The NATIONAL RADIO SPECTRUM PLAN

ECS 06/2010

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UTILITIES REGULATION & COMPETITION AUTHORITY

Fourth Terrace, Collins Avenue | P.O. Box N-4860 Nassau, Bahamas | T 242.322.4437 | F 242.323.7288

www.urcabahamas.bs

MISSION STATEMENT

“We are committed to achieving sustainable competition and promoting consumer interests, through effective and efficient regulation of utilities and broadcasting services.”

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1 Background to Spectrum Management in The Bahamas

1.1 Overview

The Utilities Regulation and Competition Authority (URCA) publishes the National Radio Spectrum Plan (the Spectrum Plan) in accordance with Section 31 of the Communications Act, 2009 (Comms Act). The Spectrum Plan has received the statutory approval from the Minister. It is consistent with the applicable international treaties and standards including without limitation to those of the International Telecommunications Union (ITU). It specifies those frequency bands that are premium spectrum bands over which the Minister has responsibility for deciding the method of allocating such frequencies. The Minister will also set fees for premium spectrum or prescribe the method by which such fees are set. Standard spectrum frequency bands are in the absolute purview and jurisdiction of URCA and will be allocated and fees set as determined by URCA.

This Spectrum Plan will remain in effect for a period not exceeding three (3) years subsequent to its publication. Within three years of the publication of this Spectrum Plan, URCA will formulate, in consultation with the Minister, and submit to the Minister a revised Spectrum Plan. The Minister may then approve or amend the newly proposed Spectrum Plan within forty-five (45) calendar days of submission by URCA. URCA will subsequently publish a new Spectrum Plan.

The Minister and URCA will ensure that radio spectrum is allocated, managed and used in a manner that is consistent with the policy objectives of radio spectrum management under the Comms Act.

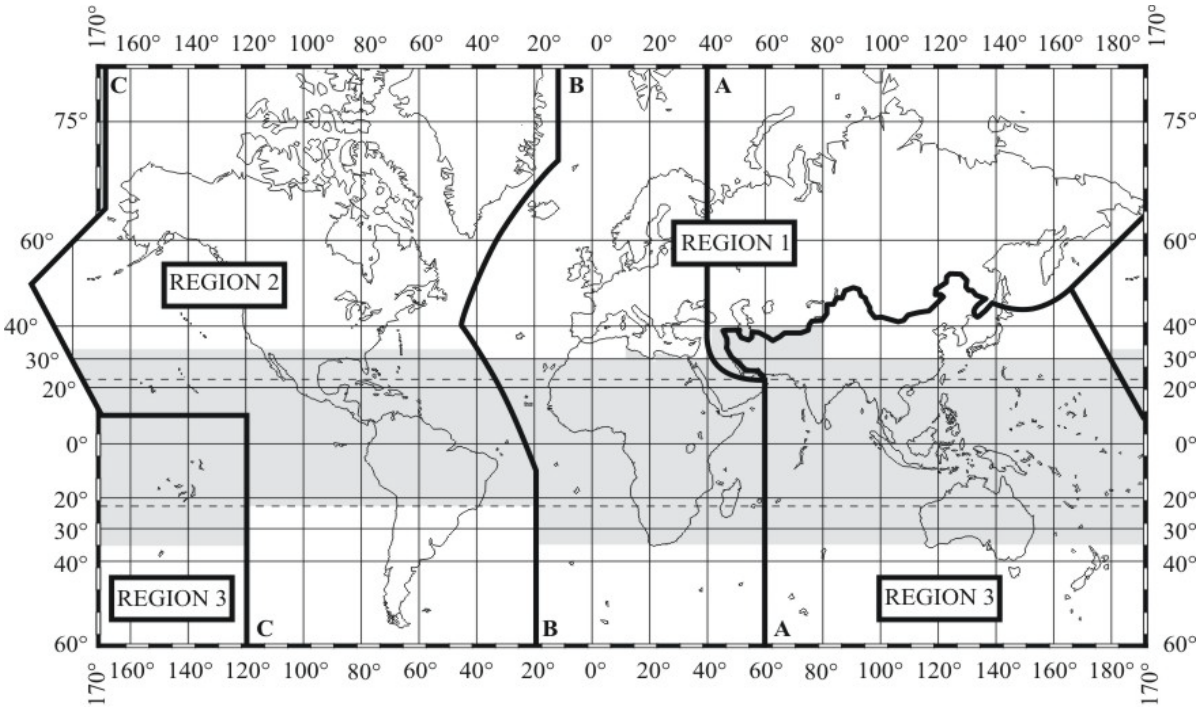
1.2 International Telecommunications Union

The radio spectrum is a finite national resource. Globally, radio spectrum is co-ordinated by International Telecommunications Union (ITU), an agency of the United Nations. The ITU has a range of objectives, one of which is to aid the standardisation of telecommunications equipment, and the frequencies which are used in radio equipment.

To assist this task, the ITU has divided the world into three regions. Within each region, the aim is for countries to harmonise their frequency management. This harmonisation is designed to help ensure that neighbouring countries use the same bands of the radio spectrum for the same purposes. This minimises issues concerning interference between one country and another. Additionally, by creating multi-national regions, the ITU helps manufacturers deliver scale economies by providing them with regionally-defined markets. These scale economies ultimately benefit consumers, by widening supplier choice and lowering purchase prices.

The Bahamas is in ITU Region 2, as shown in the chart below, which includes North and South America and the Pacific (East of the International Date Line). The other ITU regions are: Region 1, which includes Europe, Middle East, Africa, the former Soviet Union, including Siberia; and Mongolia; and Region 3, which includes Asia, Australia and the Pacific Rim (West of the International Date Line).

The ITU's harmonisation is not mandatory, nor does it extend to the specification of the means by which individual territories should allocate or award spectrum. These decisions remain in the hands of individual governments and their agencies.



1.3 Spectrum Regulator in The Bahamas

Radio spectrum in The Bahamas was previously managed by the Public Utilities Commission (PUC). The allocations of spectrum by the PUC were aligned with the overall recommendations for ITU Region 2. This means that allocations for radio spectrum usage in The Bahamas are broadly consistent with those found in the United States and Canada, together with many other jurisdictions in the Caribbean and Latin America.

With the passage in 2009 of both the Comms Act and the Utilities Regulation and Competition Authority Act (URCA Act), URCA has assumed the responsibilities for spectrum management, previously held by the PUC.

Part V of the Comms Act empowers URCA to manage, allocate and assign all frequencies in the radio spectrum of The Bahamas, except for those powers that Section 30[1] vests in the Minister responsible for the electronic communications sector. URCA is to have regard to its obligations and objectives specified in Section 30 when managing, allocating or assigning radio spectrum.

To assist users and other stakeholders in The Bahamas, URCA is required to publish a revised National Spectrum Plan within three years of each publication of a spectrum plan. This document is the first publication of the plan.

Additionally, URCA has published its ECS 15/2009 Guidelines on its website[2] to help operators and applicants assess the type of licence that they require to use spectrum in The Bahamas. URCA's website also includes details of the procedures that will be followed during any public consultation processes.

[1] Section 30 allows the Minister to set fees and allocation methods for Premium spectrum

[2] www.urcabahamas.bs ECS 15/2009: "Guidance On The Licensing Regime Under The Communications Act, 2009"

URCA intends to make use of public consultations to guide its decision making on key areas of regulation, including radio spectrum management.

2 Objectives of the Spectrum Plan

Through the implementation of the National Spectrum Plan, URCA aims to promote the economic and social welfare of The Bahamas and facilitate the introduction of new technologies while affording the optimal use of spectrum throughout the country.

The National Spectrum Plan has been designed to comply with the Government's Electronic Communications Sector Policy and to inform users and other stakeholders of the following key points:

- The efficient management of radio spectrum in The Bahamas throughout the duration of the plan, including the categorisation of spectrum as either "Premium" or "Standard", in line with the Comms Act[3];
- Any aspects of the current spectrum allocation which URCA is considering changing or amending and the likely timing of such changes; and
- The intent to conduct public consultations in connection with proposed changes or amendments.

2.1 Electronic Communications Sector Policy

As mentioned above, the Government of The Bahamas has established an Electronic Communications Sector Policy (Sector Policy)[4]. This document covers a range of topics, but those that URCA considers relevant to the National Spectrum Plan are:

- Promotion of competition;
- Enhancement of efficiency in the electronic communications sector and economic productivity;
- Promotion of the optimal use of state assets, including radio spectrum; and
- Promotion of affordable access to high quality networks and carriage services throughout The Bahamas.

A key component of the objective to promote competition is the full liberalisation of the electronic communications sector. Liberalisation of the telecommunications sector began in 2000 with liberalisation of Internet and data services and partial liberalisation of fixed voice telephony services.

Further liberalisation became effective in mid-October 2009 with the introduction of the new Sector Policy that brought broadcasting (including pay TV and cable TV networks and services) under URCA's responsibility in the Electronic Communications Sector. The fixed voice telephony market was also fully liberalised. The Sector Policy stated that it was the Government's intention to introduce additional competition into the cellular mobile voice telephony market following the completion of the sale of majority shares in the Bahamas Telecommunications Company Ltd. (BTC), to a private investor.

[3] Communications Act 2009, section 31

[4] Full details of this policy can be reviewed at http://www.urcabahamas.bs

URCA envisages that the introduction of the new Sector Policy will expand competition in many electronic communications services, including broadcast, pay TV and cellular mobile services.

2.2 Efficient Spectrum Management

In keeping with the Electronic Communications Sector Policy[5] (ECSP)and the Comms Act, the National Spectrum Plan is designed to ensure that the spectrum is used in the most efficient manner. The principles that URCA follows in efficiently allocating and assigning spectrum include the following:

- Allocating spectrum so that new services may be introduced to the benefit of the economy and the country as a whole;
- Spectrum should be assigned to those uses for which there is the greatest demand;
- Where possible, all persons should be assigned the amount of spectrum necessary to meet their needs;
- Where there is insufficient spectrum to meet current demand, competitive mechanisms may be employed to ensure efficient spectrum use;
- No individual user of spectrum should be assigned more spectrum than is necessary for their needs; and
- Spectrum being used inefficiently may be withdrawn from its current user and reassigned to new applicants.

URCA recognises that to achieve its objective of efficient spectrum use, various parts of the radio spectrum may have to be allocated to specific services and in accordance with the Comms Act, specific spectrum may be categorised as either Premium or Standard[6].

