ARRANGEMENT F

SHARING ARRANGEMENT BETWEEN THE DEPARTMENT OF INDUSTRY OF CANADA AND THE FEDERAL COMMUNICATIONS COMMISSION OF THE UNITED STATES OF AMERICA CONCERNING THE USE OF THE FREQUENCY BANDS 806-824 MHz, AND 851-869 MHz BY THE LAND MOBILE SERVICE ALONG THE CANADA-UNITED STATES BORDER

The Department of Industry of Canada (Industry Canada), and the Federal Communications Commission of the United States of America (FCC), hereinafter referred to as the "Agencies",

Have agreed to the following:

1. Scope

1.1 This Arrangement is made pursuant to the *Exchange of Notes (October 24, 1962) between the Government of Canada and the Government of the United States of America concerning the coordination and use of radio frequencies above thirty megacycles per second,* with annex, completed at Ottawa October 24, 1962, as amended, and covers the sharing and coordination of frequency spectrum for the establishment and operation of land mobile radio services operating in the bands 806 to 824 MHz, and 851 to 869 MHz, along the Canada-United States border.

1.2 Aeronautical and maritime mobile services in this band are not covered by this arrangement but may be subject to special coordination procedures on a case-by-case basis at the request of either Agency prior to their introduction.

1.3 The Agencies may initiate and implement special coordination allowing proposed stations to operate in a manner exceeding the technical conditions stated in this Arrangement within the sharing zones where the affected licensees agree to such conditions. Special coordination may be initiated by either Agency through an exchange of correspondence and must be approved by both Agencies.

1.4 This Arrangement is subject to review at any time at the request of either Agency, the U.S. Department of State or the Department of Foreign Affairs and International Trade Canada.

2. Sharing and Protection Zones

There are three Sharing Zones.

2.1 *Sharing Zone I:*

This Sharing Zone is the area adjacent to the United States-Canada border East of longitude 121° 30' W and extending a distance of 100 km within either country. However, within Sharing Zone I, the following special geographic areas are recognized:

(a) In the Great Lakes area there are significant land areas that are within 100 km of the international border between the United States and Canada, but further than 100 km from any land mass of the other country. These areas contain several significant population centers that would benefit from additional spectrum if the lake shores were considered for purposes of sharing. With this in mind, the following cities shall be considered as falling outside of Sharing Zone I, but inside the Protection Zone: in the United States, the cities of Akron, Ohio; Youngstown, Ohio; Syracuse, New York; and in Canada, the cities of Kitchener-Waterloo, Ontario; Peterborough, Ontario; London, Ontario. These cities are defined in Annex A, Table A4 as an area with the given center coordinates and encompassing a circle of 30 km radius.

(b) Sector 1 and Sector 2 as defined in section 4 below are recognized as special geographic areas within Sharing Zone I.

2.2 *Sharing Zone II:*

This Sharing Zone is the area adjacent to the United States-Canada border between 121° 30' and 127° W longitude and extending a distance of 140 km within either country.

2.3 *Sharing Zone III:*

This Sharing Zone is the area adjacent to the Alaska-British Columbia/Yukon Territory border and extending a distance of 100 km within either country.

2.4 *Protection Zone:*

The Protection Zones are the areas adjacent to Sharing Zones I and III and extending from 100 to 140 km away from the United States-Canada border within both countries as well as the areas defined in Annex A, Table A4.

3. General Sharing Arrangements

3.1 *Paired Channeling Arrangements*

Within the Sharing Zones and Protection Zones, the Agencies shall use the spectrum on the basis of a paired frequency channeling plan with mobile station transmitters in the band 806-824 MHz and base station transmitters in the band 851-869 MHz. A mobile station may also transmit on any frequency assigned to its associated base station. Base station to base station transmissions may occur in either of these frequency bands.

3.2 *Distribution/Allotment of Frequencies*

The frequency bands covered by the Arrangement are to be shared along the border, as indicated below (summarized in Annex B, Figure 1). Each Agency may use their allotted portions of spectrum subject to not causing harmful interference to assignments beyond the allotted frequency band edges and subject to the technical limits described in section 5.

3.2.1 Canada

In the Sharing Zones, except as specified in section 4, Canada has primary use of the frequency bands:

- 809.7500 to 817.2500 MHz,
- 821.0000 to 822.5000 MHz,
- 854.7500 to 862.2500 MHz, and
- 866.0000 to 867.5000 MHz.

Canada also has primary use of the following 25 kHz bandwidth paired channels with the center frequencies as indicated:

- 821.0125 MHz paired with 866.0125 MHz
- 821.5125 MHz paired with 866.5125 MHz
- 822.0125 MHz paired with 867.0125 MHz
- 822.5125 MHz paired with 867.5125 MHz
- 823.0125 MHz paired with 868.0125 MHz.

3.2.2 *United States*

In the Sharing Zones, except as specified in sections 3.2.1 and 4, the United States has primary use of the frequency bands:

- 806.0000 to 809.7500 MHz,
- 817.2500 to 821.0000 MHz,
- 822.5000 to 824.0000 MHz,
- 851.0000 to 854.7500 MHz,
- 862.2500 to 866.0000 MHz, and
- 867.5000 to 869.0000 MHz.

3.2.3 *Shared Channels*

The following 25 kHz bandwidth paired channels with the center frequencies as indicated are to be available as public safety interoperability channels.[1] These channels are available for each Agency's use in all areas. Usage of these channels in the Sharing Zones may be locally coordinated in accordance with the interoperability requirements of the Canadian and U.S. public safety licensees.

- 806.0125 MHz paired with 851.0125 MHz
- 806.5125 MHz paired with 851.5125 MHz
- 807.0125 MHz paired with 852.0125 MHz
- 807.5125 MHz paired with 852.5125 MHz
- 808.0125 MHz paired with 853.0125 MHz.

Canadian assignments that were operating prior to August 1, 2011 and that comply with the pfd limits as described in Annex E shall be permitted to continue operations under their current parameters on a secondary basis as detailed in section 7.2.

3.2.4 *Protection Zones*

In the Protection Zones, each Agency has primary use of the frequency bands 806-824 MHz and 851-869 MHz.

3.3 *Use of the 806-824 MHz, and 851-869 MHz Bands Outside of the Sharing and Protection Zones*

Beyond 140 km from the border, the Agencies have primary use of these bands.

3.4 In the event that harmful interference is experienced, both Agencies shall take appropriate action to eliminate such interference.

4. Special Sharing Arrangements

In recognition of particular demographic circumstances, the Agencies agree on the unequal division of spectrum between Canada and the United States in the following two sectors of Sharing Zone I:

[1] Interoperability channels are to be used only for coordination of tactical communications between public safety agencies or among the same public safety agency, or for other similar emergency communications.

4.1 *Sector 1:*

Sector 1 is defined to be the portion of Sharing Zone I in the United States and Canada, bounded on the West by 85º W longitude and on the East in Canada by 81º W longitude and in the United States by 80° 30’ W longitude.

In this Sector, except as specified in section 3.2.3, the United States has primary use of the frequency bands:

- 806.0000 to 811.2500 MHz,
- 815.7500 to 821.0000 MHz,
- 821.4500 to 824.0000 MHz,
- 851.0000 to 856.2500 MHz,
- 860.7500 to 866.0000 MHz and
- 866.4500 to 869.0000 MHz.

In this Sector, Canada has primary use of the frequency bands:

- 811.2500 to 815.7500 MHz,
- 821.0000 to 821.4500 MHz,
- 856.2500 to 860.7500 MHz and
- 866.0000 to 866.4500 MHz.

4.2 *Sector 2:*

Sector 2 is defined to be the portion of Sharing Zone I in the United States and Canada, bounded on the East by 71º W longitude and on the West in Canada by 81º W longitude and in the United States by 80° 30’ W longitude.

In this Sector, except as specified in section 3.2.3, the United States has primary use of the frequency bands:

- 806.0000 to 808.2500 MHz,
- 818.7500 to 821.0000 MHz,
- 823.1000 to 824.0000 MHz,
- 851.0000 to 853.2500 MHz,
- 863.7500 to 866.0000 MHz and
- 868.1000 to 869.0000 MHz.

In this Sector, Canada has primary use of the frequency bands:

- 808.2500 to 818.7500 MHz,
- 821.0000 to 823.1000 MHz,
- 853.2500 to 863.7500 MHz and
- 866.0000 to 868.1000 MHz.

Within an area of 30 km radius from the centre city coordinates of London, Ontario, 42° 59' N. 81° 14' W., Canada has primary access as defined in section 2.1 (protection zone).

5. Technical Limits

5.1 Within Sharing Zones I (including Sectors 1 and 2) and III, the Agencies may use their allotted portions of spectrum subject to the Effective Radiated Power (ERP) and Effective Antenna Height (EAH) limits of Annex A, Table A1.

5.2 Within Sharing Zone II, the Agencies may use their allotted portions of spectrum subject to the Effective Radiated Power (ERP) and Antenna Height Above Mean Sea Level (AMSL) limits of Annex A, Table A2

5.3 Each Agency has full use of the 806-824 MHz and 851-869 MHz bands within the Protection Zone in its respective country subject to the condition that base stations not exceed the maximum Effective Radiated Power (ERP) and Effective Antenna Height (EAH) limits of Annex A, Table A1.

5.4 Within the Sharing and Protection Zones, calculation of the limits on Effective Radiated Power (ERP) should be based on the power radiated toward the horizon in the vertical plane and should apply only in the direction of the common border.

5.5 Each Agency may authorize stations that exceed the ERP limits specified in sections 5.1 through 5.4 provided the signal from such a station does not exceed a maximum power flux density (pfd) limit of -107dB(W/m^2)/25 kHz at and beyond the border and a maximum ERP of 500 watts in the direction of the common border. If the border falls over water the pfd limit shall apply at the shore beyond the border.

(a) The Agencies shall require applicants or licensees under this provision to calculate the pfd described in section 5.5 using good engineering practice and generally accepted terrain-sensitive propagation models (with location and time variables of 10% and standard 3 arc-second digitized terrain data). The Agencies shall provide all data and calculations for determining compliance with this Arrangement upon request.

(b) In the event that the actual pfd at or beyond the border exceeds the value described in section 5.5, it is the responsibility of the licensee to bring the station's actual pfd into compliance with section 5.5 or bring the station into compliance with the power limits described in sections 5.1 through 5.4.

5.6 Assignments listed in Tables C1 and C2 of Annex C are exempt from the limits on ERP and antenna height detailed in Annex A. These assignments may continue operating at the indicated parameters but are prohibited from modification which would extend their existing 22 dBμV/m interference contour further in the direction of the common border.

6. Coordination Necessitated by the Special Sharing Arrangements

6.1 As a result of the division of spectrum described in sections 4.1 and 4.2, portions of the bands allotted to both countries under this Arrangement overlap. Therefore, the Agencies shall coordinate the proposed frequency assignments in the overlapping portions of those bands, as described in sections 6.2 and 6.3 below, in accordance with the procedures specified in Arrangement A annexed to the *Agreement concerning the Coordination and Use of Radio Frequencies Above Thirty Megacycles per Second,* as amended 24 June 1965.

6.2 Coordination is required for assignments in the frequency bands 808.2500 to 809.7500 MHz, 817.2500 to 818.7500 MHz, 822.5000 to 823.1000 MHz, 853.2500 to 854.7500 MHz, 862.2500 to 863.7500 MHz and 867.5000 to 868.1000 MHz in the following area (See Annex B, Figure 2):

(a) The geographical area in Canada enclosed by the United States-Canada border, the meridian 71°W and the line beginning at the intersection of 72°W and the United States-Canada border, thence running North along meridian 72°W to the intersection of 45°45'N, thence running East along 45°45'N to the meridian 71°W, and

(b) the geographical area in the United States enclosed by the United States border, the meridian 71°W and the line beginning at the intersection of 44°25'N, 71°W, thence running by great circle arc to the intersection of 45°N, 70°W, thence North along meridian 70°W to the intersection of 45°45'N, thence running West along 45°45'N to the intersection of the United States-Canada border.

The Agencies shall assign channels in the overlapping bands on center frequencies spaced 25 kHz apart. The FCC shall assign frequencies from 808.2625 to 809.7375 MHz, 817.2625 to 818.7375 MHz, 822.5375 to 823.0875 MHz, 853.2625 to 854.7375 MHz, 862.2625 to 863.7375 MHz and 867.5375 to 868.0875 MHz inclusive. Industry Canada shall assign frequencies from 808.2750 to 809.7250 MHz, 817.2750 to 818.7250 MHz, 822.5500 to 823.0750 MHz, 853.2750 to 854.7250 MHz, 862.2750 to 863.7250 MHz and 867.5500 to 868.0750 MHz inclusive. The Agencies may agree to mutually beneficial changes to the above noted channeling plan in an effort to promote spectral efficiency.

6.3 Coordination is required for assignments in the frequency bands 808.2500 to 811.2500 MHz, 815.7500 to 818.7500 MHz, 821.4500 to 823.1000 MHz, 853.2500 to 856.2500 MHz, 860.7500 to 863.7500 MHz and 866.4500 to 868.1000 MHz in the following area (see Annex B, Figure 3):

(a) The geographical area in Canada enclosed by the meridian of 81°W longitude, the arc of a circle of 100 km radius centered at 41° 58'N latitude and 80° 30'W

longitude at the southern shore of Lake Erie and drawn clockwise from the northerly intersection with 81°W longitude to intersect the United States-Canada border East of 80º 30'W, and the United States-Canada border, and

(b) the geographical area in the United States enclosed by the meridian of 81°W longitude, the arc of a circle of 100 km radius centered at 42º 39'30" N latitude and 81°W longitude at the northern shore of Lake Erie and drawn clockwise from the southerly intersection with 80º 30'W longitude to intersect the United States-Canada border West of 81°W, and the United States-Canada border.

The Agencies shall assign channels in the overlapping bands on center frequencies spaced 25 kHz apart. The FCC shall assign frequencies from 808.2625 to 811.2375 MHz, 815.7625 to 818.7375 MHz, 821.4625 to 823.0875 MHz, 853.2625 to 856.2375 MHz, 860.7625 to 863.7375 MHz and 866.4625 to 868.0875 MHz inclusive. Industry Canada shall assign frequencies from 808.2750 to 811.2250 MHz, 815.7750 to 818.7250 MHz, 821.4750 to 823.0750 MHz, 853.2750 to 856.2250 MHz, 860.7750 to 863.7250 MHz and 866.4750 to 868.0750 MHz inclusive. The Agencies may agree to mutually beneficial changes to the above noted channeling plan in an effort to promote spectral efficiency.

Within an area of 30 km radius from the centre city coordinates of London, Ontario, 42° 59' N. 81° 14' W., Canada has primary access as defined in section 2.1 (protection zone).

6.4 Canadian assignments listed in Table C3 of Annex C are granted protection against harmful interference from United States stations. These assignments may continue to operate at the indicated parameters but are subject to coordination if modification are made which would extend their existing 22 dBµV/m interference contour further in the direction of the common border and exceed the technical limits described in section 5.

7. Use of Frequencies Allotted to One Administration by the Other Administration

7.1 Frequencies allotted for primary use of one Agency may be assigned by the other Agency for use within the sharing zones in its country under the following conditions:

(a) The maximum power flux density (pfd) of the signal at and beyond the border of the primary user's country does not exceed -124 dB(W/m^2)/25 kHz.

(1) The Agencies shall require applicants or licensees under this provision to calculate the pfd described in section 7.1(a) using good engineering practice and generally accepted terrain-sensitive propagation models (with location and time variables of 10% and standard 3 arc-second digitized terrain data). The Agencies shall provide all data and calculations for determining compliance with this Arrangement upon request.

(2) In the event that the measured pfd at or beyond the border exceeds the value described in section 7.1(a), it is the responsibility of the licensee to bring the station's pfd into compliance with section 7.1(a).

(b) Stations authorized under this provision shall be considered as secondary and shall neither be granted protection against harmful interference from stations that have primary use of their authorized frequency, nor shall they cause harmful interference to stations having primary use of their authorized frequency, regardless of whether they meet the pfd values specified in 7.1(a) above.

(c) Mobile stations exceeding 5 watts transmitter power output (TPO) shall not be operated in frequencies allotted for primary use of the other Agency within 30 km of the common border.

(d) Beyond 30 km of the common border, mobile stations operating in frequencies allotted for primary use of the other Agency must not exceed the pfd value specified in 7.1(a).

(e) The documentation issued by each Agency authorizing such stations to use these frequencies shall include a clause stating that such authorization is subject to the following conditions:

(1) In the event that the measured signal at or beyond the border is found to exceed -124 dB(W/m^2)/25 kHz, the signal level shall be reduced accordingly;

(2) In the event that harmful interference occurs to any station that has primary use of the authorized frequency, regardless of signal strength, the licensee shall take immediate action to eliminate such interference. The Agency granting the authorization for secondary use is responsible for ensuring that remedial action is taken, up to and including revocation of the authorization.

7.2 Stations that were operating prior to August 1, 2011 and that comply with the pfd limits as described in Annex E shall be permitted to continue operations under their current parameters. Stations authorized under this provision shall neither be granted protection against harmful interference from stations that have primary

use of their authorized frequency, nor shall they cause harmful interference to stations having primary use of their authorized frequency.

7.3 Canadian assignments within the coordination zone, listed in Tables C4-1 and C4-2 of Annex C, are operating according to a Special Coordination Procedure (SCP) signed between the Agencies in October 2001. Although this SCP is no longer in effect, the Canadian assignments listed in Tables C4-1 and C4-2 of Annex C may continue to operate in excess of the pfd limit listed in section 7.1(a) above until March 31, 2014 under the following conditions.

(a) Canadian assignments listed in Table C4-2 of Annex C shall be required to comply with the pfd limit listed in section 7.1(a) within 60 business days[2] upon notification by the FCC to Industry Canada that the 22 dBµV/m interference contour of a Canadian assignment overlaps with the 40 dBµV/m protected contour of a co-channel assignment in the United States, which assignment has been made part of the United States' reconfiguration of the 800 MHz band.

(b) Canadian assignments listed in Tables C4-1 of Annex C shall be required to comply with the pfd limit listed in section 7.1(a) within 90 business days[3] upon notification by the FCC to Industry Canada that the 22 dBµV/m interference contour of a Canadian assignment overlaps with the 40 dBµV/m protected contour of a co-channel assignment in the United States, which assignment has been made as part of the United States' reconfiguration of the 800 MHz band. The FCC, however, shall exert good faith efforts to avoid assigning a frequency, in connection with 800 MHz band reconfiguration, that requires a Canadian assignment listed in Table C4-1 to comply with the pfd limit listed in section 7.1(a) prior to March 31, 2014.

(c) In exceptional circumstances in which the FCC may assign a channel unrelated to the 800 MHz band reconfiguration, which assignment creates the co-channel contour overlap described in section (a) and (b) above, the Agencies shall mutually agree to a time period, reasonable under the circumstances, for the Canadian assignment to comply with the pfd limit listed in section 7.1(a).

(d) Contour distances referred to in sections (a) and (b) above shall be derived from R-6602 curves, F(50,50) for the protected contour and F(50,10) for the interference contour.

(e) If a modification is made to a Canadian assignment, that assignment shall be subject to the provisions of section 7.1 and shall be removed from Annex C

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[2] An extension beyond the listed business days may be granted with the agreement by both Agencies.

