

Introduction

This document provides instructions and steps that the OEM Integrator must follow when designing and manufacturing a system using a Qualcomm® design radio module, the "Module".

CAUTION: Failure to follow the instructions in this document may invalidate the FCC certification and authorization of the Module for use in the U.S. and in other countries.

The OEM integrator is responsible for all system-level EMI/EMC and product safety testing and certification that apply to the host system in the U.S. and other countries where the system will be marketed or sold.

The Qualcomm modular certifications described in this document only apply to radio conformance for the Module.

Applicable Module

Regulatory model: QCNFA765

FCC ID: E2K-QCNFA765 IC : 1514B-QCNFA765

Available Global Modular Approvals from Qualcomm

Module certification is limited to those countries in which Qualcomm has obtained radio modular approvals.

For integrators to access the current list of certified countries:

1. Log on to the Qualcomm CreatePoint system.
2. Search for the regulatory document under chip model WCN6855.

NOTE: If integrators do not have access to the Qualcomm CreatePoint system, contact a Qualcomm account representative to request access to the country list and modular certificates.

OEM integrators must receive their own radio certification for each country where the system will be sold if a modular certification for that country is not available from Qualcomm.

Additional Regulatory Conformance Testing and/or Submissions Required by the Integrator

Global modular certifications only apply to radio conformance for the Module.

- The OEM integrator is responsible for any additional system-level EMI/EMC and product safety testing and certifications that apply in the U.S. and other countries where the host system is containing the Module. This includes, but is not limited to, Federal Communications Commission (FCC) Part 15 Class B Digital Emissions, China CCC, Taiwan BSMI, Korea KC, ETSI EN 301 489-17, and others.
- These system-level EMC tests are done with the Module installed and included in the scope of the submission.

Modular radio certification is not possible in some countries.

- For these countries, OEM integrators must ensure radio certification for the end system is obtained before placing the product on the market.
- The current list of applicable countries is provided by Qualcomm.

For questions, additional regulatory conformance testing information, and/or related submissions, contact a Qualcomm account representative.

Required Labeling on the Outside of the Host

Explanatory text in red font must not be included in the final label.

FCC

The FCC requires a label on the outside of the host system visible to the end user.

Example wording is:

Contains: FCC ID: XXX-XXXXXXX IC: XXXXX-XXXXXX
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(Replace X's with actual IDs found in Section 2).

The FCC requires a logo signifying emissions compliance on the outside of the host system.

Additional options are available for placement of the FCC label on the host. Refer to the FCC Knowledge Database KDB 784748 found at <https://apps.fcc.gov/oetcf/kdb/index.cfm>.

NOTE: The Integrator is responsible for performing FCC Part 15 Class B digital emissions testing on the end-system with the radio Module installed. The FCC logo that follows should not be affixed, unless the OEM integrator has obtained the necessary Part 15 approval, e.g., self-declaration of conformity.

If the host system is approved to FCC Class B digital emissions limits under a grant of certification issued by a TCB, the FCC ID number shown on the grant should be used on the label instead of the FCC logo that follows.



Taiwan NCC

Taiwan NCC requires a label on the outside of the host system visible to the end user.

The required wording is:

本產品內含射頻模組:  XXXyyyLPDzzzz-x
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(Replace X's with actual IDs found in Section 2).

European Community Radio Equipment Directive (RED)

The European Community RED (Radio Equipment Directive) requires the CE Marking shown as follows on the outside of the host AND on the outside of the shipping container/packaging:



The European Community RE Directive also requires the following note to consumers on the outside of the shipping container/packaging:

NOTE: The Integrator is expected to translate the text in this Section into the appropriate local languages for the European countries in which the product will be marketed or sold.



AT	BE	BG	CZ	DK	EE	FR
DE	IS	IE	IT	EL	ES	CY
LV	LI	LT	LU	HU	MT	NL
NO	PL	PT	RO	SI	SK	TR
FI	SE	CH	UK	HR		

The full text of the RED is located at:

<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex:32014L0053>

Required Labeling on the Module

FCC labeling on the Module

The Integrator must ensure that the FCC ID (as indicated in Section 2) is affixed on the Module along with other country certification numbers and logos as described in this section.

