



Utility Regulation and Competition Office

18th November 2024

Operating Parameters for Wireless Data Transmission (including WiFi) Services

The following information has been prepared by the Utility Regulation and Competition Office (“the Office”) and provides references to the relevant technical and operating parameters which are permitted for the operation of Wireless Data Transmission services (including WiFi, LPWAN and 5G NR-U) in the Cayman Islands.

The table below contains:

- The lower and upper bounds of the frequency range in which equipment may be operated
- The reference to the FCC technical and operating parameters which must be adhered to for equipment carrying the FCC type approval mark
- The reference to the ETSI standard (and other relevant documents) which must be adhered to for equipment carrying the CE type approval mark
- Any other technical requirements or restrictions which apply in the Cayman Islands

Equipment which meets the requirements of either the FCC reference, or the EU reference, used only as permitted, and within the restrictions detailed below, may be operated without the need for a specific licence from the Office.

Frequency Range	FCC Reference	EU Reference
902 – 928 MHz	Part 15.247	EN 304 200
2400 – 2483.5 MHz	Part 15.247	EN 300 328
5150 – 5350 MHz	Part 15.407	EN 301 893
5470 – 5725 MHz	Part 15.407	EN 301 893
5725 – 5875 MHz	Part 15.407	EN 300 440 ERC Report 70-03, Annex 1, Band j (Maximum 25 mW eirp)
5925 – 6425 MHz * see note	Part 15.407	EN 303 687
57 – 71 GHz	Part 15.255	EN 302 567 (Maximum 40 dBm e.i.r.p.)

* In the frequency range 5925 – 6425 MHz, only Low Power Indoor (LPI) and Very Low Power (VLP) categories of devices are permitted.



Note that these frequencies are not assigned exclusively for Wireless Data Transmission applications and are provided on a non-interference basis: Devices must accept interference from other users of these frequencies and must not cause harmful interference to other users.

Your attention is drawn to the Notice of Compliance for the Industrial, Scientific and Medical Radio Band issued by the Office on 1 April 2020¹.

A license must be obtained for equipment which operates within the frequency ranges identified above but which:

- does not meet either the technical and operating requirements indicated above; or
- is used for purposes not defined in clause 3 of the notice issued in accordance with Section 23(2) of the Information and Communication Technology Act² (e.g. if used for Commercial purposes).

Should you have any queries, please feel free to contact spectrum@ofreg.ky.

¹ <https://www.ofreg.ky/viewPDF/documents/news/2022-04-07-07-39-34-NOTICE-OF-COMPLIANCE-for-the-Industrial-Scientific-and-Medical-Radio-Band-IBM.pdf>

² <https://www.ofreg.ky/viewPDF/documents/2024-10-30-13-22-09-The-Utility-Regulation-And-Competition-Office.-G22-S160.pdf>