[3] *Id.* 2

unless the modification causes no extension of the existing 22 dBµV/m interference contour further in the direction of the common border.

(f) After March 31, 2014, the Canadian assignments listed in Tables C4-1 and C4-2 of Annex C must comply with the pfd limit specified in section 7.1(a). After this date, the United States shall no longer be subject to the restrictions detailed in section (a), (b) or (c) above. The Agencies may agree to a longer period of time for individual Canadian assignments to exceed the pfd limit specified in section 7.1(a) but in this case the individual Canadian assignments shall neither be granted protection against harmful interference from stations that have primary use of their authorized frequency, nor shall they cause harmful interference to stations having primary use of their authorized frequency.

8. Information Exchange

8.1 To facilitate the coordination requirements of this Arrangement, the Agencies shall exchange information including, but not limited to: (1) licensee name(s); (2) licensed service areas; and (3) licensee point(s) of contact; or means to obtain the above information.

8.2 When necessary, the Agencies shall provide information to their respective licensees to facilitate the coordination requirements of this Arrangement.

8.3 To facilitate cross-border coordination between licensees, the Agencies shall encourage licensees to exchange data as listed in Annex D to this Arrangement.

Annex A

Limits of Effective Radiated Power and Antenna Height for General Sharing Arrangements

Effective Radiated Power (ERP) is defined as the product of the power supplied to the antenna and its gain relative to a half-wave dipole in a given direction

For base stations in Sharing Zones I (include Sectors 1 and 2) and III, and the Protection Zones, Table A1 lists the limits of Effective Radiated Power (ERP) corresponding to the Effective Antenna Height (EAH) ranges shown. In this case, Effective Antenna Height is calculated by subtracting the Assumed Average Terrain Elevation given in Table A3 from the antenna height above mean sea level.

Table A1
Limits of Effective Radiated Power (ERP) Corresponding to Effective Antenna Heights of Base Stations in Sharing Zones I (including Sectors 1 and 2) and III, and the Protection Zones

Effective Antenna Height (EAH) in Meters	ERP Watts (Maximum)
Up to 153	500
Above 153 to 306	125
Above 306 to 458	40
Above 458 to 610	20
Above 610 to 915	10
Above 915 to 1067	6
Above 1067	5

For base stations in Sharing Zone II, Table A2 lists the limits of Effective Radiated Power (ERP) corresponding to the antenna height above mean sea level (AMSL) ranges shown.

Table A2
Limits of Effective Radiated Power (ERP) Corresponding to Antenna Heights Above Mean Sea Level of Base Stations in Sharing Zone II.

Antenna Height Above Mean Sea Level (AMSL) in Meters	ERP Watts (Maximum)
Up to 504	500
Above 504 to 610	350
Above 610 to 763	200
Above 763 to 915	140
Above 915 to 1067	100
Above 1067 to 1220	75
Above 1220 to 1372	70
Above 1372 to 1523	65
Above 1523	5

Table A3 lists the values of Assumed Average Terrain Elevations (AATE) within the Sharing and Protection Zones on both sides of the United States-Canada border.

EAH = Antenna Height Above Mean Sea Level – AATE

Table A3
Values of Assumed Average Terrain Elevation within the Sharing and Protection Zones on Both Sides of the United States-Canada Border

Longitude (φ) (°West)	Latitude (Ω) (°North)	Assumed Average Terrain Elevation			
		United States		Canada	
		Feet	Meters	Feet	Meters
$65 \leq \Phi < 69$	$\Omega < 45$	0	0	0	0
"	$45 \leq \Omega < 46$	300	91	300	91
"	$\Omega \geq 46$	1000	305	1000	305
$69 \leq \Phi < 73$	All	2000	609	1000	305
$73 \leq \Phi < 74$	"	500	152	500	152
$74 \leq \Phi < 78$	"	250	76	250	76
$78 \leq \Phi < 80$	$\Omega < 43$	250	76	250	76
"	$\Omega \geq 43$	500	152	500	152
$80 \leq \Phi < 90$	All	600	183	600	183
$90 \leq \Phi < 98$	"	1000	305	1000	305
$98 \leq \Phi < 102$	"	1500	457	1500	457
$102 \leq \Phi < 108$	"	2500	762	2500	762
$108 \leq \Phi < 111$	"	3500	1066	3500	1066
$111 \leq \Phi < 113$	"	4000	1219	3500	1066
$113 \leq \Phi < 114$	"	5000	1524	4000	1219
$114 \leq \Phi < 121.5$	"	3000	914	3000	914
$121.5 \leq \Phi$ 127	"	0	0	0	0
$\Phi \geq 127$	$54 \leq \Omega < 56$	0	0	0	0
"	$56 \leq \Omega < 58$	500	152	1500	457
"	$58 \leq \Omega < 60$	0	0	2000	609
"	$60 \leq \Omega < 62$	4000	1219	2500	762
"	$62 \leq \Omega < 64$	1600	488	1600	488
"	$64 \leq \Omega < 66$	1000	305	2000	609
"	$66 \leq \Omega < 68$	750	228	750	228
"	$68 \leq \Omega < 69.5$	1500	457	500	152
"	$\Omega \geq 69.5$	0	0	0	0

Table A4 lists cities in the United States and Canada that for the purposes of this agreement shall be considered as falling outside of Sharing Zone I but within the Protection Zone. These cities are defined as circles with a 30 km radius around the center coordinates listed.

Table A4
Cities in the United States and Canada Considered as falling
Outside of Sharing Zone I but within the Protection Zone

Location	Coordinates (NAD83)	
	Latitude	Longitude
Akron, Ohio	41° 05' 00.2" N	81° 30' 39.4" W
Youngstown, Ohio	41° 05' 57.2" N	80° 39' 01.3" W
Syracuse, New York	43° 03' 04.2" N	76° 09' 12.7" W
Kitchener-Waterloo, Ontario	43° 27' 30.2" N	80° 29' 59.4" W
Peterborough, Ontario	44° 18' 00.2" N	78° 18' 59.2" W
London, Ontario	42° 59' 00.0" N	81° 14' 00.0 W

Annex B

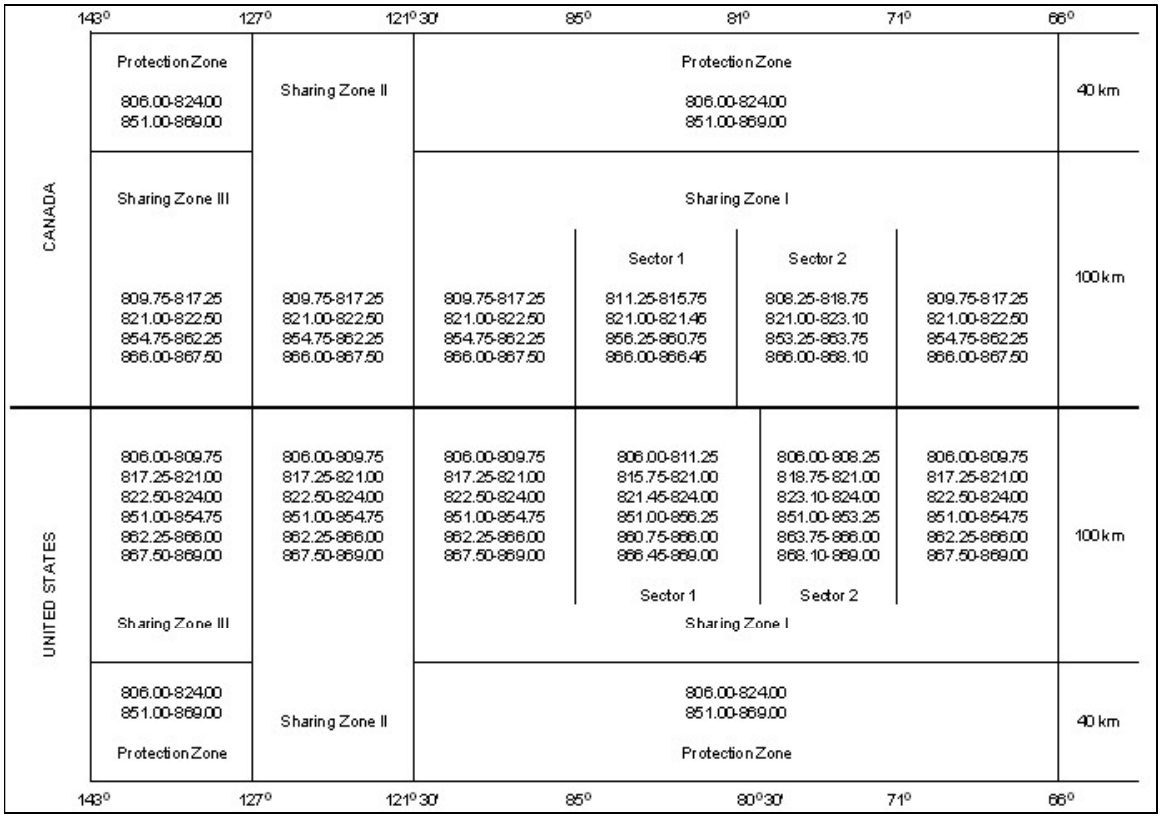


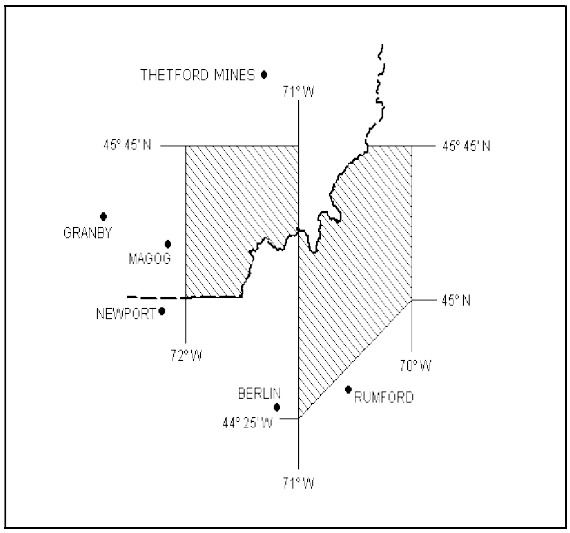
Figure 1
Canada/United States Sharing Arrangement for the Frequency Bands
806-824 MHz AND 851-869 MHz

Notes:
- All frequencies are in Megahertz
- The Protection Zone and Sharing Zones I and III are subject to Annex A, Table A1 requirements
- Sharing Zone II is subject to Annex A, Table A2 requirements
- In the Sharing Zones, Canada has primary use of the following 25 kHz bandwidth paired channels with center frequencies as indicated:
  - 821.0125 MHz paired with 866.0125 MHz
  - 821.5125 MHz paired with 866.5125 MHz
  - 822.0125 MHz paired with 867.0125 MHz
  - 822.5125 MHz paired with 867.5125 MHz
  - 823.0125 MHz paired with 868.0125 MHz.

- The following 25 kHz bandwidth paired channels with the center frequencies as indicated are to be available as public safety interoperability channels.[4] These channels are available for each Agency's use in all areas. Usage of these channels in the Sharing Zones may be locally coordinated in accordance with the interoperability requirements of the Canadian and U.S. public safety licensees.
    - 806.0125 MHz paired with 851.0125 MHz
    - 806.5125 MHz paired with 851.5125 MHz
    - 807.0125 MHz paired with 852.0125 MHz
    - 807.5125 MHz paired with 852.5125 MHz
    - 808.0125 MHz paired with 853.0125 MHz.

  Canadian assignments that were operating prior to August 1, 2011 and that comply with the pfd limits as described in Annex E shall be permitted to continue operations under their current parameters on a secondary basis as detailed in section 7.2.

[4] Interoperability channels are to be used only for coordination of tactical communications between public safety agencies or within the same public safety agency, or for other similar emergency communications.



Areas in which coordination is required

Figure 2
Band Overlap Area 1 where Coordination is Required

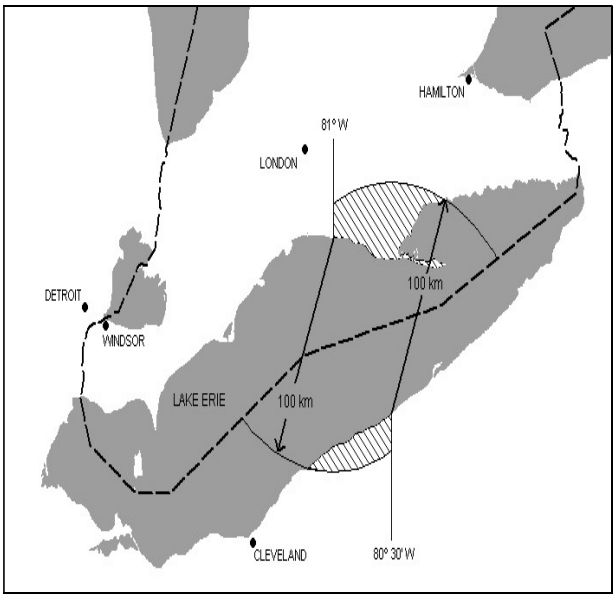


Figure 3
Band Overlap Area 2 where Coordination is Required

Frequency Assignments To Be Coordinated (MHz)
(25 kHz Channel Spacing)

Canada	United States
808.2750-809.7250	808.2625-809.7375
817.2750-818.7250	817.2625-818.7375
821.4750-823.0750	821.4625-823.0875
853.2750-854.7250	853.2625-854.7375
862.2750-863.7250	862.2625-863.7375
866.4750-868.0750	866.4625-868.0875

Overlap Bands
808.2500-809.7500
817.2500-818.7500
822.5000-823.1000
853.2500-854.7500
862.2500-863.7500
867.5000-868.1000

Frequency Assignments To Be Coordinated (MHz)
(25 kHz Channel Spacing)

Canada	United States
808.2750-811.2250	808.2625-811.2375
815.7750-818.7250	815.7625-818.7375
822.5500-823.0750	822.5375-823.0875
853.2750-856.2250	853.2625-856.2375
860.7750-863.7250	860.7625-863.7375
867.5500- 868.0750	867.5375- 868.0875

Overlap Bands
808.2500-811.2500
815.7500-818.7500
821.4500-823.1000
853.2500-856.2500
860.7500-863.7500
866.4500-868.1000

Annex C

Tables C1 and C2 list primary Canadian and U.S. assignments, respectively, that are exempt from the limits on ERP and antenna height detailed in Annex A. These assignments may continue operating at the indicated parameters but are prohibited from modification which would extend their existing 22 dBµV/m interference contour further in the direction of the common border.

Table C1
List of primary Canadian assignments that are exempt from the limits on ERP and antenna height detailed in Annex A.

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
XLM485	65034121001	Department of Fisheries and Oceans	BETHEL NB	65	Dartmouth NS	450954	665423	861.2875	53	24.4
CHV355	53015181001	RADIO-ONDE INC.	MONT-SUTTON,QC (SITE RADIO ONDE)	53	QUEBEC QC	450514	723304	853.7875	24	18.4
CHV355	53015181002	RADIO-ONDE INC.	MONT-SUTTON,QC (SITE RADIO ONDE)	53	QUEBEC QC	450514	723304	855.0375	24	18.4
XKT338	46031153001	Union Gas Limited	THUNDER BAY, ONT. (MT. MCKAY)	46	Chatham ON	482041	891711	857.9125	50	25.6
CHV622	53009338005	TECHCOM INC.	MONT O'NEIL (PARC 61A)	53	MARIEVILLE QC	462506	704656	858.0875	61	18.6
VES251	53012074001	TECHCOM INC.	MT ST-CECILE	53	MARIEVILLE QC	454137	705754	859.1375	40	17.9
VES252	53012075002	TECHCOM INC.	THETFORD MINES	53	MARIEVILLE QC	460852	712012	858.8625	61	17.4
VES252	53012075001	TECHCOM INC.	THETFORD MINES	53	MARIEVILLE QC	460852	712012	859.1125	61	17.4
XOK829	18009508002	Terasen Gas Inc.	SUMAS MTN - SUMAS PK (CABLE SITE)	12	SURREY BC	490710	1220752	862.0125	44	20.6
XOK829	18009508001	Terasen Gas Inc.	SUMAS MTN - SUMAS PK (CABLE SITE)	12	SURREY BC	490710	1220752	861.4875	44	20.6
VES294	53038284001	ACTION SOLUTIONS SANS FIL INC.	MONT-ORFORD, QC	53	SHERBROOKE QC	451843	721429	855.2625	15	20.7
VES651	53034530001	TECHCOM INC.	MONT-ORFORD,P.Q.	53	MARIEVILLE QC	451843	721430	862.4125	20	18
VES651	53033804001	TECHCOM INC.	MONT-ORFORD,P.Q.	53	MARIEVILLE QC	451843	721430	863.3875	20	18
VES651	53033804002	TECHCOM INC.	MONT-ORFORD,P.Q.	53	MARIEVILLE QC	451843	721430	863.1375	20	18
VES651	53014194003	TECHCOM INC.	MONT-ORFORD,P.Q.	53	MARIEVILLE QC	451843	721430	862.8625	20	18
VES238	53014338003	ACTION SOLUTIONS SANS FIL INC.	MONT-ORFORD,QC	53	SHERBROOKE QC	451843	721429	855.0125	15	17.1

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VES238	53014338005	ACTION SOLUTIONS SANS FIL INC.	MONT-ORFORD,QC	53	SHERBROOKE QC	451843	721429	855.5125	15	17.1
VX9EWL	42075411005	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	853.75	10	32
VX9EWL	42075411006	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	854.4	10	32
VX9EWL	42075411007	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	855.05	10	32
VX9EWL	42075411008	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	855.7	10	32
VX9EWL	42075411009	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	856.35	10	32
VX9EWL	42075411010	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	857	10	32
VX9EWL	42075411011	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	857.675	10	32
VX9EWL	42075411012	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	858.35	10	32
VX9EWL	42075411013	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	859	10	32
VX9EWL	42075411014	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	859.7	10	32
VX9EWL	42075411015	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	860.35	10	32
VX9EWL	42075411016	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	861.025	10	32
VX9EWL	42075411017	SINCLAIR TECHNOLOGIES INC.	AURORA, ONT. 85 MARY ST	42	AURORA ON	435957	792707	861.8	10	32
VAY355	45018340001	Union Gas Limited, C/O: Spectra	MOOREFIELD	44	Chatham ON	434407	804606	857.6625	92	21
VBG926	18012408003	METRO MOBILE RADIO SALES INC	MT SEYMOUR BC - METRO MOBILE SITE	12	SURREY BC	492149	1225655	855.3625	20	20.6
VBG926	12056462001	METRO MOBILE RADIO SALES INC	MT SEYMOUR BC - METRO MOBILE SITE	12	SURREY BC	492149	1225655	855.6125	20	20.6
VBG926	12056462002	METRO MOBILE RADIO SALES INC	MT SEYMOUR BC - METRO MOBILE SITE	12	SURREY BC	492149	1225655	855.8625	20	20.6
VBG926	12066216001	METRO MOBILE RADIO SALES INC	MT SEYMOUR BC - METRO MOBILE SITE	12	SURREY BC	492149	1225655	859.7375	20	21.3
VBG926	18012408002	METRO MOBILE RADIO SALES INC	MT SEYMOUR BC - METRO MOBILE SITE	12	SURREY BC	492149	1225655	855.1125	20	20.6

