

Cable and Wireless (TCI) Ltd, PO Box 78, Leeward Highway Providenciales Turks & Caicos Islands British West Indies

Date 5th August 2008

Ref: CWTCI/ 01.91

Mr Bennett Stubbs Chairman Telecommunications Commission Providenciales Turks and Caicos Islands

Dear Mr. Stubbs,

Re: 700 MHz Band Spectrum Application

Cable and Wireless (TCI) Limited ("C&W") refers to the Commission's letter of 10 July 2008. Pursuant to subsection 32(1) of the *Telecommunications Ordinance 2004* (the "Ordinance"), C&W hereby submits the attached revised application for a spectrum licence. In applying for this spectrum C&W locally and regionally is proactively aligning itself with the development and rollout plans of our mobile switch vendor.

Pursuant to section 7 of the Ordinance and subsection 7(2) of the Telecommunications and Frequency Licensing Regulations, C&W requests confidential treatment of some of the details included in the attachment to the application form. The network and service development plans of C&W are information that is a trade secret or confidential information (as that term is defined in the Ordinance), and is consistently treated in a confidential manner by C&W, until they are implemented. Disclosure of this information would enable our competitors to develop competitive and targeted responses, even before C&W would be able to implement its own plans. This could reasonably be expected to result in material financial loss to C&W. C&W notes that it has identified the intended general use of the frequencies ("broadband wireless access services"), and C&W submits that the public is in a position to comment effectively on the application without further details on the proposed services and technologies.

All confidential information is highlighted in yellow and bracketed by "#". An abridged version, with all confidential information replaced by "###", will be prepared for the public record.

Please do not hesitate to contact the undersigned if you have any questions or require further information.

Yours sincerely,

Dufuel Sagna

c.c. Frans Vandendries, Vice President Legal and Regulatory Affairs, CWWI Stuart MacPherson, Director General, TCI Telecommunications Commission

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Attachment to Application for Spectrum Licence

20 May 2008 (Revised 5 August 2008)

Item 3. Fixed or Transportable Station Details

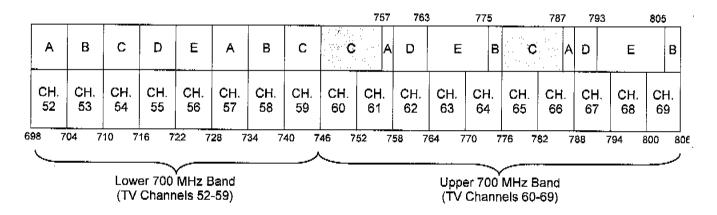
C&W expects to locate the base station transmitter/receivers on existing cellular mobile masts.

Item 4. Frequencies and Operation

C&W is requesting use of the frequencies at 746-757 MHz, paired with 776-787 MHz, otherwise known as Block C in the Upper 700 MHz band channel plan established by the Federal Communications Commission (the "FCC") in the United States.

The United States is transitioning its television services to digital television technology. As a result, the spectrum previously allocated to analog television services has been freed for different uses. In particular, the FCC has divided the "700 MHz Band" (698-746 MHz, UHF Channels 52 to 69 inclusive) into eighteen (18) blocks, eight (8) of which are grouped into the "Lower 700 MHz Band" and ten (10) of which are grouped into the "Upper 700 MHz Band", and allocated these blocks to fixed and mobile telecommunications services. Two of these blocks in the Upper 700 MHz Band (labeled "E" in the "Upper" portion of the chart below) have been reserved for "public safety" entities, and four blocks in the Upper 700 MHz Band have been established as guard bands to protect that "public safety" spectrum.

700 MHz Band Plan



REDACTED

Block	Frequencies (MHz)	<u>Bandwidth</u>	<u>Pairing</u>
A	698-704, 728-734	12 MHz	$2 \times 6 \text{ MHz}$
В	704-710, 734-740	12 MHz	2 x 6 MHz
C	710-716, 740-746	12 MHz	$2 \times 6 MHz$
D	716-722	6 MHz	Unpaired
${f E}$	722-728	6 MHz	Unpaired
C	746-757, 776-787	22 MHz	2 x 11 MHz
A	757-758, 787-788	2 MHz	2 x 1 MHz
D	758-763, 788-793	10 MHz	$2 \times 5 \text{ MHz}$
E	763-775, 793-805	24 MHz	2 x 12 MHz
В	775-776, 805-806	2 MHz	$2 \times 1 \text{ MHz}$

C&W notes that there are no current users of the UHF television spectrum and, as a result, the Commission should be able to allocate the 700 MHz Band to broadband wireless telecommunications services, and assign blocks within that band to telecommunications licensees, without disrupting any existing users.

Further, C&W notes that its proposed use of the spectrum in the 700 MHz Band is fully consistent with the draft Turks and Caicos Islands Table of Frequency Allocations published in June 2007. That Table allocates the spectrum between 618 MHz and 806 MHz to the "fixed" and "mobile" services as secondary uses. Based on the terminology applied by the International Telecommunications Union, in particular in Recommendation ITU-R F.1399-1, "broadband" encompasses both "fixed" and "wireless", provided the bandwidth is sufficiently high. As a result, C&W submits that this application for spectrum to offer broadband wireless access services is consistent with the Spectrum Plan (as defined by the Frequency Management Regulations) as required by subsection 4(1) of the Telecommunications and Frequency Licensing Regulations 2005.

