



Central America and Caribbean Questionnaire on the use of the VHF and UHF bands

Administration: PNR

Use of the VHF band

1. Current use of 174-216 MHz: **Broadcast (analogue)**
Analogue broadcast range (MHz):174-216 MHz
2. Future use of 174-216 MHz: **Other**

Use of the UHF band

3. Current use of 470-698 MHz: **Broadcast (digital), Broadcast (analogue), Mobile (other than IMT), Fixed**
Digital broadcast range:512-698 MHz
Analogue broadcast range:512-626 MHz
Mobile (other than IMT) range:470-512 MHz | Service/application: Radiocomunicación
Fixed range:470-512 MHz | Service/application: Radiocomunicación
4. Future use of 470-698 MHz: **Broadcast (digital), Mobile (other than IMT), Fixed**
Digital broadcast range:512-698 MHz
Mobile (other than IMT) range:470-512 MHz | Service/application: Radiocomunicación
Fixed range:470-512 MHz | Service/application: Radiocomunicación
5. Current use of 698-806 MHz: **Mobile (IMT)**
Mobile (IMT) range:698-806 MHz
6. Future use of 698-806 MHz: **Mobile (IMT)**
Mobile (IMT) range:698-806 MHz

Digital Terrestrial Television (DTT)

7. Is DTT implemented?: Yes, partially
8. DTT standard: U0: DVB-T / 6MHz
9. Status of DTT transmissions: We started (or will start) DTT transmissions on 14 September 2011 | Frequency range: 512-698 MHz
10. Use of DTT in the VHF band (174-216 MHz): We are not using and we will not use DTT in the VHF band
11. Analogue switch off: We are planning the analogue switch off

Digital Sound Broadcasting (DSB)

- 12. Is DSB implemented?:** No
- 13. DSB standard:** IBOC
- 14. Status of DSB transmissions:** We are planning DSB transmissions but no date has been decided | Frequency range: 535-1600 kHz (AM) / 88-108 MHz (FM)
- 15. DSB channels bandwidth (MHz):** 30 kHz (AM) / 400 kHz (FM)

Mobile Service (IMT)

16. Frequency arrangements for the IMT mobile service:

Arrangement 1: Uplink (MHz): 824-849 | Downlink (MHz): 869-894 | Mode of operation: FDD | Starting date: 11 June 1996

Arrangement 2: Uplink (MHz): 1850-1910 | Downlink (MHz): 1930-1990 | Mode of operation: FDD | Starting date: 11 June 2006

Arrangement 3: Uplink (MHz): 703-748 | Downlink (MHz): 758-803 | Mode of operation: FDD | Starting date: 28 September 2012

Arrangement 4: Uplink (MHz): 1710-1780 | Downlink (MHz): 2110-2180 | Mode of operation: FDD | Starting date: 18 November 2015

Additional information

17. Bilateral/multilateral agreements:

Broadcasting:

Actualmente se están desarrollando acuerdos bilaterales con Costa Rica en la banda de Frecuencia Modulada (FM) y para Televisión Digital en las bandas de 470 MHz a 698 MHz.

Enlaces:

Ministerio de Ciencia Tecnología y Telecomunicaciones (MICITT) y la Superintendencia de Telecomunicaciones de Costa Rica.

Autoridad Nacional de los Servicios Públicos (ASEP) de Panamá.

IMT:

Actualmente se están desarrollando acuerdos bilaterales con Costa Rica en las bandas descritas en el punto 16.

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18. Additional comments:
