



Approval statement

FCC Statement

To satisfy FCC exterior labeling requirements, the following text must be placed on the exterior of the end product.

Contains Transmitter module FCC ID: A3LWCP730M

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with Part 15 of the FCC's Rules. Operation is subject to the following two Conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesirable operation.

IC Information

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). L'opération est soumise aux deux conditions suivantes:

- (1) cet appareil ne peut causer d'interférences, et*
- (2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.*

The end product must be labeled to display the Industry Canada certification number of the module.

Contains transmitter module IC: 649E-WCP730M

Le dispositif d'accueil doivent être étiquetés pour afficher le numéro de certification d'Industrie Canada du module.

Contient module émetteur IC : 649E-WCM730Q



Information for OEM Integrator

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

End product labelling

The label for end product must include

“Contains FCC ID: A3LWCP730M, Contains IC: 649E-WCP730M”.

“ CAUTION: Exposure to Radio Frequency Radiation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users.”



User Information

This device complies with FCC & IC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20cm is maintained between the antenna and users.
- 2) This module may not be co-located with any other transmitters or antennas.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements with this module installed. In the event that these conditions cannot be met, then the FCC & IC authorizations are no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product including this module and obtaining separate FCC & IC authorizations.

Cet appareil est conforme aux limites d'exposition rayonnement de la FCC et IC définies pour un environnement non contrôlé . Cet appareil doit être installé et ne doit pas être co- localisées ou opérant en conjonction avec une autre antenne ou émetteur .

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes :

- 1) L' antenne doit être installée de telle sorte que 20 cm est maintenue entre l'antenne et les utilisateurs .
- 2) Ce module ne peut pas être co-localisé avec d'autres émetteurs ou des antennes .

Tant que deux conditions ci-dessus sont remplies , nouvel essai de l'émetteur ne sera pas tenu . Cependant , l'intégrateur OEM est toujours responsable de tester leur produit final pour les exigences de conformité supplémentaires avec ce module installé .Dans le cas où ces conditions ne peuvent être remplies, les autorisations de la FCC et IC ne sont plus considérés comme valides et l'ID FCC ne peuvent pas être utilisés sur le produit final . Dans ces circonstances , l'intégrateur OEM sera chargé de réévaluer le produit final incluant ce module et l'obtention des autorisations de la FCC et IC distincts .

Any changed or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Toute changé ou modifications non expressément approuvés par la partie responsable de la conformité pourraient annuler l'utilisateur `autorité de faire fonctionner cet équipement.

This device is restricted to indoor use only within the 5.15 ~ 5.25GHz Band.

- User should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5235-5350MHz and 5650-5850MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Channels 120-128 are used only if permitted by a master device.

The device's processor constantly monitors each data session and automatically discontinues transmission in the absence of information to transmit within 4 ms or when operational failure is detected by the CPU watchdog timers.

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

Until further notice, devices subject to this section shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of Environment Canada's weather radars operating in this band.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment

This product is only for Samsung products. Not for sale to market.

WCP730M is a Wi-Fi / Bluetooth Combo module compliant with IEEE802.11 a.b.g.n.ac MAC/baseband/radio and Bluetooth 5.0 optimized for low-power applications. The core chipset is from MEDIATEK, part number MT7668AUN.

- Features

- >IEEE 802.11ac Draft compliant.
- >Dual-band 2.4GHz /5 GHz
- >Dual-stream spatial multiplexing up to 867Mbps data rate
- >Support 20, 40, 80MHz channel with optional SGI (256QAM modulation)
- >On-chip power amplifiers and low –noise amplifiers for both bands
- >Complies with Bluetooth Core Specification Version 5.0
- >Bluetooth Class 1 or 2 transmitter operation.
- >Supports BT-WLAN coexistence.
- >Adaptive frequency hopping (AFH) for reducing radio frequency interference

- WCP730M Category of signal

1) Categorization as Correlated or Completely Uncorrelated

For the purposes of this guidance, transmitter output signals are considered *correlated* if any of the following are true:

- The same digital data are transmitted from two or more antennas in a given symbol period, even with different coding or phase shifts; or,
- Correlation between two transmitted signals exists at any frequency and time delay; or,
- Multiple transmitter outputs serve to focus energy in a given direction or to a given receiver; or,
- The operating mode combines correlated techniques with uncorrelated techniques.

Otherwise, the output signals are considered *completely uncorrelated*.

- 802.11b transmits on two antenna(1*TX and 2*TX).
- 802.11a/g CDD(2*TX) signals are correlated signals.
- 802.11n(MCS0~MCS7) CDD&STBC(2*TX) signals are correlated signals.
- 802.11n(MCS8~MCS15) SDM(2*TX) signals are uncorrelated signals.
- 802.11ac(MCS0~MCS9 NSS1) CDD&STBC(2*TX) signals are correlated signals.
- 802.11ac(MCS0~MCS9 NSS2) SDM(2*TX) signals are uncorrelated signals.