



SPECTRUM LICENCE

[ISSUED UNDER PART IV OF THE TELECOMMUNICATIONS ORDINANCE 2014]

ISSUED TO: **CABLE & WIRELESS (TCI) LIMITED**

ISSUED ON: **JULY 8, 2011**

AMENDED: **(1) JUNE 11, 2014 (DECISION NOTICE (2014-3**

AMENDED: **(2) APRIL 7, 2015 (DECISION NOTICE) 2015-4**

AMENDED: **(3) FEBRUARY 2, 2018 (DECISION NOTICE (2018-2)**

AMENDED: **(4) JULY 31, 2018 (DECISION NOTICE (2018-3)**

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This **Spectrum Licence** ("the Licence") dated **July 8, 2011** is issued by the **Turks and Caicos Islands Telecommunications Commission** ("the Commission") in accordance with Section 35 of the Telecommunications Ordinance 2014 to **Cable & Wireless (Turks & Caicos) Limited** a company duly incorporated in the Turks and Caicos Islands ("the Licensee").

Interpretation

1. In this Licence unless the context requires otherwise:

"assigned radio spectrum" means the radio frequencies assigned in the Schedule;

"harmful interference" means interference that is or is likely to: (a) cause loss or damage to any person; (b) impair the normal operation of a licensed radiocommunication service or apparatus; (c) corrupt a message conveyed by any such service or apparatus (d) endanger the functioning of a radio navigation service or of other safety services;

"interference" means the prejudicing by emissions or reflections from the Licensee's radiocommunication station or apparatus of any of the forms of electromagnetic energy or the fulfillment of the purposes for which a terrestrial technical system is installed or maintained;

"international standards body" means the International Telecommunication Union (ITU), the International Organization for Standardization (ISO), the International Electrotechnical Committee (IEC), the American Standards Organizations, the European Standards Organization and any other body that may be specified by the Commission to be an international standards body;

"Licensed Network" means the network operated by the Licensee pursuant to a licence granted under Part III of the Ordinance;

"Licensed Service" means the services authorized to be provided under the Licensed Network;

"Ordinance" means the Telecommunications Ordinance 2014 and includes the regulations made under it;

"radiocommunication station" means a site upon which radiocommunication apparatus is deployed, including any vehicle, ship or aircraft;

"Spectrum Plan" means the Turks and Caicos Islands Table of Frequency Allocations published by the Commission under the Ordinance;

"Technical Conditions" means the conditions relating to radiated power limits, technical standards, modulation techniques or other characteristics established by international standards bodies that apply to the use of the assigned radio spectrum.

2. Any word, phrase or expression used in this Licence shall, unless the context requires otherwise, have the same meaning that it has in the Ordinance.

3. Words importing the singular include the plural and vice versa. All references to legislation are deemed to refer to such legislation as amended or re-enacted from time to time.

Scope of the Licence

4. The Licensee is authorized to use the assigned radio spectrum in accordance with the Spectrum Plan for the operation of its Licensed Network and the provision of its Licensed Service. The Licensee may not use the assigned radio spectrum for any other purpose.

5. The Licensee is authorized to use of the radio frequencies in its assigned radio spectrum for the period of validity mentioned in the Schedule for each of the radio frequencies.

6. This Licence replaces any spectrum licence that may have been granted to the Licensee by the Commission or any other person in the past.



Payment of Licence Fees

7. The Licensee shall pay to the Commission in respect of the radio frequencies in its assigned radio spectrum the fees that are applicable to those frequencies under the Telecommunications Fee Structure Regulations.

Use of Spectrum and Apparatus

8. The Licensee shall ensure that its use of the assigned radio spectrum authorised by this Licence does not cause harmful interference to any other licensed radiocommunication service or radiocommunication apparatus.

9. The Licensee shall ensure that its radiocommunication apparatus are adequately protected from interference that may be caused by other radiocommunication stations and apparatus operating in the same geographical area or radio frequency band, or in adjacent geographical areas or frequency bands.

10. The Licensee shall ensure that its use of the assigned radio spectrum authorised by this Licence does not cause any danger to the public.

11. The Licensee shall ensure that its radiocommunication service and apparatus complies with relevant Technical Conditions.

12. The Licensee shall assist the Commission in coordinating and managing the efficient use of radio frequencies with neighbouring countries.

13. The Licensee shall obtain all consents and approvals required under the Turks and Caicos Island laws before the commencement of any installation of its radiocommunication station or apparatus.