NOTE: The Module ODM may affix regulatory labeling at time of the Module manufacturing. However, the PCOEM must ensure the Module label is complete, correct, and applicable for all countries where the host system will be imported, marketed, or sold.

Rest of world labeling on the Module

The Integrator must ensure the Module includes a global regulatory label with certification numbers and logos for all target countries.

- The system integrator is responsible for confirming the final regulatory label on the radio Module contains all required certification IDs for all countries in which the system will be marketed or sold.
- It is recommended that the PCOEM implement a review and sign-off process and change control process with each Module ODM to ensure the Module label meets the PCOEM requirements.

Qualcomm provides sample artwork with the applicable certification numbers for this Module.

- The PDF document can be opened using Adobe Illustrator, so the sample artwork can be copied and modified as needed.
 - Therefore, the final label produced by the Module manufacturer will vary from this sample.
 - However, the logos and certification numbers must be those shown in the sample global label.

Contact your Qualcomm account representative with any questions regarding module labeling.

Instructions to download the sample global label artwork with certification IDs

1. Log on to the [Qualcomm CreatePoint system](#).
2. Follow the links and instruction provided by Qualcomm for regulatory certifications.
3. Find: Sample labeling for the Module.
4. Download the PDF file found in the folder.

NOTE: Search for the chip model in the Qualcomm CreatePoint system.

OR, if you do not have access to the Qualcomm CreatePoint system, contact your Qualcomm account representative.

Required Regulatory Wording for User Manual/Installation Manual

The integrator must include text in the user manual meeting the regulators requirements. The text in the following sections or similar wording should be used.

NOTE: Text in red font must be replaced.

FCC compliance information

FCC compliance information

This device complies with Part 15 of the FCC 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 undesired operation.

This product does not contain any user serviceable components. Any unauthorized product changes or modifications will invalidate warranty and all applicable regulatory certifications and approvals, including authority to operate this device.

FCC Part 15 Digital Emissions Compliance

We **[System Manufacturer Name, Address, Telephone]**, declare under our sole responsibility that the product **[System Name]** complies with Part 15 of the FCC 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 undesired operation.

WARNING: 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 and radiates 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 the one the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for help.

The user may find the following booklet prepared by the Federal Communications Commission helpful:

The Interference Handbook

This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock No.004-000-00345-4.

RF Exposure Statement

Radiation Exposure Statement

The product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user's body or by setting the device to lower output power if such function is available.

FCC 6GHz statement

Prohibited for control of or Communications with unmanned aircraft systems, including drones.

Industry Canada Notices

This device complies with Canadian RSS-247.

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.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

NOTE: For 5GHz and/or when co-located with 5 GHz transmitters, the following statements should be provided in the user information

Caution :

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and
- (iii) the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.
- (iv) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

- (i) les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5 250-5 350 MHz et 5 470-5 725 MHz doit se conformer à la limite de p.i.r.e.;
- (iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725-5 825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
- (iv) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

RF Exposure Statement

Radiation Exposure Statement

The product complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user's body or by setting the device to lower output power if such function is available.

European Community (RED) user manual wording and declaration

NOTE: Text in red font must be replaced with name of company responsible for placing the system on the European Community Market.

Europe – EU Declaration of Conformity



Marking by this symbol indicates compliance with the Essential Requirements of the RED of the European Union (2014/53/EU). This equipment meets the following conformance standards:

