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Spectrum Management and Telecommunications

## Consultation on Repurposing the 600 MHz Band

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Canada 

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## 1. Intent

1. Through the release of this document, Industry Canada is hereby initiating a consultation on repurposing spectrum in the 600 MHz band, as announced in the *Canada Gazette*, Part I, Notice No. SLPB-005-14. Comments are being sought on all aspects related to the repurposing of this band.

## 2. Mandate

2. The Minister of Industry, through the *Department of Industry Act*, the *Radiocommunication Act* and the *Radiocommunication Regulations*, with due regard to the objectives of the *Telecommunications Act*, is responsible for spectrum management in Canada. As such, the Minister is responsible for developing goals and national policies for spectrum resources use and for ensuring effective management of the radio frequency spectrum resource.

## 3. Legislation

3. The Minister of Industry is provided the general powers for spectrum management in Canada pursuant to section 5 of the *Radiocommunication Act* and sections 4 and 5 of the *Department of Industry Act*. The Governor in Council may make regulations with respect to spectrum management pursuant to section 6 of the *Radiocommunication Act*; these regulations have been prescribed under the *Radiocommunication Regulations*. It should be noted that broadcasting policy falls within the responsibility of the Department of Canadian Heritage. The Canadian Radio-television and Telecommunications Commission (CRTC) regulates and supervises the Canadian broadcasting system to ensure that the objectives of the *Broadcasting Act* are met.

## 4. Scope

4. This consultation addresses issues related to the repurposing of spectrum in the 600 MHz band to mobile use. Current users include over-the-air (OTA) TV broadcasting, remote rural broadband systems (RRBS), low-power apparatus (e.g. wireless microphones and camera systems), television white space (TVWS) devices and wireless medical telemetry systems (WMTS). This spectrum is also used for radio astronomy service (RAS). Industry Canada is not considering any change to the allocation of spectrum to the RAS (band 608-614 MHz) at this time.

5. Throughout this paper, the term “600 MHz band” refers to the frequency range considered for the repurposing from TV broadcasting to mobile services, extending from 698 MHz to a lower limit, which is yet to be determined. The amount of spectrum repurposed to commercial mobile could be between 20 and 120 MHz.

6. This consultation is required in order to determine the use of the band and whether Canada will participate in a joint repurposing initiative along with the United States. This first step focuses on the technical aspects of repurposing spectrum currently used for broadcasting and other purposes. Should the Department proceed with this initiative, an implementation plan that determines which stations would be required to move and lists the associated timelines would be established after the U.S.

incentive auction is completed. The policy and the technical and licensing rules pertaining to the repurposed mobile spectrum would be established in the context of a future separate consultation process. Some details about the expected implications and timing of that separate process are included in this document.

## 5. Policy Objectives

7. In developing a policy and licensing framework to make additional spectrum available, the Department is guided by the policy objectives of the *Telecommunications Act* and the policy objective of the *Spectrum Policy Framework for Canada* (SPFC), which is to maximize the economic and social benefits that Canadians derive from the use of the radio frequency spectrum resource.

## 6. Policy Considerations

### 6.1 Demand for Spectrum for Mobile Broadband

8. Commercial mobile services provide wide-area ubiquitous radiocommunication services for both business and personal use. In recent years, consumers in Canada and around the globe have increasingly demanded extended coverage, faster data transmission rates and more advanced, data-intensive mobile applications. In response, service providers deployed ubiquitous, high-capacity radio networks based on state-of-the-art technologies. This global trend towards increasing demand for data-intensive content and applications is expected to continue into the foreseeable future, and world-class, competitive mobile wireless networks and services will continue to be critical to success in the global digital economy. Smartphones, tablets, wearable devices, machine-to-machine devices and the apps that run on them are changing the way that Canadians work, live and play. In Canada, data usage for these devices is growing, and mobile data traffic is expected to grow 9-fold from 2013 to 2018, a compound annual growth rate of 54%.<sup>1</sup> To address these challenges, Canada must allocate sufficient spectrum to mobile broadband use.

9. Various projections have estimated that Canada will require at least 473 MHz and as much as 820 MHz of spectrum to be allocated to commercial mobile services by 2017. Based on these projections, in the *Commercial Mobile Spectrum Outlook* report issued in March 2013, Industry Canada set an objective of allocating a total of 750 MHz of spectrum to commercial mobile services by the end of 2017. To date, Industry Canada has been active in allocating more spectrum for commercial mobile use, through the 700 MHz auction in 2014 and the upcoming auctions for the AWS-3 and 2500 MHz bands. Beyond these, the *Commercial Mobile Spectrum Outlook* identified additional spectrum from other bands, including the 600 MHz band.

10. Since 2008, new wireless carriers have entered the market offering new services to Canadians and average wireless prices have fallen by 22%. Canadian carriers have continued to invest in networks and today 99% of Canadians have access to high-speed packet access plus (HSPA+) networks and 81% live in an area with long-term evolution (LTE). At the same time, Canadian wireless subscribership is

<sup>1</sup> Cisco Visual Networking Index Mobile Forecast Highlights, 2013-2018, June 2014, [http://www.cisco.com/c/dam/assets/sol/sp/vni/forecast\\_highlights\\_mobile/index.html#](http://www.cisco.com/c/dam/assets/sol/sp/vni/forecast_highlights_mobile/index.html#)

continuing to grow and consumers continue to increase their use of smartphones and tablets, driving demand for data services and increasing wireless network traffic.<sup>2</sup> In 2014, the CRTC reported that wireless revenues now account for approximately 50% of all telecommunications revenue.<sup>3</sup>

## 6.2 Over-the-air (OTA) TV Broadcasting Spectrum

11. The TV broadcasting bands currently occupy the frequency ranges 54-72 MHz, 76-88 MHz, 174-216 MHz (VHF) and 470-698 MHz (UHF). The TV broadcasting system is comprised of regular power TV stations (also referred to as primary TV broadcasting undertakings) and low-power TV undertakings (also referred to as LPTV stations), which operate on a no-interference, no-protection basis relative to the regular power TV stations. In addition to TV broadcasting, the TV bands are used on a secondary basis (i.e. on a no-interference, no-protection basis) for low-power apparatus (including wireless microphone applications and wireless cameras) and RRBS. There is a policy and technical framework for TVWS devices.<sup>4</sup> However, as the technical specifications have not yet been established, there are currently no TVWS devices that are operational. Annex A provides additional details about the licensed TV broadcasting systems operating in these bands.

12. Pursuant to the DTV transition, which was planned in coordination with the United States, the Canadian TV broadcasting system is currently deployed based on the *Digital Television (DTV) Post-Transition Allotment Plan* (the Plan), published by Industry Canada in 2008. The Plan identifies a DTV channel for each regular power National Television System Committee (NTSC) station (i.e. analog) in operation on July 1, 2008, and for planned stations for which applications were received by the CRTC before July 1, 2008. Standalone (vacant) allotments are also provided in the Plan to support future growth in OTA TV service.

13. The broadcasting industry is currently in transition. Both the viewing habits of Canadians and the Canadian television system are changing in many ways and at a rapid pace. While Canadians increasingly watch video programming online, they also continue to watch television through cable, satellite or OTA. The Department notes that the CRTC recently concluded its hearing as part of the Let's Talk TV process on the future of Canadian television. A review of the role of OTA television in fostering local programming has been one aspect of the discussions. In its April 2014 Notice of Consultation, the CRTC noted that given the high subscription rates to cable and satellite providers in most markets, few Canadians rely on television signals over the air.<sup>5</sup> Industry Canada recognizes that the regulatory environment addressing OTA TV broadcasting is complex and any changes that are undertaken may be implemented over many years.

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<sup>2</sup> CRTC's 2014 Communications Monitoring Report, Section 5.5, <http://www.crtc.gc.ca/eng/publications/reports/PolicyMonitoring/2014/cmr.htm>

<sup>3</sup> CRTC's 2014 Communications Monitoring Report, Section 5.1, <http://www.crtc.gc.ca/eng/publications/reports/PolicyMonitoring/2014/cmr.htm>

<sup>4</sup> Framework for the Use of Certain Non-broadcasting Applications in the Television Broadcasting Bands Below 698 MHz, Section 4, <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10493.html>

<sup>5</sup> Broadcasting Notice of Consultation CRTC 2014-190, <http://www.crtc.gc.ca/eng/archive/2014/2014-190.htm>

### 6.3 Status in the United States

14. Under U.S. legislation, the Federal Communications Commission (FCC) was directed to conduct an incentive auction for the 600 MHz band, currently scheduled to take place in early 2016. The incentive auction is designed to facilitate the repurposing of spectrum by encouraging TV broadcasters to voluntarily relinquish some or all of their spectrum usage rights in exchange for proceeds from an auction of the new mobile licences.<sup>6</sup>

15. The amount of spectrum that will be subsequently made available for mobile services will depend on the willingness of the U.S. broadcasters to relinquish their spectrum, as well as the outcome of the wireless industry's bidding on this newly available spectrum. TV stations remaining on air will be assigned channels in the lower portion of broadcast bands (UHF and VHF) so that they occupy less spectrum, making contiguous spectrum available for mobile services.<sup>7</sup>

### 6.4 Opportunity to Repurpose the 600 MHz Band From Broadcasting to Mobile

16. The Department recognizes that the TV broadcasting spectrum has historically been planned jointly with the United States to maximize coverage for consumers in both countries and minimize interference that could otherwise affect the use of broadcasting frequencies in Canada. Similarly, Canada has traditionally aligned its mobile broadband spectrum allocations with other large countries or economic areas, in particular the United States. This facilitates access to the latest wireless devices and network technologies that are only built at competitive prices where there is sufficient scale.

17. There is an opportunity for Canada to repurpose the 600 MHz band by participating in a joint initiative with the United States. Doing so would see both countries benefit from the reallocation as the repacking would take into consideration broadcasters on both sides of the border, resulting in a more efficient reassignment of broadcasting channels and more spectrum being made available for mobile services in both countries. The decision on whether to join the United States in the repacking initiative must be made before the incentive auction, so that the joint repacking algorithm can integrate the Canadian TV stations into the incentive auction process and parameters.

18. Industry Canada's view is that such a joint initiative would be advantageous for Canada in that new channels can be ensured for virtually all existing Canadian OTA TV stations. The amount of spectrum to be made available for mobile services is expected to be between 20 and 120 MHz, and the actual amount will depend on the results of the U.S. auction. Entering into a joint repacking process with the United States would be based on set objectives to ensure that Canadians can achieve maximum benefits with minimum disruption of broadcast services.

19. Conversely, separate repurposing by the United States and Canada through independent repacking processes, possibly at different times, would result in significantly less efficient use of this valuable spectrum for both countries. The amount of spectrum repurposed by the United States incentive

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<sup>6</sup> *Broadcast Incentive Auction 101*, Federal Communications Commission,  
[http://wireless.fcc.gov/incentiveauctions/learn-program/Broadcast\\_Incentive\\_Auction\\_101\\_slides.pdf](http://wireless.fcc.gov/incentiveauctions/learn-program/Broadcast_Incentive_Auction_101_slides.pdf)

<sup>7</sup> *Broadcast Incentive Auction 101*, Federal Communications Commission,  
[http://wireless.fcc.gov/incentiveauctions/learn-program/Broadcast\\_Incentive\\_Auction\\_101\\_slides.pdf](http://wireless.fcc.gov/incentiveauctions/learn-program/Broadcast_Incentive_Auction_101_slides.pdf)

auction would likely be reduced if the United States repacked on its own. As Canada typically harmonizes the use of spectrum for mobile broadband with the United States, this would also lead to less spectrum being available for commercial mobile services in Canada. The continued operation of Canadian OTA TV stations near the border would be protected, as the United States repacking plan would work around the existing Canadian OTA TV stations as necessary.

20. However, should Canada later decide to repurpose the band, there would likely be insufficient space remaining in the lower channels to which Canadian stations could relocate. As a result, some Canadian stations would likely need to be shut down. The overall result would be fewer OTA TV stations broadcasting and less spectrum for mobile services for both countries.

21. As described in Section 8 the joint repacking process is expected to impact virtually all OTA television broadcasters, including those operating in the VHF and UHF band below the frequencies to be repurposed to mobile use.

22. There are also secondary users of the spectrum, such as RRBS, wireless microphone and camera systems, as well as TVWS devices (not yet deployed in Canada). Proposed transition policies for each of these services are provided in the sections that follow.

23. The Department is proposing to repurpose the 600 MHz spectrum to commercial mobile use and jointly establish a new allotment plan based on repacking OTA TV broadcasting stations more tightly in lower frequencies. This initiative would be carefully established, with a view to providing the maximum opportunity for continuing all existing OTA TV transmitters while ensuring that the need for additional commercial mobile spectrum is carefully balanced with the current needs of the broadcast industry and the interests of Canadian consumers in being able to benefit from both services.

24. The completion of the incentive auction would result in a new allotment plan for both Canada and the United States. A relocation schedule enabling the transition would then be established.

**Question 1:**

Industry Canada is seeking comments on the overall proposal of repurposing the band to include commercial mobile broadband and the initial step of participating in a joint repacking process with the United States.

**Question 2:**

Industry Canada is seeking comments on the future spectrum requirements for OTA TV broadcasting, taking into consideration the overall changes to the broadcasting industry, and noting that the CRTC Let's Talk TV hearing recently closed.

**7. 600 MHz Band Plan for the Mobile Service**

25. This section covers issues and considerations related to the band plan for the repurposed spectrum in the 600 MHz band for the purposes of licensing and deploying mobile broadband services in an orderly and efficient manner.



26. In order to provide maximum benefits to consumers of broadband wireless services and to support the growth in bandwidth demand, the band plan architecture for new spectrum for mobile broadband services is generally assessed using the following criteria:

- promotion of efficient use of the limited radio spectrum by maximizing available capacity;
- harmonization of equipment specifications to the extent possible, enabling economies of scale, greater equipment availability for consumers and infrastructure, and facilitating international roaming;
- deployment of infrastructure with reduced capital and operational costs, enabling affordable services to consumers; and
- cross-border frequency coordination.

**7.1 Harmonizing With the U.S. Band Plan**

27. In considering the band plan architecture to be implemented in Canada, the Department is proposing the band plan framework adopted in the United States for the 600 MHz incentive auction, as shown in Figure 1. As the amount of repurposed spectrum will only be determined during the United States incentive spectrum auction, the band plan framework consists of several options for the 600 MHz band plan, based on repurposing between 42 and 144 MHz of broadcast spectrum and resulting in between 20 and 120 MHz of commercial mobile spectrum.

**Figure 1 – Proposed 600 MHz Band Plan Options**

Paired Blocks	Clearing Target	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	11	A	B	11	A	B	700 MHz UL		
2	42																																	
3	48																																	
4	60																																	
5	72																																	
6	78																																	
7	84																																	
8	106																																	
9	114																																	
10	126																																	
11	138																																	
12	144																																	

Legend:

- XX : TV Channel
- X : Mobile Block
- X : Mobile Duplex Gap
- X : Guard Band
- 37 : RAS



28. *Duplexing method.* The band plan framework is based on frequency division duplex (FDD), with specified transmission directions. The building blocks for the band plan are paired 5 + 5 MHz blocks, consistent with the commonly used 3rd Generation Partnership Project (3GPP) LTE technology. The uplink band starts at 698 MHz and extends lower in frequency between 10 and 60 MHz, depending on the amount of repurposed spectrum. For all band plan options, the paired downlink band is separated from the uplink by a centre gap of 11 MHz. The duplexing distance ranges from 21 MHz for the smallest band plan option to 83 MHz for the largest one. As no changes are envisioned for the spectrum use in TV channel 37 (608-614 MHz), the band plan options repurposing more than 84 MHz skip this frequency range. As a result, the duplexing distance for these band plans is not the same for all paired blocks.

29. *Guard bands.* No guard band would be required between the 600 MHz and 700 MHz bands, as frequencies on both sides of the 698 MHz boundary would be used for mobile broadband uplink, with similar transmission parameters. For the band plan options extending down to channel 37 (608-614 MHz) or beyond, 3 MHz guard bands would be provisioned on both sides of the 608-614 MHz range for the protection of the users in this band, namely RAS and WMTS. Should the 600 MHz band be repurposed and this band plan adopted, technical rules (such as out-of-band emission limits, geographical protection areas, etc.) may be put in place to ensure the protection of WMTS and RAS. A guard band of at least 7 MHz separates the 600 MHz downlink from the TV operations. The TV channel grid is based on 6 MHz increments, whereas the mobile band plan is based on 5 MHz building blocks, so the size of the guard band between mobile and TV operations varies between 7 and 11 MHz for different band plan options. A summary of the amount of repurposed TV spectrum for each option available for auction and used for guard bands and centre gap is provided in Table 1.

**Table 1 – Summary of Repurposed Spectrum for 600 MHz Band Plan Options**

Spectrum to be Repurposed		Mobile Broadband Spectrum for Auction		Duplex Gap	Guard Bands (Total)
TV channels	MHz	Paired 5 + 5 MHz blocks	MHz	MHz	MHz
7	42	2	20	11	11
8	48	3	30	11	7
10	60	4	40	11	9
12	72	5	50	11	11
13	78	6	60	11	7
14	84	7	70	11	3
18	108	8	80	11	17
19	114	9	90	11	13
21	126	10	100	11	15
23	138	11	110	11	17
24	144	12	120	11	13

30. While the specific band plan option to be used for the 600 MHz band will not be known until after the incentive auction in the United States, it would be beneficial for Canada to adopt this framework, and commit to harmonize with the band plan option to be adopted by the United States. The band plan option to be chosen is tied to the amount of spectrum to be repurposed. If Canada adopts the same band plan configuration as the United States (and repurposes the same amount of spectrum),

cross-border interference and frequency coordination challenges would be limited, thus facilitating deployment of services in the border areas. As well, Canadian spectrum users would have access to a wider supply of wireless equipment at lower costs.

31. *Timing for a Canadian decision on the band plan.* For planning purposes, the decision on the band plan to be adopted by Canada (including the amount of spectrum to be auctioned for mobile) must be made before the execution of the incentive auction in the United States, so that Canadian TV stations to be protected and the associated target spectrum where they can be assigned channels can be included in the parameters for the U.S. incentive auction and the algorithm for joint repacking of the TV stations in Canada and the United States. If the intent is to harmonize with the U.S. band plan and repurpose the same amount of spectrum, Canada must adopt the entire band plan framework and preapprove the band plan option that will result at the conclusion of the incentive auction.

**Question 3:**

Industry Canada is seeking comments on the Department's proposal to:

- adopt the U.S. 600 MHz band plan framework; and
- commit to repurpose the same amount of spectrum as the United States, as determined in the FCC's incentive auction.

## 7.2 Coexistence Between Mobile and TV Services

32. Notwithstanding Industry Canada's proposal to harmonize the 600 MHz band plan with the United States, the Department is evaluating the appropriate measures to ensure coexistence and interference-free operation between the TV broadcasting and mobile services. It should be noted that the guard band between TV broadcasting and mobile services does not necessarily need to be the same in Canada and in the United States. If considered appropriate, Canada could ensure a larger guard band between TV broadcasting and mobile services by repurposing one or more additional TV channels.

