground elevation. If left blank, elevation will be calculated from coordinates.

Max ERP: 500

GET MAXIMUM ERP

RESET

This is an explanation of the map below.



Tools – Height Above Average Terrain



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HAAT

Enter Lat/Long (Decimal)

38.535790

Example: 41.02987

- 80.375977

Example: -92.59838 (All Longitude values in the U.S. are negative.)

50

Elevation

Ground elevation. If left blank, elevation will be calculated from coordinates.

Available Radials

12 (every 30 degrees)

Available Radials

HAAT: 105 meters (Elevation 789 meters)

CALCULATE

RESET

This is an explanation of the map below.



Use Cevo On Any Connected Device



Cevo™ makes securing spectrum easier than ever before!

- Use Cevo to secure spectrum for both industrial business & public safety applications
- Accessible from any computer, tablet, smartphone of connected device
- No software to download, Cevo is web-based, available 24/7 for all your licensing needs
- Cevo is intuitive and user friendly



Fast, Easy Coordination Results. Anytime. Anywhere.

- Wizard data entry model saves you time
- Cevo Express minimizes your data entry to just the bare essentials, and EWA finishes the rest
- Cevo Solo puts you in charge of the data entry
- Try Cevo Pro to pick your own frequencies
- EWA expertly certifies all applications before transmission to the FCC
- As always, a dedicated EWA Spectrum Advisor is there along the way to ensure your satisfaction!



Cevo: The Spectrum You Want. You're in Control!

Thank you !!

Cevo.EnterpriseWireless.org

Cevo@EnterpriseWireless.org

1-800-842-4242