URCA also recognises that the geography of The Bahamas may assist it in the efficient assignment and use of spectrum. URCA sees the potential for spectrum assignments to be made for local purposes, based on the natural boundaries of each island and their respective cays. This permits the use and re-use of frequencies in each service area, providing for a more efficient management of the spectrum. Where appropriate, however, URCA may grant national assignments of spectrum.

URCA has identified some spectrum which it feels may currently not be assigned in the most efficient manner and other spectrum bands that may have to be allocated to new services. Should URCA deem that any re-allocation of this spectrum is required, it will exercise its powers in a manner that is transparent, fair and non-discriminatory so as to minimise uncertainty and confusion amongst all stakeholders.

URCA is aware that a number of jurisdictions (e.g. the USA, the UK) currently permit the trading of spectrum in a secondary market. The Comms Act prohibits the secondary trading of spectrum in this manner. Although the Comms Act[7] provides that URCA may publish rules and regulations relating to the transfer of spectrum rights by a licensee on a permanent or temporary basis to a third party, at this point

[5] Published in the Official Gazette October 7, 2009
[6] Communications Act 2009, Section 30
[7] Communications Act 2009, Section 38

URCA has no firm intention so to do during the life of this Spectrum Plan. However, URCA is aware that the use of spectrum trading is seen by many as a useful way to help ensure the efficient and speedy assignment of spectrum and will continue to monitor and evaluate global trends and the needs of the sector.

2.3 Scope of the plan

This National Spectrum Plan addresses the management of frequencies from the Very Low Frequency (VLF) range as the lower limit and the Extremely High Frequency (EHF) as the upper limit.

The spectrum bands are defined as follows:

• Very Low Frequency	(VLF)	3kHz	to	30kHz
• Low Frequency	(LF)	30kHz	to	300kHz
• Medium Frequency	(MF)	300kHz	to	3MHz
• High Frequency	(HF)	3MHz	to	30MHz
• Very High Frequency	(VHF)	30MHz	to	300MHz
• Ultra High Frequency	(UHF)	300MHz	to	3GHz
• Super High Frequency	(SHF)	3GHz	to	30GHz
• Extremely High Frequency	(EHF)	30GHz	to	300GHz

Each band may be sub-divided so that multiple licences may be granted for exclusive use of a set of frequencies or radio frequency (RF) channels, or a shared use of the set of frequencies or RF channels.

Details of how URCA awards spectrum licences are contained in Section 3.

3 Spectrum Licensing in The Bahamas

URCA is empowered to issue the following types of spectrum licenses:

- Individual Spectrum Licence
- Class Spectrum Licence Requiring Registration
- Class Spectrum Licence Not Requiring Registration
- Spectrum Exemption

The types of licenses and exemption are discussed below and detailed information may be found in the "Guidance on the Licensing Regime under the Communications Act, 2009" (Guidelines ECS 15/2009) on the URCA website[8].

3.1 Individual Spectrum Licence

Under the Comms Act, licence conditions may not unfairly discriminate between licensees and therefore individual licences for a specific type of electronic communications network or service will be in a standard

[8] http://www.urcabahamas.bs

form to the greatest extent possible. However, if a licensee has special rights or obligations the licence may need to have specific conditions[9]. URCA may issue an Individual Spectrum Licence when the applicant requires exclusive use of the spectrum. The licence would be issued for a minimum of five years and may require the operator to hold a valid Individual Operating Licence.

There may be specific sets of conditions attached to the right to use the spectrum related to the operation, technical standards, or the territory to be served.

The quantity of Individual Spectrum Licences to be awarded will only be limited by the amount of spectrum available.

3.2 Class Licenses

URCA may issue Class licences where it is necessary to impose conditions relating to the operation of electronic communications networks or the provision of electronic communications services, but all licensees operating such networks or providing such services will be subject to the same conditions provided there are no special reasons requiring that an individual licence be issued. The licence conditions for a class licence are published on the URCA website[10].

Class licences may either be registered or non-registered. There are two types of registerable and non-registrable class licences: class spectrum licence and class operating licence.

3.2.1 Class Spectrum Licence Requiring Registration

A Class Spectrum Licence Requiring Registration will be issued in cases where spectrum is shared. There would be defined sets of conditions and technical specifications listed on URCA's website for the use of spectrum in this category.

Generally, there would not be any limitation in the quantity of Class Spectrum Licence Requiring Registration to be awarded, except where there may be defined technical considerations.

Breaches of the licence conditions may be enforced under Part XVII of the Comms Act. These class licence conditions may be found on URCA's website along with the ECS 15/2009 Guidelines that provides further clarification.

3.2.2 Class Spectrum Licence Not Requiring Registration

A Class Spectrum Licence Not Requiring Registration would apply when an operator intends to use spectrum that is shared with others, and where URCA does not have any significant regulatory concern. Persons using spectrum under this type of licence are required to adhere to a common set of conditions.

[9] This will be the case if a licensee offering a service or network has been determined to have SMP under Section 39 of the Comms Act (or presumed to have SMP under Section 116) or designated as a universal service provider under Section 42 of the Comms Act (or Schedule 5).

[10] Licensees will not be provided with a copy of the class licence unless they request it from URCA and pay an administrative charge.

These conditions are similar to the class spectrum licence requiring registration, which are published on URCA's website.

Breaches of the licence conditions may be enforced under Part XVII of the Comms Act. These class licence conditions may be found on URCA's website along with the ECS 15/2009 Guidelines that provides further clarification.

3.3 Spectrum Exemption

A Spectrum Exemption would be issued when the spectrum to be used falls under section 17 of the Act, and in accordance with the National Spectrum Plan, for services used by certain groups such as the Royal Bahamas Police Force, the Royal Bahamas Defence Force, providers of emergency services and some use of spectrum on board marine vessels and aircrafts. These are statutory exemptions.

Other use of spectrum by certain low power, short-range devices may also be licence exempt. Such use includes various types of devices such as toys, remote control devices, some WiFi devices such as wireless routers intended for in-home use and Blue tooth devices. The exempt devices would generally be used for self-provision and would carry a certification from an approved jurisdiction. At this time, URCA only accepts the USA FCC Certification.

URCA has adopted the position that certified devices are not to be modified and are used in compliance with the FCC Certification. Not all FCC Certified low power devices are authorized for use in The Bahamas. Persons are required to verify that the frequency and technical specifications comply with URCA's technical standards which will be published and updated from time to time.

4 Premium and Standard Spectrum

The Comms Act contains provision for certain parts of the radio spectrum to be specified as Premium Spectrum. The Comms Act also requires URCA to include in the Spectrum Plan those frequencies which are Premium. The ECSP states that the Government will seek to balance the desire to maximise the revenue from allocating rights to valuable spectrum, which may include Premium Spectrum, with its broader objectives of encouraging investment and innovation.

In keeping with this policy, the Comms Act grants the Minister the powers to decide the allocation method and to set the spectrum fees for Premium Spectrum.

Within the context of this Plan, references to Standard spectrum should be interpreted as any radio spectrum frequencies which have not been specified as Premium. Details of the mechanisms used to specify Premium Spectrum and the frequencies that comprise Premium Spectrum are contained below.

4.1 Premium Spectrum Bands

4.1.1 Characteristics of Premium Spectrum

URCA's specification of Premium Spectrum will consider the following broad characteristics of the spectrum and its potential uses:

- Demand - Sufficient potential licensees have requested, or are likely to request, access to the spectrum, resulting in URCA being unable to fulfil its objective of allocating spectrum to meet the needs of all users.

- Technology - A specific technology can be deployed in the spectrum which would offer new services to consumers in The Bahamas. Technological advances have resulted in the spectrum becoming newly suitable for additional services.

- Competitive Pressures - Use of the spectrum, perhaps in conjunction with technical advances, creates a significant commercial advantage. The spectrum could be used to quickly introduce competition to an existing service offering provided by another licensee.

- Award and Pricing Mechanism - Grants of the spectrum would be made more efficiently through some competitive process, rather than on a first-come, first-served basis with an administrative usage fee schedule.

URCA has considered one or more of these characteristics in its specification of Premium Spectrum. The list should not be considered exhaustive and if it deems it appropriate, URCA may elect to use a number of additional characteristics as part of its specification process.

4.1.2 Specification of Premium Spectrum

URCA has classified the following frequency bands as Premium Spectrum:

GENERAL REFERENCE	FREQUENCY RANGE
850 MHz Band	824.00 to 849.00 MHz 869.00 to 894.00 MHz
1900 MHz Band	1850.00 to 1915.00 MHz 1930.00 to 1995.00 MHz
2100 MHz Band	1710.00 to 1755.00 MHz 2110.00 to 2150.00 MHz
2300 MHz Band	2305.00 to 2320.00 MHz 2345.00 to 2360.00 MHz

The Government and URCA will publish final details on the structure and channelization of the bands at the time when invitations for the granting of licences are issued.

4.1.3 Allocation of Premium Spectrum

The Minister may select what, if any, competitive allocation mechanism that will be used, in advance of the start of the allocation process. URCA will provide reasonable notice to potential applicants and stakeholders of this decision.

Competitive Allocation mechanisms are used to provide an objective and transparent process. Any competitive process will be designed to allocate the spectrum to the best applicant.

Several competitive allocation mechanisms are briefly described below.

- **Best applicant method ("Beauty parade")**

  Allocation is conducted by scoring the applicant against a range of pre-determined and usually published criteria. These criteria typically include:

  - Speed of service launch
  - Range of services offered

- Coverage of geographic area or population
- Tariff levels
- Service quality commitments
- Job creation and knowledge transfer
- Levels of investment
- Technical innovation

The applicant with the highest overall score will be granted the allocation.

- **Auctions**

  Spectrum is assigned to the applicant prepared to pay the highest price for the licence. This applicant values the spectrum more highly than others and should therefore deliver the highest overall benefit to the market from the assignment. Auctions will often specify as a condition that the spectrum must be used to deploy particular services (e.g. Cellular Mobile) or utilise a particular technology (e.g. GSM).

  A range of auction techniques can be used. These include: single-round, sealed bid; ascending ("English") auctions and; descending ("Dutch") auctions.

- **Hybrids**

  Hybrids combine elements of both auction and best applicant methods. Applicants will be scored as in a best applicant allocation, and then given the opportunity to augment their score by participating in an auction (usually a single-round or ascending). Typically, monetary bids are converted into points which are added to the scoring schedule to determine the highest placed applicant.