Items 5, 6, 7 and 8. Particulars of Proposed Equipment

The exact equipment is currently undetermined, as this will depend upon spectrum availability and results of further evaluation. C&W is currently planning for a deployment of #

broadband wireless access services using the requested spectrum. These are leading-edge services that are currently not being offered in the Turks and Caicos Islands, to the best of our knowledge. The timeframe for deployment of the necessary equipment by the manufacturers is

#, and C&W anticipates that deployment of commercial services would take place shortly thereafter. C&W is currently working with its vendors to determine a go live date.

By requesting spectrum at this time, we intend to facilitate the process of forecasting our requirements, communicating them to the manufacturer, and evaluating their equipment prior to commercial availability. Pre-determining the spectrum to be used will also ensure the equipment design and engineering process is as efficient and cost-effective as possible.



APPLICATION FOR SPECTRUM LICENCE

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Call Sign			

TO INSTALL AND OPERATE IN										
	TURKS AND CAICOS ISLAND						Account No.			
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3. FIXED or TRA	NSPORTABLI	E STATION DETAILS								
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Name of general a	rea of operation	(See note 6)								
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4. FREQUEN	CIES AND OPE	RATION								
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TCITC Application Form

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CERTIFICATION

I certify that the statements made in this application at certified for use in Turks & Caicos Islands and that it the Regulations made under the Telecommunication antenna structure will be marked in accordance with the Department.	ie station (s) wil Ordinance, I fur	Il be used only for the purpose: ther certify that I am eligible to	s authorized by the Minister of Communication and bound a radio station licence and, if required, the
Drexwell Seymon	5 ^d N A	12 mt 2008	Signature Signature
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	RESERV	VED TO THE DEPARTM	IENT
Domestic coordination required?	O Yes	O No	
International coordination required?	O Yes	O No	
EMC required?	O Yes	O No	
INSPECTOR'S COMMENTS	,		
The information contained in this application has been	checked and ap	pproval is	O recommended O not recommended
Date properly completed application received	•	Date proc	essing completed 🔻
Inspector's Signature			
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Application Title (if on behalf of C	Company)
I, the above - named applicant, propose to install or modify the antenna(s) or antenna-supporting st	ructure described herein.
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Geographical Coordinates	
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R PRELIMINARY ENVIRONMENTAL INFORMATION ATTESTATION	
The proposed antenna installation and supporting structure are:	Yes No
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n a national park or other protected area	0.0
A significant modification to an existing anterma installation	0 0
Attached to, or within 50 feet of an existing building	00
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TCITC Application Form

Notes on completing this form

Section 1

- The company name must be as officially registered. If personal application the applicant's full name is required. All
 entries must be clearly legible and entered in indelible lnk.
- If the mailing address of the company or client is not the same location as the radio station specify this on the application. If the billing address is different from the mailing address attach this information separately.

Section 2

- 3. The station type shall be described as the type of operation such as radio paging, taxi dispatch, radio amateur, etc. if the application is for an Amateur station notarized copies of qualification level and certification level and certification documentation must be attached.
- 4. The latitude and longitude information must me provided when the station is at a fixed location. The accuracy must base on a topographic map of not more than 1:50000 scale plus or minus 5 seconds of position. GPS location accuracy is sufficient. An original or photocopy of the topographic map or parcel and plot # should be attached to the application showing the site location.
- If the application is for a land station such as a base station in communication with associated mobile stations, specify the number of mobiles associate with this frequency.
- The station name must be the name of the nearest Island or Settlement in which the station and its operation use to be conducted.
- 7. If the application is for mobile operation only specify the area of operations by area in Milles or Feet around the center of operation.
- 8. The ground elevation, above mean sea level (AMSL) can be obtained from a topographic map of the station location.
- If the antenna is located on a building on a rooftop specify the height of the building above ground, in Feet.
- 10. If the antenna is mounted on a radio tower on a rooftop specify the height of the tower and the height of the antenna from the rooftop, in Feet. If the antenna is mounted on a radio tower on a hill specify the height of the tower and the height of the antenna above ground, in Feet.

Section 3

- Technical information in section 3 of this form is normally provided by the equipment supplier or installer. The information must be accurate and reliable.
- 12. If the application consists of more then one frequency pair and the radio equipment is different for each frequency pair, attach details of the additional equipment to this application.
- 13. If the application is for a complex system, including radio paging or network an application must be submitted for each station and the application must be accompanied by an engineering brief describing all relevant technical details of the construction.

Section 4:

Section 4 of the application is to be completed by regulatory officials.

Attachment to Application for Spectrum Licence

20 May 2008 (Revised 5th August 2008)

Item 3. Fixed or Transportable Station Details

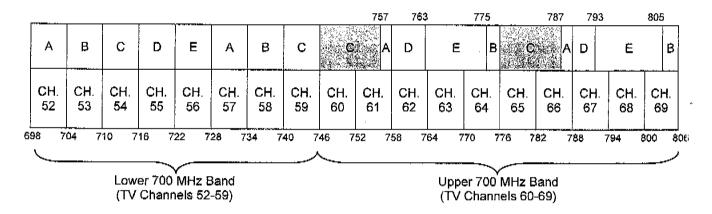
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CONFIDENTIAL

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