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VBG926	18012408001	METRO MOBILE RADIO SALES INC	MT SEYMOUR BC - METRO MOBILE SITE	12	SURREY BC	492149	1225655	854.8625	20	20.6
VAY444	45018521001	Union Gas Limited, C/O: Spectra	ST AGATHA	44	Chatham ON	432700	803607	857.6625	108	19.3
CKO88	45018341001	Union Gas Limited, C/O: Spectra	MOUNT FOREST	44	Chatham ON	435932	803738	857.6625	62	20.1
CKO81	45018389001	Union Gas Limited, C/O: Spectra	MEAFORD	44	Chatham ON	443056	803359	857.6625	62	21
XMO976	53017856003	TELUS COMMUNICATIONS INC.	MT ST-JOSEPH, MEGANTIC, QC	53	SCARBOROUGH ON	452652	710712	859.0375	40	18.7
XMO976	53017856001	TELUS COMMUNICATIONS INC.	MT ST-JOSEPH, MEGANTIC, QC	53	SCARBOROUGH ON	452652	710712	858.5375	40	18.7
XMO976	53017856002	TELUS COMMUNICATIONS INC.	MT ST-JOSEPH, MEGANTIC, QC	53	SCARBOROUGH ON	452652	710712	858.7875	40	18.7
VAG756	49026043003	RCOMM RADIO INC.	VANKLEEK HILL, ON (C&W SITE)	49	VANKLEEK HILL ON	453030	743948	860.7125	61	20.9
VAG756	49026043001	RCOMM RADIO INC.	VANKLEEK HILL, ON (C&W SITE)	49	VANKLEEK HILL ON	453030	743948	860.2125	61	20.9
VAG756	49026043002	RCOMM RADIO INC.	VANKLEEK HILL, ON (C&W SITE)	49	VANKLEEK HILL ON	453030	743948	860.4625	61	20.9
CFJ509	33032921001	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	858.1125	107	21
CFJ509	33032921005	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	809.8625	107	21
CFJ509	33032921002	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	861.8375	107	21
CFJ509	33032921003	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	862.0875	107	21
CFJ509	33032921006	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	813.7125	107	21
CFJ509	33032921008	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	814.2125	107	21
CFJ509	33032921007	SASKTEL MOBILITY-FLEETNET 800	WOOD MOUNTAIN SASKATCHEWAN	33	REGINA, SK	491733	1062656	813.9625	107	21
VBZ971	53018826003	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	859.4625	22	15.4
VBZ971	53040775007	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	858.7375	22	15.4
VBZ971	53040775006	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	856.7375	22	15.4

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VBZ971	53040775005	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	856.4625	22	15.4
VBZ971	53040775004	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	862.8125	22	15.4
VBZ971	53040775003	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	860.7625	22	15.4
VBZ971	53040775002	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	855.7375	22	15.4
VBZ971	53040775001	TELUS COMMUNICATIONS INC.	PQ0083 ORFORD, QC	53	SAINT-LAURENT QC	451843	721432	855.6625	22	15.4
CFT538	55035587003	TELUS COMMUNICATIONS INC.	PQ0126 MONT STE-ANNE	53	SAINT-LAURENT QC	470508	705554	861.6875	34	19.9
CFT538	55036295001	TELUS COMMUNICATIONS INC.	PQ0126 MONT STE-ANNE	53	SAINT-LAURENT QC	470508	705554	856.0625	34	19.7
CFT538	55036575001	TELUS COMMUNICATIONS INC.	PQ0126 MONT STE-ANNE	53	SAINT-LAURENT QC	470508	705554	861.8125	34	19.9
CFT538	53028933001	TELUS COMMUNICATIONS INC.	PQ0126 MONT STE-ANNE	53	SAINT-LAURENT QC	470508	705554	861.3125	54	17.9
CFG592	15045275003	OMEGA COMMUNICATIONS LTD	BLUE GROUSE MOUNTAIN BC	15	KELOWNA BC	495802	1193147	813.5875	11	20.2
CFG592	15045275006	OMEGA COMMUNICATIONS LTD	BLUE GROUSE MOUNTAIN BC	15	KELOWNA BC	495802	1193147	813.6625	15	20
CFG592	15045275001	OMEGA COMMUNICATIONS LTD	BLUE GROUSE MOUNTAIN BC	15	KELOWNA BC	495802	1193147	813.0875	11	20.2
CFG592	15045275002	OMEGA COMMUNICATIONS LTD	BLUE GROUSE MOUNTAIN BC	15	KELOWNA BC	495802	1193147	813.3375	11	20.2
CFG592	15045275004	OMEGA COMMUNICATIONS LTD	BLUE GROUSE MOUNTAIN BC	15	KELOWNA BC	495802	1193147	813.1625	15	20
CFG592	15045275005	OMEGA COMMUNICATIONS LTD	BLUE GROUSE MOUNTAIN BC	15	KELOWNA BC	495802	1193147	813.4125	15	20
VET234	53024330005	TECHCOM INC.	MONT OWLS'HEAD (SITE)	53	MARIEVILLE QC	450346	721751	860.0375	18	22.1
VEQ382	53028878004	TELUS COMMUNICATIONS INC.	PQ0277 MONT-TREMBLANT- 663 RUE DE L	53	SAINT-LAURENT QC	460623	743512	858.6125	60	17.3
VEQ382	53028878003	TELUS COMMUNICATIONS INC.	PQ0277 MONT-TREMBLANT- 663 RUE DE L	53	SAINT-LAURENT QC	460623	743512	858.1125	60	17.3
VEQ382	53028878002	TELUS COMMUNICATIONS INC.	PQ0277 MONT-TREMBLANT- 663 RUE DE L	53	SAINT-LAURENT QC	460623	743512	855.1125	60	17.3
VEQ382	53028878001	TELUS COMMUNICATIONS INC.	PQ0277 MONT-TREMBLANT- 663 RUE DE L	53	SAINT-LAURENT QC	460623	743512	864.8375	60	17.3

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VEQ382	53041673001	TELUS COMMUNICATIONS INC.	PQ0277 MONT-TREMBLANT- 663 RUE DE L	53	SAINT-LAURENT QC	460623	743512	861.1625	60	17.3
VEO436	12067198002	TELUS Communications Inc.	BLACK TUSK BC	12	Scarborough ON	495904	1230327	858.8375	30	20
VEO436	12069484001	TELUS Communications Inc.	BLACK TUSK BC	12	Scarborough ON	495904	1230327	856.5375	41	20
VEO436	12072931001	TELUS Communications Inc.	BLACK TUSK BC	12	Scarborough ON	495904	1230327	856.1125	30	20
VEF317	53032027007	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	859.5375	51	17.9
VEF317	53032027006	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	858.8375	51	17.9
VEF317	53032027005	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	857.8125	51	17.9
VEF317	53032027001	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	858.3375	51	17.9
VEF317	53032082001	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	860.0125	51	17.9
VEF317	53032027003	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	857.2625	51	17.9
VEF317	53032027002	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	859.0875	51	17.9
VEF317	53032082003	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	858.0875	51	17.9
VEF317	53032082002	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	861.1875	51	17.9
VEF317	53032027004	RADIO-ONDE INC.	MONT TREMBLANT, QC (TOUR DGT)	53	QUEBEC QC	461310	743307	857.5625	51	17.9
CZJ284	53041533002	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	853.5375	53	19.1
CZJ284	53041533001	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	865.7625	53	19.6
CZJ284	53032302006	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	864.1625	53	19.6
CZJ284	53032302007	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	853.1375	53	19.6
CZJ284	53032302005	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	864.9625	53	19.6
CZJ284	53032302003	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	853.5125	53	19.1
CZJ284	53032302001	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	862.7625	53	19.1

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
CZJ284	53032302002	TELUS COMMUNICATIONS INC.	PQ0118 SAINT-ADELE- LOT P-18, RANG	53	SAINT-LAURENT QC	455705	740544	858.6625	53	19.1
CZJ275	53032301007	TELUS COMMUNICATIONS INC.	PQ0139 MONT SAUVAGE, QC	53	SAINT-LAURENT QC	455918	741003	858.4125	76	20
CZJ275	53032301005	TELUS COMMUNICATIONS INC.	PQ0139 MONT SAUVAGE, QC	53	SAINT-LAURENT QC	455918	741003	859.1125	76	20
CZJ275	53032301006	TELUS COMMUNICATIONS INC.	PQ0139 MONT SAUVAGE, QC	53	SAINT-LAURENT QC	455918	741003	862.7125	76	20
CFT696	53032310001	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	863.7125	41	18.9
CFT696	53032310002	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	853.3625	41	18.9
CFT696	53032310003	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	854.7875	41	18.9
CFT696	53041467003	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	861.9625	41	18.9
CFT696	53033783001	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	862.9625	41	18.9
CFT696	53041467002	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	861.3125	41	18.9
CFT696	53032310004	TELUS COMMUNICATIONS INC.	PQ0137 MONT-TREMBLANT-MONT-TREMBLA	53	SAINT-LAURENT QC	461311	743307	860.9125	41	18.9
CZJ274	53033119003	TELUS COMMUNICATIONS INC.	PQ0717 L'ETAPE, QC	53	SAINT-LAURENT QC	473413	711518	863.2625	90	15.8
CZJ274	53033119002	TELUS COMMUNICATIONS INC.	PQ0717 L'ETAPE, QC	53	SAINT-LAURENT QC	473413	711518	861.4625	90	15.8
CZJ274	53033119001	TELUS COMMUNICATIONS INC.	PQ0717 L'ETAPE, QC	53	SAINT-LAURENT QC	473413	711518	856.8125	90	15.8
VEQ324	53033003003	TELUS COMMUNICATIONS INC.	PQ0515 BARFORD- 453 10 E RANG , (4	53	SAINT-LAURENT QC	450810	714359	861.8125	92	18.1
VEQ324	53035941001	TELUS COMMUNICATIONS INC.	PQ0515 BARFORD- 453 10 E RANG , (4	53	SAINT-LAURENT QC	450810	714359	862.7625	92	18.1
VEQ324	53033003002	TELUS COMMUNICATIONS INC.	PQ0515 BARFORD- 453 10 E RANG , (4	53	SAINT-LAURENT QC	450810	714359	859.0625	92	18.1
VEQ324	53033003001	TELUS COMMUNICATIONS INC.	PQ0515 BARFORD- 453 10 E RANG , (4	53	SAINT-LAURENT QC	450810	714359	856.9125	92	18.1
CIA247	23090356002	TELUS COMMUNICATIONS INC.	BURTON CREEK - NE 03-07-02 W5 AB498	23	CALGARY AB	500107	1140908	852.6875	97	16.3
CIA247	23090356001	TELUS COMMUNICATIONS INC.	BURTON CREEK - NE 03-07-02 W5 AB498	23	CALGARY AB	500107	1140908	861.5375	97	16.3

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
CIA247	23094112001	TELUS COMMUNICATIONS INC.	BURTON CREEK - NE 03-07-02 W5 AB498	23	CALGARY AB	500107	1140908	851.2125	97	19.3
CIA334	23090422004	TELUS COMMUNICATIONS INC.	CROWSNEST RIDGE, AB. AB0431	23	CALGARY AB	493812	1143926	861.2875	54	19
CIA339	23090423001	TELUS COMMUNICATIONS INC.	BURMIS, AB. NE 03-07-02 W5 AB439	23	CALGARY AB	493154	1141138	861.7875	107	16.1
CII220	53033912006	TELUS COMMUNICATIONS INC.	PQ0719 TEWKESBURY, QC	53	SAINT-LAURENT QC	470739	711715	856.0625	69	21
CII220	53033912005	TELUS COMMUNICATIONS INC.	PQ0719 TEWKESBURY, QC	53	SAINT-LAURENT QC	470739	711715	854.1625	69	21
CIG357	15053318003	TELUS Communications Inc.	COQUIHALLA LAKES BC-TOLL PLAZA	12	Scarborough ON	493805	1210124	860.2625	19	20
CIG357	15053318002	TELUS Communications Inc.	COQUIHALLA LAKES BC-TOLL PLAZA	12	Scarborough ON	493805	1210124	860.9625	19	20
CIG359	15053319003	TELUS Communications Inc.	IRON MOUNTAIN BC (MERRITT)	12	Scarborough ON	500300	1204544	860.2375	77	20
CIG359	15053319002	TELUS Communications Inc.	IRON MOUNTAIN BC (MERRITT)	12	Scarborough ON	500300	1204544	860.9375	77	20
CIG359	15053319001	TELUS Communications Inc.	IRON MOUNTAIN BC (MERRITT)	12	Scarborough ON	500300	1204544	864.9625	77	20
CIG369	15053328001	TELUS Communications Inc.	WART MOUNTAIN BC	12	Scarborough ON	495410	1202244	861.3875	50	20
CIG369	15053328002	TELUS Communications Inc.	WART MOUNTAIN BC	12	Scarborough ON	495410	1202244	860.6875	50	20
CIG371	15053330003	TELUS Communications Inc.	OKANAGAN MOUNTAIN BC (GVR)	12	Scarborough ON	494244	1193632	860.0625	35	20
CIG371	15053330002	TELUS Communications Inc.	OKANAGAN MOUNTAIN BC (GVR)	12	Scarborough ON	494244	1193632	860.7625	35	20
CIP589	53036109006	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	864.8125	125	20.7
CIP589	53039486001	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	862.0625	125	20.1
CIP589	53043924001	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	863.8375	125	20.1
CIP589	53036109004	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	851.5625	125	20.1
CIP589	53036109001	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	851.2875	125	20.1
CIP589	53036109002	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	852.4125	125	20.7
CIP589	53036109003	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	852.9625	125	20.7

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
CIP589	53036109005	TELUS COMMUNICATIONS INC.	PQ1322 SAINT-COME,QC	53	SAINT-LAURENT QC	461449	734820	864.1375	125	20.7
CIY634	13039339006	TELUS Communications Inc.	BIG WHITE BC (1-BC0531-1)	12	Scarborough ON	494338	1185622	860.2625	57	20
CIY634	15054141002	TELUS Communications Inc.	BIG WHITE BC (1-BC0531-1)	12	Scarborough ON	494338	1185622	860.9625	50	20
VFJ481	44031266003	TELUS Communications Company	ON1973 SHELBURNE- 476260 - 3RD LINE	44	Scarborough ON	440547	801329	862.6375	90	20.8
VFJ481	44031266002	TELUS Communications Company	ON1973 SHELBURNE- 476260 - 3RD LINE	44	Scarborough ON	440547	801329	860.8875	90	20.8
VFJ481	44031266001	TELUS Communications Company	ON1973 SHELBURNE- 476260 - 3RD LINE	44	Scarborough ON	440547	801329	860.3875	90	20.8
VFJ481	44032265001	TELUS Communications Company	ON1973 SHELBURNE- 476260 - 3RD LINE	44	Scarborough ON	440547	801329	862.1375	90	20.8
VFK626	53038815002	TELUS COMMUNICATIONS INC.	PQ0749 DARAN (PARC DES LAURENTIDES)	53	SAINT-LAURENT QC	475806	711433	856.1875	130	20
VFK626	53038815004	TELUS COMMUNICATIONS INC.	PQ0749 DARAN (PARC DES LAURENTIDES)	53	SAINT-LAURENT QC	475806	711433	863.9875	130	20
VFK626	53038815003	TELUS COMMUNICATIONS INC.	PQ0749 DARAN (PARC DES LAURENTIDES)	53	SAINT-LAURENT QC	475806	711433	856.5125	130	20
VFK808	44031498002	TELUS Communications Company	ON1976 ARTHUR- 7539 HIGHWAY 6	44	Scarborough ON	434822	803133	859.2125	90	20.8
VFK808	44031498001	TELUS Communications Company	ON1976 ARTHUR- 7539 HIGHWAY 6	44	Scarborough ON	434822	803133	858.4125	90	20.8
VFK793	53038861002	TELUS COMMUNICATIONS INC.	PQ1556 SAINT-DONAT-DE-RIMOUSKI- PAR	53	SAINT-LAURENT QC	482751	681234	856.8875	91	20
VFK793	53038861001	TELUS COMMUNICATIONS INC.	PQ1556 SAINT-DONAT-DE-RIMOUSKI- PAR	53	SAINT-LAURENT QC	482751	681234	853.4125	91	20
VFK793	53038861003	TELUS COMMUNICATIONS INC.	PQ1556 SAINT-DONAT-DE-RIMOUSKI- PAR	53	SAINT-LAURENT QC	482751	681234	861.3125	91	20
VFL642	44031627001	TELUS Communications Company	ON1975 EAST GARAFRAXA- PART LOT 19,	44	Scarborough ON	435249	801851	853.4625	90	20.3
VFL642	44031627002	TELUS Communications Company	ON1975 EAST GARAFRAXA- PART LOT 19,	44	Scarborough ON	435249	801851	855.4125	90	20.3
VFR237	12071886001	B C TRANSIT LTD	BOWEN ISLAND MT GARDNER(WBN)	12	SURREY BC	492244	1232319	862.0875	20	26.2
VFR237	12072293001	B C TRANSIT LTD	BOWEN ISLAND MT GARDNER(WBN)	12	SURREY BC	492244	1232319	861.9125	20	26.2
VFQ796	53040734002	TELUS COMMUNICATIONS INC.	PQ0718 PARC DES LAURENTIDES, QC	53	SAINT-LAURENT QC	472032	711056	864.7375	107	20

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VFQ796	53040734003	TELUS COMMUNICATIONS INC.	PQ0718 PARC DES LAURENTIDES, QC	53	SAINT-LAURENT QC	472032	711056	865.8625	107	20
VFQ796	53040734001	TELUS COMMUNICATIONS INC.	PQ0718 PARC DES LAURENTIDES, QC	53	SAINT-LAURENT QC	472032	711056	851.5625	107	20
VFQ809	53040735002	TELUS COMMUNICATIONS INC.	PQ0748 PARC DES LAURENTIDES, QC	53	SAINT-LAURENT QC	474612	711202	852.2375	100	20
VFQ809	53040735001	TELUS COMMUNICATIONS INC.	PQ0748 PARC DES LAURENTIDES, QC	53	SAINT-LAURENT QC	474612	711202	851.0875	100	20
VFQ809	53040735003	TELUS COMMUNICATIONS INC.	PQ0748 PARC DES LAURENTIDES, QC	53	SAINT-LAURENT QC	474612	711202	863.8375	100	20
VFZ649	16092964001	Canada Border Services Agency	MOUNT HAYES BC	16	Ottawa ON	541702	1301855	867.05	20	19.7
VFZ808	53041796006	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	855.6375	105	26.1
VFZ808	53041796005	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	855.3875	105	26.1
VFZ808	53041796004	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	863.6375	110	19.9
VFZ808	53041796003	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	860.1875	110	19.9
VFZ808	53041796002	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	855.5375	110	19.9
VFZ808	53041796001	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	853.9625	110	19.9
VFZ808	53041796007	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	862.0125	105	26.1
VFZ808	53041796008	TELUS COMMUNICATIONS INC.	PQ0336 CHERTSEY- LOT 9-B, RANG 7, C	53	SAINT-LAURENT QC	460701	735627	864.4125	105	27.7
VXI455	23096847001	TELUS COMMUNICATIONS INC.	BLAIREMORE, AB. AB1693	23	CALGARY AB	493630	1142632	861.5375	24	18.9
VXI455	23096847002	TELUS COMMUNICATIONS INC.	BLAIREMORE, AB. AB1693	23	CALGARY AB	493630	1142632	856.4375	24	18.9
VXI455	23096847003	TELUS COMMUNICATIONS INC.	BLAIREMORE, AB. AB1693	23	CALGARY AB	493630	1142632	856.8625	24	18.9
VXI455	23096847004	TELUS COMMUNICATIONS INC.	BLAIREMORE, AB. AB1693	23	CALGARY AB	493630	1142632	861.7875	24	18.9
VXI455	23096847006	TELUS COMMUNICATIONS INC.	BLAIREMORE, AB. AB1693	23	CALGARY AB	493630	1142632	858.9375	24	18.9
VXI455	23096847005	TELUS COMMUNICATIONS INC.	BLAIREMORE, AB. AB1693	23	CALGARY AB	493630	1142632	858.6875	24	18.9