- **Administered Incentive Pricing (AIP)**

  AIP requires the regulator to specify the fee at which spectrum is to be allocated. The AIP seeks to act as a proxy for a market-based fee e.g. one set by auction. AIP should not be confused with administration charges, which are designed only to cover a regulator's costs of managing spectrum. Often AIP will be set by reference to the opportunity cost of the spectrum e.g. if less spectrum were available and more capital investment required to deploy more base stations and make greater use of limited frequencies, then the level of that capital investment would be the starting point for the AIP.

  AIP can be used to encourage established users of spectrum to make more efficient use of their spectrum, e.g. by moving from analogue to digital equipment, thereby allowing them to return unneeded spectrum allocations to the regulator, in exchange for a lowering of the AIP fees.

  It should be noted that the Comms Act does not require the Minister to use an identical approach or set an identical level of fee for all frequencies or allocations of frequency specified as Premium Spectrum. It is possible therefore that the Minister will decide that different allocation and fee setting approaches should be adopted for different parts of Premium Spectrum.

4.1.4 Premium Spectrum Fees

As specified in the Comms Act, the Minister will prescribe the method for setting Premium Spectrum fees or will set the fees directly. Until such time, existing fees set by URCA in its Fee Schedule are considered appropriate by the Minister.

4.2 Standard Spectrum

All spectrum, other than those bands specified in Section 4.1 as Premium Spectrum, are classified as Standard Spectrum. These bands are allocated to services as shown in the Allocation Table in Section 6.

4.2.1. Specification of Standard Spectrum

The following services are included in the allocation to Standard Spectrum:

- Fixed voice and/or data services
- Mobile services (other than cellular mobile services)
- Trunk radio services
- Paging services
- Broadcast services
    - AM radio
    - FM radio
    - TV
    - Associated studio and remote services
- Backhaul radio link services
- Wireless local loop services
- Broadband data link services
- Point to multi-point fixed voice, data and video services
- Satellite earth station services
- Satellite VSAT station services
    - Fixed, nomadic and temporary
- Fixed stations onboard marine and aeronautical vessels
    - Associated fixed/mobile coast and ground stations
- Amateur radio
- Temporary/experimental stations

It is worth mentioning that some of these services could be delivered using Premium Spectrum.

The Allocation Table also provides details of the service allocations specified by URCA, which are referenced against the ITU Region 2 Recommendation.

It is noted that there may be some spectrum bands which are not currently allocated to any specific services. URCA has the exclusive right[11] to allocate these to specific services as the need arises. Any such

[11] Communications Act 2009, section 29

allocations would be made in accordance with the Comms Act and would take into account all relevant ITU Recommendations.

4.2.2. Allocation of Standard Spectrum

Standard Spectrum will be licensed to users on a "first come, first served" basis where suitable applicants will be granted licences for the spectrum until such time as there is no more spectrum available to licence. URCA believes that this approach is both quick and administratively efficient. Any application for Standard Spectrum need only be examined to confirm that the applicant is a fit and proper person and has satisfied the necessary criteria.

The Comms Act requires that URCA revise the National Spectrum Plan at least every three years[12]. Revisions to the plan will obviously take into account developments in both the market and technology. Consequently, URCA may change the specification of certain spectrum from "Standard" to "Premium", and vice versa, in line with market developments and technological changes. URCA may also specify the use of competitive allocation methods, as identified in Section 5.1.3 below, for Standard Spectrum.

URCA recognises that there is a need to provide clear regulatory guidance to users of spectrum, so that they can plan and invest appropriately. However, there is at the same time a requirement on URCA to ensure that spectrum is managed efficiently.

This may mean that, as markets and technologies develop it could become inappropriate to continue with the existing Standard Spectrum fees and allocation methods. This is considered particularly to be the case when allowing existing users of spectrum to continue to pay existing fees would place them at an advantage over those newer users who would otherwise be required to pay a higher price for a similar allocation.

Where it is clear that demand has significantly increased or spectrum bands have become congested and subsequently is in short supply, URCA will consider the continuing appropriateness of "first come, first served" licensing procedure. The change in demand for Standard Spectrum may result in URCA asking existing users to pay increased fees or to vacate the spectrum. Spectrum vacation and re-farming are discussed in Section 5.

4.2.3. Standard Spectrum Fees

URCA intends generally to charge for Standard Spectrum on a fixed fee basis, according to the respective spectrum band and amount of spectrum within that band which is licensed.

The fees for Standard Spectrum are detailed in the Fee Schedule published by URCA on its website and such Fee Schedule may, from time to time, be revised or amended.

[12] Communications Act 2009, section 31 (4)

The fixed fee for Standard Spectrum in each band would be set according to a range of parameters including:

- Bandwidth
- The location of the frequencies in the radio spectrum
- Propagation characteristics of the frequency band
- Size and population density of the service area
- Type of services to be provided
- Amount of spectrum available in the band

URCA has set the fees for Standard Spectrum to encourage its efficient use. URCA believes that its fees will not deter those who wish to make use of the spectrum at present. However, the fees, as set, should act as a deterrent to those seeking to acquire spectrum speculatively, without any genuine intention of bringing new and innovative services to the marketplace.

The fee structure for shared spectrum, allocated by Class Licences, will be set at a nominal or zero level. Where spectrum is assigned for the exclusive use of a licensee, then accordingly this will attract a higher fee.

Should URCA decide that particular spectrum bands are becoming too congested and the supply of available spectrum for new users is therefore diminishing, it may decide to award standard spectrum licences using some form of competitive process.

Benchmarking of Standard Spectrum Fees

URCA posted a Fee Schedule: ECS 12/2009 on its website that deleted the Transitional Application Fee and replaced it with an Application/Administrative fee. It also showed the legacy fee structure used by the PUC. This fee schedule will be replaced with a new schedule that is being developed following the analysis of a comprehensive benchmarking exercise that examined the fees charged by the PUC for similar frequencies in a range of international territories.

The objective of this benchmarking exercise was to identify any anomalies in either, or both, URCA's allocation processes or fees. URCA is satisfied that its new Standard Fee Schedule will be aligned with international leading practice; the Government's Sector Policy; and the requirements of the Comms Act. It will address any anomalies: between fees per territory versus national spectrum use; and fees for bandwidth across spectrum bands.

The new spectrum fee schedule is planned to be published by 30 June 2010 so as to become effective 1 January 2011.

5 Re-farming of Frequencies

URCA recognises that to meet its obligation to efficiently manage radio spectrum in The Bahamas that it may be necessary to review the existing use or allocation of certain parts of the spectrum and to change that use to one which is considered more efficient. Changing assignments in this manner is often referred to as "re-farming".

There is generally one of three reasons why re-farming proves necessary:

- To comply with or conform to international treaties, commitments or standards. International spectrum allocations such as those recommended by the ITU, as described in Section 1.1 above, may change. Consequently, re-farming is required to bring a local jurisdiction into line with its respective ITU Region.

- Demand for services that the original allocation of spectrum was designed to support has not developed as initially forecast. Consequently, less spectrum is needed to support those services and the overall allocation is under-utilised as a result. Continuing with the original allocation would be inefficient and re-farming is therefore necessary.

- Similarly, new technologies have developed (e.g. digital radio) which make more efficient use of the spectrum, while still supporting the same services. Efficient spectrum management would require that the users be encouraged to adopt the new technology, if not already doing so. The spectrum released by the adoption of new technology would then be available for other uses and re-farmed.

Should URCA find it necessary to vacate an existing frequency assignment, due consideration will be given to any investments already made by licensees to establish the network required to utilise the allocated frequencies and discharge any obligations which may be included in a licence related to the existing frequencies.

Notwithstanding the above, URCA recognises that its obligation remains to efficiently manage the radio spectrum[13]. Should re-farming lead to the revocation of an existing allocation of spectrum, this may be made by determination, with or without compensation to the existing holder of the allocation[14]. A determination would be reached after a consultation process, in line with Section 100 of the Comms Act. URCA intends that due consideration would be given to allow licensees sufficient time to migrate to other frequencies where possible. .

As part of any re-farming exercise, URCA may decide to cease issuing new spectrum licences in a specified band, even though there may still be unassigned frequency slots. Alternatively, URCA may continue to issue licences in such bands, but may limit the term of the licence. Both of these policies are designed to allow URCA to consider an orderly migration of users to alternative frequencies. This would potentially be harder to achieve if additional licensees were allocated frequencies which may be re-farmed.

[13] Communication Act, section 32(1) (b)
[14] Communications Act, section 36 & 37

If re-farming results in a change in the fee charged for the spectrum, an existing licensee who is not being asked to vacate its frequencies may be required to pay the new spectrum fees. Similarly, if re-farming necessitates that a user vacates the frequencies and re-locates to other frequencies, it may be required to pay the fees associated with its allocation of those new frequencies.

6 The Spectrum Allocation Table

The radio spectrum is divided into bands of frequencies to which various types of services are allocated. These services are allocated in accordance with ITU Recommendations to ensure compatibility with allocations in Region 2 for the harmonization of services and to minimize adjacent country interference issues.

The spectrum allocation table shows the allocation of the services to spectrum bands for The Bahamas. The table below is the core document used in spectrum planning and assignment by URCA and shows service allocations defined as Primary Services and Secondary Services. The table also shows frequencies and bands of frequencies that are designated as Premium Spectrum, Standard Spectrum and un-Allocated Spectrum.

Primary Services are indicated in the table as those printed in “capital letters”; i.e. BROADCASTING would designate that the particular frequency band has been allocated to broadcasting on a primary basis.

Secondary Services are indicated in the table as those printed in “normal case”; i.e. Mobile would designate that the particular frequency band has been allocated to mobile services on a secondary basis.

For example: in the frequency range 174 to 216 MHz, services are allocates as follows:

- BROADCASTING
- Fixed
- Mobile

Hence, broadcasting is allocated on a primary basis and fixed and mobile services are on a secondary basis.

The stations using spectrum for services on a secondary basis:

1. shall not cause harmful interference to stations of primary service to which frequencies are already assigned or to which frequencies may be assigned at a later date;
2. cannot claim protection from harmful interference from stations of a primary service to which frequencies are already assigned or may be assigned at a later date;
3. can claim protection, however, from harmful interference from stations of the same or other secondary services(s) to which frequencies may be assigned at a later date.

Bahamas Foot Notes

Bah#1 Spectrum bands above the 300 GHz frequency range are all classified as Standard Spectrum.

Bah#2 URCA will make allocation to services in these spectrum bands on a case-by-case basis.