14. Where the Licensee's radiocommunication station or apparatus causes the emission of harmful interference or causes any other radiocommunication station or apparatus to emit harmful interference, the Licensee shall take such steps as the Commission may direct to remove the source of such harmful interference and furnish such information as the Commission may request concerning the interference. Before making a direction the Commission may consult the Licensee or any other person that it considers may be affected by the direction.

15. The Licensee shall investigate immediately upon being notified in writing by the Commission any complaint alleging that harmful interference has been, is being or is about to be emitted by its radiocommunication station or apparatus.

16. The Licensee shall ensure that all persons using its radiocommunication apparatus are made aware of the conditions of this Licence and comply with those conditions.

17. The Licensee shall keep accurate, up to date and detailed records of the operation of its radiocommunication apparatus and shall make this information available, promptly and without charge to the Commission.

18. The Licensee shall notify the Commission of any proposed material change to its radiocommunication station or apparatus and shall provide such information as the Commission may require for the purpose of assessing the effect of such change.

19. Upon receiving reasonable prior notice, the Licensee shall allow the Commission to inspect its radiocommunication station or apparatus and shall provide such assistance as the Commission may require verifying that the radiocommunication station or apparatus are in compliance with the conditions of this Licence.

20. The Licensee shall exhibit all notices and instructions given to it by the Commission at its radiocommunication station.



Conditions Pertaining to Assigned Radio Spectrum in the 700 MHz Band

20 A. The Licensee shall comply with the conditions in the Annex pertaining to the assigned radio spectrum 746–757 MHz and 777–788 MHz in the Schedule. *(added April 7, 2015, Commission Decision 2015 – 4)*

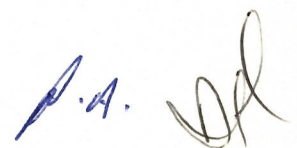
Remedies for Non-Compliance

21. In the event of any failure by the Licensee to comply with the conditions of this Licence the Commission may take such action as it deems appropriate, including suspension and revocation of the Licence, in accordance with the provisions of the Ordinance.

Information Requirements

22. Not later than the end of the period of three months beginning with the day after the end of each financial year, the Licensee shall furnish to the Commission a report of its activities during the past financial year.

23. The Licensee shall furnish to the Commission in such manner and at such times as the Commission may request in writing such information related to the activities of the Licensee under this Licence as the Commission may reasonably require in the performance of its functions.



SCHEDULE [Assigned Radio Spectrum]

Note: “the schedule may be updated from time to time as new Spectrum is assigned to the Licensee”

License Services	Assigned Frequency (MHz)	Bandwidth	Type of Service	Coverage Area	Emission Power Level (Watts)	Period of Validity	
						From	To
HF	3.1580 MHz		HF Radio	National		January 25, 2006	January 25, 2021
	5.7400 MHz		HF Radio	National		January 25, 2006	January 25, 2021
	8.0750MHz		HF Radio	National		January 25, 2006	January 25, 2021
	11.5900MHz		HF Radio	National		January 25, 2006	January 25, 2021
	15.4850MHz		HF Radio	National		January 25, 2006	January 25, 2021
	19.0550MHz		HF Radio	National		January 25, 2006	January 25, 2021
VHF	131.7250MHz	15 KHz	Aeronautical	National		January 25, 2006	January 25, 2021
	158.000MHz	15 KHz	Paging	National		January 25, 2006	January 25, 2021
	159.100MHz	15 KHz	VHF Radio	National		January 25, 2006	January 25, 2021
	159.200 MHz	15 KHz	VHF Radio	National		January 25, 2006	January 25, 2021
	159.300 MHz	15 KHz	VHF Radio	National		January 25, 2006	January 25, 2021
	159.400MHz	15 KHz	VHF Radio	National		January 25, 2006	January 25, 2021
Cellular (700 MHz)	746 – 757 MHz Down-link	11 MHz	LTE	National		April 7, 2015	January 25, 2021
	777 – 788 MHz Up-link	11 MHz				April 7, 2015	January 25, 2021
Cellular (850 MHz) A Band	824.2 - 835.0MHz Up-link	11 MHz	GSM	National		January 25, 2006	January 25, 2021
	869.2 –880.0MHz Down-link	11 MHz				January 25, 2006	January 25, 2021
Cellular (850 MHz) B Band	835.2 - 836.8MHz Up-link	1.8 MHz	GSM	National		September 30, 2010	January 25, 2021
	880.2 –881.8MHz Down-link	1.8MHz				September 30, 2010	January 25, 2021
Cellular (850 MHz) B Band	837.4 - 847.4 MHz Up-link	10 MHz	UMTS	National		April 7, 2015	January 25, 2021
	882.4 – 892.4 MHz Down-link	10 MHz				April 7, 2015	January 25, 2021
Cellular (1900 MHz)	1865 – 1870 MHz Up-link	5 MHz	GSM	National		July 19, 2018	January 25, 2021
	1945 – 1950 MHz Down-link	5 MHz				July 19, 2018	January 25, 2021
Cellular (1900 MHz)	1870.0 –1874.8 MHz Uplink	5 MHz	GSM	National		May 1, 2006	January 25, 2021
	1950.0 –1954.8 MHz Down-link	5 MHz				May 1, 2006	January 25, 2021
Cellular (1900 MHz)	1875.0 – 1880.0 MHz Up-link	5 MHz	GSM	National		October 11, 2012	January 25, 2021
	1955.0 – 1960.0 MHz Down-link	5 MHz				October 11, 2012	January 25, 2021
	1428.7500 MHz					January 25, 2006	January 25, 2021
	1432.5000 MHz					January 25, 2006	January 25, 2021
	1439.2500 MHz					January 25, 2006	January 25, 2021
	1456.5000 MHz					January 25, 2006	January 25, 2021
	1458.5000 MHz					January 25, 2006	January 25, 2021