33. As described in paragraph 29, the guard band between TV broadcasting and mobile broadband services would be between 7 and 11 MHz for various options of the proposed 600 MHz band plan. The size of the guard band must be determined based on the requirements to protect against out-of-band and in-band interference, specifically, protecting: (a) mobile terminal receivers from TV interference; and (b) TV receivers from interference from mobile base station transmissions. The underlying assumption regarding typical deployments for TV and mobile broadband services is that both are addressed to the general public in a ubiquitous fashion, so geographic separation cannot be employed to mitigate the potential for interference. In developing the proposed guard band configuration, the out-of-band emission characteristics for mobile base stations, as well as the selectivity parameters for mobile terminals, were assumed to be in line with 3GPP LTE specifications. The out-of-band emissions from TV transmitters are assumed to comply with the regulatory emission mask for regular power DTV assignments. The selectivity parameters for TV receivers were based on the ATSC A/74 standard for the first adjacent channel. It should be noted that, consistent with the *OET Bulletin No. 69, Longley-Rice Methodology for Evaluating TV Coverage and Interference* (OET-69) planning document, TV reception in the United States is not protected from out-of-band interference beyond the first adjacent TV channel.

**Question 4:**

Industry Canada is seeking comments on the size of the proposed guard band between the TV broadcasting and mobile services.

- Is the mobile service appropriately protected by the proposed guard band?
- Is the TV broadcasting service appropriately protected by the proposed guard band?
- If additional protection measures are needed, what alternatives (such as increasing the size of the guard band, adding a pass band/notch filter at the TV receiver port, etc.) could be used and what alternatives would be practical to deploy?

**7.3 Spectrum Utilization Policy for Guard Bands and Duplex Gap**

34. As shown in Table 1, depending on the band plan option, between 14 and 28 MHz of spectrum represents the sum of the duplex gap and the guard bands between services and may be available for other uses. This spectrum could only be used for low-power applications to avoid interference to services in adjacent frequencies. Currently, several applications use or are in the planning stages of using the UHF band, including the 600 MHz range, on a secondary basis, namely low-power apparatus (e.g. wireless microphones and camera systems), RRBS and TVWS devices. All these applications would be affected by the repurposing of the 600 MHz band for mobile broadband services. In the United States, these frequency ranges have been identified for the use of low-power auxiliary stations and TVWS devices. It is expected that the spectrum identified for the guard bands and duplex gap will also be identified for its use in Canada.

35. Given that the exact frequency ranges for the guard bands and duplex gap will only be known after the conclusion of the U.S. incentive auction, the detailed spectrum policy and licensing framework for the applications in these bands will be addressed in a separate consultation. At that time, consideration would be given to harmonization of technical requirements with the United States in order to ensure that the same equipment can be used in both countries.

**8. Transition Policy for Current Users of the Band**

36. As described below, the repurposing of the 600 MHz band would affect the current users of spectrum in this band, as well as virtually all spectrum users of the other frequency bands currently allocated for TV broadcasting. The following sections discuss and seek input on the proposed transition policies for these spectrum users.

37. All broadcasting and radiocommunication systems currently operating in the 600 MHz range of the UHF band would be subject to displacement, as spectrum sharing between these services and mobile broadband service would not be feasible.

38. To ensure continued availability of channels for all operating Canadian regular power TV stations, as described in Section 8.1, most Canadian regular power stations may be reassigned to new TV channels. As a result of the changes to the regular power TV stations, secondary TV stations (low-power) and other users of the band for secondary services (wireless microphones, RRBS, TVWS devices) may, in turn, be subject to displacement, even if not operating in the 600 MHz frequency range.



## 8.1 Transition Policy for Regular Power Television Broadcasting Undertakings

39. In repurposing the 600 MHz spectrum for mobile broadband services, Industry Canada would enter into an agreement with the FCC to ensure availability of TV channels for all regular power TV stations currently in operation, minimizing the impact on OTA TV reception for all TV viewers.

40. Studies indicate that the current *Digital Television (DTV) Post-Transition Allotment Plan* cannot accommodate the relocation of the TV undertakings presently operating in the 600 MHz range. The vacant allotments available in the current Plan are generally not located in the markets of interest where the relocating TV stations would need channels in the VHF band or the lower part of the UHF band. New entries could not be added to the Plan, as they would conflict with regular power TV assignments either in Canada or in the coordination zone in the United States. On the other hand, as described in Section 6.4, there is an opportunity for the governments of Canada and the United States to work jointly to develop a revised, spectrally efficient DTV allotment plan. The Canadian design objectives for the new allotment plan would be: (1) to be spectrally efficient, i.e. enable the repurposing of the maximum amount of spectrum for mobile broadband; (2) to ensure available channels for all operating regular power TV stations in Canada; and (3) to minimize impacts on OTA TV reception.

41. *Efficient use of spectrum.* TV licensing data shows that the number of TV undertakings in Canada has been static in recent years. However, strong growth in demand for mobile data services is resulting in continued pressure for more spectrum to be made available for mobile services. Provisioning vacant TV allotments for future growth would bring no obvious benefits, as the OTA TV service is not growing, and would directly limit the amount of spectrum repurposed for mobile broadband. The Department is proposing to not include any vacant allotments for future use in the allotment plan. If needed, in each market area, future growth of OTA TV services may be accommodated on a case-by-case basis, possibly with reduced transmission power.

42. Similar to the current *Digital Television (DTV) Post-Transition Allotment Plan*, the revised allotment plan would not accommodate the NTSC service (i.e. analog). This would also enable a spectrally efficient operation of the TV broadcasting system, as the DTV transmission is more robust against interference and enables a more compact reuse of the TV channels, in both frequency and geography. The 600 MHz transition may require some consumers to upgrade legacy analog TVs or acquire digital-to-analog converts to continue to receive service. However, it also enables improved quality image for consumers.

43. The Department notes that most of the regular power TV stations in Canada operate at transmit parameters below the maximum levels permitted by the current Plan. Developing the new allotment plan based on maximum transmit parameters for each TV allotment would be equivalent to locking in unused spectrum for each TV station, spectrum which would be blocked for use permanently if the station never increases its transmit parameters. To maximize the amount of repurposed spectrum, the Department proposes to develop the new allotment plan based on current operating parameters for the TV broadcasting undertakings. The list of regular power TV stations currently operating in Canada, with their operating parameters, is included in Annex A.

44. *Methodology to repack while minimizing impacts to OTA TV service.* For the purposes of developing a new DTV allotment plan, the population served by a TV undertaking is defined as the population within the protected area of the TV assignment, as defined in BPR-10, Broadcasting Procedures and Rules Part 10: *Application Procedures and Rules for Digital Television (DTV)*

*Undertakings*, and excluding the areas where TV reception is not available due to interference from other primary TV assignments. To minimize the impacts on OTA TV reception by the general public, the current population served with a defined level of service should remain the same as much as possible.

45. The Department proposes that the criteria of feasibility for a primary TV assignment as part of the new DTV allotment plan be that interference generated by the new assignment does not reduce the population currently served by other primary TV assignments (operating on the same channel or adjacent channels) by more than a threshold of approximately 0.5%.

46. *Noise Limited Bounding Contour (NLBC) replication.* When a TV station is assigned to a different channel, its transmit power and antenna pattern may need to be modified to preserve the station's coverage area. However, due to varying propagation characteristics of different channels, there may be some small differences in the geographic location of the station's new NLBC. In determining the effective radiated power (ERP) for the new operating channel, the Department proposes to assume for planning purposes that the station continues to use its existing antenna pattern and adjusts its power level such that the total area within the NLBC remains the same.

47. *TV stations still operating in NTSC mode.* For the stations currently operating in NTSC mode, the Department proposes to assume the following method to determine the ERP for the new DTV assignment: (Step 1) The station is assumed to operate in DTV mode, using the associated channel as allotted in the current *Digital Television (DTV) Post-Transition Allotment Plan*, with an ERP that would result in a DTV contour with a predicted availability of 90% of locations and 90% of the time, which will be closely matching the current Grade B contour. (Step 2) The ERP of the resulting DTV station is then adjusted, such that its NLBC contour is replicated for the new channel assigned in the new DTV allotment plan, as described in paragraph 49.

48. The planning parameters and technical assumptions proposed for the calculation of the NLBC, the protected areas and the interference levels between TV assignments are listed in Annex C. These parameters are in line with the technical parameters currently prescribed in BPR-10.<sup>8</sup>

49. The new allotment plan will be determined as an output of the incentive auction process in the United States, as it will depend on how many U.S. broadcasters decide to participate in the incentive auction and return the spectrum that they currently possess. The plan will include allotments for all Canadian operating TV stations, with parameters to be determined as described in paragraphs 44 to 48. The allotment plan will become the basis for the broadcasting systems in both countries. While the joint repacking process would be expected to impact virtually all OTA television broadcasters, including those operating in the VHF and UHF band below the frequencies to be repurposed to mobile use, it is expected that Canadian stations would not be required to change the band that they are operating in whether it be UHF, High VHF or Low VHF (for example, a TV station currently operating in the UHF band would be assigned a new operating channel in the UHF band, etc.).

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<sup>8</sup> BPR-10 — *Application Procedures and Rules for Digital Television (DTV) Undertakings*, <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf09574.html>

### 8.1.1 Implementation Plan

50. All regular power TV undertakings currently operating in the 600 MHz range would be assigned new TV channels in the revised DTV allotment plan. Based on the data currently available to the Department, it is expected that in the new allotment plan, most of the other TV undertakings, operating in both UHF and VHF bands, would also be assigned new TV channels.

51. Regular power TV undertakings currently operating in the 600 MHz band to be repurposed could in principle continue to operate on current channels until the spectrum is needed for the deployment of mobile broadband services. Domestically, the licensing for mobile services in this range is not expected before 2017.

52. Regular power TV undertakings currently operating outside of the 600 MHz band to be repurposed would likely need to relocate to newly assigned channels and possibly operate temporarily with modified parameters, as defined in the implementation plan for the new DTV allotment plan. The details on the implementation of the transition to the new DTV allotment plan can only be developed after the new allotment plan becomes available following the U.S. incentive auction. The new DTV allotment plan, like the current one, will be tightly integrated between the two countries. The timing and the implementation of the transition to the new DTV allotment plan would need to be coordinated between Canada and the United States to avoid or manage cross-border interference. As a result, timelines for Canadian licensees should be similar to the U.S. timelines. Based on specific timelines set in U.S. legislation, the FCC has mandated a deadline of 39 months after the conclusion of the incentive auction for the transition of all stations to their new channels.

53. The principles governing the transition plan could make use either of strict time sequencing and coordination to avoid any conflicts between stations operating on old and new channel assignments, or employ provisions for temporary operation with a reduced level of service (with reduced parameters or at increased interference levels). It is expected that the transition plan would require some Canadian TV stations to start operating on new channels as early as 2017; some stations in the United States and Canada may need to operate in the interim at reduced power levels and/or accept additional interference.

54. It is recognized that changing the channel of operation for a regular power TV station is a complex task, requiring significant engineering resources, time for planning and equipment procurement, etc. The Department proposes that all regular power TV undertakings which need to relocate to a new channel assignment in the new DTV allotment plan be provided a minimum notification period of 18 months after the implementation plan is finalized.

**Question 5:**

Industry Canada is seeking comments on the proposed transition policy for the regular power TV stations, including but not limited to

- the design objectives for the development of the new DTV allotment plan;
- the methodology and parameters to ensure minimal impact to TV reception;
- the minimum notification period for the relocation to the new DTV assignments; and
- the overall timing for the transition to the new DTV allotment plan.



## 8.2 Transition Policy for Low-Power Television Broadcasting Undertakings

55. As mentioned earlier, LPTV broadcasters operate on a no-interference, no-protection basis relative to the regular power TV stations. Impacts on LPTV stations will differ depending on whether they are within or outside the repurposed spectrum. As of October 24, 2014, there are 551 LPTV broadcasting undertakings (stations) authorized in Canada. The list of these stations, including their operating parameters, is provided in Annex A. It is expected that new channels of operation would be available for virtually all LPTV broadcasting undertakings.

56. As of October 24, 2014, there are 18 LPTV stations operating in the 700 MHz band (698-806 MHz, or TV channels 52 to 69). The 700 MHz band was auctioned for mobile broadband services in January 2014. In accordance with spectrum policy decision SMSE-002-12, *Policy and Technical Framework: Mobile Broadband Services (MBS) — 700 MHz Band, Broadband Radio Service (BRS) — 2500 MHz Band*, the LPTV stations operating in this range are subject to displacement by Industry Canada if it is determined that the continued operation of the LPTV station will interfere with the new mobile broadband services.

57. As set out in Section 10, effective immediately, a moratorium is in place for new LPTV broadcast certificate applications, or applications that seek approval for modification of existing broadcast certificates resulting in changes to channel assignment or increased coverage in any direction.

58. *LPTV stations within the 600 MHz band.* Similar to the transition policy for LPTVs operating in the 700 MHz band, the Department proposes that a transition policy for the LPTV stations currently operating in the 600 MHz band be based on the displacement of incumbents on a “where necessary” basis. The continued operation of existing LPTV systems would be permitted on their current channels if it does not prevent the deployment of new broadband mobile systems. LPTV station licensees would be afforded a notification period before displacement following the licensing of new services in the 600 MHz band.

59. The Department proposes that the displacement of the incumbent LPTV stations operating in the 600 MHz band be subject to a notification period of one year for LPTV stations located in urban areas and along highway corridors, and a period of two years for LPTV stations in all other areas. The Department would issue a displacement notification only after it determines that continued operation of the incumbent LPTV station would impede the deployment of new licensed systems in the 600 MHz band.

### Question 6:

Industry Canada is seeking comments on the proposed transition policy for LPTV undertakings in the spectrum to be repurposed to mobile use.

60. *LPTVs operating outside the 700 MHz and 600 MHz bands.* LPTV undertakings operate on secondary TV channel assignments on the basis of not causing interference to, and not receiving protection from, regular power TV stations. As most of the regular power TV stations will change channels of operation, it is expected that a significant number of the LPTV stations operating in the VHF and UHF bands outside the 600 MHz range would also be affected by the repacking. Some LPTV stations may receive interference from regular power TV stations, or may need to change operating

parameters (including channel of operation) to ensure protection of regular power TV stations operating on new channels in accordance with the new DTV allotment plan.

61. As with the regular power TV stations, the changes required for LPTV stations and the timing of their implementation can only be determined once the new DTV allotment plan has been finalized after the U.S. incentive auction. Should the 600 MHz band be repurposed and a new DTV allotment plan developed, the Department would endeavour to assist in finding new channels of operation for LPTV stations subject to displacement. It is expected that new channels of operation, which would maintain a coverage level similar to the current one, would be available for virtually all LPTV broadcasting undertakings.

62. Consistent with the Industry Canada Advisory Letter, dated September 26, 2006, broadcasting certificates for the LPTV undertakings switching to new channels will be issued for digital transmission only. The LPTV stations currently broadcasting in analog mode and which are found to be able to continue to operate on their current TV channels, could continue to operate in analog mode until further notice.

63. It is proposed that the Department would advise all LPTV stations of their status and projected displacement date within six months of the close of the U.S. incentive auction. LPTV station owners should ensure that their contact information with the Department is current.

**Question 7:**

Industry Canada is seeking comments on the proposed transition policy for LPTV undertakings below the 600 MHz band.

## **9. Transition Policy for Other Current Users**

### **9.1 Remote Rural Broadband Systems (RRBS)**

64. RRBS are communication systems that provide broadband to remote rural communities in Canada, using unused TV broadcasting channels (channels 21-51, excluding channel 37) in locations that are more than 121 km from the Canada–United States border and at a sufficient distance from major population centres. The policy decision to allow RRBS in Canada was established in Radio Systems Policy RP-006, Policy for the Use of 700 MHz Systems for Public Safety Applications and Other Limited Use of Broadcasting Spectrum, published in June 2006. RRBS licences include restrictions on operating near the border, near cities and on frequencies that create interference with TV broadcasting operations. They are not permitted to cause interference to, and are not protected from interference from, licensed broadcast operations.

65. In 2012, the Department released the document Framework for the Use of Certain Non-broadcasting Applications in the Television Broadcasting Bands Below 698 MHz on the introduction of TVWS devices in the bands below 698 MHz, which included a decision to continue to issue and renew licences for RRBS. However, the decision also indicated that, should changes occur to TV broadcast spectrum below 698 MHz, this process may need to be revisited.

66. As set out in Section 10, a moratorium is now in place for new RRBS applications, or RRBS applications that seek approval for modification of frequencies or increased coverage in any direction.

67. As of October 24, 2014, there are 83 RRBS stations as listed in Annex B. The impacts of 600 MHz spectrum reallocation on RRBS would not be known until after the U.S. auction. At this time, it is expected that most of the RRBS would need to change parameters (channel of operation and/or transmitted power, etc.) and virtually all will be accommodated with spectrum in the broadcasting frequencies.

68. The RRBS operating on frequencies in the 600 MHz range could continue to operate until the spectrum is needed for the deployment of mobile broadband systems. The Department proposes a transition policy for the RRBS currently operating in the 600 MHz range based on displacement, on an "as-necessary" basis. The operation of existing RRBS would continue to be permitted on a secondary basis (i.e. no-interference, no-protection) relative to the new mobile broadband systems. It is proposed that RRBS station licensees operating on frequencies within the 600 MHz band be afforded a notification period of two years (consistent with LPTV stations in rural areas) before displacement following the licensing of mobile services in Canada. A displacement notification would be issued by Industry Canada only after a technical determination is made, concluding that continued operation of the RRBS station would impede the deployment of new licensed systems in the 600 MHz band.

69. Should the 600 MHz band be repurposed and a new DTV allotment plan developed, the RRBS operating on frequencies outside the 600 MHz range would be impacted by the reorganization of the TV broadcasting assignments for regular and low-power TV stations. The details of these impacts would be driven by the implementation plan for TV repacking, which would be developed after the conclusion of the U.S. incentive auction, as described in paragraph 52. Depending on the location of the RRBS station in relation to the new allotment plan which is likely to be within the UHF band, stations would have varying advance notice displacement, as each RRBS station would only be required to vacate the spectrum in time for a specific broadcaster's relocation into those frequencies. In limited circumstances, this may result in a short displacement notification period if the RRBS operator is operating on frequencies required in the initial stages of the broadcasting repacking plan. Once the implementation plan has been established, RRBS licensees would be advised of the likely timelines for relocation and possible options for new frequencies. The Department would assist in finding new channels of operations for RRBS stations. It is expected that new channels of operation in the UHF TV band, providing a coverage level similar to the current one, would be available for the majority of RRBS stations. However, it is possible that, in some cases, spectrum within the UHF band may not be available. To increase channel availability for current RRBS operations, Industry Canada proposes to increase the spectrum range where the channels for RRBS can be reassigned, by also adding the 470-512 MHz range (TV channels 14-20) to the frequency band where RRBS are allowed to operate.

**Question 8:**

Industry Canada is seeking comments on the proposed transition policy for RRBS.

## 9.2 Low-Power Apparatus, Including Wireless Microphones and Camera Systems

70. The use of wireless microphones and camera systems, on both a licensed and licence-exempt basis, is currently permitted in the VHF bands (54-72 MHz, 76-88 MHz, 174-216 MHz) and the UHF band (470-698 MHz). Following the Department's decision to allow the use of TVWS devices (see SMSE-012-12), TV band wireless microphone and camera operators were able to apply for a licence to ensure interference protection from TVWS devices. As set out in Section 10, a moratorium is now in place for new applications for licensing for low-power apparatus (i.e. wireless microphones and cameras).