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VXK261	49038103001	TELUS Communications Company	ON1351 CALABOGIE- HIGHWAY 408 AT BA	49	SAINT-LAURENT QC	451552	764713	855.4125	49	20.1
VXK261	49038103004	TELUS Communications Company	ON1351 CALABOGIE- HIGHWAY 408 AT BA	49	SAINT-LAURENT QC	451552	764713	859.0375	49	20.1
VXK261	49038103003	TELUS Communications Company	ON1351 CALABOGIE- HIGHWAY 408 AT BA	49	SAINT-LAURENT QC	451552	764713	858.7875	49	20.1
VXK261	49038103002	TELUS Communications Company	ON1351 CALABOGIE- HIGHWAY 408 AT BA	49	SAINT-LAURENT QC	451552	764713	858.2375	49	20.1
VXL892	53044422018	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.1125	4	18.2
VXL892	53044422015	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.1625	4	18.2
VXL892	53044422006	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.1875	4	18.2
VXL892	53044422001	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.2125	4	18.2
VXL892	53044422022	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.3625	4	18.2
VXL892	53044422011	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.4125	4	18.2
VXL892	53044422010	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.4375	4	18.2
VXL892	53044422019	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.6125	4	18.2
VXL892	53044422016	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.6625	4	18.2
VXL892	53044422007	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.6875	4	18.2
VXL892	53044422002	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.7125	4	18.2
VXL892	53044422023	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.8625	4	18.2
VXL892	53044422012	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	821.9125	4	18.2
VXL892	53044422020	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.1125	4	18.2
VXL892	53044422017	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.1625	4	18.2
VXL892	53044422008	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.1875	4	18.2
VXL892	53044422003	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.2125	4	18.2
VXL892	53044422024	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.3625	4	18.2
VXL892	53044422013	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.4125	4	18.2
VXL892	53044422005	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.4625	4	18.2
VXL892	53044422021	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.6125	4	18.2

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VXL892	53044422009	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.6875	4	18.2
VXL892	53044422004	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.7125	4	18.2
VXL892	53044422014	MUNICIPALITÉ DE LA PATRIE	MONT-MEGANTIC	53	LA PATRIE QC	452653	710715	822.9125	4	18.2

In addition, the following Canadian primary assignments, identified by the "Licence Frequency Record Identifier", are included in Table C1. These Canadian assignments are exempt from the limits on ERP and antenna height detailed in Annex A. The assignments are available to the FCC upon request.

12065313001; 12065313002; 12065313003; 12065313004; 12069437001; 42076744001; 42076744002; 42076744003; 42076744004; 42076744005; 42076744006; 42076744007; 42080573001; 42080573002; 42080573003; 42080573004; 42080573005; 42080573006; 42080573007; 42080573008; 42080573009; 42080573010; 42080573011; 42080573012; 42080573013; 42080573014; 42080573015; 42080573016; 42080573017; 42080573018; 42080573019; 42080573020; 42080573021; 42080573022; 42080573023; 42080574001; 42080574002; 42080574003; 42080574004; 42080574005; 42080574006; 42080574007; 42080574008; 42080574009; 42080574010; 42080574011; 42080574012; 42080574013; 42080574014; 42080574015; 42080574016; 42080574017; 42080574018; 42080574019; 42080574020; 42080574021; 42088631001; 42088631002; 42088631003; 52103029001; 52103029002

Table C2
List of primary U.S. assignments that are exempt from the limits on ERP and antenna height detailed in Annex A

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
KNGY817	PROFESSIONAL COMMUNICATIONS MESSAGING SERVICE INC	ERIE	1	PA	F	42	2	21.0	80	3	39.0	863.7625	133	125.0
KNGY817	PROFESSIONAL COMMUNICATIONS MESSAGING SERVICE INC	ERIE	1	PA	F	42	2	21.0	80	3	39.0	864.0125	133	125.0
KNGY817	PROFESSIONAL COMMUNICATIONS MESSAGING SERVICE INC	ERIE	1	PA	F	42	2	21.0	80	3	39.0	864.2875	133	125.0
KNGY817	PROFESSIONAL COMMUNICATIONS MESSAGING SERVICE INC	ERIE	1	PA	F	42	2	21.0	80	3	39.0	864.5375	133	125.0
KNGY817	PROFESSIONAL COMMUNICATIONS MESSAGING SERVICE INC	ERIE	1	PA	F	42	2	21.0	80	3	39.0	864.7875	133	125.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.0875	94	400.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.1875	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.5875	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	5	MI	F	42	17	47.1	83	41	53.8	854.6375	82	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.6375	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.6875	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.8125	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.8375	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	854.8875	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	855.0875	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	855.1875	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	855.7375	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	855.7625	94	400.0
KNIY845	ANN ARBOR, CITY OF	WASHTENAW	1	MI	F	42	17	10.1	83	48	36.8	855.8125	94	400.0
KNNJ877	ERIE COUNTY WATER AUTHORITY	ERIE	1	NY	F	42	41	39.2	78	43	17.1	853.0625	34	100.0
KNNK692	BUSH ELECTRONICS INC	ONONDAGA	1	NY	F	42	57	19.0	76	6	33.0	854.2375	64	125.0
KNNL529	GENESEE COUNTY OF	GENESEE	1	MI	F	43	8	4.1	83	35	41.8	851.8000	111	239.0
KNNL529	GENESEE COUNTY OF	GENESEE	2	MI	F	42	52	11.1	83	48	10.8	853.2125	85	236.0
KNNM677	WAYNE, COUNTY OF EMERGENCY COMMUNICATIONS DEPARTMENT	WAYNE	1	NY	F	43	8	55.2	77	4	7.9	864.0375	58	425.0
KNRU342	WASHINGTON COMMUNICATIONS LLC DBA Day Wireless Systems	FERRY	1	WA	F	47	54	38.0	118	26	31.0	854.8625	20	200.0
KNRU376	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	854.2875	6	85.0
KNRU376	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	854.5375	6	85.0
KNRU376	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	854.8625	6	85.0
KNRU376	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	855.1125	6	85.0
KNRU376	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	855.8625	6	85.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
KNRU378	APT Wireless		1	AK	F	55	45	3.0	132	54	11.0	854.2875	6	85.0
KNRU378	APT Wireless		1	AK	F	55	45	3.0	132	54	11.0	854.5375	6	85.0
KNRU378	APT Wireless		1	AK	F	55	45	3.0	132	54	11.0	854.8625	6	85.0
KNRU378	APT Wireless		1	AK	F	55	45	3.0	132	54	11.0	855.1125	6	85.0
KNRU378	APT Wireless		1	AK	F	55	45	3.0	132	54	11.0	855.8625	6	85.0
KNRU379	APT Wireless	WRANGELL-PETERSBURG	1	AK	F	56	44	3.0	133	4	11.0	862.3125	6	85.0
KNRU379	APT Wireless	WRANGELL-PETERSBURG	1	AK	F	56	44	3.0	133	4	11.0	862.5625	6	85.0
KNRU379	APT Wireless	WRANGELL-PETERSBURG	1	AK	F	56	44	3.0	133	4	11.0	862.8125	6	85.0
KNRU379	APT Wireless	WRANGELL-PETERSBURG	1	AK	F	56	44	3.0	133	4	11.0	863.0625	6	85.0
KNRU379	APT Wireless	WRANGELL-PETERSBURG	1	AK	F	56	44	3.0	133	4	11.0	863.3125	6	85.0
WNED563	STERLING CONCRETE PRODUCTS INC	OAKLAND	3	MI	F	42	42	46.1	83	13	43.8	862.0625	46	224.0
WNHD787	CITY OF CANTON	STARK	2	OH	F	40	49	57.2	81	23	8.4	854.0375	56	180.0
WNHD787	CITY OF CANTON	STARK	2	OH	F	40	49	57.2	81	23	8.4	854.5375	56	180.0
WNHD787	CITY OF CANTON	STARK	2	OH	F	40	49	57.2	81	23	8.4	855.0375	56	180.0
WNHD787	CITY OF CANTON	STARK	2	OH	F	40	49	57.2	81	23	8.4	857.0125	56	180.0
WNHD787	CITY OF CANTON	STARK	2	OH	F	40	49	57.2	81	23	8.4	857.5125	56	180.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	854.0375	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	854.2125	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	854.2625	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	854.7625	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	855.0375	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	855.2625	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	855.5375	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	855.6125	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	855.7125	82	134.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	855.9375	82	134.0
WNHN225	REGENTS OF THE UNIVERSITY OF MICHIGAN	WASHTENAW	2	MI	F	42	17	47.1	83	41	53.8	860.8375	82	134.0
WNHZ202	DETROIT, CITY OF	WAYNE	5	MI	F	42	19	49.1	83	2	51.7	854.1625	168	300.0
WNHZ202	DETROIT, CITY OF	WAYNE	5	MI	F	42	19	49.1	83	2	51.7	854.7375	168	300.0
WNHZ202	DETROIT, CITY OF	WAYNE	5	MI	F	42	19	49.1	83	2	51.7	855.1625	168	300.0
WNHZ202	DETROIT, CITY OF	WAYNE	5	MI	F	42	19	49.1	83	2	51.7	855.9625	168	300.0
WNLH288	THE BOEING COMPANY	KITSAP	6	WA	F	47	32	51.3	122	46	57.5	862.2875	45	430.0
WNLH288	THE BOEING COMPANY	KITSAP	6	WA	F	47	32	51.3	122	46	57.5	862.8625	45	430.0
WNLH288	THE BOEING COMPANY	KITSAP	6	WA	F	47	32	51.3	122	46	57.5	863.3125	45	430.0
WNLU970	DETROIT, CITY OF	WAYNE	5	MI	F	42	19	49.1	83	2	51.7	856.1125	168	300.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	862.5625	6	85.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	862.8125	6	85.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	863.0625	6	85.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	863.3125	6	85.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	863.3625	6	85.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	863.6125	6	85.0
WNMD400	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	863.6625	6	85.0
WNMD429	GENESSEE, COUNTY OF	GENESEE	1	NY	F	42	59	24.2	78	23	31.1	853.0375	110	88.0
WNPS266	RAVENNA SCHOOL SYSTEM	PORTAGE	1	OH	F	41	9	38.2	81	15	35.4	860.5625	38	500.0
WNPS355	WASHINGTON, STATE OF; Dept. of Transportation	CHELAN	3	WA	F	47	47	19.4	120	48	29.3	851.3375	12	150.0
WNPS355	WASHINGTON, STATE OF; Dept. of Transportation	KING	2	WA	F	47	45	4.4	121	5	34.4	854.4875	15	265.0
WNRN975	SNOHOMISH, COUNTY OF	SNOHOMISH	10	WA	F	48	18	8.0	121	59	47.0	851.1125	48.8	200.0
WNRN975	SNOHOMISH, COUNTY OF	SNOHOMISH	10	WA	F	48	18	8.0	121	59	47.0	851.7375	48.8	200.0
WNRN975	SNOHOMISH, COUNTY OF	SNOHOMISH	10	WA	F	48	18	8.0	121	59	47.0	852.3125	48.8	200.0
WNUD784	ANN ARBOR TRANSPORTATION AUTHORITY	WASHTENAW	1	MI	F	42	14	45.1	83	48	1.8	856.1375	40	142.0

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WNVP201	WASHINGTON, STATE OF; Dept. of Transportation	WHATCOM	1	WA	F	48	54	34.4	122	13	21.6	854.3375	14	200.0
WNVP201	WASHINGTON, STATE OF; Dept. of Transportation	WHATCOM	1	WA	F	48	54	34.4	122	13	21.6	854.4875	14	200.0
WNVP201	WASHINGTON, STATE OF; Dept. of Transportation	WHATCOM	1	WA	F	48	54	34.4	122	13	21.6	854.5625	14	200.0
WNZT395	WASHINGTON, STATE OF; Dept. of Transportation	JEFFERSON	2	WA	F	47	45	9.3	122	55	47.6	851.7875	6	200.0
WNZT395	WASHINGTON, STATE OF; Dept. of Transportation	JEFFERSON	2	WA	F	47	45	9.3	122	55	47.6	854.3375	6	200.0
WNZT395	WASHINGTON, STATE OF; Dept. of Transportation	JEFFERSON	2	WA	F	47	45	9.3	122	55	47.6	854.4875	6	200.0
WNZZ762	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	2	WA	F	48	32	43.6	119	14	12.2	854.7375	9	200.0
WNZZ763	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	26	12.7	117	30	8.9	851.3375	14	200.0
WNZZ763	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	26	12.7	117	30	8.9	854.3875	14	200.0
WNZZ763	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	26	12.7	117	30	8.9	854.6125	14	200.0
WNZZ763	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	26	12.7	117	30	8.9	854.7375	14	200.0
WNZZ770	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	44	10.5	120	41	13.4	851.7875	8	200.0
WNZZ770	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	44	10.5	120	41	13.4	854.3375	8	200.0
WNZZ770	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	44	10.5	120	41	13.4	854.4875	8	200.0
WNZZ770	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	44	10.5	120	41	13.4	854.5625	8	200.0
WNZZ775	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	851.3875	9	200.0
WNZZ775	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	851.7875	9	200.0
WNZZ775	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	854.1375	9	200.0
WNZZ775	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	854.5375	9	200.0
WNZZ807	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	23	15.5	119	55	38.3	851.3375	11	200.0
WNZZ807	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	23	15.5	119	55	38.3	854.3875	11	200.0
WNZZ807	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	23	15.5	119	55	38.3	854.6125	11	200.0
WPAT907	Johnson Repeater Co., Inc.	CHARLEVOIX	1	MI	F	45	10	12.0	84	45	4.0	860.0125	137	250.0
WPAT907	Johnson Repeater Co., Inc.	CHARLEVOIX	1	MI	F	45	10	12.0	84	45	4.0	860.5125	137	250.0
WPBV618	MICHIGAN, STATE OF	WAYNE	1	MI	F	42	25	22.0	83	27	39.0	851.0125	99	346.7

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WPBV618	MICHIGAN, STATE OF	WAYNE	1	MI	F	42	25	22.0	83	27	39.0	851.5125	99	346.7
WPBV618	MICHIGAN, STATE OF	WAYNE	1	MI	F	42	25	22.0	83	27	39.0	851.8625	99	346.7
WPBV618	MICHIGAN, STATE OF	WAYNE	1	MI	F	42	25	22.0	83	27	39.0	851.9250	99	346.7
WPBV618	MICHIGAN, STATE OF	WAYNE	1	MI	F	42	25	22.0	83	27	39.0	852.8625	99	346.7
WPBV618	MICHIGAN, STATE OF	WAYNE	1	MI	F	42	25	22.0	83	27	39.0	852.9250	99	346.7
WPCI209	WASHINGTON, STATE OF; Dept. of Transportation	CHELAN	1	WA	F	47	45	11.4	121	5	31.4	851.3375	17	200.0
WPCI209	WASHINGTON, STATE OF; Dept. of Transportation	CHELAN	1	WA	F	47	45	11.4	121	5	31.4	854.3875	17	200.0
WPCI209	WASHINGTON, STATE OF; Dept. of Transportation	CHELAN	1	WA	F	47	45	11.4	121	5	31.4	854.6125	17	200.0
WPCQ246	AMERICAN ELECTRIC POWER SERVICE CORPORATION	HOLMES	3	OH	F	40	33	0.2	81	51	22.5	858.3875	141	125.0
WPCQ246	AMERICAN ELECTRIC POWER SERVICE CORPORATION	HOLMES	3	OH	F	40	33	0.2	81	51	22.5	859.3875	141	125.0
WPCQ246	AMERICAN ELECTRIC POWER SERVICE CORPORATION	HOLMES	3	OH	F	40	33	0.2	81	51	22.5	860.3875	141	125.0
WPDV809	STONES MOBILE RADIO INC	NELSON	2	ND	F	47	52	38.0	97	59	36.0	856.6875	128	147.0
WPDV809	STONES MOBILE RADIO INC	NELSON	2	ND	F	47	52	38.0	97	59	36.0	857.6875	128	147.0
WPDV809	STONES MOBILE RADIO INC	NELSON	2	ND	F	47	52	38.0	97	59	36.0	858.6875	128	147.0
WPDV809	STONES MOBILE RADIO INC	NELSON	2	ND	F	47	52	38.0	97	59	36.0	859.6875	128	147.0
WPDV809	STONES MOBILE RADIO INC	NELSON	2	ND	F	47	52	38.0	97	59	36.0	860.6875	128	147.0
WPEA419	Shilot, Rodney W	SPOKANE	1	WA	F	47	56	31.0	117	40	33.0	856.5625	24	350.0
WPEA419	Shilot, Rodney W	SPOKANE	1	WA	F	47	56	31.0	117	40	33.0	857.5625	24	350.0
WPEA419	Shilot, Rodney W	SPOKANE	1	WA	F	47	56	31.0	117	40	33.0	860.5625	24	350.0
WPFC820	WASHINGTON, STATE OF; Dept. of Transportation	KING	2	WA	F	47	29	19.4	121	56	48.4	851.3375	37	200.0
WPFC820	WASHINGTON, STATE OF; Dept. of Transportation	KING	2	WA	F	47	29	19.4	121	56	48.4	854.3875	37	200.0
WPFC820	WASHINGTON, STATE OF; Dept. of Transportation	KING	2	WA	F	47	29	19.4	121	56	48.4	854.6125	37	200.0
WPFE506	WASHINGTON, STATE OF; Dept. of Transportation	CLALLAM	1	WA	F	48	5	4.3	124	4	21.7	854.3375	12	200.0
WPFE506	WASHINGTON, STATE OF; Dept. of Transportation	CLALLAM	1	WA	F	48	5	4.3	124	4	21.7	854.4875	12	200.0

