

## EN 303 687 V1.1.1 歐盟調和公告細節說明 – Cerpass Kevin

Wi-Fi 7 技術具備高度的靈活性和卓越的性能，然而，在較為陳舊的強制性法規規範下，其潛力受到相當程度的限制。歐盟針對 5GHz 頻段的 EN 301 893 V2.2.1 和 6GHz 頻段的 EN 303 687 V1.1.1 法規進行了更新，開放了頻段使用限制，使其更能符合 Wi-Fi 7 的實際應用情境。儘管這也同時增加了較多的測試驗證要求，但總體而言，歐盟於 5 月 14 日通過了對這兩版法規的調和，這將使製造商在產品進入歐盟市場時，能夠更輕鬆且明確地遵循合規要求。但其中 EN 303 687 調和 OJ 公告中的 notice 2 中內文提到一些觀點，依然保守看待調和，因此目前一般 WIFI 7 產品不能只要 DoC 自我宣告依然需要送件歐盟 NB 取得進入資格。

177.	<p>EN 303 687 V1.1.1</p> <p>6 GHz WAS/RLAN; Harmonised Standard for access to radio spectrum</p> <p>Notice 1: This harmonised standard does not sufficiently address narrowband devices, as defined in its clause 3.1 and does not therefore confer a presumption of conformity for those devices.</p> <p>Notice 2: This harmonised standard does not confer a presumption of conformity to the essential requirement set out in Article 3(2) of Directive 2014/53/EU if its clause B.7.2 is applied.</p>
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- (11) Harmonised standard EN 303 687 V1.1.1 does not sufficiently address narrowband devices. Additionally, testing in its clause B.7.2 is based on a non-disclosed specification established by the Institute of Electrical and Electronics Engineers Standards Association. The reference of that harmonised standards should therefore be published in the *Official Journal of the European Union* with restrictions.

依照 EN 303687 B.7.2 訊號

### B.7.2 OFDM test signal 1

OFDM test signal 1 shall consist of a continuous sequence (100 % duty cycle) of data symbols as defined in IEEE 802.11ax™-2021 [1], clause 27. This implies that OFDM test signal 1 does not contain any PHY preambles as defined in IEEE 802.11ax™-2021 [1], clause 27:

- When testing the capability to detect other transmissions in case of multi-channel operation using option 1 (see clause 5.4.8.3.2.3.1), the OFDM test signal shall be present in any of the channels used for the multi-channel operation. However, if the test is performed sequentially (see clause 5.4.8.3.2.3.1, step 2, second bullet point), the OFDM test signal shall only be present in the channel being tested.
- When testing the capability to detect other transmissions in case of multi-channel operation using option 2 (see clause 5.4.8.3.2.3.2), the OFDM test signal shall only be present in a first adjacent (non-primary) channel.

Clause 5.4.8.3.2.2：測試時會使用到 B.7 所有訊號

#### Step 4:

- Step 2 and step 3 shall be repeated for each of the interference signals defined in clause B.7.

#### 5.4.8.3.2.3

Procedure to verify the capability to detect other transmissions in case of multi-channel operation