71. The UHF TV band is widely used by low-power radiocommunication apparatus, including wireless microphones and camera systems. Through spectrum advisory bulletins SAB-001-10 and SAB-001-12, Industry Canada announced that operation of low-power radiocommunication devices, including wireless microphones, would no longer be permitted in the band 698-806 MHz after March 31, 2013. Many of these systems have relocated their frequencies of operation from the 700 MHz band into the TV UHF band below 698 MHz.

72. If the 600 MHz band is repurposed for mobile broadband systems, low-power apparatus could not operate in this range, due to mutual interference with mobile broadband systems. The use of low-power apparatus will be permitted to continue until the licensing of the new mobile broadband systems, which is not expected to occur before 2017. As the exact frequency range for the 600 MHz band will only be determined after the conclusion of the U.S. incentive auction, a decision on the new frequency range for the certification and operation of all low-power apparatus will be addressed in a separate consultation process, as described in paragraph 35, after the conclusion of the U.S. auction.

73. The approach taken is expected to align with the United States, so that wireless microphones and cameras can be built for both markets, taking into consideration mobile services and OTA TV.

## 9.3 TV White Space (TVWS)

74. The framework for the deployment of TVWS devices in Canada was established through Industry Canada's decision paper SMSE-012-12. As the technical and licensing rules for the deployment of TVWS devices are not yet finalized, there are no deployments in Canada. Also, the TVWS devices are adaptive and operate based on interference avoidance, and it is expected that the repurposing of a portion of the UHF TV band would not impact these systems. Although repacking the 600 MHz spectrum band would decrease the amount of TVWS spectrum available, there would still be spectrum available for these devices, especially in rural areas.

### 9.3.1 Radiocommunication Applications in Channel 37

75. As shown in Section 7.1, the proposed band plan for mobile systems in the 600 MHz band avoids the use of channel 37 (608-614 MHz). In addition, the band plan includes guard bands for the protection of the users of channel 37 (RAS and WMTS). Should the 600 MHz band be repurposed, technical rules for mobile broadband systems (such as out-of-band emission limits, geographical protection areas, etc.) may be put in place as applicable to ensure the protection of WMTS and RAS. As a result, no impact is expected for these applications operating in channel 37.

76. *Wireless Medical Telemetry Systems*. In addition to the band 608-614 MHz, the frequency bands 1395-1400 MHz and 1427-1429.5 MHz were designated specifically for WMTS use, through Industry Canada's decision paper DGTP-006-09. WMTS are also permitted to use the 174-217 MHz and 470-608 MHz bands on a no-interference, no-protection basis. Based on equipment certification data available to the Department, the use of WMTS in TV bands outside of channel 37 is nil or extremely limited. However, considering the significant channel assignment changes possible throughout the VHF and UHF TV bands (174-216 MHz and 470-698 MHz), in order to reduce risk of interference to medical telemetry facilities, the Department is now changing the spectrum utilization policy in regard to the WMTS, as set out below.

**Decision 1:**

Effective immediately, the bands 216-217 MHz, 608-614 MHz, 1395-1400 MHz and 1427-1429.5 MHz are the only bands designated for use of WMTS. Any medical facilities which may still be using WMTS in the bands 174-216 MHz and 470-608 MHz are advised to take measures to transition to 216-217 MHz, 608-614 MHz, 1395-1400 MHz, and 1427-1429.5 MHz.<sup>9</sup>

The Department's RSS-210 radio equipment standard will be updated to reflect this decision.

**10. Moratorium on New Applications for Licensing**

77. As a result of the considerations and potential changes raised in this consultation, and the possible significant reorganization of the services in the TV broadcasting bands, the Department is now placing a moratorium on new applications for licensing in the TV broadcasting bands. It is expected that the moratorium will be in place until the revised TV allotment plan, spectrum utilization policies for radiocommunication services, and technical and regulatory rules for the TV broadcasting bands become available. Once this process is complete, the licensing moratorium will be lifted on some or all of these services.

**Decision 2:**

Effective immediately, the Department will no longer accept the following types of applications:

- new applications for TV broadcasting certificates for all classes of TV stations;
- applications for modification of an existing TV broadcasting certificate resulting in increasing the coverage in any direction or changing the operating channel;
- new applications for licensing of RRBS stations;
- applications for modification of an existing RRBS station which would increase the coverage in any direction or change operating frequencies; and
- new applications for licensing for low-power apparatus (i.e. wireless microphones and cameras).

<sup>9</sup> As per the *Notice Regarding the Operation of Wireless Medical Telemetry Systems Devices in Canada*, the bands 1395-1400 MHz and 1427-1429.5 MHz are unavailable for WMTS in Sydney, Nova Scotia, and Gander, Newfoundland and Labrador.

## 11. Changes to Canadian Table of Frequency Allocations

78. The *Canadian Table of Frequency Allocations* (Canadian Table) establishes the frequency allocations available for radio services in Canada. While the mobile broadband service is expected to be the primary use of the 600 MHz band, the Department proposes to provide flexible licensing in this frequency range, enabling the deployment of any application under the mobile, fixed or broadcasting services.

79. To support licensing and deployment of wireless broadband systems in the 600 MHz band, the Department proposes to add co-primary allocations for fixed and mobile services to the frequency ranges 512-608 MHz and 614-698 MHz (corresponding with TV channels 21-51). Note that in the International Table<sup>10</sup> these frequency ranges already include co-primary allocations to fixed and mobile services for Canada, through footnotes 5.293 and 5.297.

### Question 9:

Industry Canada is seeking comments on the proposal to update the *Canadian Table of Frequency Allocations* by adding co-primary allocations to fixed and mobile services in the 512-608 MHz and 614-698 MHz ranges.

## 12. Next Steps

80. A decision on whether to repack with the United States will be released prior to the start of the U.S. auction. Should the decision be made to proceed with the repurposing of the 600 MHz band jointly with the United States, Industry Canada will consult on the policy and the technical and licensing framework at a later date.

## 13. Submitting Comments

81. Respondents are requested to provide their comments in electronic format (Microsoft Word or Adobe PDF) to the following email address: [spectrum.auctions@ic.gc.ca](mailto:spectrum.auctions@ic.gc.ca).

82. Written submissions should be addressed to the Senior Director, Spectrum Licensing and Auction Operations, Industry Canada, 235 Queen Street, Ottawa, Ontario K1A 0H5.

83. All submissions should cite the *Canada Gazette*, Part 1, the publication date, the title and the notice reference number (SLPB-005-14). Parties should submit their comments no later than January 26, 2015 to ensure consideration. Soon after the close of the comment period, all comments received will be posted on Industry Canada's Spectrum Management and Telecommunications website at <http://www.ic.gc.ca/spectrum>.

<sup>10</sup> Article 5 of the ITU-R *Radio Regulations*, <http://www.itu.int/pub/R-REG-RR/en>.



84. Parties should be reminded to avoid submitting confidential information, as all comments will be made available to the public.

85. Industry Canada will also provide interested parties with the opportunity to reply to comments from other parties. Reply comments will be accepted for the two weeks (14 calendar days) following the publication date of the comments received.

86. Following the initial comment period, Industry Canada may, at its discretion, request additional information if needed to clarify significant positions or new proposals. In such a case, the reply comment deadline may be extended.

#### **14. Obtaining Copies**

87. All spectrum-related documents referred to in this paper are available on Industry Canada's Spectrum Management and Telecommunications website at <http://www.ic.gc.ca/spectrum>.

88. For further information concerning the process outlined in this document or related matters, contact:

Manager, Spectrum Licensing  
Spectrum Licensing Policy Branch  
Industry Canada  
235 Queen Street  
Ottawa, Ontario K1A 0H5

Telephone: 613-617-4437

Email: [spectrum.auctions@ic.gc.ca](mailto:spectrum.auctions@ic.gc.ca)

**Annex A – List of Canadian TV Stations**

**Table 1 - Canadian regular power TV stations operating as of October 24, 2014**

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
AB	Ashmont	CFRN-TV-4	540807	1113620	12	A	827.5	26650	BELL MEDIA INC.
AB	Athabasca	CFRN-TV-12	544214	1131723	13	A	690.4	3300	BELL MEDIA INC.
AB	Bonnyville	CKSA-TV-2	541154	1105031	9	A	765.4	41500	NEWCAP INC.
AB	Bow Island	CJIL-TV-1	494708	1111929	39	A	939.2	13860	THE MIRACLE CHANNEL ASSOCIATION
AB	Burmis	CISA-TV-1	493154	1141141	3	A	1452.3	409	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Burmis	CFCN-TV-4	493154	1141141	5	A	1458.1	382	BELL MEDIA INC.
AB	Calgary	CBRT-DT	510354	1141251	21	D	1497.3	373400	CBC/ RADIO-CANADA
AB	Calgary	CFCN-DT	510337	1141017	29	D	1341.7	220000	BELL MEDIA INC.
AB	Calgary	CKCS-DT	510337	1141017	32	D	1341.2	36000	CROSSROADS TELEVISION SYSTEM
AB	Calgary	CJCO-DT	510421	1141538	38	D	1534	25000	ROGERS BROADCASTING LIMITED
AB	Calgary	CICT-DT	510421	1141538	41	D	1534	50000	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Calgary	CKAL-DT	510421	1141538	49	D	1534	100000	ROGERS BROADCASTING LIMITED
AB	Drumheller	CFCN-TV-1	513346	1121948	12	A	1254.3	80000	BELL MEDIA INC.
AB	Edmonton	CFRN-DT	532258	1131301	12	D	1006	25000	BELL MEDIA INC.
AB	Edmonton	CITV-DT	532258	1131301	13	D	1006	25000	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Edmonton	CKEM-DT	533155	1134653	17	D	987	107000	ROGERS BROADCASTING LIMITED
AB	Edmonton	CKES-DT	532747	1132007	30	D	891	42000	CROSSROADS TELEVISION SYSTEM
AB	Edmonton	CBXT-DT	533048	1131706	42	D	939	128560	CBC/ RADIO-CANADA

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
AB	Edmonton	CJEO-DT	533155	1134653	44	D	987	58000	ROGERS BROADCASTING LIMITED
AB	Edmonton	CBXFT-DT	533048	1131706	47	D	870.4	15180	CBC/ RADIO-CANADA
AB	Grande Prairie	CFRN-TV-1	552757	1184537	13	A	1109.9	64000	BELL MEDIA INC.
AB	Grouard Mission	CFRN-TV-8	553226	1160730	18	A	783	10000	BELL MEDIA INC.
AB	Lac La Biche	CFRN-TV-5	544513	1115630	2	A	669.1	8656	BELL MEDIA INC.
AB	Lethbridge	CISA-DT	494647	1125218	7	D	1109.4	19700	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Lethbridge	CFCN-DT-5	494359	1125740	13	D	1098.5	27000	BELL MEDIA INC.
AB	Lethbridge	CJIL-DT	494647	1125218	17	D	1044.6	8600	THE MIRACLE CHANNEL ASSOCIATION
AB	Lethbridge	CKAL-DT-1	494057	1125538	46	D	1122	79000	ROGERS BROADCASTING LIMITED
AB	Lloydminster	CKSA-DT	532347	1100030	2	D	846.1	8100	NEWCAP INC.
AB	Lloydminster	CITL-DT	532347	1100030	4	D	846.1	9100	NEWCAP INC.
AB	Lougheed	CFRN-TV-7	523215	1113110	7	A	934.8	21000	BELL MEDIA INC.
AB	Medicine Hat	CHAT-TV	500945	1105723	6	A	956	58000	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
AB	Medicine Hat	CFCN-TV-8	500945	1105723	8	A	894.6	24600	BELL MEDIA INC.
AB	Oyen	CFCN-TV-16	512120	1102302	2	A	869	710	BELL MEDIA INC.
AB	Peace River	CFRN-TV-2	560847	1172020	3	A	670.9	4300	BELL MEDIA INC.
AB	Pivot	CHAT-TV-1	502414	1100310	4	A	974.9	4900	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
AB	Red Deer	CKEM-TV-1	521412	1133854	4	A	1142.4	7000	ROGERS BROADCASTING LIMITED

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
AB	Red Deer	CFRN-TV-6	521910	1134041	8	A	1183.5	71000	BELL MEDIA INC.
AB	Red Deer	CITV-DT-1	521635	1134126	28	D	1166.5	132000	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Rocky Mountain House	CFRN-TV-10	523121	1145245	12	A	1176	1600	BELL MEDIA INC.
AB	Slave Lake	CFRN-TV-9	552818	1144709	4	A	1051.2	840	BELL MEDIA INC.
AB	Whitecourt	CFRN-TV-3	540155	1154304	12	A	1225	17900	BELL MEDIA INC.
BC	100 Mile House	CFJC-TV-6	515400	1211535	5	A	1660.8	980	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	100 Mile House	CITM-DT	515410	1211542	21	D	1662	4284	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Bowen Island	CHAN-DT-2	492326	1232243	39	D	509	954	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Burns Lake	CH4333	541522	1254043	7	A	1236	725	BURNS LAKE & DISTRICT REBROADCASTING SOCIETY
BC	Burns Lake	CKHS-TV	541522	1254043	13	A	1236	63	BURNS LAKE & DISTRICT REBROADCASTING SOCIETY
BC	Chilliwack	CHAN-DT-1	490411	1220138	31	D	600	428	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Clinton	CFJC-TV-4	510536	1213957	9	A	1998.3	204	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Courtenay	CKVU-TV-1	493536	1250041	5	A	418.7	17700	ROGERS BROADCASTING LIMITED
BC	Courtenay	CHAN-DT-4	494454	1251458	25	D	1019	4450	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Cranbrook	CFCN-TV-9	492730	1153749	5	A	2213	446	BELL MEDIA INC.

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
BC	Dawson Creek	CJDC-TV	554344	1202647	5	A	1072.9	9500	BELL MEDIA INC.
BC	Enderby	CHBC-TV-5	503356	1190607	16	A	610.5	2400	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Fraser Lake	CFFL-TV-1	540159	1243746	9	A	1153	324	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Fraser Valley	CHNU-DT	490347	1221300	47	D	493.5	21400	ZOOMERMEDIA LIMITED
BC	Houston	CFHO-TV	542632	1263936	8	A	1276.2	390	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Kamloops	CFJC-TV	504015	1202355	4	A	920.8	3700	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Kamloops	CHKM-DT	504015	1202355	22	D	914	30000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Kelowna	CHKL-DT	495800	1193144	24	D	1305.8	35000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Kelowna	CHBC-DT	495800	1193144	27	D	1305.8	35000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Nelson	CKTN-TV-3	492935	1171619	3	A	867	330	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Oliver	CHBC-TV-3	490600	1193449	8	A	758.1	220	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Oliver/Osoyoos	CKKM-TV	490815	1194014	3	A	1892.8	930	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Ootsa Lake	CH4467	535214	1260041	5	A	1188	228	BURNS LAKE & DISTRICT REBROADCASTING SOCIETY
BC	Ootsa Lake	CHHH-TV	535214	1260041	10	A	1203	320	BURNS LAKE & DISTRICT REBROADCASTING SOCIETY
BC	Ootsa Lake	CHBL-TV	535214	1260041	11	A	1188	162	BURNS LAKE & DISTRICT REBROADCASTING SOCIETY

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
BC	Penticton	CHKL-DT-1	493934	1193422	30	D	1338.6	3000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Penticton	CHBC-DT-1	493934	1193422	32	D	1338.6	3000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Prince George	CKPG-TV	540247	1225335	2	A	1066.7	8300	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Prince George	CIFG-DT	535448	1222715	29	D	1278	30000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Prince Rupert	CFTK-TV-1	541704	1301854	6	A	754.6	2440	ASTRAL MEDIA RADIO G.P.
BC	Salmon Arm	CHBC-TV-4	504522	1192001	9	A	582.1	486	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Smithers	CFHO-TV-1	544427	1265856	13	A	1075	213	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Squamish	CHAN-DT-3	493851	1231239	7	D	307.8	428	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Terrace	CFTK-TV	543104	1282821	3	A	1034.8	13800	ASTRAL MEDIA RADIO G.P.
BC	Trail	CKTN-TV	490530	1174914	8	A	1605.9	18000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Vancouver	CIVI-DT-2	492116	1225730	17	D	938.1	35000	BELL MEDIA INC.
BC	Vancouver	CHNM-DT	492126	1225713	20	D	980.9	8300	ROGERS BROADCASTING LIMITED
BC	Vancouver	CHAN-DT	492126	1225713	22	D	980.9	40000	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Vancouver	CBUFT-DT	492112	1225718	26	D	930.5	27520	CBC/ RADIO-CANADA
BC	Vancouver	CIVT-DT	492128	1225714	32	D	1045	33000	BELL MEDIA INC.
BC	Vancouver	CKVU-DT	492126	1225713	33	D	980.9	8300	ROGERS BROADCASTING LIMITED
BC	Vancouver	CBUT-DT	492113	1225723	43	D	930.5	103340	CBC/ RADIO-CANADA
BC	Vernon	CHBC-DT-2	501643	1191857	20	D	837	3900	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Vernon	CHKL-DT-2	501643	1191857	22	D	837	4000	SHAW TELEVISION LIMITED PARTNERSHIP



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BC	Victoria	CHNU-DT-1	482530	1232013	21	D	119.7	3500	ZOOMERMEDIA LIMITED
BC	Victoria	CIVI-DT	482530	1232013	23	D	119.7	1500	BELL MEDIA INC.
BC	Victoria	CKVU-DT-2	482530	1232013	27	D	119.7	2750	ROGERS BROADCASTING LIMITED
BC	Victoria	CHNM-DT-1	482530	1232013	29	D	119.7	2750	ROGERS BROADCASTING LIMITED
BC	Victoria	CHEK-DT	484627	1231015	49	D	496	28000	0859291 BC LTD., A.K.A., CHEK MEDIA GROUP
BC	Wilson Creek	CHAN-DT-6	491319	1240015	23	D	304.4	4300	SHAW TELEVISION LIMITED PARTNERSHIP
MB	Brandon	CKYB-TV	494005	1000042	4	A	845.2	100000	BELL MEDIA INC.
MB	Dauphin	CKYD-TV	512814	1004312	12	A	1000.1	140000	BELL MEDIA INC.
MB	Fisher Branch	CKYA-TV	510450	973857	8	A	389.8	62000	BELL MEDIA INC.
MB	Flin Flon	CKYF-TV	544717	1015042	13	A	389.5	2060	BELL MEDIA INC.
MB	Minnedosa	CKND-DT-2	501700	1000639	9	D	957	30500	SHAW TELEVISION LIMITED PARTNERSHIP
MB	Portage La Prairie	CHMI-DT	495226	974427	13	D	565.8	8300	ROGERS BROADCASTING LIMITED
MB	The Pas	CKYP-TV	535009	1011512	12	A	317.7	2130	BELL MEDIA INC.
MB	Thompson	CKYT-TV	554343	975150	9	A	254.3	2185	BELL MEDIA INC.
MB	Winnipeg	CKY-DT	493448	971005	7	D	507.7	24000	BELL MEDIA INC.
MB	Winnipeg	CBWT-DT	495343	970817	27	D	371.8	42000	CBC/ RADIO-CANADA
MB	Winnipeg	CIIT-DT	494520	970753	35	D	472.2	6000	ZOOMERMEDIA LIMITED
MB	Winnipeg	CKND-DT	495344	970822	40	D	363.6	25100	SHAW TELEVISION LIMITED PARTNERSHIP
MB	Winnipeg	CBWFT-DT	495343	970817	51	D	372.1	7600	CBC/ RADIO-CANADA
NB	Campbellton	CKCD-TV	480458	663450	7	A	385.5	1800	BELL MEDIA INC.
NB	Edmundston	CIMT-DT-1	472316	681901	4	D	376.4	2220	TELE INTER-RIVES LTEE
NB	Florenceville	CKLT-TV-1	462513	673334	3	A	345.9	35000	BELL MEDIA INC.
NB	Fredericton	CBAT-DT	455651	663540	31	D	164.6	7360	CBC/ RADIO-CANADA

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NB	Fredericton	CIHF-DT-1	460226	662924	44	D	259	28000	SHAW TELEVISION LIMITED PARTNERSHIP
NB	Miramichi	CIHF-DT-13	470321	652920	40	D	172	4400	SHAW TELEVISION LIMITED PARTNERSHIP
NB	Moncton	CBAFT-DT	460838	645408	11	D	304.3	17750	CBC/ RADIO-CANADA
NB	Moncton	CIHF-DT-3	454833	644456	27	D	491	86000	SHAW TELEVISION LIMITED PARTNERSHIP
NB	Moncton	CKCW-DT	455107	644845	29	D	507.5	390000	BELL MEDIA INC.
NB	Saint John	CKLT-DT	452839	661359	9	D	552.6	7600	BELL MEDIA INC.
NB	Saint John	CHNB-DT	452840	661400	12	D	465.3	6000	SHAW TELEVISION LIMITED PARTNERSHIP
NB	St Stephen	CIHF-DT-12	450954	665423	21	D	259.7	2200	SHAW TELEVISION LIMITED PARTNERSHIP
NB	Upsalquitch	CKAM-TV	472721	662458	12	A	854.9	230000	BELL MEDIA INC.
NB	Woodstock	CIHF-DT-11	462512	673332	38	D	326.4	4470	SHAW TELEVISION LIMITED PARTNERSHIP
NF	St. John's	CBNT-DT	473204	524721	8	D	354.3	17100	CBC/ RADIO-CANADA
NF	St. John's	CJON-DT	473132	524248	21	D	333.1	482300	NEWFOUNDLAND BROADCASTING COMPANY LTD.
NS	Antigonish	CJCB-TV-2	453245	621536	9	A	445.9	260000	BELL MEDIA INC.
NS	Antigonish	CIHF-DT-15	453834	620729	21	D	363.6	7000	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Bridgewater	CIHF-DT-6	442317	644044	35	D	258	17500	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Caledonia	CJCH-TV-6	442028	650638	6	A	302.7	100000	BELL MEDIA INC.
NS	Canning	CJCH-TV-1	451212	642403	10	A	302.6	18100	BELL MEDIA INC.
NS	Halifax	CIHF-DT	443903	633925	8	D	303	1000	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Halifax	CBHT-DT	443903	633925	39	D	329.1	157540	CBC/ RADIO-CANADA
NS	Halifax	CJCH-DT	443847	633937	48	D	273.9	400000	BELL MEDIA INC.