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WPFE506	WASHINGTON, STATE OF; Dept. of Transportation	CLALLAM	1	WA	F	48	5	4.3	124	4	21.7	854.5625	12	200.0
WPGN494	TUSCOLA, COUNTY OF	TUSCOLA	1	MI	F	43	30	18.1	83	23	42.8	855.2625	126	331.0
WPGP275	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	56	30.6	117	40	39.8	852.1375	30	250.0
WPGP275	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	56	30.6	117	40	39.8	855.4625	30	250.0
WPGP275	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	56	30.6	117	40	39.8	855.9375	30	250.0
WPGP275	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	56	30.6	117	40	39.8	858.5125	30	250.0
WPGP277	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	851.0125	18	137.0
WPGP277	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	852.1125	18	137.0
WPGP277	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	853.9625	18	137.0
WPGP277	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	855.9625	18	137.0
WPGP277	WASHINGTON, STATE OF; Dept. of Transportation	SPOKANE	1	WA	F	47	55	3.6	117	7	21.7	858.6625	18	137.0
WPGT417	TUSCOLA, COUNTY OF	TUSCOLA	2	MI	F	43	19	22.1	83	22	33.8	854.2875	98	331.0
WPGT417	TUSCOLA, COUNTY OF	TUSCOLA	1	MI	F	43	30	14.1	83	23	30.8	854.2875	126	331.0
WPGT417	TUSCOLA, COUNTY OF	TUSCOLA	1	MI	F	43	30	14.1	83	23	30.8	854.8375	126	331.0
WPGT417	TUSCOLA, COUNTY OF	TUSCOLA	1	MI	F	43	30	14.1	83	23	30.8	855.3125	126	331.0
WPGT417	TUSCOLA, COUNTY OF	TUSCOLA	2	MI	F	43	19	22.1	83	22	33.8	855.8375	98	331.0
WPGT417	TUSCOLA, COUNTY OF	TUSCOLA	1	MI	F	43	30	14.1	83	23	30.8	855.8375	126	331.0
WPHK734	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	38	14.6	118	21	34.0	851.7875	15	200.0
WPHK734	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	38	14.6	118	21	34.0	854.5875	15	200.0
WPHN432	WASHINGTON, STATE OF; Dept. of Transportation	JEFFERSON	1	WA	F	47	50	9.3	122	55	47.6	851.7875	18	200.0
WPHN432	WASHINGTON, STATE OF; Dept. of Transportation	JEFFERSON	1	WA	F	47	50	9.3	122	55	47.6	854.4875	18	200.0
WPHU567	APT Wireless	PRINCE OF WALES-OUTER KETCHIKAN	1	AK	F	55	45	3.0	132	54	11.0	854.0375	6	50.0
WPHU572	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	862.2625	6	50.0
WPHU573	APT Wireless	PRINCE OF WALES-OUTER KETCHIKAN	1	AK	F	55	45	3.0	132	54	11.0	854.0125	6	50.0

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WPHU575	APT Wireless		1	AK	F	55	21	37.0	131	47	48.0	862.4375	6	50.0
WPHU576	APT Wireless	WRANGELL-PETERSBURG	1	AK	F	56	44	3.0	133	4	11.0	862.2625	6	50.0
WPHU579	APT Wireless	JUNEAU	1	AK	F	58	13	22.0	134	50	2.0	862.2875	6	50.0
WPHU580	APT Wireless	JUNEAU	1	AK	F	58	13	22.0	134	50	2.0	862.2625	6	50.0
WPHU581	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	854.0375	6	50.0
WPHU582	APT Wireless	SITKA	1	AK	F	57	34	24.0	135	16	57.0	854.0125	6	50.0
WPHU583	APT Wireless	PRINCE OF WALES-OUTER KETCHIKAN	1	AK	F	55	27	28.0	133	4	46.0	862.3625	6	50.0
WPHU584	APT Wireless	PRINCE OF WALES-OUTER KETCHIKAN	1	AK	F	55	27	28.0	133	4	46.0	862.3375	6	50.0
WPIY803	Consumers Energy Company	CHARLEVOIX	1	MI	F	45	10	12.0	84	45	4.1	860.5875	124	62.0
WPIY803	Consumers Energy Company	CHARLEVOIX	1	MI	F	45	10	12.0	84	45	4.1	861.2875	124	62.0
WPKG410	FINDLAY, CITY OF	HANCOCK	1	OH	F	41	4	42.2	83	38	52.8	854.8125	86	250.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	854.0375	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	854.4375	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.0375	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.0625	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.1125	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.1375	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.4125	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.5625	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.6125	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.6375	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.6625	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.7625	18	114.0
WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	855.7875	18	114.0

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WPKP377	CHELAN, COUNTY OF	CHELAN	4	WA	F	47	47	15.4	120	48	37.3	859.9125	18	114.0
WPKU673	WASHINGTON, STATE OF	CLALLAM	1	WA	F	48	7	45.3	124	18	15.8	853.1375	9	251.0
WPLG219	KIRO-TV, Inc.	KING	1	WA	F	47	30	13.4	121	58	32.4	862.2625	30	125.0
WPLP821	STARK, COUNTY OF	STARK	1	OH	F	40	55	22.0	81	7	12.0	851.3375	44	300.0
WPLP821	STARK, COUNTY OF	STARK	6	OH	F	40	44	32.1	81	13	35.3	851.3375	44	300.0
WPLP821	STARK, COUNTY OF	STARK	5	OH	F	40	47	50.2	81	16	7.9	851.3375	44	300.0
WPLP821	STARK, COUNTY OF	STARK	3	OH	F	40	41	12.4	81	33	44.3	851.3375	44	300.0
WPLP821	STARK, COUNTY OF	STARK	2	OH	F	40	57	15.5	81	19	17.6	851.3375	44	300.0
WPLP821	STARK, COUNTY OF	STARK	4	OH	F	40	53	20.0	81	37	19.0	851.3375	44	300.0
WPLP821	STARK, COUNTY OF	STARK	1	OH	F	40	55	22.0	81	7	12.0	851.4875	44	300.0
WPLP821	STARK, COUNTY OF	STARK	6	OH	F	40	44	32.1	81	13	35.3	851.4875	44	300.0
WPLP821	STARK, COUNTY OF	STARK	5	OH	F	40	47	50.2	81	16	7.9	851.4875	44	300.0
WPLP821	STARK, COUNTY OF	STARK	3	OH	F	40	41	12.4	81	33	44.3	851.4875	44	300.0
WPLP821	STARK, COUNTY OF	STARK	2	OH	F	40	57	15.5	81	19	17.6	851.4875	44	300.0
WPLP821	STARK, COUNTY OF	STARK	4	OH	F	40	53	20.0	81	37	19.0	851.4875	44	300.0
WPLP821	STARK, COUNTY OF	STARK	1	OH	F	40	55	22.0	81	7	12.0	851.9500	44	300.0
WPLP821	STARK, COUNTY OF	STARK	6	OH	F	40	44	32.1	81	13	35.3	851.9500	44	300.0
WPLP821	STARK, COUNTY OF	STARK	5	OH	F	40	47	50.2	81	16	7.9	851.9500	44	300.0
WPLP821	STARK, COUNTY OF	STARK	3	OH	F	40	41	12.4	81	33	44.3	851.9500	44	300.0
WPLP821	STARK, COUNTY OF	STARK	2	OH	F	40	57	15.5	81	19	17.6	851.9500	44	300.0
WPLP821	STARK, COUNTY OF	STARK	4	OH	F	40	53	20.0	81	37	19.0	851.9500	44	300.0
WPLP821	STARK, COUNTY OF	STARK	1	OH	F	40	55	22.0	81	7	12.0	852.3125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	6	OH	F	40	44	32.1	81	13	35.3	852.3125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	5	OH	F	40	47	50.2	81	16	7.9	852.3125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	3	OH	F	40	41	12.4	81	33	44.3	852.3125	44	300.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPLP821	STARK, COUNTY OF	STARK	2	OH	F	40	57	15.5	81	19	17.6	852.3125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	4	OH	F	40	53	20.0	81	37	19.0	852.3125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	1	OH	F	40	55	22.0	81	7	12.0	853.1125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	6	OH	F	40	44	32.1	81	13	35.3	853.1125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	5	OH	F	40	47	50.2	81	16	7.9	853.1125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	3	OH	F	40	41	12.4	81	33	44.3	853.1125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	2	OH	F	40	57	15.5	81	19	17.6	853.1125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	4	OH	F	40	53	20.0	81	37	19.0	853.1125	44	300.0
WPLP821	STARK, COUNTY OF	STARK	1	OH	F	40	55	22.0	81	7	12.0	853.4000	44	300.0
WPLP821	STARK, COUNTY OF	STARK	6	OH	F	40	44	32.1	81	13	35.3	853.4000	44	300.0
WPLP821	STARK, COUNTY OF	STARK	5	OH	F	40	47	50.2	81	16	7.9	853.4000	44	300.0
WPLP821	STARK, COUNTY OF	STARK	3	OH	F	40	41	12.4	81	33	44.3	853.4000	44	300.0
WPLP821	STARK, COUNTY OF	STARK	2	OH	F	40	57	15.5	81	19	17.6	853.4000	44	300.0
WPLP821	STARK, COUNTY OF	STARK	4	OH	F	40	53	20.0	81	37	19.0	853.4000	44	300.0
WPLP822	STARK, COUNTY OF	STARK	5	OH	F	40	48	23.0	81	8	58.0	851.3375	49	300.0
WPLP822	STARK, COUNTY OF	STARK	4	OH	F	40	40	16.8	81	24	0.5	851.3375	40	300.0
WPLP822	STARK, COUNTY OF	STARK	5	OH	F	40	48	23.0	81	8	58.0	851.4875	49	300.0
WPLP822	STARK, COUNTY OF	STARK	4	OH	F	40	40	16.8	81	24	0.5	851.4875	40	300.0
WPLP822	STARK, COUNTY OF	STARK	5	OH	F	40	48	23.0	81	8	58.0	851.9500	49	300.0
WPLP822	STARK, COUNTY OF	STARK	4	OH	F	40	40	16.8	81	24	0.5	851.9500	40	300.0
WPLP822	STARK, COUNTY OF	STARK	5	OH	F	40	48	23.0	81	8	58.0	852.3125	49	300.0
WPLP822	STARK, COUNTY OF	STARK	4	OH	F	40	40	16.8	81	24	0.5	852.3125	40	300.0
WPLP822	STARK, COUNTY OF	STARK	5	OH	F	40	48	23.0	81	8	58.0	853.1125	49	300.0
WPLP822	STARK, COUNTY OF	STARK	4	OH	F	40	40	16.8	81	24	0.5	853.1125	40	300.0
WPLP822	STARK, COUNTY OF	STARK	5	OH	F	40	48	23.0	81	8	58.0	853.4000	49	300.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPLP822	STARK, COUNTY OF	STARK	4	OH	F	40	40	16.8	81	24	0.5	853.4000	40	300.0
WPLZ384	SKAGIT, COUNTY OF	SKAGIT	1	WA	F	48	35	41.4	122	9	39.6	852.7500	11	156.0
WPLZ384	SKAGIT, COUNTY OF	SKAGIT	1	WA	F	48	35	41.4	122	9	39.6	853.6375	11	156.0
WPMD246	ONONDAGA, COUNTY OF	ONONDAGA	1	NY	F	42	56	54.2	76	1	25.7	858.3375	107	120.0
WPMD246	ONONDAGA, COUNTY OF	ONONDAGA	1	NY	F	42	56	54.2	76	1	25.7	858.6125	107	120.0
WPMD246	ONONDAGA, COUNTY OF	ONONDAGA	1	NY	F	42	56	54.2	76	1	25.7	858.8875	107	120.0
WPMD246	ONONDAGA, COUNTY OF	ONONDAGA	1	NY	F	42	56	54.2	76	1	25.7	859.1625	107	120.0
WPMD246	ONONDAGA, COUNTY OF	ONONDAGA	1	NY	F	42	56	54.2	76	1	25.7	859.4125	107	120.0
WPMI422	AG AIR INC	LIBERTY	1	MT	F	48	51	15.0	111	8	28.9	862.3125	24	100.0
WPMR806	NORTHERN BORDER PIPELINE COMPANY	PHILLIPS	1	MT	F	48	37	44.1	106	40	46.2	862.5625	49	270.0
WPMR806	NORTHERN BORDER PIPELINE COMPANY	PHILLIPS	1	MT	F	48	37	44.1	106	40	46.2	862.8125	49	270.0
WPMS929	WASHINGTON, STATE OF; Dept. of Transportation	PEND OREILLE	1	WA	F	48	55	7.7	117	25	0.9	853.0875	9	100.0
WPMS929	WASHINGTON, STATE OF; Dept. of Transportation	PEND OREILLE	1	WA	F	48	55	7.7	117	25	0.9	853.4125	9	100.0
WPMS929	WASHINGTON, STATE OF; Dept. of Transportation	PEND OREILLE	1	WA	F	48	55	7.7	117	25	0.9	853.9750	9	100.0
WPMS956	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	17	2.6	117	34	18.8	852.0375	24	100.0
WPMS956	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	17	2.6	117	34	18.8	853.0375	24	100.0
WPMS961	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	54	31.7	117	52	11.0	852.0375	12	200.0
WPMS961	WASHINGTON, STATE OF; Dept. of Transportation	STEVENS	1	WA	F	48	54	31.7	117	52	11.0	853.0375	12	200.0
WPMV266	CONSUMERS ENERGY COMPANY	IOSCO	1	MI	F	44	24	3.1	83	48	6.0	858.9625	127	250.0
WPMV266	CONSUMERS ENERGY COMPANY	IOSCO	1	MI	F	44	24	3.1	83	48	6.0	860.0875	127	250.0
WPMV266	CONSUMERS ENERGY COMPANY	IOSCO	1	MI	F	44	24	3.1	83	48	6.0	861.0125	127	500.0
WPMV943	SNOHOMISH, COUNTY OF	SKAGIT	9	WA	F	48	18	8.0	121	59	47.0	853.7250	48.8	220.0
WPOY909	FELHC, Inc.	ERIE	1	PA	F	42	3	26.2	79	59	44.2	863.9625	107	40.0
WPOY909	FELHC, Inc.	ERIE	1	PA	F	42	3	26.2	79	59	44.2	864.3375	107	40.0
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	863.7875	149	500.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	864.0375	149	500.0
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	864.0375	149	500.0
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	864.3125	149	500.0
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	864.5625	149	500.0
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	864.5625	149	500.0
WPPC523	INFORMATION TRANSFER SYSTEMS	ERIE	1	PA	F	42	5	10.0	79	52	41.0	864.8125	149	500.0
WPPC814	OAKLAND, COUNTY OF	OAKLAND	1	MI	F	42	38	41.0	83	17	52.0	851.1375	94	150.0
WPQC719	OHIO, STATE OF	MORROW	1	OH	F	40	41	16.2	82	40	40.6	854.6625	61	132.0
WPQC721	OHIO, STATE OF	ASHLAND	1	OH	F	41	3	40.2	82	22	36.6	856.1875	61	132.0
WPQC722	OHIO, STATE OF	GEAUGA	1	OH	F	41	31	54.2	81	21	38.4	855.0125	58	134.0
WPQC723	OHIO, STATE OF	MAHONING	5	OH	F	40	54	23.2	80	54	38.3	858.6125	183	56.0
WPQD340	MICHIGAN, STATE OF	PRESQUE ISLE	1	MI	F	45	13	47.0	83	58	3.0	851.0125	152	138.0
WPQD340	MICHIGAN, STATE OF	PRESQUE ISLE	1	MI	F	45	13	47.0	83	58	3.0	852.4875	152	138.0
WPQD340	MICHIGAN, STATE OF	PRESQUE ISLE	1	MI	F	45	13	47.0	83	58	3.0	852.9875	152	138.0
WPQD340	MICHIGAN, STATE OF	PRESQUE ISLE	1	MI	F	45	13	47.0	83	58	3.0	853.4875	152	138.0
WPQD340	MICHIGAN, STATE OF	PRESQUE ISLE	1	MI	F	45	13	47.0	83	58	3.0	853.9875	152	138.0
WPQD341	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	44	56	53.0	84	11	6.0	851.0125	152	138.0
WPQD341	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	44	56	53.0	84	11	6.0	851.3750	152	138.0
WPQD341	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	44	56	53.0	84	11	6.0	851.8750	152	138.0
WPQD341	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	44	56	53.0	84	11	6.0	852.3750	152	138.0
WPQD341	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	44	56	53.0	84	11	6.0	852.8750	152	138.0
WPQD347	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	43	40.1	84	21	46.1	851.0125	139	147.8
WPQD347	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	43	40.1	84	21	46.1	851.4000	139	147.8
WPQD347	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	43	40.1	84	21	46.1	851.9000	139	147.8
WPQD347	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	43	40.1	84	21	46.1	852.4000	139	147.8