Bah#3 Cellular mobile services are allocated to bands specifically classified for the service. Mobile services are not to be considered as cellular services.

Bah#4 These mobile services are dispatch type services.

Bah#5 These spectrum bands are allocated to point to multipoint broadband services. Mobility is permitted as long as there is no handover of services between base stations.

Bah#6 Exempt for specific spread spectrum, low power, point to point and point to multipoint applications.

Bah#7 This band has been re-classified as Premium Spectrum.

Bah#8 Cellular mobile services are prohibited.

	Standard Spectrum. Essentially un-assigned. Allocation to services to be made.
	Standard Spectrum. Some frequency assignments.
	Standard Spectrum. Available for assignments with some restrictions.
	Premium Spectrum.

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
Below 9kHz		Not Allocated	**Bah#2**	Standard Spectrum
9-14kHz	**kHz**	RADIONAVIGATION	**RADIONAVIGATION**	Standard Spectrum
14-19.95	**kHz**	FIXED MARITIME MOBILE 5.57 5.55 5.56		Standard Spectrum
19.95-20.05	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (20kHz)	**Reserved**	Standard Spectrum
20.05-70	**kHz**	FIXED MARITIME MOBILE 5.57 MARITIME RADIO NAVIGATION 5.60 Radiolocation	**Bah#2**	Standard Spectrum
90-110	**kHz**	RADIONAVIGATION 5.62 Fixed 5.64	**RADIONAVIGATION** **Bah#2**	Standard Spectrum
110-130	**kHz**	FIXED MARITIME MOBILE MARITIME RADIO NAVIGATION 5.60 Radiolocation 5.61 5.64	**FIXED** **MARITIME MOBILE** **MARITIME RADIO NAVIGATION** **Radiolocation** **Bah#2**	Standard Spectrum
130-160	**kHz**	FIXED MARITIME MOBILE 5.64	**Bah#2**	Standard Spectrum
160-190	**kHz**	FIXED	**Bah#2**	Standard Spectrum
190-200	**kHz**	**AERONAUTICAL RADIONAVIGATION**	**AERONAUTICAL RADIONAVIGATIONAL**	Standard Spectrum
200-275	**kHz**	AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritime radionavigation (radiobeacons)	**AERONAUTICAL RADIONAVIGATION** **Aeronautical mobile** **Maritime radionavigation (radiobeacons)** **Bah#2**	Standard Spectrum
285-315	**kHz**	AERONAUTICAL RADIONAVIGATION	**AERONAUTICAL RADIONAVIGATION**	