	1458.9500 MHz					January 25, 2006	January 25, 2021
	1466.5000 MHz					January 25, 2006	January 25, 2021
	1440.5000 MHz					January 25, 2006	January 25, 2021
	1474.5000 MHz					January 25, 2006	January 25, 2021
	1477.7500 MHz					January 25, 2006	January 25, 2021
	1481.5000 MHz					January 25, 2006	January 25, 2021
	1488.2500 MHz					January 25, 2006	January 25, 2021
	1489.5000 MHz					January 25, 2006	January 25, 2021
	1505.5000 MHz					January 25, 2006	January 25, 2021
	1507.5000 MHz					January 25, 2006	January 25, 2021
	1515.5000 MHz					January 25, 2006	January 25, 2021
	1523.5000 MHz					January 25, 2006	January 25, 2021
	1951.0000 MHz					January 25, 2006	January 25, 2021
	2009.0000 MHz					January 25, 2006	January 25, 2021
	2067.0000 MHz					January 25, 2006	January 25, 2021
	2164.0000 MHz					January 25, 2006	January 25, 2021
	2222.0000 MHz					January 25, 2006	January 25, 2021
	2228.0000 MHz					January 25, 2006	January 25, 2021
	2280.0000MHz					January 25, 2006	January 25, 2006
	2511.5000 MHz					January 25, 2006	January 25, 2021
	2630.5000 MHz					January 25, 2006	January 25, 2021
6 GHz	Microwave	Tx 6460.000 MHz	40 MHz			November 20, 2012	January 25, 2021
		Tx 6620.000 MHz	40 MHz			June 10, 2014	January 25, 2021
		Tx 6660.000 MHz	40 MHz			June 10, 2014	January 25, 2021
		Rx 6800.000 MHz	40 MHz			November 20, 2012	January 25, 2021
		Rx 6960.000 MHz	40 MHz			June 10, 2014	January 25, 2021
		Rx 7000.000 MHz	40 MHz			June 10, 2014	January 25, 2021
7 GHz	Microwave	Tx 7442.000 MHz	28 MHz	Microwave		November 20, 2012	January 25, 2021
		7489.0000 MHz (CH3)	28 MHz			January 25, 2006	January 25, 2021
		7533.0000 MHz	28 MHz			January 25, 2006	January 25, 2021
		7582.0000 MHz (CH6)	28 MHz			January 25, 2006	January 25, 2021
		7638.0000 MHz (CH8)	28 MHz			January 25, 2006	January 25, 2021
		Rx 7687.000 MHz	28 MHz			November 20, 2012	January 25, 2021
		7694.0000 MHz	28 MHz			January 25, 2006	January 25, 2021
		7743.0000 MHz (CH3)	28 MHz			January 25, 2006	January 25, 2021
		7827.0000 MHz (CH6)	28 MHz			January 25, 2006	January 25, 2021