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPQD347	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	43	40.1	84	21	46.1	853.9000	139	147.8
WPQD348	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	47	9.0	83	19	53.9	851.0125	152	257.0
WPQD348	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	47	9.0	83	19	53.9	851.9375	152	257.0
WPQD348	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	47	9.0	83	19	53.9	852.9375	152	257.0
WPQD348	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	47	9.0	83	19	53.9	853.4375	152	257.0
WPQD348	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	47	9.0	83	19	53.9	853.9375	152	257.0
WPQD350	MICHIGAN, STATE OF	ALPENA	1	MI	F	44	54	9.0	83	46	15.0	851.0125	152	138.0
WPQD350	MICHIGAN, STATE OF	ALPENA	1	MI	F	44	54	9.0	83	46	15.0	851.9875	152	138.0
WPQD350	MICHIGAN, STATE OF	ALPENA	1	MI	F	44	54	9.0	83	46	15.0	852.4750	152	138.0
WPQD350	MICHIGAN, STATE OF	ALPENA	1	MI	F	44	54	9.0	83	46	15.0	852.9625	152	138.0
WPQD350	MICHIGAN, STATE OF	ALPENA	1	MI	F	44	54	9.0	83	46	15.0	853.9500	152	138.0
WPQD352	MICHIGAN, STATE OF	ALPENA	1	MI	F	45	3	40.0	83	43	37.0	851.0125	106	177.8
WPQD352	MICHIGAN, STATE OF	ALPENA	1	MI	F	45	3	40.0	83	43	37.0	851.4875	106	177.8
WPQD352	MICHIGAN, STATE OF	ALPENA	1	MI	F	45	3	40.0	83	43	37.0	851.9625	106	177.8
WPQD352	MICHIGAN, STATE OF	ALPENA	1	MI	F	45	3	40.0	83	43	37.0	852.4375	106	177.8
WPQD352	MICHIGAN, STATE OF	ALPENA	1	MI	F	45	3	40.0	83	43	37.0	853.3875	106	177.8
WPQD355	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	28	28.1	83	55	45.0	851.0125	149	138.0
WPQD355	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	28	28.1	83	55	45.0	851.4250	149	138.0
WPQD355	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	28	28.1	83	55	45.0	852.9250	149	138.0
WPQD355	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	28	28.1	83	55	45.0	853.4250	149	138.0
WPQD355	MICHIGAN, STATE OF	OSCODA	1	MI	F	44	28	28.1	83	55	45.0	853.9250	149	138.0
WPQD356	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	44	27.0	83	32	5.9	851.0125	152	138.0
WPQD356	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	44	27.0	83	32	5.9	852.1875	152	138.0
WPQD356	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	44	27.0	83	32	5.9	852.4500	152	138.0
WPQD356	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	44	27.0	83	32	5.9	852.9500	152	138.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPQD356	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	44	27.0	83	32	5.9	853.4500	152	138.0
WPQD358	MICHIGAN, STATE OF	OTSEGO	1	MI	F	44	52	44.0	84	40	50.1	851.0125	152	138.0
WPQD358	MICHIGAN, STATE OF	OTSEGO	1	MI	F	44	52	44.0	84	40	50.1	851.9750	152	138.0
WPQD358	MICHIGAN, STATE OF	OTSEGO	1	MI	F	44	52	44.0	84	40	50.1	852.9750	152	138.0
WPQD358	MICHIGAN, STATE OF	OTSEGO	1	MI	F	44	52	44.0	84	40	50.1	853.4750	152	138.0
WPQD358	MICHIGAN, STATE OF	OTSEGO	1	MI	F	44	52	44.0	84	40	50.1	853.9750	152	138.0
WPQD360	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	39	7.0	83	43	56.9	851.0125	152	138.0
WPQD360	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	39	7.0	83	43	56.9	851.4625	152	138.0
WPQD360	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	39	7.0	83	43	56.9	852.4625	152	138.0
WPQD360	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	39	7.0	83	43	56.9	853.4625	152	138.0
WPQD360	MICHIGAN, STATE OF	ALCONA	1	MI	F	44	39	7.0	83	43	56.9	853.9625	152	138.0
WPQD368	MICHIGAN, STATE OF	EMMET	1	MI	F	45	41	14.0	84	53	58.2	851.0125	152	239.8
WPQD368	MICHIGAN, STATE OF	EMMET	1	MI	F	45	41	14.0	84	53	58.2	851.4875	152	239.8
WPQD368	MICHIGAN, STATE OF	EMMET	1	MI	F	45	41	14.0	84	53	58.2	851.9625	152	239.8
WPQD368	MICHIGAN, STATE OF	EMMET	1	MI	F	45	41	14.0	84	53	58.2	852.4375	152	239.8
WPQD368	MICHIGAN, STATE OF	EMMET	1	MI	F	45	41	14.0	84	53	58.2	853.3875	152	239.8
WPQD371	MICHIGAN, STATE OF	EMMET	1	MI	F	45	19	13.0	84	51	18.2	851.0125	152	138.0
WPQD371	MICHIGAN, STATE OF	EMMET	1	MI	F	45	19	13.0	84	51	18.2	851.4625	152	138.0
WPQD371	MICHIGAN, STATE OF	EMMET	1	MI	F	45	19	13.0	84	51	18.2	852.4625	152	138.0
WPQD371	MICHIGAN, STATE OF	EMMET	1	MI	F	45	19	13.0	84	51	18.2	853.4625	152	138.0
WPQD371	MICHIGAN, STATE OF	EMMET	1	MI	F	45	19	13.0	84	51	18.2	853.9625	152	138.0
WPQD376	MICHIGAN, STATE OF	EMMET	1	MI	F	45	27	57.0	84	57	51.2	851.0125	152	138.0
WPQD376	MICHIGAN, STATE OF	EMMET	1	MI	F	45	27	57.0	84	57	51.2	851.0625	152	138.0
WPQD376	MICHIGAN, STATE OF	EMMET	1	MI	F	45	27	57.0	84	57	51.2	851.6500	152	138.0
WPQD376	MICHIGAN, STATE OF	EMMET	1	MI	F	45	27	57.0	84	57	51.2	852.2750	152	138.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPQD376	MICHIGAN, STATE OF	EMMET	1	MI	F	45	27	57.0	84	57	51.2	853.1750	152	138.0
WPQD381	MICHIGAN, STATE OF	CHARLEVOIX	1	MI	F	45	10	20.0	84	45	7.1	851.0125	152	138.0
WPQD381	MICHIGAN, STATE OF	CHARLEVOIX	1	MI	F	45	10	20.0	84	45	7.1	851.4250	152	138.0
WPQD381	MICHIGAN, STATE OF	CHARLEVOIX	1	MI	F	45	10	20.0	84	45	7.1	852.2125	152	138.0
WPQD381	MICHIGAN, STATE OF	CHARLEVOIX	1	MI	F	45	10	20.0	84	45	7.1	852.9250	152	138.0
WPQD381	MICHIGAN, STATE OF	CHARLEVOIX	1	MI	F	45	10	20.0	84	45	7.1	853.4250	152	138.0
WPQD381	MICHIGAN, STATE OF	CHARLEVOIX	1	MI	F	45	10	20.0	84	45	7.1	853.9250	152	138.0
WPQD467	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	28	35.1	83	31	14.9	851.0125	152	257.0
WPQD467	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	28	35.1	83	31	14.9	851.8625	152	257.0
WPQD467	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	28	35.1	83	31	14.9	852.8625	152	257.0
WPQD467	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	28	35.1	83	31	14.9	853.3625	152	257.0
WPQD467	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	28	35.1	83	31	14.9	853.8625	152	257.0
WPQD468	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	13	49.1	83	45	23.9	851.0125	152	138.0
WPQD468	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	13	49.1	83	45	23.9	851.9750	152	138.0
WPQD468	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	13	49.1	83	45	23.9	852.9750	152	138.0
WPQD468	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	13	49.1	83	45	23.9	853.4750	152	138.0
WPQD468	MICHIGAN, STATE OF	IOSCO	1	MI	F	44	13	49.1	83	45	23.9	853.9750	152	138.0
WPQE336	OHIO, STATE OF	GEAUGA	6	OH	F	41	35	11.2	81	7	56.4	855.0125	110	95.0
WPQE336	OHIO, STATE OF	TRUMBULL	3	OH	F	41	18	0.2	80	32	0.3	856.5125	55	137.0
WPQF736	OHIO, STATE OF	MAHONING	6	OH	F	40	54	23.2	80	54	38.3	851.0125	183	56.0
WPQF736	OHIO, STATE OF	MAHONING	6	OH	F	40	54	23.2	80	54	38.3	851.5125	183	56.0
WPQF737	OHIO, STATE OF	GEAUGA	6	OH	F	41	35	11.2	81	7	56.4	851.0125	110	95.0
WPQF737	OHIO, STATE OF	GEAUGA	6	OH	F	41	35	11.2	81	7	56.4	851.5125	110	95.0
WPQF787	OHIO, STATE OF	MAHONING	2	OH	F	40	54	23.2	80	54	38.3	852.0500	183	56.0
WPQF787	OHIO, STATE OF	MAHONING	2	OH	F	40	54	23.2	80	54	38.3	852.2000	183	56.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPQF787	OHIO, STATE OF	MAHONING	2	OH	F	40	54	23.2	80	54	38.3	852.6250	183	56.0
WPQF787	OHIO, STATE OF	MAHONING	2	OH	F	40	54	23.2	80	54	38.3	853.0625	183	56.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	851.2875	304.8	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	851.2875	157.6	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	851.2875	110	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	851.4625	304.8	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	851.4625	157.6	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	851.4625	110	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	851.9125	304.8	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	851.9125	157.6	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	851.9125	110	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	852.3625	304.8	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	852.3625	157.6	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	852.3625	110	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	852.8125	304.8	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	852.8125	157.6	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	852.8125	110	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	852.9875	304.8	50.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	852.9875	157.6	50.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	852.9875	110	50.0
WPQF924	GENESEE, COUNTY OF	GENESEE	3	NY	F	42	53	42.0	78	0	55.0	853.0375	304.8	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	1	NY	F	42	59	7.0	78	9	34.0	853.0375	157.6	88.0
WPQF924	GENESEE, COUNTY OF	GENESEE	2	NY	F	42	59	24.0	78	23	31.0	853.0375	110	88.0
WPQG665	OHIO, STATE OF	GEAUGA	2	OH	F	41	35	11.2	81	7	56.4	852.1875	110	95.0
WPQG665	OHIO, STATE OF	GEAUGA	2	OH	F	41	35	11.2	81	7	56.4	852.4875	110	95.0

Call Ssign	Licensee Name	Location County Name	Location Number	Location State	Location Type	Latitude			Longitude			TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (watts)
						Deg	Min	Sec	Deg	Min	Sec			
WPQG665	OHIO, STATE OF	GEAUGA	2	OH	F	41	35	11.2	81	7	56.4	852.8875	110	95.0
WPQI447	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	45	8	18.0	84	9	47.0	851.0125	152	239.9
WPQI447	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	45	8	18.0	84	9	47.0	851.9500	152	239.9
WPQI447	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	45	8	18.0	84	9	47.0	852.4250	152	239.9
WPQI447	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	45	8	18.0	84	9	47.0	852.9000	152	239.9
WPQI447	MICHIGAN, STATE OF	MONTMORENCY	1	MI	F	45	8	18.0	84	9	47.0	853.8750	152	239.9
WPQJ283	OHIO, STATE OF	MEDINA	1	OH	F	41	4	49.2	81	51	39.5	854.8125	49	143.0
WPRF275	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	22	18.6	119	3	41.1	852.0875	18	200.0
WPRF275	WASHINGTON, STATE OF; Dept. of Transportation	OKANOGAN	1	WA	F	48	22	18.6	119	3	41.1	853.0625	18	200.0
WPRF652	MIDWEST ENERGY COOPERATIVE	LENAWEE	1	MI	F	41	44	41.2	84	1	5.8	861.7875	183	250.0
WPRH880	WASHINGTON, STATE OF; Dept. of Transportation	PEND OREILLE	1	WA	F	48	29	59.7	117	17	58.8	853.1125	12	200.0
WPRH880	WASHINGTON, STATE OF; Dept. of Transportation	PEND OREILLE	1	WA	F	48	29	59.7	117	17	58.8	853.9875	12	200.0
WPSS276	MINNESOTA, STATE OF	BELTRAMI	2	MN	F	47	28	12.6	94	49	18.0	854.0375	33.5	453.0
WPUY429	KING, COUNTY OF	KING	3	WA	F	47	30	16.3	121	58	20.4	851.7625	30	140.0
WQBZ750	TOMPKINS, COUNTY OF	TOMPKINS	3	NY	F	42	30	28.9	76	15	35.6	854.0125	57.9	40.0
WQBZ750	TOMPKINS, COUNTY OF	TOMPKINS	3	NY	F	42	30	28.9	76	15	35.6	854.3125	57.9	40.0
WQBZ750	TOMPKINS, COUNTY OF	TOMPKINS	3	NY	F	42	30	28.9	76	15	35.6	854.4875	57.9	40.0
WQBZ750	TOMPKINS, COUNTY OF	TOMPKINS	3	NY	F	42	30	28.9	76	15	35.6	855.0125	57.9	40.0
WQBZ750	TOMPKINS, COUNTY OF	TOMPKINS	3	NY	F	42	30	28.9	76	15	35.6	855.3125	57.9	40.0

Table C3 lists Canadian assignments that are granted protection against harmful interference from stations in the United States. These assignments may continue operating at the indicated parameters but are subject to coordination if modifications are made which would extend their existing 22 dBµV/m interference contour further in the direction of the common border and exceed the technical limits described in section 5.

Table C3
List of Canadian assignments that are granted protection against harmful interference from stations in the United States

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VAZ445	44020006001	Union Gas Limited, C/O: Spectra	AYLMER (HWY # 3 EAST - BELL TOWER)	44	Chatham ON	424648	805123	857.6625	46	20.5
CGA882	43032101001	TELUS Communications Company	ON0527 DELHI- 1126 FERTILIZER ROAD	44	Scarborough ON	425024	802803	855.1625	90	18.2
CGA882	44029980001	TELUS Communications Company	ON0527 DELHI- 1126 FERTILIZER ROAD	44	Scarborough ON	425024	802803	853.3125	90	18.2
CGA882	44031565001	TELUS Communications Company	ON0527 DELHI- 1126 FERTILIZER ROAD	44	Scarborough ON	425024	802803	858.8625	90	18.2
CGA882	43032101003	TELUS Communications Company	ON0527 DELHI- 1126 FERTILIZER ROAD	44	Scarborough ON	425024	802803	853.3375	90	18.2
CGA882	43032101002	TELUS Communications Company	ON0527 DELHI- 1126 FERTILIZER ROAD	44	Scarborough ON	425024	802803	853.2875	90	18.2
CGA943	43032115002	TELUS Communications Company	ON0528 SIMCOE- 250 - 13TH STREET WE	44	Scarborough ON	425124	802016	856.5125	90	18.2
CGA943	43032115001	TELUS Communications Company	ON0528 SIMCOE- 250 - 13TH STREET WE	44	Scarborough ON	425124	802016	861.5375	90	18.2
CGA943	43032115003	TELUS Communications Company	ON0528 SIMCOE- 250 - 13TH STREET WE	44	Scarborough ON	425124	802016	856.5625	90	18.2
CGA943	43032115004	TELUS Communications Company	ON0528 SIMCOE- 250 - 13TH STREET WE	44	Scarborough ON	425124	802016	856.5375	90	18.2
CGA943	44030029001	TELUS Communications Company	ON0528 SIMCOE- 250 - 13TH STREET WE	44	Scarborough ON	425124	802016	855.1375	90	18.2
CGA943	44031361001	TELUS Communications Company	ON0528 SIMCOE- 250 - 13TH STREET WE	44	Scarborough ON	425124	802016	860.0625	90	18.2
VEQ695	44029979001	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	857.6875	90	16.8
VEQ695	44029979002	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	853.4375	90	16.8
VEQ695	44028144001	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	855.4125	90	16.8
VEQ695	44028144002	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	861.6125	90	16.8

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VEQ695	44028144004	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	865.2375	90	16.8
VEQ695	44028144003	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	853.4875	90	16.8
VEQ695	44031365001	TELUS Communications Company	ON0867 TILLSONBURG- R.R.#6-2 ROKEBY	44	Scarborough ON	425024	804242	861.8875	90	16.8
CGA876	44028145002	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	853.3875	90	15.4
CGA876	44028145001	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	861.3375	90	15.4
CGA876	44028145003	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	858.7875	90	15.4
CGA876	44028145004	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	865.2625	90	15.4
CGA876	46032109004	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	865.0625	90	15.4
CGA876	44030235001	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	854.8875	90	15.4
CGA876	44030911001	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	863.2625	90	15.4
CGA876	44031292001	TELUS Communications Company	ON0526 AYLMER- 50478 TALBOT LINE	44	Scarborough ON	424524	805629	865.9125	90	15.4
CGA938	43032127001	TELUS Communications Company	ON0531 NANTICOKE- 261 CONCESSION 1	44	Scarborough ON	424824	801128	863.3375	90	14.8
CGA938	43032127002	TELUS Communications Company	ON0531 NANTICOKE- 261 CONCESSION 1	44	Scarborough ON	424824	801128	858.4375	90	14.8
CGA938	43032127003	TELUS Communications Company	ON0531 NANTICOKE- 261 CONCESSION 1	44	Scarborough ON	424824	801128	858.4875	90	14.8
CGA938	44030445001	TELUS Communications Company	ON0531 NANTICOKE- 261 CONCESSION 1	44	Scarborough ON	424824	801128	861.8625	90	14.8
VCQ650	44029388001	Union Gas Limited, C/O: Spectra	SIMCOE (PT L13, C6, CHARLOTTEVILLE)	44	Chatham ON	424631	802339	857.6625	99	21.3
CIY349	44030640001	Oxford Communications LTD	WALSH ON(PT L13, C6 NORFOLK COUNTY)	44	Woodstock ON	424631	802339	862.0375	99	19.1
CIY349	44030640002	Oxford Communications LTD	WALSH ON(PT L13, C6 NORFOLK COUNTY)	44	Woodstock ON	424631	802339	858.8125	99	19.1
CIY349	44030640003	Oxford Communications LTD	WALSH ON(PT L13, C6 NORFOLK COUNTY)	44	Woodstock ON	424631	802339	859.0625	99	19.1
VFK319	44031406012	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	864.5375	90	18.3
VFK319	44031406009	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	860.8875	90	18.3
VFK319	44031406008	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	864.2125	90	18.3
VFK319	44031406005	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	854.9375	90	18.3

Call Sign	Licence Frequency Record Identifier	Licensee Name	Station location	Administrative District Office	City, Province	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
VFK319	44031406001	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	853.5625	90	18.3
VFK319	44031406004	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	864.7875	90	18.3
VFK319	44031406002	TELUS Communications Company	ON1972 PORT BURWELL- 8440 PLANK ROA	44	Scarborough ON	423943	804748	853.5875	90	18.3

Tables C4-1 and C4-2 lists Canadian assignments within the coordination zone that exceed the secondary PFD limits specified in section 7.1, and that may continue to operate using the parameters with which they were authorized as of August 1, 2011.

Table C4-1
List of Canadian assignments that exceed the secondary PFD limits specified in section 7.1 of this Arrangement

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
12059665009	BC-0445-1	Kirkstone Park	491953	1230254	863.3375	33	16.4
12066682011	BC-0443-2	Hillcrest Park	491440	1230605	863.5875	15	15.4
12059638003	BC-0065-2	Cloverdale	490644	1224241	862.5125	37	15.4
13038482001	BC-0555-1	Mt. Horne	491720	1244200	863.4375	54	17.8
13034473001	BC-0518-1	Downtown Victoria	482531	1232152	863.0625	45	16.1
12060728001	BC-0008-1	Sandman Inn (Stadium)	491644	1230648	863.5875	35	17.6
12066327001	BC-0080-1	Lougheed/224th St	491323	1223606	862.5125	34	19.3
12066322009	BC-0038-1	Boundary	491552	1230124	862.5125	36	15.6
12066640002	BC-0022-3	Steveston	490826	1230934	862.5125	25.6	15.2
12067125001	BC-0314-1	Powell River	495246	1243053	862.8125	47	18.1
12060955005	BC-0429-3	Broadway/Granville	491548	1230820	862.8125	27	17.1
12070900002	BC-0518-1	Downtown Victoria	482531	1232152	862.8125	45	16.1
12066608003	BC-0558-1	Creekside	500550	1230012	862.8125	33	16.1
13015957002	BC-0590-3	Pitt Meadows	491349	1224049	862.8125	35	16.5

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
12067124004	BC-0313-2	Texada	494151	1242621	863.0625	42	18.6
12066397011	BC-0037-1	Broadmoor	490942	1230756	863.0625	30	14.3
12066062002	BC-0242-2	Knight St./Kingsway	491505	1230408	863.3375	19.5	17.2
12064919001	BC-0080-3	Lougheed/224th St	491323	1223606	863.3375	34	18.8
12066643004	BC-1017-2	Bradner (relocated from BC0578)	490554	1222859	863.3375	42.5	15.3
12063366001	BC-0468-2	FraserHwy/King George	491055	1225029	863.3375	50	15.4
12067194001	BC-0196-1	Pemberton	502120	1224640	863.4375	70	13.3
12066894002	BC-0527-1	Ryder Lake	490652	1215407	863.5375	45	19.9
13038486001	BC-0537-1	Comox	494257	1245843	863.5375	107	18.3
12066622002	BC-0084-2	Newton Landmark, P-BC-084 Colocate	490804	1225037	863.5875	19	16.5
13039369001	BC-0305-1	Mt. Washington	494507	1251505	863.5875	15	18.2
12071187001	BC-0549-1	Skirt Mtn.	483001	1233214	863.5875	30	15.8
12066564002	BC-0449-1	Hope	492314	1212511	863.7125	42	15.2
12066641006	BC-0527-3	Ryder Lake	490652	1215407	863.7125	45	16.9
18008195004	BC-0468-1	FraserHwy/King George	491055	1225029	863.5375	50	15.3
12070013001	BC-1180-2	Westridge	491649	1225747	863.0625	22	12.4
12071116001	BC-0563-1	Cheakamus Canyon	495053	1231121	862.6875	53	14.3
13037898001	BC-0221-1	Sandown Raceway	483940	1232505	863.5375	28	19.8
12066681003	BC-0525-1	Belcarra	491928	1225512	862.8125	60	19.9
12059674003	BC-0489-3	Austin / North Road	491460	1225330	862.8125	60	15.5
12064939004	BC-0143-2	Aldergrove	490360	1222736	863.0625	39	15.6
12067123002	BC-0312-1	Pender Harbour	493654	1240017	863.1125	38	18.2
12060825001	BC-0036-3	No. 3 Rd./Cambie	491107	1230812	863.5875	18	15.2
13034466004	BC-0210-2	Esquimalt 2	482548	1232421	863.5375	15	18.9
13038484003	BC-0345-1	Cumberland	493716	1250011	863.8375	80	16.2
12063364001	BC-0435-1	Chilliwack (corridor)	490635	1215047	863.3375	25	14.0
12059628005	BC-0024-1	George Massey Tunnel	490737	1230503	863.5875	40.26	15.1