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		MARITIME RADIONAVIGATION (radiobeacons) 5.73	**MARITIME RADIONAVIGATION (radiobeacons)**	Standard Spectrum
315-325	**kHz**	MARITIME RADIONAVIGATION (radiobeacons) 5.73	**MARITIME RADIONAVIGATION (radiobeacons)**	Standard Spectrum
325-335	**kHz**	AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritime radionavigation (radiobeacons)	**AERONAUTICAL RADIONAVIGATION** **Aeronautical mobile** **Maritime radionavigation (radiobeacons)**	Standard Spectrum
335-405	**kHz**	AERONAUTICAL RADIONAVIGATION Aeronautical mobile	AERONAUTICAL RADIONAVIGATION Aeronautical mobile	Standard Spectrum
405-415	**kHz**	RADIONAVIGATION 5.76 Aeronautical Mobile	RADIONAVIGATION Aeronautical Mobile	Standard Spectrum
415-495	**kHz**	MARITIME MOBILE 5.79 5.79A Aeronautical radionavigation 5.80 5.77 5.78 5.82	MARITIME MOBILE Aeronautical radionavigation	Standard Spectrum
495-505	**kHz**	MOBILE (distress and calling) 5.83	MOBILE (distress and calling)	Standard Spectrum
505-510	**kHz**	MARITIME MOBILE 5.79	MARITIME MOBILE	Standard Spectrum
510-525	**kHz**	MOBILE 5.79A 5.84 AERONAUTICAL RADIONAVIGATION	MOBILE AERONAUTICAL RADIONAVIGATION	Standard Spectrum
525-535	**kHz**	BROADCASTING 5.86 AERONAUTICAL RADIONAVIGATION	**BROADCASTING** AM Radio	Standard Spectrum
535-1605	**kHz**	BROADCASTING		
1625-1705	**kHz**	FIXED MOBILE BROADCASTING 5.89 Radiolocation 5.90		
1705-1800	**kHz**	FIXED MOBILE RADIOLOCATION AERONAUTICAL RADIONAVIGATION	**FIXED** **MOBILE** **RADIOLOCATION** **AERONAUTICAL RADIONAVIGATION** **Bah#2 Bah#8**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
1800-1850	**kHz**	AMATEUR	**AMATEUR**	Standard Spectrum
1850-2000	**kHz**	AMATEUR FIXED MOBILE except aeronautical mobile RADIOLOCATION RADIONAVIGATION 5.102	**AMATEUR** **FIXED** **MOBILE except aeronautical mobile** **RADIOLOCATION** **RADIONAVIGATION** **Bah#2 Bah#8**	Standard Spectrum
2000-2065	**kHz**	FIXED MOBILE	**FIXED** **MOBILE** **Bah#2 Bah#8**	Standard Spectrum
2065-2173.5	**kHz**	MARITIME MOBILE	**MARITIME MOBILE**	Standard Spectrum
2173.5-2190.5	**kHz**	MOBILE (distress and calling) 5.108 5.109 5.110 5.111	**MOBILE (distress and calling)**	Standard Spectrum
2190.5-2194	**kHz**	MARITIME MOBILE	**MARITIME MOBILE**	Standard Spectrum
2194-2300	**kHz**	FIXED MOBILE BROADCASTING 5.113	**FIXED** **MOBILE**	Standard Spectrum
2300-2495	**kHz**	FIXED MOBILE BROADCASTING 5.113	**BROADCASTING** **Bah#2 Bah#8**	
2495-2495	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (2500kHz)	**Reserved**	Standard Spectrum
2495-2501	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL	**Reserved**	Standard Spectrum
2501-2502	**kHz** **kHz**	STANDARD FREQUENCY AND TIME SIGNAL Space Research	**Reserved**	Standard Spectrum
2502-2502.5	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL	**Reserved**	Standard Spectrum
2502-2505	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL	**Reserved**	Standard Spectrum
2505-2850	**kHz**	FIXED MOBILE	**FIXED** **MOBILE** **Bah#2 Bah#8**	Standard Spectrum
2805-3025	**kHz**	AERONAUTICAL MOBILE (R) 5.111 5.115	AERONAUTICAL MOBILE (R)	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
3025-3155	**kHz**	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Standard Spectrum
3155-3200	**kHz**	FIXED MOBILE except aeronautical mobile (R)	**FIXED** **MOBILE** except aeronautical mobile **Bah#2 Bah#8**	Standard Spectrum
3200-3230	**kHz**	FIXED MOBILE except aeronautical mobile (R) BROADCASTING 5.113 5.116	**FIXED** **MOBILE** **BROADCASTING** **Bah#2 Bah#8**	Standard Spectrum
3230-3400	**kHz**	FIXED MOBILE except aeronautical mobile BROADCASTING 5.113 5.116 5.118	**FIXED** **MOBILE** except aeronautical mobile **Broadcasting** **Bah#2 Bah#8**	Standard Spectrum
3400-3500	**kHz**	AERONAUTICAL MOBILE(R)	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
3500-3750	**kHz** **kHz**	AMATEUR 5.119	**AMATEUR**	Standard Spectrum
3750-4000	**kHz**	AMATEUR FIXED MOBILE except aeronautical mobile (R) 5.122 5.125	**AMATEUR** **FIXED** **MOBILE** except aeronautical mobile **Bah#2 Bah#8**	Standard Spectrum
4000-4063	**kHz**	FIXED MARITIME MOBILE 5.127 5.126	**FIXED** **MARITIME MOBILE** **Bah#2 Bah#8**	Standard Spectrum
4063-4438	**kHz** **kHz**	MARITIME MOBILE 5.79A 5.109 5.110 5.130 5.131 5.132 5.128 5.129	**MARITIME MOBILE** **Bah#8**	Standard Spectrum
4438-4650	**kHz**	FIXED MOBILE except aeronautical (R)	**FIXED** **MOBILE except aeronautical** **Bah#2 Bah#8**	Standard Spectrum
4650-4700	**kHz**	AERONAUTICAL MOBILE (R)	**AERONAUTICAL MOBILE** **Bah#8**	Standard Spectrum
4700-4750	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE** **Bah#8**	Standard Spectrum
4750-4850	**kHz**	FIXED MOBILE except aeronautical mobile (R)	**FIXED** **MOBILE** except aeronautical mobile (R)	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		BROADCASTING 5.113	**BROADCASTING Bah#2 Bah#8**	
4850-4995	**kHz**	FIXED LAND MOBILE BROADCASTING 5.113	**FIXED** **LAND MOBILE** **BROADCASTING Bah#2 Bah#8**	Standard Spectrum
4995-5003	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)	**Reserved**	Standard Spectrum
5003-5005	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL Space research	**Reserved**	Standard Spectrum
5005-5060	**kHz**	FIXED BROADCASTING 5.113	**FIXED** **BROADCASTING Bah#2 Bah#8**	Standard Spectrum
5060-5250	**kHz**	FIXED Mobile except aeronautical mobile 5.133	**FIXED** **Mobile** except aeronautical mobile **Bah#2 Bah#8**	Standard Spectrum
5250-5450	**kHz**	FIXED MOBILE except aeronautical mobile	**FIXED** **MOBILE** except aeronautical mobile **Bah#2 Bah#8**	Standard Spectrum
5450-5480	**kHz**	AERONAUTICAL MOBILE (R) 5.111 5.115	**AERONAUTICAL MOBILE**	Standard Spectrum
5480-5680	**kHz**	AERONAUTICAL MOBILE (R) 5.111 5.115	**AERONAUTICAL MOBILE (R)**	**Strandard Spectrum**
5680-5730	**kHz**	AERONAUTICAL MOBILE (OR) 5.111 5.115	**AERONAUTICAL MOBILE (OR) Bah#8**	Standard Spectrum
5730-5900	**kHz**	FIXED MOBILE except for aeronautical mobile (R)	**FIXED MOBILE** except for aeronautical mobile **Bah#2 Bah#8**	
5900-5950	**kHz**	BROADCASTING 5.134 5.136	**BROADCASTING Bah#2**	Standard spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
5950-6200	**kHz**	BROADCASTING	**BROADCASTING Bah#2**	Standard Spectrum
6200-6525	kHz	MARITIME MOBILE 5.109 5.110 5.130 5.132 5.137	**MARITIME MOBILE**	Standard Spectrum
6525-6685	**kHz**	AERONAUTICAL MOBILE (R) 5.111 5.115	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
6685-6765	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE (OR)**	Standard Spectrum
6765-7000	**kHz**	FIXED Land mobile 5.139 5.138	**FIXED** Land mobile **Bah#2 Bah#8**	Standard Spectrum
7000-7100	**kHz**	AMATEUR AMATEUR-SATELLITE 5.140 5.141	**AMATEUR** **AMATEUR-SATELLITE**	Standard Spectrum
7100-7300	**kHz**	AMATEUR 5.142	**AMATEUR**	Standard Spectrum
7300-7350	**kHz**	BROADCASTING 5.134 5.143	**BROADCASTING Bah#2**	Standard Spectrum
7350-8100	**kHz**	FIXED Land mobile 5.144	**FIXED** **LAND MOBILE Bah#2** **Bah#8**	Standard Spectrum
8100-8195	**kHz**	FIXED MARITIME MOBILE	**FIXED** **MARITIME MOBILE Bah#2**	Standard Spectrum
8195-8815	**kHz**	MARITIME MOBILE 5.109 5.110 5.132 5.145 5.111	**MARITIME MOBILE**	Standard Spectrum
8815-8965	**kHz**	AERONAUTICAL MOBILE (R)	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
8965-9040	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE (OR)**	Standard Spectrum
9040-9400	**kHz**	FIXED	**FIXED Bah#2**	Standard Spectrum
9400-9500	**kHz**	BROADCASTING 5.134 5.146	**BROADCASTING Bah#2**	Standard Spectrum
9500-9900	**kHz**	BROADCASTING 5.147	**BROADCASTING Bah#2**	Standard Spectrum
9900-9995	**kHz**	FIXED	**FIXED Bah#2**	Standard Spectrum
9995-10003	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (10000kHz) 5.111	**Reserved**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
10003-10005	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	**Reserved**	Standard Spectrum
10005-10100	**kHz**	AERONAUTICAL MOBILE (R) 5.111	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
10100-10150	**kHz**	FIXED Amateur	**FIXED** **Amateur**	Standard Spectrum
10150-11175	**kHz**	FIXED Mobile except aeronautical mobile (R)	**FIXED** **Mobile** except aeronautical mobile **Bah#8**	Standard Spectrum
11175-11275	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE (OR)**	Standard Spectrum
11275-11400	**kHz**	AERONAUTICAL MOBILE (R)	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
11400-11600	**kHz**	FIXED	**FIXED**	Standard Spectrum
11600-11650	**kHz**	BROADCASTING 5.134 5.146	**BROADCASTING**	Standard Spectrum
11650-12050	**kHz**	BROADCASTING 5.147		Standard Spectrum
12050-12100	**kHz**	BROADCASTING 5.134 5.146		Standard Spectrum
12100-12230	**kHz**	FIXED	**FIXED**	Standard Spectrum
12230-13200	**kHz**	MARITIME MOBILE 5.109 5.110 5.132 5.145	**MARITIME MOBILE**	Standard Spectrum
13200-13260	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE (OR)**	Standard Spectrum
13260-13360	**kHz**	AERONAUTICAL MOBILE (R)	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
13360-13410	**kHz**	FIXED RADIO ASTRONOMY 5.149	**FIXED** **Bah#2**	Standard Spectrum
13410-13570	**kHz**	FIXED MOBILE except aeronautical mobile ® 5.151	**FIXED** **MOBILE** except aeronautical mobile **Bah#8**	Standard Spectrum
13570-13600	**kHz**	BROADCASTING 5.134 5.151		Standard Spectrum
13600-13800	**kHz**	BROADCASTING	**BROADCASTING**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
13800-13870	**kHz**	BROADCASTING 5.134 5.151		Standard Spectrum
13870-14000	**kHz**	FIXED Mobile except aeronautical mobile (R)	**FIXED** **Mobile** except aeronautical mobile **Bah#8**	Standard Spectrum
14000-14250	**kHz**	AMATEUR AMATEUR-SATELLITE	**AMATEUR** **AMATEUR-SATELLITE**	Standard Spectrum
14250-14350	**kHz**	AMATEUR 5.152	**AMATEUR**	Standard Spectrum
14350-14990	**kHz**	FIXED Mobile except aeronautical (R)	**FIXED** **Mobile** except aeronautical ® Bah#8	Standard Spectrum
14990-15005	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (15000kHz) 5.111	**Reserved**	Standard Spectrum
15005-15010	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL Space research	**Reserved**	Standard Spectrum
15010-15100	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE (OR)**	Standard Spectrum
15100-15600	**kHz**	BROADCASTING 5.134 5.146	**BROADCASTING**	Standard Spectrum
15600-15800	**kHz**	BROADCASTING 5.134 5.146		Standard Spectrum
15800-16360	**kHz**	FIXED 5.153	**FIXED**	Standard Spectrum
16360-17410	**kHz**	MARITIME MOBILE 5.109 5.110 5.132 5.145	**MARITIME MOBILE**	Standard Spectrum
17410-17480	**kHz**	FIXED	**FIXED**	Standard Spectrum
17480-17550	**kHz**	BROADCASTING 5.134 5.146	**BROADCASTING**	Standard Spectrum
17550-17900	**kHz**	BROADCASTING		Standard Spectrum
17900-17970	**kHz**	AERONAUTICAL MOBILE (R)	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
17970-18030	**kHz**	AERONAUTICAL MOBILE (OR)	**AERONAUTICAL MOBILE (OR)**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
18030-18052	**kHz**	FIXED	**FIXED**	Standard Spectrum
18052-18068	**kHz**	FIXED Space research	**FIXED**	Standard Spectrum
18068-18168	**kHz**	AMATEUR AMATEUR SATELLITE 5.154	**AMATEUR** **AMATEUR SATELLITE**	Standard Spectrum
18168-18780	**kHz**	FIXED Mobile except aeronautical mobile	**FIXED**	Standard Spectrum
18780-18900	**kHz**	MARITIME MOBILE	**MARITIME MOBILE**	Standard Spectrum
18900-19020	**kHz**	BROADCASTING 5.134 5.146	**BROADCASTING**	Standard Spectrum
19020-19680	**kHz**	FIXED	**FIXED**	Standard Spectrum
19680-19800	**kHz**	MARITIME MOBILE 5.132	**MARITIME MOBILE**	Standard Spectrum
19800-19990	**kHz**	FIXED	**FIXED**	Standard Spectrum
19990-19995	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	**Reserved**	Standard Spectrum
19995-20010	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (20000kHz) 5.111	**Reserved**	Standard Spectrum
20010-21000	**kHz**	FIXED Mobile	**FIXED** **Mobile** **Bah#8**	Standard Spectrum
21000-21450	**kHz**	AMATEUR AMATEUR SATELLITE	**AMATEUR** **AMATEUR SATELLITE**	Standard Spectrum
21450-21850	**kHz**	BROADCASTING	**BROADCASTING**	Standard Spectrum
21850-21870	**kHz**	FIXED 5.155A 5.155	**FIXED**	Standard Spectrum
21870-21924	**kHz**	FIXED 5.155B	**FIXED**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
21924-22000	**kHz**	AERONAUTICAL MOBILE (R)	**AERONAUTICAL MOBILE (R)**	Standard Spectrum
22000-22855	**kHz**	MARITIME MOBILE 5.132 5.156	**MARITIME MOBILE**	Standard Spectrum