		7883.0000 MHz (CH8)	28 MHz				January 25, 2006	January 25, 2021
		7470.0000 MHz (CH 2)	28 MHz				January 11, 2018	January 25, 2021
		7610.0000 MHz (CH 7)	28 MHz				January 11, 2018	January 25, 2021
		7715.0000 MHz (CH 2)	28 MHz				January 11, 2018	January 25, 2021
		7855.0000 MHz (CH 7)	28 MHz				January 11, 2018	January 25, 2021
8 GHz	Microwave	7777.3500 MHz (CH2)	29.25MHz	Microwave			October 5, 2006	January 25, 2021
		Tx 7926.000 MHz (CH1)	28MHz				June 10, 2014	January 25, 2021
		Tx 7954.000 MHz (CH2)	28MHz				June 10, 2014	January 25, 2021
		8088.6700 MHz (CH2)	29.25MHz				October 5, 2006	January 25, 2021
		Rx 8192.000 MHz	28 MHz				June 10, 2014	January 25, 2021
		Rx 8220.000 MHz	28 MHz				June 10, 2014	January 25, 2021
		8317.5000 MHz	14 MHz				January 25, 2006	January 25, 2021
		8331.5000 MHz	14 MHz				January 25, 2006	January 25, 2021
		8436.5000 MHz	14 MHz				January 25, 2006	January 25, 2021
		8450.5000MHz	14 MHz				January 25, 2006	January 25, 2021
10-11 GHz	Microwave	Tx 11035.000 MHz	40 MHz				June 10, 2014	January 25, 2021
		Tx 11075.000 MHz	40 MHz				June 10, 2014	January 25, 2021
		Rx 11565.000 MHz	40 MHz				June 10, 2014	January 25, 2021
		Rx 11605.000 MHz	40 MHz				June 10, 2014	January 25, 2021
13 GHz	Microwave	Tx 12765.000 MHz	28 MHz	Microwave			June 10, 2014	January 25, 2021
		Tx 12793.000 MHz	28 MHz				June 10, 2014	January 25, 2021
		Rx 13031.000 MHz	28 MHz				June 10, 2014	January 25, 2021
		Rx 13059.000 MHz	28 MHz				June 10, 2014	January 25, 2021
Satellite	3.7 - 4.2 GHz Downlink 5.9 - 6.4 GHz Uplink	3711.6725 MHz			International		January 25, 2006	January 25, 2021
		3713.2475 MHz					January 25, 2006	January 25, 2021
		3714.3175 MHz					January 25, 2006	January 25, 2021
		3714.7350 MHz					January 25, 2006	January 25, 2021
		3717.8700 MHz					January 25, 2006	January 25, 2021
		5938.2475 MHz					January 25, 2006	January 25, 2021
		5939.3175 MHz					January 25, 2006	January 25, 2021
		5939.7350 MHz					January 25, 2006	January 25, 2021
		5972.8700 MHz					January 25, 2006	January 25, 2021

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ANNEX

Conditions for the Assigned Radio Spectrum in the 700 MHz Band

The following conditions apply in respect of the assigned radio spectrum 746–757 MHz and 777–788 MHz in the Schedule.

Deployment Conditions of Licence and Related Reporting Requirements

- i) Using the 700 MHz band assigned radio spectrum, the Licensee shall commercially deploy 4G LTE mobile broadband services in the provision of Licensed Services within 3 months of the issuance of this Spectrum Licence.
- ii) Using the 700 MHz band assigned radio spectrum, the Licensee shall provide commercial service coverage of 4G LTE mobile broadband services to a minimum of 98% of the population of the Turks & Caicos Islands within 6 months of the issuance of this Spectrum Licence.
- iii) The Licensee shall file a 4G LTE mobile broadband services deployment status report with the Commission at the following dates: (i) 3 months following the issuance of this Spectrum Licence, (ii) 6 months following the issuance of this Spectrum Licence and (iii) every succeeding 2 years after the date in (ii). In its first report, the Licensee shall, among other things, report the date that it first commercially deployed 4G LTE mobile broadband services using the 700 MHz band assigned radio spectrum in the provision of Licensed Services (the “Commercial Service Date”).



ATTESTATION CLAUSES

Name: PEDRO M. ARIZA

Position: CHAIRMAN

Signature: 



For and on behalf of the
Turks and Caicos Islands Telecommunications Commission

Name: Dellerica Hall

Position: Country Manager

Signature: 

For and on behalf of Cable & Wireless (TCI) Limited

P.A. 