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NS	Inverness	CJCB-TV-1	460913	612258	6	A	386.5	9400	BELL MEDIA INC.
NS	Isle Madame	CIMC-TV	453050	610054	10	A	69	1200	TELE ISLE MADAME COMMUNITY TELEVISION
NS	Mulgrave	CIHF-DT-16	453556	612444	28	D	215.2	181	SHAW TELEVISION LIMITED PARTNERSHIP
NS	New Glasgow	CIHF-DT-8	452854	623347	34	D	328.7	3700	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Port Hawkesbury	CJCB-TV-6	453744	611934	3	A	153	15000	BELL MEDIA INC.
NS	Sheet Harbour	CJCH-TV-5	445533	623001	2	A	127.6	1500	BELL MEDIA INC.
NS	Shelburne	CIHF-DT-9	434609	652057	28	D	151	11300	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Sydney	CJCB-TV	460719	601023	4	A	136.4	180000	BELL MEDIA INC.
NS	Sydney	CIHF-DT-7	460555	601841	36	D	240	65000	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Truro	CIHF-DT-4	451835	632001	18	D	260	3500	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Wolfville	CIHF-DT-5	450239	642119	20	D	322	166000	SHAW TELEVISION LIMITED PARTNERSHIP
NS	Yarmouth	CJCH-TV-7	435456	660516	40	A	189.4	33000	BELL MEDIA INC.
NS	Yarmouth	CIHF-DT-10	435456	660516	45	D	189.4	4900	SHAW TELEVISION LIMITED PARTNERSHIP
NT	Hay River	CBEBT-1	604828	1154715	7	A	218.2	2565	CBC/ RADIO-CANADA
NT	Yellowknife	CFYK-DT	622650	1142137	8	D	240.8	2320	CBC/ RADIO-CANADA
NT	Yellowknife	CH4127	622650	1142137	13	A	233.3	735	ASSOCIATION FRANCO-CULTURELLE DE YELLOWKNIFE
ON	Bancroft	CIII-TV-2	450334	771159	2	A	733.5	100000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Barrie	CKVR-DT	442105	794154	10	D	586.1	11000	BELL MEDIA INC.

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ON	Belleville	CICO-DT-53	441845	771224	26	D	326.8	13000	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Brighton	CKWS-DT-1	440240	774735	30	D	292	938	591987 B.C. LTD.
ON	Chapleau	CITO-TV-4	475115	832508	9	A	575.2	1550	BELL MEDIA INC.
ON	Chatham	CICO-DT-59	422658	820501	33	D	404.2	2500	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Cloyne	CICO-DT-92	445248	771151	44	D	469.8	12000	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Cornwall	CJOH-TV-8	451035	743137	8	A	247.8	260000	BELL MEDIA INC.
ON	Deseronto	CJOH-TV-6	440830	770433	6	A	300.3	100000	BELL MEDIA INC.
ON	Elliot Lake	CICI-TV-1	462547	824009	3	A	487	19000	BELL MEDIA INC.
ON	Fonthill	CKVP-DT	430306	791803	42	D	321.1	5000	BELL MEDIA INC.
ON	Hamilton	CHCH-DT	431227	794627	15	D	485.5	132000	2190015 ONTARIO INC.
ON	Hamilton	CHCJ-DT	431354	795133	35	D	281	390000	BELL MEDIA INC.
ON	Hamilton	CITS-DT	431227	794627	36	D	485.5	473000	CROSSROADS TELEVISION SYSTEM
ON	Hearst	CITO-TV-3	493850	833050	4	A	411.5	7110	BELL MEDIA INC.
ON	Huntsville	CKNY-TV-11	451944	785755	11	A	566.7	325000	BELL MEDIA INC.
ON	Kapuskasing	CITO-TV-1	492328	822127	10	A	337.4	17500	BELL MEDIA INC.
ON	Kearns	CITO-TV-2	480808	793319	11	A	520	325000	BELL MEDIA INC.
ON	Kenora	CJBN-TV	494604	943123	13	A	403.1	275	SHAW CABLESYSTEMS LIMITED

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ON	Kingston	CKWS-DT	441002	762539	11	D	393.7	9400	591987 B.C. LTD.
ON	Kitchener	CKCO-DT	432415	803804	13	D	638	12000	BELL MEDIA INC.
ON	Kitchener	CICO-DT-28	431541	802641	28	D	579.7	20200	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	London	CFPL-DT	425659	811552	10	D	561.8	45000	BELL MEDIA INC.
ON	London	CITS-DT-2	425720	812119	14	D	524	4000	CROSSROADS TELEVISION SYSTEM
ON	London	CICO-DT-18	425716	812117	18	D	573.2	2400	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	London	CJMT-DT-1	425720	812119	20	D	454.2	14000	ROGERS BROADCASTING LIMITED
ON	London	CFMT-DT-1	425720	812119	48	D	454.2	25000	ROGERS BROADCASTING LIMITED
ON	London	CHCH-DT-2	425027	815129	51	D	515.2	190000	2190015 ONTARIO INC.
ON	Midland	CIII-DT-7	445814	794657	7	D	550	6750	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Muskoka	CHCH-DT-3	445814	794657	23	D	510	63000	2190015 ONTARIO INC.
ON	North Bay	CKNY-TV	460348	792602	10	A	477	132600	BELL MEDIA INC.
ON	North Bay	CFGC-DT-2	461810	792439	15	D	341.5	16800	SHAW TELEVISION LIMITED PARTNERSHIP
ON	North Bay	CHCH-TV-6	461810	792439	32	A	369.5	5000	2190015 ONTARIO INC.
ON	Orillia	CFTO-TV-21	445204	793541	21	A	382.4	207600	BELL MEDIA INC.
ON	Oshawa	CHEX-TV-2	435715	784823	22	A	309	5500	591989 B.C. LTD.
ON	Ottawa	CJOH-DT	453011	755101	13	D	513	19000	BELL MEDIA INC.
ON	Ottawa	CIII-DT-6	453011	755101	14	D	529.1	145000	SHAW TELEVISION LIMITED PARTNERSHIP

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ON	Ottawa	CITY-DT-3	451301	753350	17	D	304.1	5100	ROGERS BROADCASTING LIMITED
ON	Ottawa	CJMT-DT-2	451301	753350	20	D	291	15000	ROGERS BROADCASTING LIMITED
ON	Ottawa	CHCH-DT-1	451301	753350	22	D	304.1	25000	2190015 ONTARIO INC.
ON	Ottawa	CICO-DT-24	453011	755101	24	D	480.9	95000	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Ottawa	CBOT-DT	453011	755101	25	D	557.8	311485	CBC/ RADIO-CANADA
ON	Ottawa	CFMT-DT-2	451301	753350	27	D	291	15000	ROGERS BROADCASTING LIMITED
ON	Ottawa	CBOFT-DT	453011	755101	33	D	529.1	480000	CBC/ RADIO-CANADA
ON	Ottawa	CITS-DT-1	451301	753350	42	D	291	37000	CROSSROADS TELEVISION SYSTEM
ON	Ottawa	CHRO-DT-43	451301	753350	43	D	265.7	50000	BELL MEDIA INC.
ON	Owen Sound	CIII-DT-4	442645	805959	26	D	407	192000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Paris	CIII-DT	431539	802638	17	D	563.8	165000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Pembroke	CHRO-TV	455002	770949	5	A	306.2	100000	BELL MEDIA INC.
ON	Pembroke	CJOH-TV-47	455002	770949	47	A	269	492000	BELL MEDIA INC.
ON	Peterborough	CHEX-DT	441941	781758	12	D	554.8	20000	591987 B.C. LTD.
ON	Peterborough	CIII-DT-27	440414	780835	27	D	484.8	275000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Peterborough	CFTO-DT-54	442644	783159	35	D	439.5	38000	BELL MEDIA INC.
ON	Prescott	CKWS-TV-2	444955	753116	26	A	210	7200	591989 B.C. LTD.
ON	Sarnia	CKCO-TV-3	424253	820811	42	A	497.6	846000	BELL MEDIA INC.



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ON	Sarnia-Oil Springs	CIII-DT-29	424321	820959	29	D	403	184000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Sault Ste Marie	CHBX-TV	463540	842100	2	A	469.4	100000	BELL MEDIA INC.
ON	Sault Ste Marie	CIII-DT-12	463550	841653	15	D	414.4	6000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Sault Ste Marie	CHCH-TV-5	463550	841653	38	A	391.6	5000	2190015 ONTARIO INC.
ON	Smiths Falls	CKWS-TV-3	450042	760316	36	A	233.1	10000	591989 B.C. LTD.
ON	Stevenson	CIII-DT-22	420341	822905	22	D	290.8	49000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Sudbury	CICI-TV	463003	810112	5	A	611.4	100000	BELL MEDIA INC.
ON	Sudbury	CFGC-DT	463019	805733	11	D	420.6	11700	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Sudbury	CHCH-TV-4	462529	810053	41	A	447.8	35000	2190015 ONTARIO INC.
ON	Thunder Bay	CKPR-DT	483127	890653	2	D	686.3	1200	THUNDER BAY ELECTRONICS LIMITED
ON	Thunder Bay	CHFD-DT	483127	890653	4	D	686.3	1200	THUNDER BAY ELECTRONICS LIMITED
ON	Thunder Bay	CICO-DT-9	483259	891328	9	D	611.1	4500	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Timmins	CITO-TV	483250	805708	3	A	429.7	100000	BELL MEDIA INC.
ON	Timmins	CHCH-TV-7	482812	811749	11	A	431	3300	2190015 ONTARIO INC.
ON	Timmins	CIII-DT-13	482812	811749	13	D	471	30000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Toronto	CFTO-DT	433833	792314	9	D	573.6	10800	BELL MEDIA INC.
ON	Toronto	CICA-DT	433833	792314	19	D	597.8	106500	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Toronto	CBLT-DT	433833	792314	20	D	597.8	106900	CBC/ RADIO-CANADA

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ON	Toronto	CBLFT-DT	433833	792314	25	D	597.8	106200	CBC/ RADIO-CANADA
ON	Toronto	CJMT-DT	433833	792314	40	D	608.1	19500	ROGERS BROADCASTING LIMITED
ON	Toronto	CIII-DT-41	433833	792314	41	D	608	100000	SHAW TELEVISION LIMITED PARTNERSHIP
ON	Toronto	CITY-DT	433833	792314	44	D	608.1	21000	ROGERS BROADCASTING LIMITED
ON	Toronto	CFMT-DT	433833	792314	47	D	608.1	22200	ROGERS BROADCASTING LIMITED
ON	Wawa	CHBX-TV-1	480113	844500	7	A	539.5	66400	BELL MEDIA INC.
ON	Wheatley	CHWI-DT	420830	822648	16	D	349.1	3400	BELL MEDIA INC.
ON	Windsor	CBET-DT	420912	825711	9	D	370.5	26000	CBC/ RADIO-CANADA
ON	Windsor	CHWI-DT-60	421858	830224	26	D	277	200	BELL MEDIA INC.
ON	Windsor	CICO-DT-32	420912	825711	32	D	400.2	19000	THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY
ON	Wingham	CKNX-TV	440526	811225	8	A	540.4	260000	BELL MEDIA INC.
ON	Woodstock	CITY-DT-2	430246	804604	31	D	588.2	20000	ROGERS BROADCASTING LIMITED
PE	Charlottetown	CKCW-DT-1	461601	632028	8	D	198	9600	BELL MEDIA INC.
PE	Charlottetown	CBCT-DT	461244	632029	13	D	304.5	13030	CBC/ RADIO-CANADA
PE	Charlottetown	CIHF-DT-14	462152	632436	42	D	199	6400	SHAW TELEVISION LIMITED PARTNERSHIP
PE	St Edward	CKCW-TV-2	465334	640853	5	A	117.9	1100	BELL MEDIA INC.
QC	Bale-Comeau	CFTF-DT-5	491401	680825	9	D	175	727	TELEVISION MBS INC.
QC	Baie-Trinité	CIVF-DT	492328	672815	12	D	266.7	46000	SOCIETE TELE-QUEBEC
QC	Bearn/Fabre	CKRN-TV-3	471516	792237	3	A	414.5	3640	RNC MEDIA INC.

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QC	Carleton	CHAU-DT	480808	660704	5	D	633.4	9850	CHAU-TV COMMUNICATIONS LTEE
QC	Carleton	CIVK-DT	480808	660658	15	D	604.4	140000	SOCIETE TELE-QUEBEC
QC	Carleton	CFTF-DT-11	480808	660704	44	D	569	26000	TELEVISION MBS INC.
QC	Chandler	CHAU-DT-4	482122	644103	26	D	68.4	184	CHAU-TV COMMUNICATIONS LTEE
QC	Chapeau	CIVP-DT	455529	770422	23	D	285.6	758	TELE-QUEBEC
QC	Chicoutimi	CJPM-DT	482428	710504	46	D	231.8	200000	GROUPE TVA INC.
QC	Cloridorme	CHAU-DT-8	491127	645327	11	D	179	110	CHAU-TV COMMUNICATIONS LTEE
QC	Forestville	CFTF-DT-4	484832	690026	4	D	224	1900	TELEVISION MBS INC.
QC	Gascons	CIVK-DT-1	481241	645214	32	D	281.9	180000	SOCIETE TELE-QUEBEC
QC	Gaspé	CHAU-DT-6	485015	642932	7	D	191.9	103	CHAU-TV COMMUNICATIONS LTEE
QC	Gaspé	CIVK-DT-3	485001	641524	35	D	454	550	SOCIETE TELE-QUEBEC
QC	Gatineau	CIVO-DT	453011	755101	30	D	501.3	300200	TELE-QUEBEC
QC	Gatineau	CFGS-DT	453011	755101	34	D	501.3	30000	RNC MEDIA INC.
QC	Gatineau	CHOT-DT	453011	755101	40	D	501.3	111400	RNC MEDIA INC.
QC	Grand-Fonds	CIVB-DT-1	474647	700908	31	D	935.5	95000	SOCIETE TELE-QUEBEC
QC	Joutel	CJDG-TV-3	492720	781951	11	A	443.5	781	RNC MEDIA INC.
QC	L'Anse-a-Valleau	CHAU-DT-9	490427	643212	12	D	181	75	CHAU-TV COMMUNICATIONS LTEE
QC	Matagami	CJDG-TV-4	494403	774044	9	A	346	364	RNC MEDIA INC.
QC	Montréal	CFTM-DT	453020	733530	10	D	326	11000	GROUPE TVA INC.
QC	Montréal	CFCF-DT	453020	733530	12	D	327	10600	BELL MEDIA INC.
QC	Montréal	CKMI-DT-1	453020	733530	15	D	327	8000	SHAW TELEVISION LIMITED PARTNERSHIP
QC	Montréal	CBFT-DT	453020	733530	19	D	327	447820	CBC/ RADIO-CANADA

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
QC	Montréal	CBMT-DT	453020	733530	21	D	327	436340	CBC/ RADIO-CANADA
QC	Montréal	CIVM-DT	453334	733309	26	D	200	269000	SOCIETE TELE-QUEBEC
QC	Montréal	CFTU-DT	453011	733656	29	D	226.6	910	CANAL SAVOIR
QC	Montréal	CFJP-DT	453020	733530	35	D	327	17710	V INTERACTIONS INC.
QC	Montréal	CFHD-DT	453012	733547	47	D	224	5500	4517466 CANADA INC.
QC	Montréal	CJNT-DT	453018	733528	49	D	246	4000	ROGERS BROADCASTING LIMITED
QC	Percé	CHAU-DT-5	483136	641437	11	D	427.9	10375	CHAU-TV COMMUNICATIONS LTEE
QC	Percé	CIVK-DT-2	483138	641437	40	D	445	600	SOCIETE TELE-QUEBEC
QC	Québec	CIVQ-DT	464827	711300	15	D	262.5	194000	SOCIETE TELE-QUEBEC
QC	Québec	CFCM-DT	464704	711552	17	D	181.5	210000	GROUPE TVA INC.
QC	Québec	CKMI-DT	464922	712943	20	D	573	18000	SHAW TELEVISION LIMITED PARTNERSHIP
QC	Québec	CBVT-DT	464922	712943	25	D	642.4	291000	CBC/ RADIO-CANADA
QC	Québec	CFAP-DT	464827	711300	39	D	245	20100	V INTERACTIONS INC.
QC	Rimouski	CJPC-DT	482538	682914	18	D	230	360	TELEVISION MBS INC.
QC	Rimouski	CIVB-DT	482802	681239	22	D	648.9	136000	SOCIETE TELE-QUEBEC
QC	Rimouski	CJBR-DT	481941	685006	45	D	370.9	167540	CBC/ RADIO-CANADA
QC	Rivière-au-Renard	CHAU-DT-7	485951	642553	4	D	361.2	990	CHAU-TV COMMUNICATIONS LTEE
QC	Rivière-du-Loup	CKRT-DT	473437	692258	7	D	712	7000	CKRT-TV LTEE
QC	Rivière-du-Loup	CIMT-DT	473438	692256	9	D	722.3	27500	TELE INTER-RIVES LTEE
QC	Rivière-du-Loup	CFTF-DT	473438	692256	29	D	701.2	44000	TELEVISION MBS INC.
QC	Roberval	CJPM-TV-1	482320	720520	10	A	402.3	23500	GROUPE TVA INC.
QC	Rouyn-Noranda	CIVA-DT-1	481551	790239	8	D	532.5	19000	TELE-QUEBEC
QC	Rouyn-Noranda	CKRN-DT	481551	790239	9	D	532.5	19000	RNC MEDIA INC.