22855-23000	**kHz**	FIXED 5.156	**FIXED**	Standard Spectrum
23000-23200	**kHz**	FIXED Mobile except aeronautical mobile 5.156	**FIXED** **Mobile** except aeronautical mobile **Bah#8**	Standard Spectrum
23100-23350	**kHz**	FIXED 5.156A AERONAUTICAL MOBILE (OR)	**FIXED** **AERONAUTICAL MOBILE**	Standard Spectrum
23350-24000	**kHz**	FIXED MOBILE except aeronautical mobile 5.157	**FIXED** **MOBILE** except aeronautical mobile **Bah#8**	Standard Spectrum
24000-24890	**kHz**	FIXED LAND MOBILE	**FIXED** **LAND MOBILE** **Bah#8**	Standard Spectrum
24890-24990	**kHz**	AMATEUR AMATEUR SATELLITE	**AMATEUR** **AMATEUR SATELLITE**	Standard Spectrum
24990-25005	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL (25000kHz)	**Reserved**	Standard Spectrum
25005-25010	**kHz**	STANDARD FREQUENCY AND TIME SIGNAL Space research	**Reserved**	Standard Spectrum
25010-25070	**kHz**	FIXED MOBILE except aeronautical mobile	**FIXED** **MOBILE** except aeronautical mobile	Standard Spectrum
25070-25210	**kHz**	MARITIME MOBILE	**MARITIME MOBILE**	Standard Spectrum
25210-25550	**kHz**	FIXED MOBILE except aeronautical mobile	**FIXED** **MOBILE** except aeronautical mobile Bah#8	Standard Spectrum
25550-25670	**kHz**	RADIO ASTRONOMY 5.149	**Bah#2**	Standard Spectrum
25670-26100	**kHz**	BROADCASTING	**BROADCASTING**	Standard Spectrum
26100-26175	**kHz**	MARITIME MOBILE 5.132	**MARITIME MOBILE**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
26175-27500	**kHz**	FIXED MOBILE except aeronautical mobile 5.15	**FIXED** **MOBILE except aeronautical mobile Bah#8**	Standard Spectrum
27.5-28 MHz	**MHz**	METROLOGICAL AIDS FIXED MOBILE	**METROLOGICAL AIDS** **FIXED** **MOBILE Bah#8**	Standard Spectrum
28-29.7	**MHz**	AMATEUR AMATEUR SATELLITE	**AMATEUR** **AMATEUR SATELLITE**	Standard Spectrum
29.7-30.005	**MHz**	FIXED MOBILE	**FIXED** **MOBILE Bah#8**	Standard Spectrum
30.005-30.01	**MHz**	SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
30.01-37.5	**MHz**	FIXED MOBILE	**FIXED**	Standard Spectrum
37.5-38.25	**MHz**	FIXED MOBILE Radio astronomy 5.149	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum Spectrum
38.25-39.986	**MHz**	FIXED MOBILE	**FIXED** **MOBILE Bah#8**	Standard Spectrum
39.986-40.02	**MHz**	FIXED MOBILE Space research	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
40.02-40.98	**MHz**	FIXED MOBILE 5.15	**FIXED** **MOBILE Bah#8**	Standard Spectrum
40.98-41.015	**MHz**	FIXED MOBILE Space research 5.160 5.161	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
41.015-44	**MHz**	FIXED MOBILE 5.160 5.161	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
44-47	**MHz**	FIXED MOBILE 5.162 5.162A	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
47-50	**MHz**	FIXED MOBILE	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
50-54	**MHz**	AMATEUR 5.162A 5.166 5.167 5.170	**AMATEUR**	Standard Spectrum
54-68	**MHz**	BROADCASTING Fixed Mobile 5.173	**BROADCASTING** Television	Standard Spectrum
68-72	**MHz**	BROADCASTING Fixed Mobile 5.173		
72-73	**MHz**	FIXED MOBILE	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
73-74.6	**MHz**	RADIO ASTRONOMY 5.178	**RADIO ASTRONOMY** **Bah#2**	Standard Spectrum
74.6-74.8	**MHz**	FIXED MOBILE	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
74.8-75.2	**MHz**	AERONAUTICAL RADIONAVIGATION 5.180 5.181	**AERONAUTICAL RADIONAVIGATION**	Standard Spectrum
75.2-75.4	**MHz**	FIXED MOBILE 5.179	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
75.4-76	**MHz**	FIXED MOBILE	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
76-88	**MHz**	BROADCASTING Fixed Mobile 5.185	**BROADCASTING** Television	Standard Spectrum
88-100	**MHz**	BROADCASTING	**BROADCASTING** FM Radio	Standard Spectrum
100-108	**MHz**	BROADCASTING 5.192 5.194		
108-117.975	**MHz**	AERONAUTICAL RADIONAVIGATION	**AERONAUTICAL RADIONAVIGATION**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.197		
117.975-137	**MHz**	AERONAUTICAL MOBILE (R) 5.111 5.198 5.199 5.200 5.201 5.202 5.203 5.203A 5.203B	**AERONAUTICAL MOBILE**	Standard Spectrum
137-137.025	**MHz**	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeroautical mobile (R) 5.204 5.205 5.206 5.207 5.208	**Mobile** except aeroautical mobile **Mobile** except aeroautical mobile (R) **Bah#2 Bah#8**	Standard Spectrum
137.025-137.175	**MHz**	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile satellite (space to Earth) 5.208A 5.209 Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	**Fixed** **Mobile** except aeronautical mobile **Bah#2 Bah# 8**	Standard Spectrum
137.175-137.825	**MHz**	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)	**Fixed** **Mobile** except aeronautical mobile	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.204 5.205 5.206 5.207 5.208	**Bah#2 Bah#8**	
137.825-138	**MHz**	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) 5.208A 5.209 Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	 **Fixed** **Mobile** except aeronautical mobile (R) **Bah#2 Bah#8**	Standard Spectrum
138-143.6	**MHz**	FIXED MOBILE RADIOLOCATION SPACE RESEARCH (space-to-Earth)	**FIXED** **MOBILE** **RADIOLOCATION** **Bah#2 Bah#8**	Standard Spectrum
143.6-143.65	**MHz**	FIXED MOBILE RADIOLOCATION SPACE RESEARCH (space-to-Earth)	**FIXED** **MOBILE** **RADIOLOCATION** **Bah#8**	Standard Spectrum
143.65-144	**MHz**	FIXED MOBILE RADIOLOCATION Space research (space-to-Earth)	 **FIXED** **MOBILE** **Bah#8**	Standard Spectrum
144-146	**MHz**	AMATEUR AMATEUR SATELLITE 5.216	**AMATEUR** **AMATEUR SATELLITE** **AMATEUR**	Standard Spectrum
146-148	**MHz**	AMATEUR 5.217	**AMATEUR**	Standard Spectrum
148-149.9	**MHz**	FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209	**FIXED** **MOBILE**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.218 5.219 5.221	**Bah#8**	
149.9-150.05	**MHz**	Mobile satellite (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.224B 5.220 5.222 5.223	**Mobile satellite (Earth-to-space)** **RADIONAVIGATION-SATELLITE**	Standard Spectrum
150.05-156.7625	**MHz**	FIXED MOBILE 5.225 5.226 5.227		
156.7625-156.8375	**MHz**	MARITIME MOBILE (distress and calling) 5.111 5.226	**MARITIME MOBILE** (distress and calling)	Standard Spectrum
156.8375-174	**MHz**	FIXED MOBILE 5.226 5.230 5.231 5.232		
174-216	**MHz**	BROADCASTING Fixed Mobile 5.234	**BROADCASTING** Television	Standard Spectrum
216-220	**MHz**	FIXED MARITIME MOBILE Radiolocation 5.241 5.242	**216 to 218** **MARITIME, coast** **218 to 219 FIXED** **219 TO 220 MARITIME MOBILE, AMTS, ship**	Standard Spectrum
220-225	**MHz**	AMATEUR FIXED MOBILE Radiolocation 5.241	**220 to 222 FIXED** **222 to 225 AMATEUR** **225 TO 400**	Standard Spectrum
225-235	**MHz**	FIXED MOBILE	**FIXED**	Standard Spectrum
235-267	**MHz**	FIXED MOBILE 5.111 5.199 5.252 5.254 5.256	**MOBILE**	Standard Spectrum
267-272	**MHz**	FIXED MOBILE SPACE OPERATION (space-to-Earth) 5.254 5.257	**AERONAUTICAL**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
272-273	**MHz**	SPACE OPERATION (space-to-Earth) FIXED MOBILE 5.254		Standard Spectrum
273-312	**MHz**	FIXED MOBILE 5.254		Standard Spectrum
312-315	**MHz**	FIXED MOBILE Mobile-satellite (Earth-to-space) 5.254 5.255		Standard Spectrum
315-322	**MHz**	FIXED MOBILE 5.254		Standard Spectrum
322-328.6	**MHz**	FIXED MOBILE RADIO ASTRONOMY 5.149		Standard Spectrum
328.6-335.4	**MHz**	AERONAUTICAL NAVIGATION 5.258 5.259		Standard Spectrum
335.4-387	**MHz**	FIXED MOBILE 5.254		Standard Spectrum
387-390	**MHz**	FIXED MOBILE Mobile satellite (space-to-Earth) 5.208A 5.254 5.255		Standard Spectrum
390-399.9	**MHz**	FIXED MOBILE 5.254		Standard Spectrum
399.9-400.05	**MHz**	MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260	**Bah#2 Bah#8**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.22		
400.05-400.15	**MHz**	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz) 5.261 5.262	**Reserved**	Standard Spectrum
400.15-401	**MHz**	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 SPACE RESEARCH (space-to-Earth) 5.263 Space operation (space-to-Earth) 5.262 5.264	**400 to 450** **FIXED** **MOBILE**	Standard Spectrum
401-402	**MHz**	METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile		Standard Spectrum
402-403	**MHz**	METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile		Standard Spectrum
403-406	**MHz**	METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile		Standard Spectrum
406-406.1	**MHz**	MOBILE-SATELLITE (Earth-to		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		space) 5.266 5.267		Standard Spectrum
406.2-410	**MHz**	FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 5.149		Standard Spectrum
410-420	**MHz**	FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space) 5.268		Standard Spectrum
420-430	**MHz**	FIXED MOBILE except aeronautical mobile Radiolocation 5.269 5.270 5.271		Standard Spectrum
430-440	**MHz**	RADIOLOCATION Amateur 5.271 5.276 5.277 5.278 5.279 5.281 5.282	**Bah#8**	Standard Spectrum
440-450	**MHz**	FIXED MOBILE except aeronautical mobile Radiolocation 5.269 5.270 5.271 5.284 5.285 5.286	**450 to 470** **FIXED** **MOBILE** **MOBILE** except aeronautical mobile	Standard Spectrum
450-455	**MHz**	FIXED MOBILE 5.209 5.271 5.286 5.286A 5.286B 5.286C 5.286D 5.286E		Standard Spectrum
455-456	**MHz**	FIXED MOBILE MOBILE-SATELLITE		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		(Earth-to-space) 5.286A 5.286B 5.286C 5.209		
456-459	**MHz**	FIXED MOBILE 5.271 5.287 5.288		
459-460	**MHz**	FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.286A 5.286B 5.286C 5.209		
460-470	**MHz**	FIXED MOBILE Meteorological-Satellite (space-to-Earth) 5.287 5.288 5.289 5.290	**Bah#8**	
470-512	**MHz**	BROADCASTING Fixed Mobile 5.292 5.293	**BROADCASTING**	
512-608	**MHz**	BROADCASTING 5.297	**Television**	Standard Spectrum
608-614	**MHz**	RADIO ASTRONOMY Mobile-satellite except aeronautical mobile-satellite (Earth-to-space)		
614-806	**MHz**	BROADCASTING Fixed Mobile 5.293 5.309 5.311		
806-890	**MHz**	FIXED MOBILE 5.317A BROADCASTING 5.317 5.318	806 to 824 FIXED Services	Standard Spectrum
			824 to 849 Cellular services	Premium Spectrum
			851 to 869 FIXED Services	Standard Spectrum
			869 to 894 Cellular Mobile Services	Premium Spectrum
890-902	**MHz**	FIXED	**894 to 896** **Aeronautical**	Standard Spectrum
		MOBILE except aeronautical mobile 5.317A Radiolocation	**896 to 902** **FIXED Services** **Mobile Services**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.318 5.325	**Bah#2; Bah#3**	
902-928	**MHz**	FIXED Amateur Mobile except aeronautical mobile 5.325A Radiolocation 5.150 5.325 5.326	**FIXED** **Amateur** **MOBILE** except aeronautical **Radiolocation** **Bah#2 Bah#5 Bah#8**	Standard Spectrum
928-942	**MHz**	FIXED MOBILE except aeronautical mobile 5.317A Radiolocation 5.325	**FIXED** **MOBILE** except aeronautical mobile **MOBILE**	Standard Spectrum
942-960	**MHz**	FIXED MOBILE 5.317A	**FIXED** **Bah#8**	
960-1215	**MHz**	AERONAUTICAL RADIONAVIGATION 5.328 5.328A	**AERONAUTICAL RADIONAVIGATION**	Standard Spectrum
1215-1240	**MHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) SPACE RESEARCH (active) 5.330 5.331 5.332	**RADIOLOCATION** **RADIONAVIGATION (space-to-Earth) (space-to-space)** **Bah#2**	Standard Spectrum
1240-1260	**MHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.329 5.329A SPACE RESEARCH (active) Amateur 5.330 5.331 5.332 5.334 5.335	RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-earth) (space-to-space) **Amateur**	Standard Spectrum
1260-1300	**MHz**	EARTH EXPLORATION-SATELLITE (active)		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.329 5.329A SPACE RESEARCH (active) Amateur 5.282 5.330 5.331 5.334 5.335 5.335A	**RADIOLOCATION** **RADIONAVIGATION-SATELLITE** **Bah#2**	
1300-1350	**MHz**	AERONAUTICAL RADIONAVIGATION 5.337 RADIOLOCATION RADIONAVIGATION SATELLITE (Earth-to-space) 5.149 5.337A	**AERONAUTICAL RADIONAVIGATION** **RADIOLOCATION** **RADIONAVIGATION SATELLITE (Earth-to-space)**	Standard Spectrum
1350-1400	**MHz**	RADIOLOCATION 5.149 5.334 5.339	**RADIOLOCATION**	
1400-1427	**MHz**	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.341	**RADIO ASTRONOMY**	Standard Spectrum
1427-1429	**MHz**	SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile 5.341	**FiXED** **MOBILE** except aeronautical mobile **Bah#8**	Standard Spectrum
1429-1452	**MHz**	FIXED MOBILE 5.343	**FIXED** **MOBILE** **Bah#8**	Standard Spectrum