EN 300 328, EN 301 893, EN 301 489-17, EN 62368-1, EN 62311

Český [Czech]	[COMPANY NAME] tímto prohlašuje, že tento Radiolan je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/53/EU.
Dansk [Danish]	Undertegnede [COMPANY NAME] erklærer herved, at følgende udstyr Radiolan overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.
Deutsch [German]	Hiermit erkläre [COMPANY NAME] dass sich das Gerät Radiolan in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU befindet.
Eesti [Estonian]	Käesolevaga kinnitab [COMPANY NAME] seadme Radiolan vastavust direktiivi 2014/53/EU põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, [COMPANY NAME], declares that this Radiolan is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
Español [Spanish]	Por medio de la presente [COMPANY NAME] declara que el Radiolan cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ [COMPANY NAME] ΔΗΛΩΝΕΙ ΟΤΙ Radiolan ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.
Français [French]	Par la présente [COMPANY NAME] déclare que l'appareil Radiolan est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU.
Íslenska [Icelandic]	Hér með lýsir [COMPANY NAME] yfir því að Radiolan er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU.
Italiano [Italian]	Con la presente [COMPANY NAME] dichiara che questo Radiolan è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU.

 Latviski [Latvian]	Ar šo [COMPANY NAME] deklarē, ka Radiolan atbilst Direktīvas 2014/53/EU būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
 Lietuvių [Lithuanian]	Šiuo [COMPANY NAME] deklaruojama, kad šis Radiolan atitinka esminius reikalavimus ir kitas 2014/53/EU Direktyvos nuostatas.
 Malti [Maltese]	Hawnhekk, [COMPANY NAME], jiddikjara li dan Radiolan jikkonforma mal-ftigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Direttiva 2014/53/EU.
 Magyar [Hungarian]	Alulírott, [COMPANY NAME] nyilatkozom, hogy a Radiolan megfelel a vonatkozó alapvető követelményeknek és az 2014/53/EU irányelv egyéb előírásainak.
 Nederlands [Dutch]	Hierbij verklaart [COMPANY NAME] dat het toestel Radiolan in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU.
 Norsk [Norwegian]	[COMPANY NAME] erklærer herved at utstyret Radiolan er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EU.
 Polski [Polish]	Niniejszym [COMPANY NAME] oświadcza, że Radiolan jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/53/EU.
 Português [Portuguese]	[COMPANY NAME] declara que este Radiolan está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU.
 Slovensko [Slovenian]	[COMPANY NAME] izjavlja, da je ta Radiolan v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/53/EU.
 Slovensky [Slovak]	[COMPANY NAME] týmto vyhlasuje, že Radiolan spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/53/EU.
 Suomi [Finnish]	[COMPANY NAME] vakuuttaa täten että Radiolan tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
 Svenska [Swedish]	Härmed intygar [COMPANY NAME] att denna Radiolan står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU.

European Community (RED) Declaration of Conformity for System

In addition to including the radio conformity wording described in Section 12.3, the end integrator must also create and sign a European Declaration of Conformity (DoC) for all European Directives applicable to the end product.

- At a minimum, this will be a DoC per the RED Directive covering the essential requirements.
- The DoC must reference harmonized standards used for all radios present in the system.

NOTE: An image of the DoC signed by the OEM integrator may be included in the user manual or a link to the DoC on the integrator's company website should be provided in the user documentation.

Taiwan user manual wording

台灣: 國家通訊傳播委員會

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規
定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作

高增益指向性天線只得應用於固定式點對點系統。

Korea user manual wording

Korea KCC

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음

Brazil user manual wording

Hosts using approved modules would be required to put label information on the product or statement in the user manual:

Este produto contém a placa xxxx código de homologação Anatel NNNN-NN-NNNN

Translation:

This product contains the module xxxx Anatel approval code NNNNN-NN-NNNNN

User manual statement:

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Host products that are not subject to Anatel approval, but include this approved module must include in their manual, quick guide, or by other authorized means in Act 4088, the following information:

"Incorpora produto homologado pela Anatel sob número HHHHH-AA-FFFFF".

Translation:

"Incorporates product approved by Anatel under number HHHHH-AA-FFFFF".

Japan user manual wording

It is required to have 5GHz W52, W53 band indoor use warning provide in user manual:

5GHz band (W52,W53): Indoor use only (except communicate to high power radio)

5GHz 帯(W52, W53)は屋内利用に限る (高出力システムと通信する場合を除く)