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
QC	Rouyn-Noranda	CFEM-DT	481551	790239	13	D	532.5	22000	RNC MEDIA INC.
QC	Rouyn-Noranda	CFVS-DT-1	481551	790239	20	D	477.5	32000	RNC MEDIA INC.
QC	Saguenay	CIVV-DT	483604	704944	8	D	1071.4	84900	SOCIETE TELE-QUEBEC
QC	Saguenay	CKTV-DT	483604	704944	12	D	1076.4	7100	CBC/ RADIO-CANADA
QC	Saguenay	CFRS-DT	483604	704944	13	D	1071.4	4344	V INTERACTIONS INC.
QC	Sept-Iles	CFER-TV-2	501019	664417	5	A	419.6	100000	GROUPE TVA INC.
QC	Sept-Iles	CFTF-DT-7	501019	664415	7	D	366.5	743	TELEVISION MBS INC.
QC	Sept-Iles	CIVG-DT	501018	664416	9	D	358.1	19000	SOCIETE TELE-QUEBEC
QC	Sherbrooke	CHLT-DT	451843	721430	7	D	881	4000	GROUPE TVA INC.
QC	Sherbrooke	CKSH-DT	451843	721430	9	D	877.2	36280	CBC/ RADIO-CANADA
QC	Sherbrooke	CKMI-DT-2	451843	721430	11	D	902.9	1000	SHAW TELEVISION LIMITED PARTNERSHIP
QC	Sherbrooke	CIVS-DT	451843	721430	24	D	881.6	60000	SOCIETE TELE-QUEBEC
QC	Sherbrooke	CFKS-DT	451843	721430	30	D	881.6	4630	V INTERACTIONS INC.
QC	Ste-Marguerite-Marie	CHAU-DT-1	481841	670503	3	D	554.7	1567	CHAU-TV COMMUNICATIONS LTEE
QC	Trois-Rivières	CHEM-DT	463007	723809	8	D	385.7	11500	GROUPE TVA INC.
QC	Trois-Rivières	CKTM-DT	463007	723810	28	D	407	48402	CBC/ RADIO-CANADA
QC	Trois-Rivières	CFKM-DT	462927	723858	34	D	486.3	9000	V INTERACTIONS INC.
QC	Trois-Rivières	CIVC-DT	462927	723858	45	D	489.6	290000	SOCIETE DE TELEDIFFUSION DU QUEBEC
QC	Val D'Or	CJDG-DT	482517	775048	7	D	557.3	21500	RNC MEDIA INC.
QC	Val d'Or	CFEM-DT-1	482517	775048	10	D	557.3	22000	RNC MEDIA INC.
QC	Val d'Or	CIVA-DT	482517	775048	12	D	557.3	22000	TELE-QUEBEC
QC	Val d'Or	CFVS-DT	482517	775048	25	D	539.1	52000	RNC MEDIA INC.
SK	Alticane	CIPA-TV-1	531205	1073053	10	A	905.3	46900	BELL MEDIA INC.

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
SK	Big River	CIPA-TV-2	534940	1070146	7	A	578.2	205	BELL MEDIA INC.
SK	Carlyle Lake	CIEW-TV	494837	1024116	7	A	1065.5	170000	BELL MEDIA INC.
SK	Colgate	CKCK-TV-1	492616	1034755	12	A	752.2	84800	BELL MEDIA INC.
SK	Fort Qu'Appelle	CKCK-TV-7	504700	1034705	7	A	597.4	241	BELL MEDIA INC.
SK	Golden Prairie	CKMC-TV-1	501220	1093546	10	A	911.3	229000	BELL MEDIA INC.
SK	Hudson Bay	CICC-TV-3	525115	1022928	11	A	451.4	680	BELL MEDIA INC.
SK	Melfort	CKBQ-TV	525022	1041909	2	A	627.9	15500	BELL MEDIA INC.
SK	Moose Jaw	CKMJ-TV	503843	1054609	7	A	831.2	98000	BELL MEDIA INC.
SK	Nipawin	CKBQ-TV-1	532007	1040857	12	A	530.4	11600	BELL MEDIA INC.
SK	Norquay	CICC-TV-2	520300	1020320	7	A	628.2	69000	BELL MEDIA INC.
SK	North Battleford	CFQC-TV-2	524539	1083355	6	A	740.7	30300	BELL MEDIA INC.
SK	Prince Albert	CIPA-TV	530327	1055035	9	A	673.6	325000	BELL MEDIA INC.
SK	Regina	CKCK-DT	502659	1043005	8	D	779.9	23000	BELL MEDIA INC.
SK	Regina	CBKT-DT	502858	1043023	9	D	807.8	60000	CBC/ RADIO-CANADA
SK	Regina	CFRE-DT	503544	1050412	11	D	858.4	17400	SHAW TELEVISION LIMITED PARTNERSHIP
SK	Regina	CBKFT-DT	502858	1043023	13	D	784.3	27100	CBC/ RADIO-CANADA
SK	Saskatoon	CFQC-DT	521130	1062315	8	D	790.6	13000	BELL MEDIA INC.
SK	Saskatoon	CFSK-DT	521028	1062607	42	D	720.4	30000	SHAW TELEVISION LIMITED PARTNERSHIP
SK	Stranraer	CFQC-TV-1	514055	1083048	3	A	937.4	100000	BELL MEDIA INC.
SK	Swift Current	CKMC-TV	501831	1075238	12	A	938.5	100000	BELL MEDIA INC.
SK	Willow Bunch	CKCK-TV-2	492103	1053808	6	A	1062.6	52700	BELL MEDIA INC.
SK	Wynyard	CIWH-TV	514230	1041758	12	A	757.4	140000	BELL MEDIA INC.

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
SK	Yorkton	CICC-TV	511233	1024401	10	A	666	56000	BELL MEDIA INC.

**Table 2 - Applications for Broadcast Certificates for regular power TV stations under consideration as of October 24, 2014 (The fields below are intentionally left blank.)**

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
AB	Calgary								
AB	Edmonton								
BC	Brackendale								
BC	Grand Forks								
BC	Pritchard								
BC	Quesnel								
BC	Revelstoke								
BC	Santa Rosa								
BC	Whistler								
BC	Williams Lake								
QC	Rimouski								

**Table 3 - Canadian low power TV stations operating as of October 24, 2014**

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
AB	Banff	CFCN-TV-2	511153	1153647	7	A	2139.7	70	BELL MEDIA INC.
AB	Banff	CICT-TV-2	511153	1153647	13	A	2142.7	10	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Brooks	CISA-TV-2	503203	1115500	3	A	827.5	14	SHAW TELEVISION LIMITED PARTNERSHIP

AB	Brooks	CFCN-TV-3	503203	1115500	9	A	807.7	60	BELL MEDIA INC.
AB	Canmore	CFCN-TV-14	510750	1152310	45	A	1415.6	780	BELL MEDIA INC.
AB	Cardston	CFSO-TV	491040	1131940	32	A	1191.0	89	LOGAN MCCARTHY, OPERATING AS BRIGHT IDEAS DESIGN
AB	Chateh	CH4301	584206	1184114	11	A	356.4	4	DENE THA' COMMUNICATION SOCIETY
AB	Chateh	CKCA-TV	584206	1184114	13	A	356.4	4	DENE THA' COMMUNICATION SOCIETY
AB	Coleman	CFCN-TV-18	493642	1142452	8	A	1714.5	38	BELL MEDIA INC.
AB	Coleman	CISA-TV-3	493439	1143006	12	A	2022.3	40	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Drumheller	CICT-TV-1	512701	1124410	8	A	826.0	66	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Drumheller	CFCN-TV-6	512530	1124234	10	A	878.0	28	BELL MEDIA INC.
AB	Jasper	CFRN-TV-11	525242	1180427	11	A	1083.4	44	BELL MEDIA INC.
AB	Pigeon Mountain	CFCN-TV-13	510204	1151234	40	A	2206.1	270	BELL MEDIA INC.
AB	Pincher Creek	CISA-TV-5	492848	1135801	9	A	1207.0	8	SHAW TELEVISION LIMITED PARTNERSHIP
AB	Waterton Park	CFCN-TV-17	490331	1135442	6	A	1367.1	52	BELL MEDIA INC.
AB	Waterton Park	CISA-TV-4	490332	1135423	12	A	1366.6	59	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Abbotsford	CFEG-TV	490307	1222029	19	A	73.0	50	CLEARBROOK MENNONITE BRETHREN CHURCH
BC	Alexis Creek	CIAC-TV	515009	1230310	11	A	1356.1	10	THE ALEXIS CREEK COMMUNITY CLUB
BC	Allison Creek	CH4292	492925	1202444	8	A	1375.0	4	TWIN VALLEYS TV ASSOCIATION
BC	Allison Creek	CH4293	492925	1202444	12	A	1375.0	4	TWIN VALLEYS TV



									ASSOCIATION
BC	Anahim Lake	CIAL-TV-1	522059	1251915	5	A	1386.8	7	ANAHIM LAKE COMMUNITY ASSOCIATION
BC	Apex Mountain	CHNJ-TV-1	492138	1195439	11	A	2232.6	10	THE TULCOAL UNITY CLUB
BC	Apex Mountain	CHBC-TV-9	492134	1195434	13	A	2251.0	12	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Ashcroft	CHAC-TV-2	504430	1211635	2	A	438.9	63	ASH CREEK TELEVISION SOCIETY
BC	Ashcroft	CH4472	504430	1211635	4	A	442.0	74	ASH CREEK TELEVISION SOCIETY
BC	Ashcroft	CJAC-TV-2	504430	1211635	5	A	438.9	60	ASH CREEK TELEVISION SOCIETY
BC	Ashcroft	CH4327	504430	1211635	38	A	447.0	107	ASH CREEK TELEVISION SOCIETY
BC	Avola	CH4588	514658	1191922	2	A	604.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Avola	CH4589	514658	1191922	4	A	604.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Avola	CH2556	514658	1191922	7	A	604.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Avola	CH4329	514658	1191922	9	A	604.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Avola	CH2557	514658	1191922	11	A	604.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Avola	CH2685	514658	1191922	13	A	604.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Bald Mountain	CH4427	512605	1240109	2	A	1346.0	6	NEMAJAH VALLEY RECREATION COMMISSION
BC	Barriere	CFDQ-TV	511410	1200310	8	A	1289.3	59	THOMPSON-NICOLA REGIONAL DISTRICT
BC	Barriere	CH4413	511410	1200310	9	A	1295.0	80	THOMPSON-NICOLA

									REGIONAL DISTRICT
BC	Barriere	CIQR-TV	511410	1200310	11	A	1287.8	59	THOMPSON-NICOLA REGIONAL DISTRICT
BC	Becher Bay	CH4388	482051	1233553	17	A	130.0	60	ALTER-NATIVE OPTIONS SOCIETY
BC	Blackpool	CH5665	513459	1200842	5	A	682.0	50	THOMPSON VALLEY TELEVISION SOCIETY
BC	Blackpool	CH5666	513459	1200842	6	A	682.0	50	THOMPSON VALLEY TELEVISION SOCIETY
BC	Blackpool	CH5667	513459	1200842	13	A	682.0	50	THOMPSON VALLEY TELEVISION SOCIETY
BC	Blaeberry	CHCE-TV-1	512333	1170030	2	A	973.2	7	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Blaeberry	CHCE-TV-2	512333	1170030	4	A	973.2	7	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Blaeberry	CHCE-TV-3	512333	1170030	5	A	973.2	7	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Blue River	CH4556	520635	1191829	4	A	696.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Blue River	CH2558	520635	1191829	9	A	696.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Blue River	CH4318	520635	1191829	11	A	696.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Blue River	CH4557	520635	1191829	12	A	696.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Blue River	CH2531	520635	1191829	13	A	696.0	4	NORTH THOMPSON YELLOWHEAD T.V. ASSOCIATION
BC	Bralorne	CH4297	504703	1224933	2	A	1093.0	5	THE BRALORNE T.V.

									SOCIETY
BC	Bralorne	CH4298	504703	1224933	5	A	1091.0	5	THE BRALORNE T.V. SOCIETY
BC	Bralorne	CH4299	504703	1224933	8	A	1091.0	5	THE BRALORNE T.V. SOCIETY
BC	Bralorne	CH4314	504703	1224933	10	A	1089.0	5	THE BRALORNE T.V. SOCIETY
BC	Bralorne	CH4300	504703	1224933	13	A	1089.0	5	THE BRALORNE T.V. SOCIETY
BC	Brisco	CIBR-TV	505030	1161934	11	A	862.5	15	BRISCO RECREATION COMMISSION
BC	Bullhead Mountain	CJDC-TV-2	560241	1220759	8	A	1118.5	62	ASTRAL MEDIA RADIO G.P.
BC	Burns Lake	CH4376	541522	1254043	21	A	1236.0	4	BURNS LAKE & DISTRICT REBROADCASTING SOCIETY
BC	Cache Creek	CH4473	504820	1211905	8	A	635.0	49	ASH CREEK TELEVISION SOCIETY
BC	Cache Creek	CJAC-TV-1	504820	1211905	10	A	621.8	30	ASH CREEK TELEVISION SOCIETY
BC	Cache Creek	CHAC-TV-1	504820	1211905	12	A	621.8	20	ASH CREEK TELEVISION SOCIETY
BC	Cache Creek	CH4328	504820	1211905	24	A	655.0	40	ASH CREEK TELEVISION SOCIETY
BC	Campbell Road	CHCX-TV	511142	1165143	22	A	990.8	28	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Campbell Road	CHCY-TV	511142	1165143	25	A	990.8	28	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Campbell Road	CHCZ-TV	511142	1165143	28	A	990.8	28	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Canoe	CHBC-TV-8	504345	1191239	6	A	649.2	38	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Canyon	CH2055	511454	1165651	2	A	898.9	4	COLUMBIA ELECTORAL

	Creek								AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Canyon Creek	CH2059	511454	1165651	4	A	898.9	4	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Canyon Creek	CH2060	511454	1165651	5	A	898.9	4	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Cardiff Mountain	CH4430	512929	1234631	2	A	1446.0	6	NEMAIAH VALLEY RECREATION COMMISSION
BC	Castlegar	CKTN- TV-1	491850	1173734	5	A	685.8	30	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Chase	CFJC-TV- 8	505400	1193839	11	A	1063.7	29	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Chase	CHSH- TV-2	505407	1193824	13	A	1053.0	18	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Cherryville	CH4347	501510	1183530	8	A	914.0	81	CHERRYVILLE COMMUNITY CLUB
BC	Cherryville	CJWR- TV-1	501510	1183530	10	A	914.4	60	CHERRYVILLE COMMUNITY CLUB
BC	Cherryville	CJCC-TV	501510	1183530	13	A	914.4	60	CHERRYVILLE COMMUNITY CLUB
BC	Chetwynd	CH2383	554007	1213457	2	A	1021.2	17	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CH2385	554007	1213457	4	A	1021.2	17	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CH2384	554007	1213457	12	A	1021.2	17	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CH4149	554007	1213457	39	A	1026.1	250	CHETWYND COMMUNICATIONS SOCIETY

BC	Chetwynd	CH4147	554007	1213457	43	A	1026.1	250	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CH4146	554007	1213457	46	A	1026.1	250	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CH4334	554007	1213457	49	A	1026.1	250	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CH4148	554007	1213457	52	A	1026.1	250	CHETWYND COMMUNICATIONS SOCIETY
BC	Chetwynd	CHET-TV	554007	1213457	55	A	1026.1	250	CHETWYND COMMUNICATIONS SOCIETY
BC	Clearwater	CHCW-TV-1	513655	1200228	2	A	1152.0	68	THOMPSON VALLEY TELEVISION SOCIETY
BC	Clearwater	CH5663	513655	1200228	8	A	1152.0	12	THOMPSON VALLEY TELEVISION SOCIETY
BC	Clearwater	CHCW-TV-2	513655	1200228	10	A	1152.0	78	THOMPSON VALLEY TELEVISION SOCIETY
BC	Clinton	CH2040	510533	1213504	7	A	900.0	5	CLINTON AND DISTRICT TV SOCIETY
BC	Clinton	CH2041	510533	1213504	11	A	900.0	23	CLINTON AND DISTRICT TV SOCIETY
BC	Clinton	CHTS-TV-1	510530	1213950	13	A	1932.4	80	CLINTON AND DISTRICT TV SOCIETY
BC	Coalmont	CFCU-TV	493106	1204414	5	A	1283.0	1	THE TULCOAL UNITY CLUB
BC	Coalmont	CFTB-TV	493106	1204414	8	A	1283.0	2	THE TULCOAL UNITY CLUB
BC	Coalmont	CH4416	493106	1204414	10	A	1283.0	6	THE TULCOAL UNITY CLUB
BC	Coldwater I R #1	CH4315	500147	1205118	7	A	762.0	22	COLDWATER DEVELOPMENT INC.
BC	Coldwater I R #1	CH4277	500147	1205118	9	A	762.0	22	COLDWATER DEVELOPMENT INC.
BC	Coldwater I R #1	CH4278	500147	1205118	13	A	762.0	22	COLDWATER DEVELOPMENT INC.
BC	Cortes Island	CH4373	500552	1245741	4	A	229.5	16	SOUTHERN CORTES COMMUNITY ASSOCIATION

BC	Crescent Valley	CH5643	492916	1173236	39	A	1571.7	227	SLOCAN VALLEY TV SOCIETY
BC	Crescent Valley	CH5644	492916	1173236	43	A	1571.7	227	SLOCAN VALLEY TV SOCIETY
BC	Crescent Valley	CH5645	492916	1173236	47	A	1571.7	227	SLOCAN VALLEY TV SOCIETY
BC	Crescent Valley	CH5646	492916	1173236	51	A	1571.7	227	SLOCAN VALLEY TV SOCIETY
BC	Creston	CKTN-TV-4	490525	1162249	12	A	2150.4	50	SHAW TELEVISION LIMITED PARTNERSHIP
BC	D'Arcy	CH4575	503245	1222805	3	A	374.5	26	ANDERSON LAKE RECREATIONAL & CULTURAL SOCIETY
BC	D'Arcy	CH4576	503245	1222805	5	A	371.0	26	ANDERSON LAKE RECREATIONAL & CULTURAL SOCIETY
BC	Dawson Creek	CFSN-TV	554340	1202640	8	A	978.4	80	DAWSON CREEK HYPERVISTA COMMUNICATIONS ASSOCIATION
BC	Dawson Creek	CH2061	554452	1200235	20	A	883.6	1056	CHERRY POINT COMMUNITY PROMOTION ASSOCIATION
BC	Donald Station	CH4445	512941	1171024	8	A	823.3	33	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Donald Station	CH4446	512941	1171024	10	A	823.3	33	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Donald Station	CH4447	512941	1171024	12	A	823.3	33	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Donald Station	CH4448	512941	1171024	19	A	823.3	33	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY

BC	Endako	CH2030	540218	1250633	3	A	1091.0	245	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Endako	CH4303	540218	1250633	29	A	1086.4	355	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Endako	CH4304	540218	1250633	31	A	1089.0	355	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Endako	CH4337	540218	1250633	33	A	1091.0	275	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Endako	CH2031	540218	1250633	39	A	1101.0	316	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Endako	CH2032	540218	1250633	44	A	1101.0	316	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Enderby	CFEN-TV-1	503345	1190614	4	A	594.3	14	ENDERBY TELEVISION SYNDICATE
BC	Enderby	CFEN-TV-2	503345	1190614	11	A	594.3	53	ENDERBY TELEVISION SYNDICATE
BC	Enderby	CH4412	503404	1190551	47	A	930.0	188	ENDERBY TELEVISION SYNDICATE
BC	Fernie	CFCN-TV-10	493025	1150403	3	A	1024.1	23	BELL MEDIA INC.
BC	Fort Babine	CH4117	551905	1263726	6	A	751.7	1	FORT BABINE EDUCATION SOCIETY
BC	Fort Babine	CH4118	551905	1263726	7	A	753.1	1	FORT BABINE EDUCATION SOCIETY
BC	Fort Babine	CH4119	551905	1263726	9	A	754.0	1	FORT BABINE EDUCATION SOCIETY
BC	Fort Babine	CH4120	551905	1263726	11	A	755.4	1	FORT BABINE EDUCATION SOCIETY

BC	Fort Fraser	CH4433	540159	1243746	19	A	1156.0	251	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Fort Fraser	CH2024	540159	1243746	23	A	1148.0	316	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Fort Fraser	CH2025	540159	1243746	49	A	1148.0	316	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Fort St James	CH3034	542506	1241754	3	A	719.0	89	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3035	542605	1243248	4	A	1279.6	2	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3036	542605	1243248	5	A	1279.6	2	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3037	542605	1243248	6	A	1279.6	2	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH2926	542605	1243248	8	A	1277.8	7	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3038	542605	1243248	9	A	1277.8	7	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3039	542605	1243248	10	A	1277.8	7	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3040	542605	1243248	11	A	1277.8	7	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH2927	542605	1243248	12	A	1277.8	7	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH3041	542605	1243248	13	A	1277.8	7	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6455	542635	1241333	46	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6495	542635	1241333	48	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6456	542635	1241333	50	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St	CH6496	542635	1241333	52	A	929.6	87	FORT ST JAMES



	James								TELEVISION SOCIETY
BC	Fort St James	CH6457	542635	1241333	54	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6497	542635	1241333	56	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6498	542635	1241333	58	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6458	542635	1241333	60	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6459	542635	1241333	62	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6499	542635	1241333	64	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6460	542635	1241333	66	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fort St James	CH6461	542635	1241333	68	A	929.6	87	FORT ST JAMES TELEVISION SOCIETY
BC	Fraser Lake	CH2308	540159	1243746	15	A	1158.0	232	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Fraser Lake	CH2309	540159	1243746	17	A	1160.0	232	FRASER LAKE AND DISTRICT REBROADCASTING SOCIETY
BC	Grand Forks	CH4364	490216	1182641	25	A	665.0	96	BOUNDARY EDUCATIONAL BROADCASTING (1992) SOCIETY
BC	Granisle	CH4469	545303	1261255	2	A	817.0	2	GRANISLE T.V. SOCIETY
BC	Granisle	CH4470	545303	1261255	3	A	817.0	2	GRANISLE T.V. SOCIETY
BC	Granisle	CH2793	545303	1261255	4	A	817.0	2	GRANISLE T.V. SOCIETY
BC	Granisle	CH4471	545303	1261255	5	A	817.0	2	GRANISLE T.V. SOCIETY
BC	Granisle	CH2794	545303	1261255	6	A	817.0	2	GRANISLE T.V. SOCIETY
BC	Granisle	CH4088	545303	1261255	7	A	817.0	4	GRANISLE T.V. SOCIETY
BC	Granisle	CH2795	545303	1261255	8	A	817.0	4	GRANISLE T.V. SOCIETY
BC	Granisle	CH2796	545303	1261255	9	A	817.0	14	GRANISLE T.V. SOCIETY
BC	Granisle	CH2797	545303	1261255	10	A	817.0	4	GRANISLE T.V. SOCIETY
BC	Granisle	CH2798	545303	1261255	11	A	817.0	26	GRANISLE T.V. SOCIETY

BC	Granisle	CH2799	545303	1261255	12	A	817.0	3	GRANISLE T.V. SOCIETY
BC	Granisle	CH2800	545303	1261255	13	A	817.0	3	GRANISLE T.V. SOCIETY
BC	Green Lake	CH2042	512246	1211435	7	A	1235.0	77	CLINTON AND DISTRICT TV SOCIETY
BC	Green Lake	CH2043	512246	1211435	12	A	1235.0	77	CLINTON AND DISTRICT TV SOCIETY
BC	Hagensborg	CH4577	522415	1262825	8	A	153.6	82	HAGENSBORG T.V. SOCIETY
BC	Hagensborg	CH4578	522415	1262825	9	A	153.6	82	HAGENSBORG T.V. SOCIETY
BC	Hagensborg	CH4579	522415	1262825	10	A	153.6	82	HAGENSBORG T.V. SOCIETY
BC	Hagensborg	CH4580	522415	1262825	12	A	153.6	82	HAGENSBORG T.V. SOCIETY
BC	Hagensborg	CH5330	522415	1262825	13	A	153.6	82	HAGENSBORG T.V. SOCIETY
BC	Hasler Flats	CH2524	553536	1215837	15	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH2522	553536	1215837	17	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH2523	553536	1215837	19	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH4236	553536	1215837	21	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH4237	553536	1215837	23	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH4238	553536	1215837	25	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH4477	553536	1215837	27	A	656.2	78	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CH4239	553536	1215837	29	A	656.2	78	CHETWYND COMMUNICATIONS

									SOCIETY
BC	Hasler Flats	CH2065	553536	1215837	31	A	656.2	47	CHETWYND COMMUNICATIONS SOCIETY
BC	Hasler Flats	CHET-TV-1	553536	1215837	33	A	656.2	51	CHETWYND COMMUNICATIONS SOCIETY
BC	Hazelton	CH2014	551211	1274148	4	A	478.0	44	SKEENA TV ASSOCIATION
BC	Hazelton	CH4397	551211	1274148	12	A	478.0	44	SKEENA TV ASSOCIATION
BC	Hixon	CH4405	532437	1223417	6	A	601.0	9	HIXON COMMUNITY ASSOCIATION
BC	Hixon	CKPG-TV-1	532843	1223805	10	A	858.6	365	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Houston	CH4443	542632	1263936	18	A	1249.0	220	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Hudson Hope	CJDC-TV-1	560142	1215638	11	A	701.1	63	ASTRAL MEDIA RADIO G.P.
BC	Invermere	CFWL-TV-1	502917	1155710	8	A	1094.5	92	BELL MEDIA INC.
BC	Keremeos/Olalla	CHKC-TV-2	491335	1194819	6	A	868.6	36	KEREMEOS-CAWSTON-OLALLA TELEVISION SOCIETY
BC	Keremeos/Olalla	CHKC-TV-1	491114	1194139	9	A	1239.0	18	KEREMEOS-CAWSTON-OLALLA TELEVISION SOCIETY
BC	Keremeos/Olalla	CHKC-TV-5	491335	1194819	11	A	868.6	38	KEREMEOS-CAWSTON-OLALLA TELEVISION SOCIETY
BC	Keremeos/Olalla	CH4568	491114	1194139	22	A	1146.0	85	KEREMEOS-CAWSTON-OLALLA TELEVISION SOCIETY
BC	Keremeos/Olalla	CH4319	491341	1194819	26	A	891.0	92	KEREMEOS-CAWSTON-OLALLA TELEVISION SOCIETY
BC	Kildonan	CH4426	490114	1250220	2	A	55.0	9	UCHUKLESAHT ENTERPRISES LTD.
BC	Lillooet/Riley	CH5568	503653	1215247	2	A	858.0	19	LILLOOET-CAMELSFOOT

	Creek								T.V. ASSOCIATION
BC	Lillooet/Riley Creek	CFDF-TV-2	503653	1215247	13	A	858.0	18	LILLOOET-CAMELSFOOT T.V. ASSOCIATION
BC	Lillooet/Riley Creek	CH5525	503653	1215247	22	A	857.5	131	LILLOOET-CAMELSFOOT T.V. ASSOCIATION
BC	Lillooet/Riley Creek	CH4311	503653	1215247	39	A	858.4	130	LILLOOET-CAMELSFOOT T.V. ASSOCIATION
BC	Lillooet/Riley Creek	CH5526	503653	1215247	41	A	859.4	164	LILLOOET-CAMELSFOOT T.V. ASSOCIATION
BC	Lillooet/Riley Creek	CH5527	503653	1215247	43	A	859.4	164	LILLOOET-CAMELSFOOT T.V. ASSOCIATION
BC	Little Fort	CFIB-TV	511620	1200750	7	A	1143.0	15	THOMPSON-NICOLA REGIONAL DISTRICT
BC	Little Fort	CKIB-TV	511620	1200750	12	A	1143.0	15	THOMPSON-NICOLA REGIONAL DISTRICT
BC	Little Fort	CH4370	511620	1200750	13	A	1143.0	68	THOMPSON-NICOLA REGIONAL DISTRICT
BC	Logan Lake	CH3082	503004	1204851	5	A	1183.0	42	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2512	503004	1204851	7	A	1189.0	18	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2513	503004	1204851	9	A	1189.0	18	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2514	503004	1204851	11	A	1189.0	18	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2515	503004	1204851	13	A	1189.0	18	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2516	503004	1204851	14	A	1198.0	240	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5530-DT	503001	1204847	16	D	1203.0	228	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2518	503004	1204851	18	A	1198.0	240	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5531-DT	503001	1204847	20	D	1203.0	228	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5532-DT	503001	1204847	24	D	1203.0	228	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2519	503004	1204851	26	A	1198.0	240	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5533-DT	503001	1204847	28	D	1203.0	228	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2520	503004	1204851	30	A	1198.0	240	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5534-DT	503001	1204847	32	D	1203.0	227	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH3083-DT	503001	1204847	34	D	1198.0	227	LOGAN LAKE TV SOCIETY

BC	Logan Lake	CH5535-DT	503001	1204847	36	D	1203.0	227	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH3084-DT	503001	1204847	38	D	1198.0	227	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5536-DT	503001	1204847	40	D	1203.0	227	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH4697-DT	503001	1204847	42	D	1198.0	227	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH2517-DT	503001	1204847	46	D	1198.0	227	LOGAN LAKE TV SOCIETY
BC	Logan Lake	CH5537-DT	503001	1204847	48	D	1203.0	227	LOGAN LAKE TV SOCIETY
BC	Lytton	CILY-TV-2	502035	1213530	8	A	1994.9	126	LYTTON AREA WIRELESS SOCIETY
BC	Lytton	CH4321	501440	1213455	10	A	259.0	18	LYTTON AREA WIRELESS SOCIETY
BC	Lytton	CHWS-TV-2	502035	1213530	11	A	1994.9	126	LYTTON AREA WIRELESS SOCIETY
BC	Mackenzie	CKPG-TV-4	550152	1225344	6	A	1296.9	90	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Malakwa	CFFI-TV-1	505422	1185103	4	A	1048.5	60	MALAKWA COMMUNITY CENTRE ASSOCIATION
BC	Malakwa	CFFI-TV-2	505422	1185103	11	A	960.2	4	MALAKWA COMMUNITY CENTRE ASSOCIATION
BC	Malakwa	CH4468	505422	1185103	13	A	960.2	4	MALAKWA COMMUNITY CENTRE ASSOCIATION
BC	McBride	CH4164	531655	1201403	2	A	1340.0	50	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH2013	531655	1201403	4	A	1235.0	272	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH2537	531655	1201403	7	A	1340.0	50	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH4710	531655	1201403	9	A	1350.0	57	ROBSON VALLEY ENTERTAINMENT ASSOCIATION

BC	McBride	CH4711	531655	1201403	11	A	1350.0	57	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH4165	531655	1201403	13	A	1340.0	50	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH5412	531655	1201403	17	A	1366.0	553	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH5796	531655	1201403	19	A	1366.0	553	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH5798	531655	1201403	21	A	1366.0	553	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McBride	CH5797	531655	1201403	23	A	1366.0	553	ROBSON VALLEY ENTERTAINMENT ASSOCIATION
BC	McClure	CH4336	510525	1201349	2	A	848.0	66	THOMPSON-NICOLA REGIONAL DISTRICT
BC	McClure	CHMQ-TV	510525	1201349	3	A	833.0	72	THOMPSON-NICOLA REGIONAL DISTRICT
BC	McClure	CHLP-TV	510525	1201349	5	A	833.0	72	THOMPSON-NICOLA REGIONAL DISTRICT
BC	Merritt	CFJC-TV-3	500310	1204527	8	A	1710.3	40	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Miocene	CH4378	521812	1215026	7	A	1325.0	105	MIOCENE COMMUNITY CLUB
BC	Moberly Lake	CH4558	554853	1214445	8	A	754.1	16	PEACE RIVER REGIONAL DISTRICT
BC	Moberly Lake	CH4494	554853	1214445	10	A	757.0	16	PEACE RIVER REGIONAL DISTRICT
BC	Mount Goldie	CFCN-TV-15	502535	1160626	6	A	2318.0	10	BELL MEDIA INC.
BC	Moyie	CH4417	491715	1154954	3	A	952.0	80	MOYIE COMMUNITY CLUB
BC	Moyie	CFCN-TV-12	492445	1155019	8	A	1379.0	71	BELL MEDIA INC.
BC	Murray Ridge	CH5799	543148	1241107	16	A	1415.0	38	FORT ST JAMES

									TELEVISION SOCIETY
BC	Murray Ridge	CH5800	543148	1241107	22	A	1415.0	38	FORT ST JAMES TELEVISION SOCIETY
BC	Murray Ridge	CH5801	543148	1241107	26	A	1416.0	38	FORT ST JAMES TELEVISION SOCIETY
BC	Nemaiah Valley	CH4404	512749	1235657	8	A	1249.0	50	NEMAIAH VALLEY RECREATION COMMISSION
BC	New Denver	CH5668(1)	495917	1172243	3	A	562.0	50	AREA "H" NORTH TV SOCIETY
BC	New Denver	CH5669(1)	495917	1172243	6	A	565.0	97	AREA "H" NORTH TV SOCIETY
BC	New Denver	CH2066	495917	1172243	7	A	560.0	43	AREA "H" NORTH TV SOCIETY
BC	New Denver	CH4418(1)	495917	1172243	8	A	562.0	104	AREA "H" NORTH TV SOCIETY
BC	New Denver	CH5670(1)	495917	1172243	10	A	560.0	114	AREA "H" NORTH TV SOCIETY
BC	New Denver	CH5671(1)	495917	1172243	11	A	560.0	114	AREA "H" NORTH TV SOCIETY
BC	New Denver	CH5672(1)	495917	1172243	13	A	558.0	114	AREA "H" NORTH TV SOCIETY
BC	Nicola	CFJC-TV-12	501140	1205820	10	A	1725.2	30	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Nitinaht Lake	CH4243	484837	1244011	3	A	25.2	1	NITINAHT COMMUNITY SOCIETY
BC	Nitinaht Lake	CH4244	484837	1244011	5	A	25.2	1	NITINAHT COMMUNITY SOCIETY
BC	Nitinaht Lake	CH4715	484837	1244011	7	A	25.2	1	NITINAHT COMMUNITY SOCIETY
BC	North Pine	CH4380	562212	1204929	46	A	825.0	602	PEACE RIVER REGIONAL DISTRICT
BC	North Pine	CH3033	562212	1204929	50	A	825.0	602	PEACE RIVER REGIONAL DISTRICT
BC	Parson	CH2738	510234	1163754	6	A	969.0	40	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY

BC	Parson	CH2737	510234	1163754	7	A	969.0	28	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Parson	CH2022	510234	1163754	9	A	969.0	28	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Parson	CH2023	510234	1163754	11	A	969.0	28	COLUMBIA ELECTORAL AREA 'A' TELEVISION REBROADCASTING SOCIETY
BC	Passmore	CH5650	493302	1174124	2	A	650.6	25	SLOCAN VALLEY TV SOCIETY
BC	Passmore	CH5651	493302	1174124	4	A	650.6	25	SLOCAN VALLEY TV SOCIETY
BC	Passmore	CH5652	493302	1174124	5	A	650.6	25	SLOCAN VALLEY TV SOCIETY
BC	Passmore	CH4365	493302	1174124	7	A	650.6	30	SLOCAN VALLEY TV SOCIETY
BC	Passmore	CH2054	493302	1174124	10	A	650.6	30	SLOCAN VALLEY TV SOCIETY
BC	Passmore	CH5653	493302	1174124	20	A	649.3	30	SLOCAN VALLEY TV SOCIETY
BC	Pavilion Lake	CIPV-TV-1	505400	1214626	4	A	1024.0	3	PAVILION LAKE RESIDENT AND PROPERTY OWNERS ASSOCIATION
BC	Pavilion Lake	CIPV-TV-2	505400	1214626	11	A	1023.1	3	PAVILION LAKE RESIDENT AND PROPERTY OWNERS ASSOCIATION
BC	Pavillon Lake	CIPV-TV	505400	1214626	12	A	1027.0	2	PAVILION LAKE RESIDENT AND PROPERTY OWNERS ASSOCIATION
BC	Peachland	CHPT-TV-1	494218	1194455	4	A	502.9	45	PEACHLAND COMMUNICATIONS SOCIETY
BC	Peachland	CIPL-TV	494218	1194455	9	A	472.4	69	PEACHLAND COMMUNICATIONS SOCIETY



BC	Peachland	CH4322	494218	1194455	29	A	425.0	595	PEACHLAND COMMUNICATIONS SOCIETY
BC	Pemberton	CH2128	501849	1224944	2	A	1018.2	38	PEMBERTON TV SOCIETY
BC	Pemberton	CH4552	501849	1224944	6	A	1018.2	38	PEMBERTON TV SOCIETY
BC	Pemberton	CH4553	501849	1224944	8	A	1019.7	57	PEMBERTON TV SOCIETY
BC	Pemberton	CH2129	501849	1224944	10	A	1019.7	57	PEMBERTON TV SOCIETY
BC	Pemberton	CH2130	501849	1224944	13	A	1019.7	57	PEMBERTON TV SOCIETY
BC	Pemberton	CH4554	501918	1224743	14	A	1025.8	13	PEMBERTON TV SOCIETY
BC	Pemberton	CH4555	501918	1224743	17	A	1025.8	13	PEMBERTON TV SOCIETY
BC	Pemberton	CH2125	501918	1224743	25	A	1025.8	13	PEMBERTON TV SOCIETY
BC	Pemberton	CH2126	501918	1224743	28	A	1025.8	13	PEMBERTON TV SOCIETY
BC	Pemberton	CH2127	501918	1224743	30	A	1025.8	13	PEMBERTON TV SOCIETY
BC	Penticton	CHBC-TV-7	493130	1193819	7	A	1030.0	40	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Pritchard	CFJC-TV-19	503855	1195018	2	A	628.0	63	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Quesnel	CFJC-TV-11	525300	1222010	7	A	1301.5	25	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Quesnel	CKPG-TV-5	525300	1222010	13	A	1297.0	180	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
BC	Redstone Flat	CH4306	520816	1235708	6	A	922.0	1	REDSTONE COMMUNICATIONS SOCIETY
BC	Revelstoke	CHRP-TV-2	505307	1181504	9	A	2632.8	153	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Rimrock	CKRR-TV-1	522555	1222555	9	A	910.2	38	ALEXANDRIA COMMUNITY HALL SOCIETY
BC	Rimrock	CKRR-TV-2	522555	1222555	11	A	910.2	38	ALEXANDRIA COMMUNITY HALL SOCIETY
BC	Savona	CFSC-TV-2	504545	1205205	8	A	396.2	55	THE SAVONA COMMUNITY ASSOCIATION
BC	Savona	CH4338	504545	1205205	11	A	406.0	61	THE SAVONA COMMUNITY ASSOCIATION
BC	Savona	CFSC-	504545	1205205	13	A	396.2	4	THE SAVONA COMMUNITY