1452-1492	**MHz**	FIXED MOBILE 5.343 BROADCASTING 5.345 5.347 BROADCASTING-SATELLITE 5.345 5.347 5.341 5.341	**FIXED** **MOBILE** **BROADCASTING** **Bah#8**	Standard Spectrum
1492-1525	**MHz**	FIXED MOBILE 5.343 MOBILE-SATELLITE	**FIXED** **MOBILE**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		(space-to-Earth) 5.348A 5.341 5.344 5.348	**Bah#8**	
1525-1530	**MHz**	SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.351A Earth exploration-satellite Fixed Mobile 5.343 5.341 5.351 5.354	**Earth exploration-satellite** **FIXED** **Mobile**	Standard Spectrum
1530-1535	**MHz**	SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.351A 5.353A Earth exploration-satellite Fixed Mobile 5.343 5.341 5.351 5.354	 **FIXED** **Mobile** **Bah#8**	Standard Spectrum
1535-1559	**MHz**	MOBILE-SATELLITE (space-to-Earth) 5.351A 5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359 5.362A		Standard Spectrum
1 559-1 610	**MHz**	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.329A 5.341 5.362B 5.362C 5.363	AERONAUTICAL RADIONAVIGATION	Standard Spectrum
1 610-1 610.6	**MHz**	MOBILE-SATELLITE (Earth-to-space) 5.351A AERONAUTICAL RADIONAVIGATION RADIODETERMINATION-SATELLITE (Earth-to-space) 5.341 5.364 5.366 5.367 5.368 5.370 5.372	 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION RADIODETERMINATION-SATELLITE SATELLITE (Earth-to-space)	Standard Spectrum
1 610.6-1 613.8	**MHz**	MOBILE-SATELLITE		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		(Earth-to-space) 5.351A RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION RADIODETERMINATION-SATELLITE (Earth-to-space) 5.149 5.341 5.364 5.366 5.367 5.368 5.370 5.372		Standard Spectrum
1 613.8-1 626.5	**MHz**	MOBILE-SATELLITE (Earth-to-space) 5.351A AERONAUTICAL RADIONAVIGATION RADIODETERMINATION- SATELLITE (Earth-to-space) Mobile-satellite (space-to-Earth) 5.341 5.364 5.365 5.366 5.367 5.368 5.370 5.372		Standard Spectrum
1 626.5-1 660	**MHz**	MOBILE-SATELLITE (Earth-to-space) 5.351A 5.341 5.351 5.353A 5.354 5.355 5.357A 5.359 5.362A 5.374 5.375 5.376		Standard Spectrum
1 660-1 660.5	**MHz**	MOBILE-SATELLITE (Earth-to-space) 5.351A RADIO ASTRONOMY 5.149 5.341 5.351 5.354 5.362A 5.376A		Standard Spectrum
1 660.5-1 668.4	**MHz**	RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A		Standard Spectrum
1 668.4-1 670	**MHz**	METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 5.149 5.341		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
1 670-1 675	**MHz**	METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE 5.380 5.341		Standard Spectrum
1 675-1 690	**MHz**	METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) 5.341 5.377		Standard Spectrum
1 690-1 700	**MHz**	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (Earth-to-space) 5.289 5.341 5.377 5.381		Standard Spectrum
1 700-1 710	**MHz**	FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) 5.289 5.341 5.377	**Bah#2 Bah#8**	Standard Spectrum
1 710-1 930	**MHz**	FIXED MOBILE 5.380 5.384A 5.388A 5.149 5.341 5.385 5.386 5.387 5.388	**1710 to 1755** **Reclassified allocation to services** **1850 to 1990** **Cellular Mobile Services**	Premium Spectrum
1 930-1 970	**MHz**	FIXED MOBILE 5.388A Mobile-satellite (Earth-to-space) 5.388		Premium Spectrum
1 970-1 980	**MHz**	FIXED		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		MOBILE 5.388A 5.388		Premium Spectrum
1 980-2 010	**MHz**	FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.388 5.389A 5.389B 5.389F		Premium Spectrum
2 010-2 025	**MHz**	FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.388 5.389C 5.389D 5.389E 5.390		Premium Spectrum
2 025-2 110	**MHz**	SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED MOBILE 5.391 SPACE RESEARCH (Earth-to-space) (space-to-space) 5.392		Premium Spectrum
2 110-2 120	**MHz**	FIXED MOBILE 5.388A SPACE RESEARCH (deep space) (Earth-to-space) 5.388	**2110 to 2120** **Reclassified allocation to services**	Premium Spectrum
2 120-2 160	**MHz**	FIXED MOBILE 5.388A Mobile-satellite (space-to-Earth) 5.388	**Bah#2** **2150 to 2160** **FIXED Services Bah#5** **Bah#8**	Standard Spectrum Standard Spectrum
2 160-2 170	**MHz**	FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.388 5.389C 5.389D 5.389E 5.390		
2 170-2 200	**MHz**	FIXED MOBILE		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		MOBILE-SATELLITE (space-to-Earth) 5.351A 5.388 5.389A 5.389F 5.392A	**FIXED Services** **Bah#5 Bah#8**	Standard Spectrum
2 200-2 290	**MHz**	SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space) FIXED MOBILE 5.391 SPACE RESEARCH (space-to-Earth) (space-to-space) 5.392		
2 290-2 300	**MHz**	FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)		
2 300-2 450	**MHz**	FIXED MOBILE RADIOLOCATION Amateur 5.150 5.282 5.393 5.394 5.396		
2 450-2 483.5	**MHz**	FIXED MOBILE RADIOLOCATION 5.150 5.394	**FIXED Services** **MOBILE** **Bah#5 Bah#8**	Standard Spectrum
2 483.5-2 500	**MHz**	FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.351A RADIOLOCATION RADIODETERMINATION-SATELLITE (space-to-Earth) 5.398	**Fixed Services**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.150 5.5.402	**Bah#2 Bah#5 Bah#6**	
2 500-2 520	**MHz**	FIXED 5.409 5.411 FIXED-SATELLITE (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (space-to-Earth) 5.351A 5.403 5.404 5.407 5.414 5.415A	**2500 to 2690** **FIXED**	Standard Spectrum
2 520-2 655	**MHz**	FIXED 5.409 5.411 FIXED-SATELLITE (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 5.339 5.403 5.418B 5.418C		
2 655-2 670	**MHz**	FIXED 5.409 5.411 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.420		
2 670-2 690	**MHz**	FIXED 5.409 5.411 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (Earth-to-space) 5.351A Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.419 5.420	**Bah#5 Bah#8**	
2 690-2 700	**MHz**	EARTH EXPLORATION-SATELLITE (passive)		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.421 5.422		Standard Spectrum
2 700-2 900	**MHz**	AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.423 5.424		Standard Spectrum
2 900-3 100	**MHz**	RADIONAVIGATION 5.426 Radiolocation 5.425 5.427		Standard Spectrum
3 100-3 300	**MHz**	RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428		Standard Spectrum
3 300-3 400	**MHz**	RADIOLOCATION Amateur Fixed Mobile 5.149 5.430	Bah#2	Standard Spectrum
3 400-3 500	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation 5.433 5.282 5.432	**3400 to 3800**	
3 500-3 700	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 5.433 5.435	**FIXED Services**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
3 700-4 200	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	**Bah#5 Bah#8**	
4 200-4 400	**MHz**	AERONAUTICAL RADIONAVIGATION 5.438 5.439 5.440	**AERONAUTICAL RADIONAVIGATION**	Standard Spectrum
4 400-4 500	**MHz**	FIXED MOBILE	**FIXED** **MOBILE Bah#8**	Standard Spectrum
4 500-4 800	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE	**FIXED** **MOBILE** **Bah#8**	
4 800-4 990	**MHz**	FIXED MOBILE 5.442 Radio astronomy 5.149 5.339 5.443	**FIXED** **MOBILE** **Radio Astronomy** **Bah#8**	
4 990-5 000	**MHz**	FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive) 5.149	**FIXED** **MOBILE** except aeronautical mobile **RADO ASTRONOMY** **Space research (passive)** **Bah#8**	
5 000-5 150	**MHz**	AERONAUTICAL RADIONAVIGATION 5.367 5.443A 5.443B 5.444 5.444A	**AERONAUTICAL RADIONAVIGATION**	Standard Spectrum
5 150-5 250	**MHz**	AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) 5.447A 5.446 5.447 5.447B 5.447C	**AERONAUTICAL RADIONAVIGATION** **FIXED-SATELLITE (Earth-to-space)**	
5 250-5 255	**MHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.447D 5.448 5.448A	**EARTH EXPLORATION-SATELLITE** **RADIOLOCATION** **SPACE RESEARCH**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
5 255- 5 350	**MHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.448 5.448A	**RADIOLOCATION** **Bah#2**	Standard Spectrum
5 350-5 460	**MHz**	EARTH EXPLORATION-SATELLITE (active) 5.448B AERONAUTICAL RADIONAVIGATION 5.449 Radiolocation	**AERONAUTICAL RADIONAVIGATION** **Radiolocation** **Bah#2**	Standard Spectrum
5 460-5 470	**MHz**	RADIONAVIGATION 5.449 Radiolocation	**RADIONAVIGATION** **Radiolocation**	Standard Spectrum
5 470-5 650	**MHz**	MARITIME RADIONAVIGATION Radiolocation 5.450 5.451 5.452	**MARITIME RADIONAVIGATION** **Radiolocation**	Standard Spectrum
5 650-5 725	**MHz**	RADIOLOCATION Amateur Space research (deep space) 5.282 5.451 5.453 5.454 5.455	**RADIOLOCATION** **Amateur**	Standard Spectrum
5 725-5 830	**MHz**	RADIOLOCATION Amateur 5.150 5.453 5.455	**FIXED**	Standard Spectrum
5 830-5 850	**MHz**	RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.453 5.455	Amateur Bah#5 Bah#6 Bah#8	
5 850-5 925	**MHz**	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Amateur Radiolocation 5.15	**FIXED** **FIXED-SATELLITE** **MOBILE** **Amateur** **Radiolocation** **Bah#8**	Standard Spectrum
5 925-6 700	**MHz**	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	**FIXED** **FIXED-SATELLITE** **MOBILE**	Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.149 5.440 5.458	Bah#8	
6 700-7 075	**MHz**	FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.441 MOBILE 5.458 5.458A 5.458B 5.458C		Standard Spectrum
7 075-7 250	**MHz**	FIXED MOBILE 5.458 5.459 5.460		Standard Spectrum
7 250-7 300	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 5.461		Standard Spectrum
7 300-7 450	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461		Standard Spectrum
7 450-7 550	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461A		Standard Spectrum
7 550-7 750	**MHz**	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile		Standard Spectrum
7 750-7 850	**MHz**	FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) 5.461B MOBILE except aeronautical mobile		Standard Spectrum
7 850-7 900	**MHz**	FIXED MOBILE except aeronautical mobile		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
7 900-8 025	**MHz**	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.461		Standard Spectrum
8 025-8 175	**MHz**	EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A		Standard Spectrum
8 175-8 215	**MHz**	EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A		Standard Spectrum
8 215-8 400	**MHz**	EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A		Standard Spectrum
8 400-8 500	**MHz**	FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) 5.465 5.466 5.467		Standard Spectrum
8 500-8 550	**MHz**	RADIOLOCATION 5.468 5.469		Standard Spectrum
8 550-8 650	**MHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.468 5.469 5.469A		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
8 650-8 750	**MHz**	RADIOLOCATION 5.468 5.469		Standard Spectrum
8 750-8 850	**MHz**	RADIOLOCATION AERONAUTICAL RADIONAVIGATION 5.470 5.471		Standard Spectrum
8 850-9 000	**MHz**	RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473		Standard Spectrum
9 000-9 200	**MHz**	AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.471		Standard Spectrum
9 200-9 300	**MHz**	RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473 5.474		Standard Spectrum
9 300-9 500	**MHz**	RADIONAVIGATION 5.476 Radiolocation 5.427 5.474 5.475		Standard Spectrum
9 500-9 800	**MHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active) 5.476A		Standard Spectrum
9 800-10 000	**MHz**	RADIOLOCATION Fixed 5.477 5.478 5.479		Standard Spectrum
10-10.45	**GHz**	RADIOLOCATION Amateur 5.479 5.480		Standard Spectrum
10.45-10.5	**GHz**	RADIOLOCATION Amateur Amateur-satellite 5.481		Standard Spectrum
10.5-10.55	**GHz**	FIXED		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		MOBILE RADIOLOCATION		Standard Spectrum
10.55-10.6	**GHz**	FIXED MOBILE except aeronautical mobile Radiolocation		Standard Spectrum
10.6-10.68	**GHz**	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation 5.149 5.482		Standard Spectrum
10.68-10.7	**GHz**	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.483		Standard Spectrum
10.7-11.7	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) 5.441 5.484A MOBILE except aeronautical mobile		Standard Spectrum
11.7-12.1	**GHz**	FIXED 5.486 FIXED-SATELLITE (space-to-Earth) 5.484A Mobile except aeronautical mobile 5.485 5.488	Bah#2	Standard Spectrum
12.1-12.2	**GHz**	FIXED-SATELLITE (space-to-Earth) 5.484A 5.485 5.488 5.489	Bah#2	Standard Spectrum
12.2-12.7	**GHz**	FIXED MOBILE except aeronautical mobile	**FIXED**	