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
12064890001	BC-0086-1	Grandview Heights	490207	1224603	863.5375	26	16.8
12059632003	BC-0041-1	Fullerton Ave - Woodcroft	491947	1230724	863.5375	64	15.6
12066588008	BC-0575-1	Kitsilano	491613	1230929	863.7125	35	11.9
12066682012	BC-0443-1	Hillcrest Park	491440	1230605	864.0375	15	15.4
13037663001	BC-0534-1	Parksville	491740	1241925	862.6875	17	18.5
12071115002	BC-0189-2	Willow Point	495802	1251233	862.6875	25	16.6
12066327006	BC-0049-3	Mt. Pleasant	491545	1230610	863.0625	22.9	11.1
18008195003	BC-0017-3	Hwy 99/King George	490457	1224951	863.0625	34.4	15.7
12063398001	BC-0009-1	Surrey Sheraton	491131	1224757	863.0625	62.9	18.5
12069894001	BC-0434-1	Chilliwack Centre	491006	1215713	863.0625	30	15.9
12060473001	BC-0408-3	Patullo Bridge	491231	1225409	863.5375	40	16.3
13037898007	BC-0221-3	Sandown Raceway	483940	1232505	862.8125	28	19.8
12066594005	BC-0145-2	Hwy 1/232nd MOTH (was BC-577)	490804	1223449	862.8125	38	18.6
12066092001	BC-0139-1	Huntington	490109	1221519	862.8125	31	19.1
12066085001	BC-0061-1	Softball City	490233	1224907	863.7125	52	10.2
13031155003	BC-0570-1	Tynehead	491101	1224405	863.5875	43	16.1
12066588004	BC-0575-2	Kitsilano	491613	1230929	863.5875	35	14.9
12066322004	BC-0038-3	Boundary	491552	1230124	863.7125	36	15.6
12071300001	BC-0318-1	Woodgrove	491415	1240232	863.8375	36	15.5
13037664001	BC-0551-1	Nanoose Bay	491621	1240800	862.7125	50	22.4
12066006003	BC-0054-1	Brussels Chocoloates	491615	1230512	862.8125	20	16.2
12059630006	BC-0028-1	Knight Street Bridge	491217	1230432	862.8125	42.6	15.7
12063260002	BC-0416-3	Chancellor Place	490857	1225330	862.5125	50	14.5
N/A	BC-0558-3	Creekside	500550	1230012	863.8375	33	19.1
12063258003	BC-0428-2	Burrard/Pender	491712	1230706	862.5125	63	15.5
12059640003	BC-0072-3	Newport Village	491643	1224937	863.5375	60	18.8
13038020001	BC-0573-1	Lake Cowichan	485000	1240424	862.6875	49	14.1

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
12060823002	BC-0410-1	YVR Air Canada Hangar	491125	1230947	863.7125	47	15.9
13034464001	BC-0207-1	Mt. Douglas	482932	1232042	863.7125	12	15.9
12060949003	BC-0227-1	Hillron	490354	1223125	863.5875	55	18.9
12066612004	BC-0003-2	Sandwell Bldg	491648	1230724	863.5375	32	15.9
12069472003	BC-0012-3	UBC	491554	1231432	863.5375	40.5	12.8
12067197002	BC-0564-1	Garibaldi	495721	1231024	863.1125	30	13.5
N/A	BC-0685-3	Mill Lake	490257	1221902	863.7125	20	14.2
12066522006	BC-0047-1	10th Ave/ Blanca, Van	491552	1231253	864.0375	30	14.6
12066391001	BC-0065-3	Cloverdale	490644	1224241	864.0375	37	13.9
12060826001	BC-0491-2	Metrotown	491338	1225934	863.5375	50	14.6
12066832001	BC-0437-3	Aldergrove South	490154	1223014	863.5375	34	19.0
12066384002	BC-0585-1	Yarrow, Chilliwack	490620	1220412	864.0375	55	20.1
12066643009	BC-1017-1	Bradner (relocated from BC0578)	490554	1222859	864.0375	42.5	18.3
12036911002	BC-0102-2	Curtis Lumber	491203	1225918	864.0625	40	19.8
12066509004	BC-0017-1	Hwy 99/King George	490457	1224951	864.0625	34.4	18.7
13034470004	BC-0215-2	BC Hydro Tower (View Royal)	482737	1232634	864.0625	28	18.3
N/A	BC-0386-2	Cultus Lake	490439	1215827	864.0625	45	19.9
12066383003	BC-0405-2	Lower Lonsdale	491842	1230428	864.0625	50	17.5
12059655006	BC-0408-1	Patullo Bridge	491231	1225409	864.0625	40	16.3
12066832006	BC-0437-1	Aldergrove South	490154	1223014	864.0625	34	19.0
12059668001	BC-0456-3	Camelia Court	491535	1230656	864.0625	43	14.2
12066642012	BC-0574-2	Sea Island	491245	1231011	864.0625	32	16.1
13038488001	BC-0539-1	Campbell River	500104	1251455	864.0375	70	16.5
12066514007	BC-0003-1	Sandwell Bldg	491648	1230724	864.0375	31	15.9
12059626006	BC-0018-1	Delta Conference Center	491115	1230635	864.0375	49.8	17.2
12059627002	BC-0022-1	Steveston	490826	1230934	863.3375	25.6	15.2
42086833003	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	851.9375	60	13.22

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
42087570001	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	851.9875	60	13.22
42087922004	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	852.9375	60	13.22
42087922010	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	861.7375	60	18.26
42087922016	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	852.9875	60	18.26
42088181009	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	861.8625	60	18.26
42088219013	ON1225	London - Hamilton Rd/Clark Rd	425841	810919	861.5125	60	16.43
44022001002	ON0081	Chatham	422325	821123	854.9625	60	17.16
44022661001	ON0077	London - King St/Wellington St	425906	811440	863.0125	95	14.31
44023222001	ON0080	Ridgetown	422844	815408	862.3375	90	19.64
44023289001	ON0542	London Airport (Clarke/Oxford)	430040	811039	861.6375	44	18.69
44023289003	ON0542	London Airport (Clarke/Oxford)	430040	811039	855.9625	44	18.69
44023289005	ON0542	London Airport (Clarke/Oxford)	430040	811039	854.9125	44	18.69
44023290001	ON0791	London - Wellington Rd/Bradley Ave	425556	811350	861.9125	43	17
44023556001	ON0544	London West	425654	811910	854.6625	49	17.63
44023556003	ON0544	London West	425654	811910	854.9625	49	17.63
44023556006	ON0544	London West	425654	811910	854.9125	49	17.63
44023556007	ON0544	London West	425654	811910	853.9875	49	17.63
44023556008	ON0544	London West	425654	811910	854.9875	49	17.63
44023556009	ON0544	London West	425654	811910	855.9875	49	17.63
44023556010	ON0544	London West	425654	811910	861.6375	49	15.05
44023556011	ON0544	London West	425654	811910	855.9625	49	15.05
44023558001	ON0077	London - King St/Wellington St	425906	811440	862.4625	95	17.4
44023772001	ON0077	London - King St/Wellington St	425906	811440	862.4375	95	17.4
44023790003	ON0835	Tecumseh	421845	825227	863.0125	52	14.77
44023811002	ON0534	Brights Grove	425952	821512	854.6625	60	18.26
44025013001	ON0081	Chatham	422325	821123	862.8625	60	17.16
44025036001	ON0529	Leamington	420427	823951	863.0125	71	17.85

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44025054012	ON0823	Huron Church/Malden	421654	830324	862.9625	32	19.54
44027577001	ON0077	London - King St/Wellington St	425906	811440	861.7875	95	14.31
44027675001	ON0823	Huron Church/Malden	421654	830324	861.9125	32	19.54
44027688002	ON0539	Strathroy	425833	813424	862.9875	90	19.78
44027744001	ON0078	Southwold	424741	812027	862.7375	90	19.87
44027765001	ON0542	London Airport (Clarke/Oxford)	430040	811039	853.9875	44	18.69
44027856003	ON1024	London - Fanshawe Rd W/Wonderland Rd N	430112	811852	851.9625	60	13.62
44027856004	ON1024	London - Fanshawe Rd W/Wonderland Rd N	430112	811852	853.9625	60	13.62
44028017003	ON0077	London - King St/Wellington St	425906	811440	862.6375	95	17.4
44028018002	ON0791	London - Wellington Rd/Bradley Ave	425556	811350	862.3375	45	17
44028018004	ON0791	London - Wellington Rd/Bradley Ave	425556	811350	861.8375	45	17
44028019014	ON0790	London - Wonderland Rd N/Commissoners Rd W	425706	811723	862.4125	37	16.99
44028019015	ON0790	London - Wonderland Rd N/Commissoners Rd W	425706	811723	862.8375	37	16.99
44028020002	ON0783	London - Western/Windermere Rd	430044	811629	861.8375	40	16.53
44028020003	ON0783	London - Western/Windermere Rd	430044	811629	862.8625	40	17.32
44028020005	ON0783	London - Western/Windermere Rd	430044	811629	852.9625	40	16.53
44028020016	ON0783	London - Western/Windermere Rd	430044	811629	862.3375	40	16.53
44028072005	ON0542	London Airport (Clarke/Oxford)	430040	811039	854.9875	44	18.69
44028072006	ON0542	London Airport (Clarke/Oxford)	430040	811039	855.9875	44	18.69
44028110001	ON1248	Dorchester - Hwy 401/Dorchester Rd	425750	810340	863.0125	60	16.81
44028110008	ON1248	Dorchester - Hwy 401/Dorchester Rd	425750	810340	862.8625	60	13.62
44028110010	ON1248	Dorchester - Hwy 401/Dorchester Rd	425750	810340	862.4125	60	16.81
44028110011	ON1248	Dorchester - Hwy 401/Dorchester Rd	425750	810340	862.8375	60	16.81
44028222001	ON1490	St. Thomas/Talbot St	424644	811159	861.6375	40	15.23
44028222002	ON1490	St. Thomas/Talbot St	424644	811159	855.9625	40	15.23
44028222005	ON1490	St. Thomas/Talbot St	424644	811159	861.7875	40	15.23
44028409004	ON1276	Amherstburg - Front St/Middle Side Rd	420843	830604	863.0125	40	17.48

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44028410007	ON0826	Windsor - Ouellette Pl/Ellis St E	421808	830144	863.0125	36	19.14
44028534001	ON0535	Sarnia Downtown	425828	822420	862.6375	78	19.03
44029432004	ON1510	Reeces Corners - Hwy402/Hwy 30	425955	820504	854.9625	90	14.47
44029435006	ON1515	Chatham - Park Ave E/Creek Road	422436	820958	862.8375	60	20
44029436002	ON1824	Forest	431032	815607	861.4125	90	13.62
44029444009	ON1495	Sarnia - Exmouth St/Murphy Rd	425907	822136	863.0125	35	15.31
44029444012	ON1495	Sarnia - Exmouth St/Murphy Rd	425907	822136	855.9875	35	15.31
44029445001	ON0783	London - Western/Windermere Rd	430044	811629	861.9125	40	14.15
44029602003	ON1820	Exeter	432142	812939	862.4875	90	19.78
44029603001	ON1825	Grand Bend	431815	814408	862.5125	90	19.87
44029604003	ON1822	Clinton	433512	812933	862.1625	90	19.68
44029630001	ON1401	Windsor - Riverside Dr/Walker Rd	421927	830025	863.0125	30	15.05
44029630015	ON1401	Windsor - Riverside Dr/Walker Rd	421927	830025	862.9875	30	15.05
44029656003	ON1095	Windsor-Tecumseh Rd E/Lauzon Rd	421911	825612	862.9625	35	18.69
44029742001	ON1821	Goderich	434327	814205	861.6375	90	20.49
44029742002	ON1821	Goderich	434327	814205	861.9625	90	20.49
44029742004	ON1821	Goderich	434327	814205	862.2125	90	20.49
44030266001	ON0539	Strathroy	425833	813424	861.9625	90	19.78
44030709001	ON1014	Windsor - North Talbot/Hwy401	421428	825802	861.9125	35	19.4
44030712001	ON1093	Maidstone	421031	825106	861.9125	43	15.05
44030729001	ON1409	Belle River - Notre Dame St/Charron Line Rd	421732	824239	862.9875	35	16.99
44030733001	ON1510	Reeces Corners - Hwy402/Hwy 30	425955	820504	862.3375	90	14.47
44030912001	ON1820	Exeter	432142	812939	852.9875	90	19.78
44030929001	ON0539	Strathroy	425833	813424	851.9875	90	19.78
44030963014	ON0786	London (Adelaide/Commissioners)	425735	811246	861.4375	60	16.9
44030963015	ON0786	London (Adelaide/Commissioners)	425735	811246	861.4625	60	16.9
44030963016	ON0786	London (Adelaide/Commissioners)	425735	811246	861.7625	60	16.9

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44030963017	ON0786	London (Adelaide/Commissioners)	425735	811246	862.2125	60	16.9
44031016001	ON1495	Sarnia - Exmouth St/Murphy Rd	425907	822136	861.9625	35	18.45
44031098020	ON1403	Windsor - Wyandotte St W/Church St	421853	830213	863.0125	33	18.49
44031109005	ON0821	St. Clair College	421445	830104	862.9875	35	17.18
44031109011	ON0821	St. Clair College	421445	830104	863.0125	35	17.18
44031130001	ON1944	Port Stanley - Dexter Line/Fairview Rd	424007	811109	851.9625	109	19.01
44031130002	ON1944	Port Stanley - Dexter Line/Fairview Rd	424007	811109	854.6625	109	19.01
44031130015	ON1944	Port Stanley - Dexter Line/Fairview Rd	424007	811109	861.5125	109	19.01
44031331001	ON1522	London - Highway 401/Highbury Ave	425600	811050	861.4125	60	16.7
44031331003	ON1522	London - Highway 401/Highbury Ave	425600	811050	861.9625	60	16.7
44031331004	ON1522	London - Highway 401/Highbury Ave	425600	811050	862.9875	60	16.7
44031331006	ON1522	London - Highway 401/Highbury Ave	425600	811050	851.9375	60	19.1
44031331007	ON1522	London - Highway 401/Highbury Ave	425600	811050	851.9875	60	19.1
44031331013	ON1522	London - Highway 401/Highbury Ave	425600	811050	861.4875	60	16.7
44031478001	ON1996	Dutton - Pioner Line/Currie Rd	424032	813027	853.9625	90	20.83
44031478002	ON1996	Dutton - Pioner Line/Currie Rd	424032	813027	861.8625	90	20.83
44031478003	ON1996	Dutton - Pioner Line/Currie Rd	424032	813027	862.4125	90	20.83
44031478005	ON1996	Dutton - Pioner Line/Currie Rd	424032	813027	862.7875	90	20.83
44031669001	ON0549	Wallaceburg	423412	822232	862.9875	90	19.87
44031765003	ON1849	London - Hwy 402/Colonel Talbot Rd	425320	811721	862.4875	70	17.63
44031765004	ON1849	London - Hwy 402/Colonel Talbot Rd	425320	811721	862.5125	70	17.63
44031765011	ON1849	London - Hwy 402/Colonel Talbot Rd	425320	811721	861.4125	70	17.63
44031815001	ON1966	Kincardine - Kincardine Ave/Hwy#21	440917	813658	854.9125	90	20.96
44031852001	ON1967	Tiverton - Concession Rd 4/Rd EF	441748	813359	851.9625	90	20.96
44031852002	ON1967	Tiverton - Concession Rd 4/Rd EF	441748	813359	854.6625	90	20.96
44031886001	ON0080	Ridgetown	422844	815408	854.6625	90	19.64
44032157003	ON1876	Tara - Concession Rd 12 / County Rd 10	443110	810832	861.5125	100	20.96

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44032691001	ON3695	London - Commissioners Rd E/Wellington Rd	425742	811336	852.9375	24	16.23
44032691002	ON3695	London - Commissioners Rd E/Wellington Rd	425742	811336	852.9625	24	16.23
46032038008	ON0952	Oxford - Hwy 2/Hwy19	431428	810627	862.7375	90	16

Table C4-2
List of Canadian assignments that exceed the secondary PFD limits specified in section 7.1 of this Arrangement

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44030723002	ON0929	Leamington	420213	823618	851.9625	40	20
44030908001	ON0929	Leamington	420213	823618	861.5125	40	19
44030492003	ON0929	Leamington	420213	823618	861.7375	40	19
44028582004	ON0929	Leamington	420213	823618	861.7625	40	20
44028583002	ON0929	Leamington	420213	823618	862.2125	40	19
44030112001	ON1016	Kingsville - Hwy 18/Heritage Rd	420226	824533	862.3375	40	18.13
44027656015	ON1016	Kingsville - Hwy 18/Heritage Rd	420226	824533	862.7375	40	20.88
44028780009	ON1417	Union - Union Ave/Seacliff Dr	420230	824102	862.5125	40	16.02
44028780001	ON1417	Union - Union Ave/Seacliff Dr	420230	824102	862.7375	40	16.02
44027921003	ON0529	Leamington	420427	823951	854.6625	71	17.85
44029832002	ON0529	Leamington	420427	823951	854.9125	71	15.05
44029606010	ON1418	N Leamington - Hwy77/5th Concession Rd	420446	823620	862.7375	40	17.24
44027661009	ON1007	Amhersburg-Lowes Side Rd/2 Concession Rd	420458	830605	862.7375	48	18.51
44031674001	ON1419	Wheatley - Erie Rd/Mersea Rc #5	420500	822810	852.9625	60	18.51
44028779005	ON1419	Wheatley - Erie Rd/Mersea Rc #5	420500	822810	862.5125	60	18.51
44027670007	ON1003	Cottam - Hwy3/County Rd 27	420803	824546	861.4375	40	18.45
44027670008	ON1003	Cottam - Hwy3/County Rd 27	420803	824546	861.4625	40	18.45