		TV-1							ASSOCIATION
BC	Seton Portage	CH4419	504319	1221506	7	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Seton Portage	CH4420	504319	1221506	8	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Seton Portage	CH4421	504319	1221506	9	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Seton Portage	CH4422	504319	1221506	10	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Seton Portage	CH4423	504319	1221506	11	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Seton Portage	CH4424	504319	1221506	12	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Seton Portage	CH4425	504319	1221506	13	A	412.0	38	BRIDGE RIVER COMMUNITY RECREATIONAL SOCIETY
BC	Shakan Indian Reserv	CH4341	501731	1211039	7	A	619.0	1	PERCY JOE
BC	Shakan Indian Reserv	CH4348	501724	1211135	16	A	619.0	10	PERCY JOE
BC	Shakan Indian Reserv	CHIR-TV	501724	1211135	19	A	619.0	10	PERCY JOE
BC	Sicamous	CH4366	505014	1185900	8	A	367.0	86	EAGLE VALLEY ARTS COUNCIL
BC	Silver Creek	CH4367	503333	1192035	3	A	483.0	28	SILVER CREEK COMMUNITY ASSOCIATION
BC	Sinclair Mills	CH4432	540120	1214035	7	A	662.0	34	SINCLAIR MILLS COMMUNITY ASSN
BC	Slocan	CH5280	494600	1172714	3	A	777.2	5	SLOCAN VALLEY TV

									SOCIETY
BC	Slocan	CH5281	494600	1172714	6	A	777.2	5	SLOCAN VALLEY TV SOCIETY
BC	Slocan	CH4363	494600	1172714	7	A	777.2	5	SLOCAN VALLEY TV SOCIETY
BC	Slocan	CH5283	494600	1172714	10	A	777.2	5	SLOCAN VALLEY TV SOCIETY
BC	Smithers	CH4442	544427	1265856	31	A	1058.0	224	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Sparwood	CFCN-TV-11	494218	1145150	6	A	1776.9	50	BELL MEDIA INC.
BC	Spences Bridge	CJNA-TV-1	502620	1211650	3	A	926.6	7	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CJNA-TV-2	502532	1211851	7	A	286.0	13	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CH2330	502532	1211851	9	A	286.0	13	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CH4444	502532	1211851	11	A	286.0	13	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CH4474	502532	1211851	13	A	286.0	13	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CH4475	502532	1211851	15	A	284.0	77	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CH4476	502532	1211851	19	A	284.0	77	SPENCES BRIDGE COMMUNITY CLUB
BC	Spences Bridge	CH4480	502532	1211851	23	A	284.0	77	SPENCES BRIDGE COMMUNITY CLUB
BC	Summit Lake	CH4381	541703	1223851	9	A	753.0	9	THE TOWN OF SUMMIT LAKE
BC	Taghum	CKTN-TV-2	492940	1172719	23	A	975.4	112	SHAW TELEVISION LIMITED PARTNERSHIP
BC	Telkwa	CFHO-TV-2	544627	1271324	10	A	1172.0	38	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Telkwa	CH4441	544627	1271324	20	A	1172.0	237	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Topley	CH4355	543012	1261704	6	A	712.0	45	HOUSTON-SMITHERS

									REBROADCASTING SOCIETY
BC	Topley	CFTY-TV	543012	1261704	11	A	714.0	43	HOUSTON-SMITHERS REBROADCASTING SOCIETY
BC	Tulameen	CH4403	493239	1204526	2	A	776.0	10	THE TULCOAL UNITY CLUB
BC	Tumbler Ridge	CH2444	550757	1205851	9	A	921.6	11	PERSONA COMMUNICATIONS INC.
BC	Tumbler Ridge	CH2446	550757	1205851	13	A	921.6	11	PERSONA COMMUNICATIONS INC.
BC	Valemount	CH4330	525034	1191523	4	A	926.6	25	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CH2062	525034	1191523	6	A	928.0	37	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CHVC-TV-1	525034	1191523	7	A	926.0	272	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CH2649	525034	1191523	8	A	926.4	21	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CH4023	525034	1191523	9	A	926.4	21	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CH4331	525034	1191523	11	A	926.4	21	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CH4332	525034	1191523	13	A	926.4	21	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Valemount	CHVC-TV	524943	1191621	32	A	776.0	8	THE VALEMOUNT ENTERTAINMENT SOCIETY
BC	Vavenby	CH5662	513437	1194733	6	A	956.0	19	THOMPSON VALLEY TELEVISION SOCIETY
BC	Vavenby	CKVA-TV-1	513437	1194733	7	A	956.0	35	THOMPSON VALLEY TELEVISION SOCIETY
BC	Vavenby	CKVB-TV	513437	1194733	12	A	956.0	35	THOMPSON VALLEY TELEVISION SOCIETY
BC	Whistler	CHWM-TV-1	500719	1230127	18	A	1710.6	9	WHISTLERWEB.NET INTERNET SERVICE LTD.
BC	Whistler	CJWM-TV	500719	1230127	21	A	1710.6	3	WHISTLERWEB.NET INTERNET SERVICE LTD.
BC	Williams Lake	CFJC-TV-5	520655	1221115	8	A	937.2	50	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP

BC	Winfield	CH4490	500511	1192531	34	A	880.2	176	CENTRAL OKANAGAN REBROADCAST SOCIETY
BC	Winlaw	CH4369	493333	1173538	16	A	1871.6	222	SLOCAN VALLEY TV SOCIETY
BC	Winlaw	CH5647	493333	1173538	22	A	1871.6	222	SLOCAN VALLEY TV SOCIETY
BC	Winlaw	CH5648	493333	1173538	25	A	1871.6	222	SLOCAN VALLEY TV SOCIETY
BC	Winlaw	CH5649	493333	1173538	31	A	1871.6	222	SLOCAN VALLEY TV SOCIETY
MB	Mccreary	CKYB- TV-1	504022	993612	13	A	690.4	140	BELL MEDIA INC.
MB	Neepawa	CH5248	501347	992758	30	A	405.4	1380	NEEPAWA ACCESS COMMUNITY TV
MB	Snow Lake	CKYS-TV	545234	1000059	11	A	384.1	19	BELL MEDIA INC.
MB	Spruce Sands	CH3073	504722	965851	14	A	251.0	14	ARNES TV BROADCASTING LTD.
MB	Spruce Sands	CH3074	504722	965851	17	A	251.0	14	ARNES TV BROADCASTING LTD.
MB	Spruce Sands	CH3075	504722	965851	20	A	251.0	14	ARNES TV BROADCASTING LTD.
MB	Spruce Sands	CH3076	504722	965851	23	A	251.0	14	ARNES TV BROADCASTING LTD.
MB	Spruce Sands	CH3077	504722	965851	26	A	251.0	14	ARNES TV BROADCASTING LTD.
MB	Spruce Sands	CH3078	504722	965851	29	A	251.0	14	ARNES TV BROADCASTING LTD.
NB	Blackville	CKAM- TV-3	464450	655031	9	A	122.2	88	BELL MEDIA INC.
NB	Boiestown	CKLT-TV- 2	462712	662734	7	A	183.7	24	BELL MEDIA INC.
NB	Chatham	CKAM- TV-2	470022	653512	10	A	161.3	67	BELL MEDIA INC.
NB	Doaktown	CKAM- TV-4	463418	660750	10	A	159.4	22	BELL MEDIA INC.
NB	Edmundston	CFTF-DT- 1	472316	681901	42	D	379.0	88	TELEVISION MBS INC.
NB	Kedgwick	CHAU- DT-11	473816	672106	27	D	365.1	93	CHAU-TV COMMUNICATIONS LTEE

NB	Newcastle	CKAM-TV-1	470022	653512	10	A	161.3	150	BELL MEDIA INC.
NB	St. Andrews	CHCO-TV	450454	670334	26	A	41.5	407	ST. ANDREWS COMMUNITY TELEVISION
NB	St-Quentin	CHAU-DT-2	473047	671707	31	D	459.2	226	CHAU-TV COMMUNICATIONS LTEE
NB	Tracadie	CHAU-DT-10	473027	645624	9	D	75.0	25	CHAU-TV COMMUNICATIONS LTEE
NF	Cape Broyle	CHCB-TV-1	470516	525706	3	A	110.0	57	ANDREW O'BRIEN, TOWN CLERK
NS	Bay St Lawrence	CJCB-TV-5	465835	602734	7	A	332.8	5	BELL MEDIA INC.
NS	Bridgetown	CJCH-TV-4	445235	651823	13	A	285.0	58	BELL MEDIA INC.
NS	Cheticamp	CH5523	463624	610312	16	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH4095	463624	610312	18	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2448	463624	610312	20	A	66.2	186	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2193	463624	610312	22	A	66.2	186	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2191	463624	610312	24	A	66.2	186	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2190	463624	610312	26	A	66.2	186	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH5520	463624	610312	28	A	66.2	186	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2192	463624	610312	30	A	66.2	186	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH5521	463624	610312	32	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2000	463624	610312	34	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CHNE-TV	463624	610312	36	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2001	463624	610312	38	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH4438	463624	610312	40	A	66.0	182	ACADIAN

									COMMUNICATIONS LTD.
NS	Cheticamp	CH2002	463624	610312	42	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH4096	463624	610312	44	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH5522	463624	610312	46	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2881	463624	610312	48	A	66.2	184	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH5528	463624	610312	50	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2752	463624	610312	53	A	66.2	184	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH5529	463624	610312	55	A	66.0	182	ACADIAN COMMUNICATIONS LTD.
NS	Cheticamp	CH2753	463624	610312	57	A	66.2	184	ACADIAN COMMUNICATIONS LTD.
NS	Dingwall	CJCB-TV-3	465658	602802	9	A	118.9	64	BELL MEDIA INC.
NS	Kennetcook	CH5660	451225	634427	23	A	139.0	80	NORTH NOVA CABLE
NS	Marinette	CJCH-TV-8	445809	623951	23	A	197.9	77	BELL MEDIA INC.
NS	Truro	CJCH-TV-2	452434	631500	12	A	170.1	150	BELL MEDIA INC.
NS	Valley	CJCH-TV-3	452434	631500	12	A	170.1	150	BELL MEDIA INC.
NT	Colville Lake	CH3392	670223	1260533	6	A	256.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Fort Liard	CH3383	601411	1232847	6	A	227.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Fort Providence	CH2889	612115	1173916	14	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Providence	CH2890	612115	1173916	16	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort	CH2891	612115	1173916	18	A	176.9	50	SNOWSHOE INN (N.W.T.)

	Providence								LTD.
NT	Fort Providence	CH2892	612115	1173916	20	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Providence	CH2893	612115	1173916	22	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Providence	CH2894	612115	1173916	24	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Providence	CH2895	612115	1173916	26	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Providence	CH2896	612115	1173916	28	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Providence	CHIS-TV	612115	1173916	30	A	176.9	50	SNOWSHOE INN (N.W.T.) LTD.
NT	Fort Smith	CH4150	600119	1115737	6	A	220.5	10	UNCLE GABE'S FRIENDSHIP CENTRE
NT	Hay River	CH4434	604828	1154715	2	A	216.0	8	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4546	604828	1154715	4	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CIHC-TV	604828	1154715	5	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH2068	604828	1154715	6	A	246.5	120	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4435	604828	1154715	8	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4436	604828	1154715	9	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH2069	604828	1154715	10	A	246.5	120	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4437	604828	1154715	11	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4160	604828	1154715	12	A	218.4	45	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4545	604828	1154715	13	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Hay River	CH4547	604828	1154715	16	A	216.0	9	HAY RIVER COMMUNITY SERVICE SOCIETY
NT	Jean Marie River	CH3384	613131	1203729	6	A	147.0	40	GOVERNMENT OF THE NORTHWEST



									TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Kakisa	CH3385	605828	1172449	6	A	251.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Kakisa	CH2590	605828	1172449	12	A	237.5	2	KAKISA BROADCASTING SOCIETY
NT	Lac La Martre	CH4495	630915	1171616	5	A	282.0	3	NITS'I DA KO RADIO SOCIETY
NT	Lac La Martre	CH4496	630915	1171616	6	A	282.0	3	NITS'I DA KO RADIO SOCIETY
NT	Lac La Martre	CH4497	630915	1171616	7	A	282.0	3	NITS'I DA KO RADIO SOCIETY
NT	Lac La Martre	CH2304	630915	1171616	9	A	281.0	28	NITS'I DA KO RADIO SOCIETY
NT	Lac La Martre	CH4498	630915	1171616	11	A	282.0	3	NITS'I DA KO RADIO SOCIETY
NT	Lac La Martre	CH2592	630915	1171616	13	A	283.1	3	NITS'I DA KO RADIO SOCIETY
NT	Lutselk'E	CH3386	622420	1104411	6	A	192.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Nahanni Butte	CH3387	610207	1232256	6	A	166.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Paulatuk	CH3388	692057	1240421	6	A	12.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Rae Lakes	CH3389	640634	1172052	6	A	234.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Sachs Harbour	CH3390	715916	1251535	6	A	49.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY

NT	Sachs Harbour	CH4687	715916	1251535	7	A	91.9	26	INCORPORATED HAMLET OF SACHS HARBOUR
NT	Sachs Harbour	CH4688	715916	1251535	10	A	91.9	2	INCORPORATED HAMLET OF SACHS HARBOUR
NT	Trout Lake	CH3391	602637	1211450	6	A	509.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Tsiigehtchic	CH3393	672642	1334430	6	A	32.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Tulita	CH3394	645430	1253408	6	A	106.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Tulita	CH2249	645430	1253408	12	A	109.7	14	FORT NORMAN COMMUNITY RADIO SOCIETY
NT	Wekweti	CH3395	641134	1141031	6	A	372.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Wha Ti	CH3396	630915	1171616	6	A	282.0	40	GOVERNMENT OF THE NORTHWEST TERRITORIES, LEGISLATIVE ASSEMBLY
NT	Wrigley	CH2329	631315	1232724	9	A	144.1	2	WRIGLEY COMMUNITY RADIO SOCIETY
NU	Arctic Bay	CH2912	730222	850841	5	A	57.2	2	ATTA SUVAGUQ SOCIETY
NU	Arctic Bay	CH4584	730222	850841	12	A	57.2	2	ATTA SUVAGUQ SOCIETY
NU	Clyde River	CH2290	702706	683310	9	A	37.5	28	ARKUNNIRMIUT BROADCASTING SOCIETY
NU	Clyde River	CH2291	702706	683310	12	A	37.5	28	ARKUNNIRMIUT BROADCASTING SOCIETY
NU	Iqaluit	CH2260	634447	683234	12	A	32.9	45	ASSOCIATION DES FRANCOPHONES DE FROBISHER BAY
NU	Whale Cove	CH2333	621017	923440	7	A	21.6	2	HAMLET OF WHALE COVE

NU	Whale Cove	CH2334	621017	923440	12	A	21.6	2	HAMLET OF WHALE COVE
ON	Bancroft	CHEX-TV-1	450345	774922	4	A	487.6	59	591989 B.C. LTD.
ON	Cat Lake	CH4263	514312	914856	11	A	420.0	11	CAT LAKE ECONOMIC DEVELOPMENT CORPORATION
ON	Deer Lake	CH4113	523708	940252	12	A	331.5	11	FRED MEEKIS
ON	Leamington	CFTV-DT(1)	420424	823754	34	D	229.0	1000	SOUTHSHORE BROADCASTING INC.
ON	North Spirit Lake	CH4116	523032	930055	13	A	342.0	6	NORTH SPIRIT LAKE FIRST NATION
ON	Parry Sound	CKVR-TV-1	452038	800046	12	A	258.0	7	BELL MEDIA INC.
QC	Baie St-Paul	CIMT-DT-4	472526	703129	13	D	182.9	40	TELE INTER-RIVES LTEE
QC	Baie St-Paul	CFTF-DT-10	472526	703129	26	D	177.0	125	TELEVISION MBS INC.
QC	Baie St-Paul	CKRT-DT-1	472526	703129	36	D	180.0	150	CKRT-TV LTEE
QC	Cabano	CFTF-DT-3	473732	685048	12	D	369.6	7	TELEVISION MBS INC.
QC	Cabano	CKRT-DT-4	473732	685048	21	D	367.7	93	CKRT-TV LTEE
QC	Cabano	CIMT-DT-8	473732	685048	23	D	369.7	101	TELE INTER-RIVES LTEE
QC	Dégelis	CKRT-DT-2	473436	683630	25	D	408.0	90	CKRT-TV LTEE
QC	Fermont	CINE-TV	524740	670526	4	A	658.0	44	LA COOPERATIVE DE LA TELEVISION COMMUNAUTAIRE DE FERMONT
QC	Fermont	CFTC-TV	524755	670522	6	A	631.7	5	LA COOPERATIVE DE LA TELEVISION COMMUNAUTAIRE DE FERMONT
QC	Gaspé	CFTF-DT-9	485015	642932	30	D	183.4	113	TELEVISION MBS INC.
QC	Kuujuuaq	CH4716	580635	682443	3	A	21.6	17	SOCIETE KUUJJIAMIUT INC.