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		BROADCASTING BROADCASTING-SATELLITE 5.487A 5.488 5.490 5.492	**BROADCASTING** Bah#5	Standard Spectrum
12.7-12.75	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile		Standard Spectrum
12.75-13.25	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) 5.441 MOBILE Space research (deep space) (space-to-Earth)		Standard Spectrum
13.25-13.4	**GHz**	EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION 5.497 SPACE RESEARCH (active) 5.498A 5.499		Standard Spectrum
13.4-13.75	**GHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.501A Standard frequency and time signal-satellite (Earth-to-space) 5.499 5.500 5.501 5.501B		Standard Spectrum
13.75-14	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.484A RADIOLOCATION Standard frequency and time signal-satellite (Earth-to-space) Space research 5.499 5.500 5.501 5.502 5.503 5.503A		Standard Spectrum
14-14.25	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.484A 5.506 RADIONAVIGATION 5.504		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Space research 5.505		Standard Spectrum
14.25-14.3	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.484A 5.506 RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Space research 5.505 5.508 5.509		Standard Spectrum
14.3-14.4	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.484A 5.506 Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Radionavigation-satellite		Standard Spectrum
14.4-14.47	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Space research (space-to-Earth)		Standard Spectrum
14.47-14.5	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Radio astronomy 5.149		Standard Spectrum
14.5-14.8	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) 5.510 MOBILE		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		Space research		
14.8-15.35	**GHz**	FIXED MOBILE Space research 5.339		Standard Spectrum
15.35-15.4	**GHz**	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.511		Standard Spectrum
15.4-15.43	**GHz**	AERONAUTICAL RADIONAVIGATION 5.511D		Standard Spectrum
15.43-15.63	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.511A AERONAUTICAL RADIONAVIGATION 5.511C		Standard Spectrum
15.63-15.7	**GHz**	AERONAUTICAL RADIONAVIGATION 5.511D		Standard Spectrum
15.7-16.6	**GHz**	RADIOLOCATION 5.512 5.513		Standard Spectrum
16.6-17.1	**GHz**	RADIOLOCATION Space research (deep space) (Earth-to-space) 5.512 5.513		Standard Spectrum
17.1-17.2	**GHz**	RADIOLOCATION 5.512 5.513		Standard Spectrum
17.2-17.3	**GHz**	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.512 5.513 5.513A		Standard Spectrum
17.3-17.7	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.516 BROADCASTING-SATELLITE Radiolocation 5.514 5.515 5.517		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
17.7-17.8	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 5.516 BROADCASTING-SATELLITE Mobile 5.518 5.515 5.517		Standard Spectrum
17.8-18.1	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE		Standard Spectrum
18.1-18.4	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.520 MOBILE 5.519 5.521		Standard Spectrum
18.4-18.6	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A MOBILE		Standard Spectrum
18.6-18.8	**GHz**	EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile SPACE RESEARCH (passive) 5.522A		Standard Spectrum
18.8-19.3	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) 5.523A MOBILE		Standard Spectrum
19.3-19.7	**GHz**	FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 5.523B 5.523C 5.523D 5.523E MOBILE		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
19.7-20.1	**GHz**	FIXED-SATELLITE (space-to-Earth) 5.484A MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528 5.529		Standard Spectrum
20.1-20.2	**GHz**	FIXED-SATELLITE (space-to-Earth) 5.484A MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528		Standard Spectrum
20.2-21.2	**GHz**	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth) 5.524		Standard Spectrum
21.2-21.4	**GHz**	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)		Standard Spectrum
21.4-22	**GHz**	FIXED MOBILE		Standard Spectrum
22-22.21	**GHz**	FIXED MOBILE except aeronautical mobile 5.149		Standard Spectrum
22.21-22.5	**GHz**	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) 5.149 5.532		Standard Spectrum
22.5-22.55	**GHz**	FIXED MOBILE		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
22.55-23.55	**GHz**	FIXED INTER-SATELLITE MOBILE 5.149		
23.55-23.6	**GHz**	FIXED MOBILE		Standard Spectrum
23.6-24	**GHz**	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.34		Standard Spectrum
24-24.05	**GHz**	AMATEUR AMATEUR-SATELLITE 5.15		Standard Spectrum
24.05-24.25	**GHz**	RADIOLOCATION Amateur Earth exploration-satellite (active) 5.15		Standard Spectrum
24.25-24.45	**GHz**	RADIONAVIGATION		Standard Spectrum
24.45-24.65	**GHz**	INTER-SATELLITE RADIONAVIGATION 5.533		Standard Spectrum
24.65-24.75	**GHz**	INTER-SATELLITE RADIOLOCATION-SATELLITE (Earth-to-space)		Standard Spectrum
24.75-25.25	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.535		Standard Spectrum
25.25-25.5	**GHz**	FIXED INTER-SATELLITE 5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)		Standard Spectrum
25.5-27	**GHz**	EARTH EXPLORATION-SATELLITE (space-to Earth)		

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.536A 5.536B FIXED INTER-SATELLITE 5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)		Standard Spectrum
27-27.5	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE 5.536 5.537 MOBILE		Standard Spectrum
27.5-28.5	**GHz**	FIXED 5.537A FIXED-SATELLITE (Earth-to-space) 5.484A 5.539 MOBILE 5.538 5.540		Standard Spectrum
28.5-29.1	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.54		Standard Spectrum
29.1-29.5	**GHz**	FIXED FIXED-SATELLITE (Earth-to-space) 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.54		Standard Spectrum
29.5-29.9	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.484A 5.539 MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541		Standard Spectrum

Frequency	Units	Allocation to Services Region 2	Allocation to Services for The Bahamas	Spectrum Classification
		5.525 5.526 5.527 5.529 5.540 5.542		
29.9-30	**GHz**	FIXED-SATELLITE (Earth-to-space) 5.484A 5.539 MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.543 5.525 5.526 5.527 5.538 5.540 5.542	**Bah#2**	Standard Spectrum
30-300	**GHz**		**Bah#1**	**Standard Spectrum**