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44027657011	ON1093	Maidstone	421031	825106	852.9875	43	15.05
44027657009	ON1093	Maidstone	421031	825106	854.9625	43	15.05
44027658011	ON1006	Essex - 2 Conc Mainstone/Regional Rd 8	421041	824409	862.5125	40	17.4
44030938002	ON1405	Windsor - Howard Ave./Talbot	421233	825959	861.4375	40	16.17
44030938003	ON1405	Windsor - Howard Ave./Talbot	421233	825959	861.4625	40	16.17
44030938007	ON1405	Windsor - Howard Ave./Talbot	421233	825959	862.4125	40	16.21
44030215001	ON1413	Tecumseh - Talbot Rd/Sexton Sideroad	421307	825628	861.4375	45	17.82
44029247010	ON1413	Tecumseh - Talbot Rd/Sexton Sideroad	421307	825628	861.4625	45	17.82
44027999005	ON1014	Windsor - North Talbot/Hwy401	421428	825802	852.9625	35	15.44
44027760005	ON1014	Windsor - North Talbot/Hwy401	421428	825802	853.9625	35	15.68
42087841010	ON1014	Windsor - North Talbot/Hwy401	421428	825802	861.5125	35	15.68
44028537001	ON1014	Windsor - North Talbot/Hwy401	421428	825802	862.4125	35	19.4
44028610001	ON1012	LaSalle - Malden Rd/Sprucewood Rd	421444	830326	862.7375	40	14.47
44031109013	ON0821	St. Clair College	421445	830104	862.4125	35	17.18
44028114008	ON0836	Lasalle - Morton Industrial Pkwy/Morton Dr.	421456	830533	861.4375	40	20.72
44028114007	ON0836	Lasalle - Morton Industrial Pkwy/Morton Dr.	421456	830533	861.4625	40	20.72
44031355011	ON0820	Windsor - North Talbot / Hwy401	421508	825741	861.7875	28	17.13
44027633003	ON0083	Belle River - Belle River Rd/Division Rd	421531	824224	862.4125	90	16.9
44027633002	ON0083	Belle River - Belle River Rd/Division Rd	421531	824224	862.4375	90	16.9
44027633001	ON0083	Belle River - Belle River Rd/Division Rd	421531	824224	862.4625	90	16.9
44031358001	ON0822	Windsor - Ouellette/ECRow Expressway	421532	830227	852.9625	33	16.93
44031358011	ON0822	Windsor - Ouellette/ECRow Expressway	421532	830227	862.2125	36	16.93
44030211002	ON0082	Tilbury	421555	822532	852.9375	70	19.87
44027818001	ON0082	Tilbury	421555	822532	853.9875	70	19.87
44023931001	ON0082	Tilbury	421555	822532	861.9625	70	19.87
44029639003	ON0337	Windsor - Division Rd/Marentette Ave	421605	825932	851.9625	40	18.63
44023861002	ON0337	Windsor - Division Rd/Marentette Ave	421605	825932	853.9875	40	15.68

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44030478001	ON0337	Windsor - Division Rd/Marentette Ave	421605	825932	861.8625	40	15.68
44029639002	ON0337	Windsor - Division Rd/Marentette Ave	421605	825932	861.9625	40	18.63
44027924001	ON0337	Windsor - Division Rd/Marentette Ave	421605	825932	862.7375	40	15.68
44023136001	ON0523	Brighton Beach - Sandwich St/Broadway St	421626	830527	854.9125	40	18.51
44023136002	ON0523	Brighton Beach - Sandwich St/Broadway St	421626	830527	861.4375	40	18.51
44023292001	ON0523	Brighton Beach - Sandwich St/Broadway St	421626	830527	861.4625	40	18.51
44027451001	ON0827	Windsor - Ouellette Pl/EC Row Expy	421651	830055	853.9875	34	16.33
44030720006	ON0827	Windsor - Ouellette Pl/EC Row Expy	421651	830055	854.6625	34	16.33
44030720002	ON0827	Windsor - Ouellette Pl/EC Row Expy	421651	830055	854.9125	34	16.33
44028000005	ON0827	Windsor - Ouellette Pl/EC Row Expy	421651	830055	854.9625	34	16.33
44030720005	ON0827	Windsor - Ouellette Pl/EC Row Expy	421651	830055	861.8625	34	16.33
44030720004	ON0827	Windsor - Ouellette Pl/EC Row Expy	421651	830055	862.7375	34	16.33
44029642001	ON0823	Huron Church/Malden	421654	830324	852.9875	32	19.54
44031887001	ON1404	Windsor - EC ROW Expy/Central Ave	421720	825831	852.9875	30	14.15
44030728003	ON1404	Windsor - EC ROW Expy/Central Ave	421720	825831	861.9625	30	14.15
44027671008	ON0832	Windsor - EC Row Expy/Jefferson Blvd	421731	825619	851.9625	24	19.08
44029648001	ON0832	Windsor - EC Row Expy/Jefferson Blvd	421731	825619	852.9625	24	19.08
44029770006	ON0832	Windsor - EC Row Expy/Jefferson Blvd	421731	825619	861.6375	24	19.08
44029254005	ON1409	Belle River - Notre Dame St/Charron Line Rd	421732	824239	861.7625	35	16.99
44030721006	ON0829	Walker Rd/Tecumseh Rd E	421800	825949	851.9625	31	16.53
44029349001	ON0829	Walker Rd/Tecumseh Rd E	421800	825949	853.9875	31	16.53
44030721004	ON0829	Walker Rd/Tecumseh Rd E	421800	825949	861.5125	36	15.19
44025056004	ON0829	Walker Rd/Tecumseh Rd E	421800	825949	861.8625	31	16.53
44030378015	ON1411	Windsor-Tecumesh Rd/Patillo Rd	421807	824905	861.4375	41	12.79
44030378016	ON1411	Windsor-Tecumesh Rd/Patillo Rd	421807	824905	861.4625	41	12.79
44030378001	ON1411	Windsor-Tecumesh Rd/Patillo Rd	421807	824905	861.7875	41	15.74
44028611005	ON0826	Windsor - Ouellette Pl/Ellis St E	421808	830144	853.9625	36	19.14

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
44028410009	ON0826	Windsor - Ouellette Pl/Ellis St E	421808	830144	862.4125	36	16.02
44028448001	ON1279	Raleigh - Queens Line/Merlin Rd	421843	821838	854.9875	60	17.63
44028448005	ON1279	Raleigh - Queens Line/Merlin Rd	421843	821838	861.6375	60	17.63
44023790005	ON0835	Tecumseh	421845	825227	853.9625	52	14.77
44027919001	ON0835	Tecumseh	421845	825227	854.6625	52	15.8
44027932002	ON0084	Windsor-Windsor Downtown (Relocation) NEXTEL 261	421900	830144	861.4375	30	16.53
44023862002	ON0084	Windsor-Windsor Downtown (Relocation) NEXTEL 261	421900	830144	861.4625	30	16.53
44023285001	ON0084	Windsor-Windsor Downtown (Relocation) NEXTEL 261	421900	830144	862.4125	30	16.81
44029656004	ON1095	Windsor-Tecumseh Rd E/Lauzon Rd	421911	825612	854.6625	35	18.69
44028607003	ON1095	Windsor-Tecumseh Rd E/Lauzon Rd	421911	825612	861.5125	35	18.69
44029656001	ON1095	Windsor-Tecumseh Rd E/Lauzon Rd	421911	825612	862.4125	35	18.69
44029434003	ON1513	Blenheim - Marborough Road/Industrial Ave	422013	815818	861.7625	70	17.78
44027578001	ON0081	Chatham	422325	821123	861.8375	60	17.16
44029435005	ON1515	Chatham - Park Ave E/Creek Road	422436	820958	861.7875	60	20
44030505001	ON1515	Chatham - Park Ave E/Creek Road	422436	820958	861.8625	60	16.99
44030734001	ON1511	Dresden - Irish School Rd/McCreary Line	423607	821001	854.9125	90	14.47
44029446001	ON1511	Dresden - Irish School Rd/McCreary Line	423607	821001	862.7375	90	14.47
44030365003	ON1826	Alvinston	424656	815335	852.9875	90	20.25
44028831001	ON0537	Petrolia	425408	820840	854.9875	90	18.26
44031890001	ON0536	Corunna	425442	822446	852.9375	70	18.57
44028534003	ON0535	Sarnia Downtown	425828	822420	853.9625	78	19.03
44023921004	ON0545	Watford	425847	815248	862.1625	90	20.97
44031443001	ON1495	Sarnia - Exmouth St/Murphy Rd	425907	822136	852.9625	35	15.36
44029444010	ON1495	Sarnia - Exmouth St/Murphy Rd	425907	822136	855.9625	35	15.31
44029444006	ON1495	Sarnia - Exmouth St/Murphy Rd	425907	822136	861.9125	35	18.45
13034929001	BC-0503-1	Mt. Helmcken	482434	1233441	862.5875	18	18.5
13034473004	BC-0518-2	Downtown Victoria	482531	1232152	864.0375	45	16.6

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
13034466007	BC-0210-3	Esquimalt 2	482548	1232421	862.5375	15	18.9
12070898001	BC-0239-1	Cadboro Bay	482619	1231512	863.1125	28	18.9
13037898004	BC-0221-2	Sandown Raceway	483940	1232505	864.0375	28	19.8
13039173003	BC-0202-1	Mayne Island	485025	1231745	862.5875	20	20.1
13038247001	BC-0389-1	Chemainus	485357	1234252	864.1125	79	17.1
12065691002	BC-0438-1	Langley South	490013	1223911	863.1125	53	19.5
12064939003	BC-0143-1	Aldergrove	490360	1222736	862.5875	39	18.6
12069129004	BC-0422-2	Murrayville	490454	1223552	862.5875	40	15.2
12060951002	BC-0424-1	Hwy 10/King George Hwy (temp)	490618	1224942	862.5875	14	15.0
12066384007	BC-0585-2	Yarrow, Chilliwack	490620	1220412	863.1125	55	20.1
12066647009	BC-0584-3	King George Hwy/ 88th Ave, Sry	490906	1225126	863.1125	60	15.7
12059662003	BC-0087-3	96th Ave./200th St.	491028	1224008	863.1125	25	16.3
12045363004	BC-0028-2	Knight Street Bridge	491217	1230432	862.5875	42.6	15.5
12066628001	BC-0408-2	Patullo Bridge	491231	1225409	862.5875	40	16.3
12059642003	BC-0076-1	Port Mann Bridge	491322	1224931	862.5875	45	18.9
13034099002	BC-0567-1	Sunset	491331	1230439	863.1125	12	15.4
12066450007	BC-0566-2	Granville	491416	1230808	863.1125	20	15.6
12059644002	BC-0078-3	Lougheed / Mary Hill Bypass	491460	1224433	862.5375	47	14.9
12059656008	BC-0411-3	Clarion Hotel	491524	1230025	863.1125	53.6	17.7
12059668008	BC-0456-1	Camelia Court	491535	1230656	863.1125	43	13.0
12060955002	BC-0429-2	Broadway/Granville	491548	1230820	864.1125	27	16.1
12066322007	BC-0038-2	Boundary	491552	1230124	864.1125	36	15.6
12059623001	BC-0013-3	7th & Alma	491559	1231111	862.5375	42	19.8
12060258002	BC-0013-1	7th & Alma	491559	1231111	862.5875	42	17.0
12069128004	BC-0248-2	Burnaby Mountain	491639	1225507	862.5875	21	17.2
12060948006	BC-0231-2	Pacific Centre (outdoor antenna)	491702	1230658	862.5375	1	-4.2
12059618001	BC-0001-3	Ilikai	491732	1230809	864.1125	44	18.9

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
12066323011	BC-0105-2	Carleton	491846	1230215	862.5875	59	16.0
12064892001	BC-0142-1	Mission	490723	1221750	862.5375	46	15.2
42078832001	ON0017	Hwy 404 / Hwy 7	435042	792202	863.8375	50	13
42089785005	ON0020	Liverpool	434955	790523	864.0125	32	12
42080070001	ON0023	Exhibition Place	433825	792640	863.8375	38	13.97
42081461001	ON0038	Black Creek / Eglinton	434127	792825	863.8375	58	13.8
42080565001	ON0049	Kipling / Albion	434414	793452	863.8375	35	15
42090496001	ON0054	Hwy 400 / Major Mackenzie	435037	793342	863.9625	48	14
42090458002	ON0059	Unionville	435156	791734	863.9625	56	9
42081893006	ON0063	Kennedy / Eglinton	434344	791605	864.0125	48	13.8
43031703005	ON0088	QEW / Trafalger	432742	794125	863.8375	49	13
43028809001	ON0090	QEW / Appleby Line	432238	794621	864.0125	48	13
43031891001	ON0092	QEW / Burlington St.	431432	794603	863.9625	48	12
44029554001	ON0098	Fort Erie	425533	785556	864.1625	60	16.33
42091509001	ON0128	Aurora	435956	792733	863.9625	48	14
42087557001	ON0135	Scugog Island	440626	785513	863.9625	90	20
42087737006	ON0269	Bayview/401	434541	792330	863.8375	37	14.91
42090731013	ON0273	Mississauga-QEW/Dixie	433548	793404	863.8375	35	17.24
42090306001	ON0279	Hwy 403 / Eglinton	433740	793823	863.9625	35	12
42090491001	ON0279	Hwy 403 / Eglinton	433740	793823	864.0125	35	13
42087923011	ON0292	Mississauga-QEW/Winston Churchill	433040	793952	863.8375	30	15.44
42087963009	ON0345	Bathurst/Steeles	434730	792646	863.8375	40	11.46
43031983001	ON0481	Hamilton-Stonechurch/Nebo Rd(was 1155)	431147	795014	863.8375	48	11.76
43032015007	ON0499	Niagara Falls Downtown	430610	790417	864.0375	42	15
43029049011	ON0550	St. Catharines	430937	791435	863.8375	48	11.76
43029049001	ON0550	St. Catharines	430937	791435	864.0375	48	11.76
42087604011	ON0608	Rossland/Stevenson(was 1149)	435444	785329	863.8375	42	14

Licence Frequency Record Identifier	Site Identifier	Site Name	Latitude (DDMMSS)	Longitude (DDMMSS)	TX Frequency (MHz)	TX Antenna Height AGL (m)	ERP (dBW)
42090746001	ON0644	Meadowvale West	433522	794730	864.0125	48	14.77
45071670005	ON0691	Little Lake	432604	801503	863.9625	48	13.02
42087824001	ON0807	Christie St/Dupont St(was 1040)	434019	792520	863.8375	28	13
42082473013	ON0905	Bowmanville	435442	784114	863.8375	35	16.13
42092265001	ON0905	Bowmanville	435442	784114	864.0125	35	16.13
42085257003	ON0914	Oshawa South	435204	785129	864.0125	48	16
42086883013	ON1000	McCowan/Lawrence	434535	791443	863.8375	40	20
42087747013	ON1127	North York-Dufferin St/Hwy 401	434346	792731	863.8375	27	19.59
44028280005	ON1133	Thorold-Hwy 406/Hwy 20	430348	791359	864.0375	45	13.42
42091276002	ON1192	Hwy 7/Pine Valley Dr	434700	793351	863.9625	30	16
42088466009	ON1219	Neilson/McLevin	434823	791305	863.8375	36	16
42088537012	ON1280	Pickering-Bayly/Squires Beach	434942	790258	863.8375	40	14
42090847002	ON1287	Oshawa-Hwy 401/Stevenson Rd	435209	785302	863.9625	40	14
44028627001	ON1509	Hamilton-Hwy 403/Main St. West	431541	795347	863.8375	45	13
44029353001	ON1521	Lakeshore/Government	431312	791211	863.8375	48	16
42090754013	ON1563	OPG PNGS	434842	790358	863.9625	30	21
44029768005	ON1836	Bismark-Hwy 20/Silver St	430316	792826	864.5625	70	13
44031406012	ON1972	Port Burwell	423943	804749	864.5375	90	18.31
44030364005	ON1819	Glencoe	424424	814047	851.9375	90	22.04
44030364004	ON1819	Glencoe	424424	814047	852.9375	90	22.04
12070717007	BC-2000-1	SATCOLT - cow	491927	1230030	863.7375	18	18.5
N/A	BC-2000-3	SATCOLT - cow	491927	1230030	862.5875	18	18.5

Annex D

Parameters for Coordination

Licensee information (Corporate name/Mailing address/Phone/Fax/Email address)
Location of transmitter (Community/State/Province)
Geographical coordinates of transmitting antenna (NAD83)
Equivalent Radiated Power (ERP) (dBW)
Ground elevation and antenna height above ground (m)
Center frequency (MHz)
Polarization
Antenna pattern/tabulation of the pattern
Azimuth of the maximum antenna gain
Bandwidth and emission designation

Annex E

PFD limits for stations operating prior to August 1, 2011

Stations that were operating prior to August 1, 2011 and that comply with the pfd limits as described below, shall be permitted to continue operations under their current parameters.

(a) The predicted maximum power flux density (PFD) of the signal at and beyond the border, calculated using free-space propagation (taking into account any antenna discrimination in the direction of the border), does not exceed the limits specified in Tables E1 and E2.

(b) In Sharing Zone II, in recognition of special topographical conditions, the use of a modified Longley-Rice point-to-point propagation model with time and location variabilities of 10%[5], and standard 3 arc-second digitized terrain data is permitted.[6] The limit for the predicted PFD shall not exceed -107 dBW/m_2 at and beyond the border.

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[5] G.A. Hufford, A.G. Longley, and W.A. Kissick, *A Guide to the Use of the ITS Irregular Terrain Model in the Area Prediction Mode,* NTIA Report 81-100. (Available from U.S. Department of Commerce, National Technical and Information Service (NTIS), Springfield, VA 22161, Accession number PB 82-217977.)

A.G. Longley and P.L. Rice, *Prediction of Tropospheric Radio Transmission Loss Over Irregular Terrain - A Computer Method 1968*, ESSA Technical Report ERL 79-ITS 67. (Available from NTIS, Accession number AD-676-874.)

P.L. Rice, A.G. Longley, K.A. Norton, and A.P. Barsis, *Transmission Loss Predictions for Tropospheric Communication Circuits*, National Bureau of Standards Technical Note 101, Volumes I and II, (Available from NTIS, Accession numbers AD-687-820 and AD-687-821.)

[6] For data covering the United States: *Level I - Digital Terrain Elevation Data*, United States Defense Mapping Agency. These data are available from the: United States Geological Survey; 507 National Center; Reston, VA 22093; USA, as *Digital Elevation Model Data* in 1o x 2o map (1:250,000 scale quadrangle) from which the data were produced.

For data covering Canada: *Level I - Digital Terrain Elevation Data*. These data are available from: Department of Energy, Mines and Resources: Canada Centre for Mapping; Topographical Mapping Division; 615 Booth Street; Ottawa, Ontario K1A 0E9; Canada.

Table E1

Limits of Power Flux Density (PFD) Corresponding to Effective Antenna Heights of Base Stations in Sharing Zones I and III.

Effective Antenna Height (EAH)		PFD
Metres	Feet	dBW/m^2 (Maximum)
0 - 152	0 - 500	-84
153 - 305	501 - 1000	-90
306 - 457	1001 - 1500	-95
458 - 609	1501 - 2000	-98
610 - 762	2001 - 2500	-101
763 - 914	2501 - 3000	-101
915 - 1066	3001 - 3500	-103
1067 - 1219	3501 - 4000	-104
Above 1219	Above 4000	-104

Table E2

Limits of Power Flux Density (PFD) Corresponding to Antenna Heights above Sea Level of Base Stations in Sharing Zones II.

Antenna Height Above Mean Sea Level		PFD
Metres	Feet	dBW/m^2 (Maximum)
0 - 503	0 - 1650	-87
504 - 609	1651 - 2000	-88.5
610 - 762	2001 - 2500	-91
763 - 914	2501 - 3000	-92.5
915 - 1066	3001 - 3500	-94
1067 - 1219	3501 - 4000	-95
1220 - 1371	4001 - 4500	-95.5
1372 - 1523	4501 - 5000	-96
Above 1523	Above 5000	-107