QC	Kuujuaq	CH4717	580635	682443	5	A	21.6	17	SOCIETE KUUJJUAMIUT INC.
QC	Kuujuaq	CH4718	580635	682443	8	A	30.8	9	SOCIETE KUUJJUAMIUT INC.
QC	Kuujuaq	CH4719	580635	682443	11	A	30.8	9	SOCIETE KUUJJUAMIUT INC.
QC	Kuujuaq	CH4720	580635	682443	13	A	30.8	9	SOCIETE KUUJJUAMIUT INC.
QC	Lebel-Sur-Quevillon	CJDG-TV-2	490325	765847	11	A	337.7	8	RNC MEDIA INC.
QC	Les Escoumins	CFTF-DT-8	481900	692543	33	D	123.0	313	TELEVISION MBS INC.
QC	Les Escoumins	CIMT-DT-7	481900	692543	35	D	123.0	312	TELE INTER-RIVES LTEE CORPORATION MUNICIPALE DU VILLAGE DE PARENT
QC	Parent	CH2879	475521	743716	10	A	472.0	14	CHAU-TV COMMUNICATIONS LTEE
QC	Port-Daniel	CHAU-DT-3	480820	645907	10	D	189.0	21	TELE MAG
QC	Québec	CHMG-TV	464616	711656	9	A	166.4	18	TELEVISION MBS INC.
QC	Rivière-du-Loup	CFTF-DT-6	475128	693309	11	D	75.3	100	CKRT-TV LTEE
QC	Rivière-du-Loup	CKRT-DT-3	475128	693309	13	D	76.0	114	TELE INTER-RIVES LTEE
QC	Rivière-du-Loup	CIMT-DT-6	475128	693309	41	D	77.8	150	CKRT-TV LTEE
QC	St Urbain	CKRT-DT-5	473307	703338	35	D	300.0	150	TELE INTER-RIVES LTEE
QC	St Urbain	CIMT-DT-5	473307	703338	38	D	300.0	394	TELE INTER-RIVES LTEE
QC	Trois-Pistoles	CIMT-DT-2	480619	691011	13	D	148.9	50	TELEVISION MBS INC.
QC	Trois-Pistoles	CFTF-DT-2	480619	691011	17	D	145.6	355	CKRT-TV LTEE
QC	Trois-Pistoles	CKRT-DT-6	480619	691011	19	D	145.6	385	RNC MEDIA INC.
QC	Ville-Marie	CKRN-TV-2	472112	792736	6	A	330.7	13	

QC	Wemindji	CH4248	530020	784833	14	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4249	530020	784833	17	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4250	530020	784833	20	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4251	530020	784833	23	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4252	530020	784833	26	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4253	530020	784833	29	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4254	530020	784833	32	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4255	530020	784833	35	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
QC	Wemindji	CH4256	530020	784833	38	A	42.0	6	WEMINDJI TELECOMMUNICATIONS ASSOCIATION
SK	Beauval	CH2549	550854	1073608	13	A	466.3	10	SIPISISHK COMMUNICATIONS INC.
SK	Black Point	CH2009	562200	1092649	4	A	478.0	5	NORTHERN SETTLEMENT OF BLACK POINT
SK	Black Point	CH2010	562200	1092649	6	A	478.0	5	NORTHERN SETTLEMENT OF BLACK POINT
SK	Fort Qu'Appelle	CFRE-TV-2	504511	1034056	6	A	578.6	61	SHAW TELEVISION LIMITED PARTNERSHIP
SK	Green Lake	CH2352	541730	1074751	2	A	496.0	8	GREEN LAKE COMMUNICATIONS INC.
SK	Green Lake	CH2353	541730	1074751	5	A	496.0	8	GREEN LAKE COMMUNICATIONS INC.

SK	Green Lake	CH4620	541730	1074751	11	A	486.0	9	GREEN LAKE COMMUNICATIONS INC.
SK	Green Lake	CH4621	541730	1074751	13	A	486.0	9	GREEN LAKE COMMUNICATIONS INC.
SK	Jans Bay	CH2830	550612	1081313	6	A	448.5	11	NORTHERN HAMLET OF JANS BAY
SK	La Loche	CH2056	562950	1092707	2	A	476.0	5	JOHN CHEECHAM
SK	La Loche	CH2057	562950	1092707	7	A	476.0	5	JOHN CHEECHAM
SK	La Loche	CH2058	562950	1092707	9	A	476.0	5	JOHN CHEECHAM
SK	Maple Creek	CHAT-TV-2	495522	1092742	6	A	815.4	52	JIM PATTISON BROADCAST GROUP LIMITED PARTNERSHIP
SK	Shaunavon	CISH-TV	493756	1082417	10	A	969.2	50	TOWN OF SHAUNAVON
SK	Tantallon	CHSO-TV	503300	1015042	15	A	511.0	13	THE VILLAGE OF TANTALLON
SK	Tantallon	CHBG-TV	503300	1015042	17	A	512.0	13	THE VILLAGE OF TANTALLON
SK	Wollaston Lake	CH2721	580627	1031015	2	A	423.2	3	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	CH2722	580627	1031015	4	A	423.2	3	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	CH2723	580627	1031015	6	A	423.2	3	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	CH2724	580627	1031015	7	A	423.2	3	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	CJLK-TV	580627	1031015	9	A	423.2	3	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	CH2809	580627	1031015	11	A	423.2	3	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	WOLLAS TON 50	580627	1031015	45	A	426.0	5	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston	WOLLAS	580627	1031015	48	A	426.0	5	AXE LAKE EDUCATION &

	Lake	TON 51							COMMUNICATIONS SOCIETY
SK	Wollaston Lake	WOLLAS TON 52	580627	1031015	51	A	426.0	5	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	WOLLAS TON 54	580627	1031015	54	A	426.0	5	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	WOLLAS TON 57	580627	1031015	57	A	426.0	5	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
SK	Wollaston Lake	WOLLAS TON 55	580627	1031015	60	A	426.0	5	AXE LAKE EDUCATION & COMMUNICATIONS SOCIETY
YT	Beaver Creek	CFBF-TV	622252	1405246	9	A	714.7	9	NOAH GEHMAIR, TELECOMMUNICATIONS MANAGER, AND HIS SUCCESSORS
YT	Carcross	CFCZ-TV	601039	1344158	13	A	623.8	8	CARCROSS COMMUNITY CLUB
YT	Carmacks	CFYC-TV	620459	1361713	13	A	596.9	18	CARMACKS FAMILY ENTERTAINMENT SOCIETY
YT	Destruction Bay	CFDB-TV	611506	1384812	9	A	808.0	7	KLUANE LAKE ATHLETIC ASSOCIATION
YT	Keno City	CH4094	635430	1351759	13	A	959.5	5	KENO COMMUNITY CLUB
YT	Old Crow	CKRF-TV	673409	1395137	13	A	323.1	44	OLD CROW COMMUNITY CLUB
YT	Pelly Crossing	CFPC-TV	624920	1363439	13	A	506.0	34	PELLY CROSSING COMMUNITY CLUB
YT	Ross River	CFRR-TV-1	615830	1322648	9	A	707.1	14	ROSS RIVER COMMUNITY ASSOCIATION
YT	Stewart Crossing	CH2011	632217	1364048	7	A	498.0	1	STEWART CROSSING COMMUNITY CLUB
YT	Stewart Crossing	CFCS-TV	632217	1364048	9	A	508.0	12	STEWART CROSSING COMMUNITY CLUB
YT	Stewart Crossing	CH2012	632217	1364048	13	A	498.0	1	STEWART CROSSING COMMUNITY CLUB
YT	Tagish	CH2952	601629	1341138	9	A	1076.1	138	TAGISH COMMUNITY ASSOCIATION

YT	Teslin	CFTN-TV-1	601027	1324349	13	A	714.1	19	TESLIN COMMUNITY ASSOCIATION
YT	Upper Liard	CH2986	600310	1285427	9	A	623.9	143	LIARD BROADCASTING SOCIETY
YT	White River	CIMR-TV	620302	1403526	13	A	1413.6	149	NOAH GEHMAIR, TELECOMMUNICATIONS MANAGER, AND HIS SUCCESSORS
YT	Whitehorse	CKWH-TV	604500	1350539	4	A	708.0	5	ROBERT G. HOPKINS

**Table 4 - Applications for Broadcast Certificates for low power TV stations under consideration as of October 24, 2014 (The fields below are intentionally left blank.)**

PROV	CITY	Call Sign	Lat	long	CH	MODULATION TYPE	Rad Center AMSL (m)	ERP(W)	Certificate (or Licence) Holder
BC	Hazelton								
BC	Hazelton								
BC	Hazelton								
BC	Hazelton								
BC	McBride								
YT	Whitehorse								



**Annex B – List of RRBS Stations**

No.	LOCATION	COMPANY NAME	CALL SIGN	TX FREQ	RX FREQ
1	MILLAR HILL, ON	Core Broadband Inc.	CYS808	566	572
2	TABOR MOUNTAIN, BC	ABC ALLEN BUSINESS COMMUNICATIONS	CGK349	692	692
3	CLEARWATER COUNTY, AB TOWER RD	Beacon Broadband Inc.	CGX405	524	560
4	BEACON, AB - SE 8-40-04-W5	Beacon Broadband Inc. RRBS	VFU568	620 626	542 548
5	CAROLINE, AB - SW 04-36-06-W5	Beacon Broadband Inc. RRBS	CHJ974	632	536
6	ROCKY MOUNTAIN HOUSE, AB	Beacon Broadband Inc. RRBS	VFU567	644	584
7	WHITECOURT MOUNT, AB - NE 21-58-12-W5	Slave Lake Communications Ltd.	VFU573	650	692
8	WABASCA, AB	Slave Lake Communications Ltd.	CGR728	632	686
9	FLAT TOP MOUNTAIN, AB	Slave Lake Communications Ltd.	CGR729	656	692
10	FT. MCMURRAY, AB	Advanced Interactive Inc.	CKR711	596	548
11	GRANDE PRAIRIE, AB, MNP BUILDING	Advanced Interactive Inc.	CKR789	578	542
12	MAYERTHORPE, AB	Advanced Interactive Inc.	CKS454	668	548
13	FOX CREEK, AB	Advanced Interactive Inc.	CKS691	614	686
14	WHITECOURT, AB	Advanced Interactive Inc.	VFU564	596 590	548 542
15	ELIZABETH, AB - MÉTIS SETTLEMENT	Advanced Interactive Inc.	VXK829	614	692
16	ROSS HAVEN, AB	Advanced Interactive Inc.	CKR710	590	542
17	GROUARD, AB	Advanced Interactive Inc.	CKD484	578	530
18	VALLEYVIEW, AB	Advanced Interactive Inc.	CJG656	524	560
19	BUFFALO LAKE, AB - MÉTIS SETTLEMENT WISP	Advanced Interactive Inc.	CGK859	692	572
20	SASKATOON MOUNTAIN, AB - WISP	Advanced Interactive Inc.	CHP550	548	596
21	YORKTON, SK, 307 TOWER RD	YOURLINK INC.	CFM673	578	530
22	DUFF, SK, PCL A. - SW 34-21-8-W2	YOURLINK INC.	CGL316	614	686
23	CONQUEST, SK - NW 32-29-9-W3	YOURLINK INC.	CGL381	620	686
24	CLEARWATER LAKE, SK	YOURLINK INC.	CHR357	632	680
25	LEBRET, SK - NW 34-20-13-W2	YOURLINK INC.	CHZ721	584	536

No.	LOCATION	COMPANY NAME	CALL SIGN	TX FREQ	RX FREQ
26	RUSH LAKE, SK	YOURLINK INC.	CKZ606	656	692
27	LACADENA, SK	YOURLINK INC.	CKZ683	524	560
28	LIBERTY / LONG LAKE, SK	YOURLINK INC.	VFW718	590	542
29	EMMA LAKE, SK - NE 24-53-27-W3	YOURLINK INC.	CGL386	524	560
30	KYLEMORE, SK - NE 8-34-12-W2	YOURLINK INC.	CGL442	614	686
31	ZENON PARK, SK - SW 5-47-12-W2	YOURLINK INC.	CGN223	668	692
32	RAMA, SK	YOURLINK INC.	CKZ680	620	692
33	WILKIE, SK	YOURLINK INC.	CKZ682	590	536
34	TISDALE, SK	YOURLINK INC.	CKZ684	620	680
35	DENHOLM NORTH BATTLEFORD, SK (WISP)	YOURLINK INC.	VFV593	596	548
36	LLOYDMINSTER, SK	YOURLINK INC.	VFW663	578	530
37	GRENFELL, SK - NE 18-16-7-W2	YOURLINK INC.	CFM688	578	530
38	HIGHLAND, AB	353233 ALBERTA LTD	VXI987	632	554
39	RILEY, AB	353233 ALBERTA LTD	CHR293	656	554
40	TIMMINS, ON (WEST)	BELL ALIANT REGIONAL COMMUNICATIONS	VXH365	632	686
41	KIRKLAND LAKE, ON	BELL ALIANT REGIONAL COMMUNICATIONS	VXH367	638	686
42	NEW LISKEARD, ON	BELL ALIANT REGIONAL COMMUNICATIONS	VXH360	650	674
43	MONT-LAURIER, QC	BELL ALIANT COMMUNICATIONS REGIONAL	VXK943	638	686
44	LA SARRE, QC	BELL ALIANT COMMUNICATIONS REGIONAL	VXK946	644	674
45	MONT KÉKÉKO, QC	BELL ALIANT COMMUNICATIONS REGIONAL	VXK947	626	680
46	VAL-D'OR, QC	BELL ALIANT COMMUNICATIONS REGIONAL	VXK950	554	602
47	CORONATION, AB - GLENTEL TOWER	LTR COMMUNICATIONS CORPORATION	CHQ387	686	614
48	MANNING, AB	DOUBLE F & COMPANY LTD	CFV735	638	560
49	SAVANNA, AB	DOUBLE F & COMPANY LTD	CFV736	680	614
50	WARRENSVILLE, AB	DOUBLE F & COMPANY LTD	CHQ828	632	542
51	SPIRIT RIVER, AB - DIKA MTN	DOUBLE F & COMPANY LTD	CHQ826	638	578
52	ALDER RIDGE, AB	DOUBLE F & COMPANY LTD	CGH919	692	524
53	MONT SIR-WILFRID-LAURIER, QC	RRI CHOICE BROADBAND CANADA INC.	CKS555	614	692
54	NOTRE-DAME-DU-LAUS, QC	RRI CHOICE BROADBAND CANADA INC.	CKS564	662	692

No.	LOCATION	COMPANY NAME	CALL SIGN	TX FREQ	RX FREQ
55	LAC-SAGUAY, QC	RRI CHOICE BROADBAND CANADA INC.	CKS563	662	686
56	NOTRE-DAME-DE-PONTMAIN, QC	RRI CHOICE BROADBAND CANADA INC.	CKS562	650	686
57	MONT ST-MICHEL, QC	RRI CHOICE BROADBAND CANADA INC.	CKS561	596	542
58	RIVIÈRE-ROUGE, QC	RRI CHOICE BROADBAND CANADA INC.	CYS657	632	692
59	CANDLE LAKE, SK	10106593 SASKATCHEWAN LTD.	CGZ406	620	686
60	ST. ISIDORE DE BELLEVUE, SK	10106593 SASKATCHEWAN LTD.	CGZ503	620	686
61	NIPAWIN, SK	10106593 SASKATCHEWAN LTD.	CKD487	578	536
62	LEASK, SK	10106593 SASKATCHEWAN LTD.	CKL337	650	680
63	VALLEYVIEW, AB - SITE 12B SOUTH	I WANT WIRELESS.CA LTD	CGZ415	668	614
64	LITTLE SMOKEY, AB - SITE 12B	I WANT WIRELESS.CA LTD	CGZ416	650	572
65	FOYMOUNT (46 LAWRENCE RD), ON	TJ COMMUNICATIONS	CGZ502	644	680
66	BEECHMOUNT, ON	TJ COMMUNICATIONS	CGZ505	644	680
67	CHARLIE HILL, BC	O/A RuralNet Wireless	CKR465	626	674
68	GRANDE PRAIRIE, AB (SASK MTN)	VINCENT COMM & CONTROL	CKD293	626	686
69	NEERLANDIA, AB	The Rural Link Inc.	CGK620	620	548
70	HUSSAR, AB	The Rural Link Inc.	CGK799	530	530
71	GOODLOW, BC (1602 CECIL LAKE RD)	The Rural Link Inc.	CGP605	614	530
72	DRAYTON VALLEY, AB	The Rural Link Inc.	CGH247	578	548
73	GRANDE PRAIRIE, AB - NE 1/4 12-72-9-W6	The Rural Link Inc.	CFV372	656	614
74	VAUXHALL, AB	The Rural Link Inc.	CGK796	614	536
75	MOOSE JAW, SK	TERASTREAM BROADBAND (SK) CORP.	CYS786	512	548
76	STRANRAER, SK	TERASTREAM BROADBAND (SK) CORP.	CYS787	512	548
77	BASSANO, AB	TERASTREAM COMMUNICATIONS LTD.	CKS726	518 524	590 596
78	PRINCE ALBERT, SK (WISP)	ADVANCED INTERACTIVE CANADA INC.	VFT812	590	542
79	CHARLIE LAKE (CBC SITE), BC	Advanced Interactive Canada Inc	CKS457	680	530
80	BEAR MOUNTAIN (CJDC-TV TOWER), BC	Advanced Interactive Canada Inc	CKS368	620	686
81	WHISTLER, BC (WISP)	Advanced Interactive Canada Inc (MW)	CKS997	614	680
82	GIRARDVILLE, QC	DIGICOM TECHNOLOGIES INC	VX9GQE	560	614

No.	LOCATION	COMPANY NAME	CALL SIGN	TX FREQ	RX FREQ
83	GRAND-REMOUS, QC (1777 BASKATONG)	6HARMONICS INC.	VX9GRU	542	680

**Annex C – Planning Parameters and Technical Assumptions**

<b>Parameter</b>	<b>Value</b>
Spherical earth distance	111.15 km/° latitude
Earth ground and atmospheric constants	$r=15$ , $\Theta=5$ mS/m
Climatic zone	Continental temperate (5)
Terrain database	CDED 1"
Calculation of depression angles from TX	Spherical earth geometry using elevations AMSL
Radio signal propagation model	Longley-Rice
Longley-Rice service mode	Broadcast
Population database	Statistics Canada, 2011
Rounding of population centroids	None
Terrain extraction interval	0.1 km for average terrain
	1.0 km for path loss
DTV NLBC threshold (Low VHF, High VHF, UHF)	28, 36, 41 $-20 \log(615/\text{frequency in MHz})$ dBu
DTV NLBC statistic (location/situation, time)	50, 90 percent
DTV-into-DTV interference threshold, co-channel	$15+10 \log [1/(1-10^{-(x/10)})]$ , where $x=S/N-15.19$
DTV interference statistic (location/situation, time)	50, 10 percent
DTV-into-DTV interference D/U ratio threshold, adjacent channel	-28 dB (lower adj.), -26 dB (upper adjacent)
Cell size for Longley-Rice calculations	Square, 2 km/side
Treatment of $kwx=3$ warnings	Accept, Assume Coverage
NTSC TV station to DTV station conversion method	Using IC F-curve program, match the resulting DTV station's F(90,90) contour distance <sup>11</sup> to the NTSC TV station's grade B contour distance, up to the maximum F(90,90) contour distance derived by the NTSC station's associated DTV parameters given in the current DTV Plan

<sup>11</sup> F(90,90) contour distance is calculated as the distance to the NLBC signal strength threshold by using F(90,90) curves.

TX antenna elevation pattern shape	Standard OET 69, non-symmetrical
Electrical beam tilt	As specified, or 0.75° if not specified for Canada stations and allotments
Mechanical beam tilt	0 (ignored)
Replication method for antenna horizontal patterns	Scaled ERP (subject to maximum power limits as agreed) at new channel to match area enclosed, using existing antenna pattern
# radials used for height above the average terrain (HAAT) calculation	8
# radials used for contour projection	360
Minimum HAAT for any radial	30.5 m
Receive antenna height above ground level (AGL)	10 m
Receive antenna gain (low VHF, high VHF, UHF)	4, 6, 10 dBd
Downlead loss (low VHF, high VHF, UHF)	1, 2, 4 dB
Receive antenna front-to-back ratio (low VHF, high VHF, UHF) and azimuth pattern shape	10, 12, 14 dB, $\cos^4(\Theta)$ , but not less than F/B ratio specified
Polarization	Horizontal
Technical parameters of the station	As-built operating

