



# **RAAP-800**

# **Regulatory Information**

# **Guide**

# Regulatory Information

This device is approved under Motorola Solutions, Inc.

This guide applies to the following Model Numbers: RAAP-800.

All Motorola Solutions devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Local language translations are available at the following website: <http://supportcentral.motorolasolutions.com/support>

Any changes or modifications to Motorola Solutions equipment, not expressly approved by Motorola Solutions, could void the user's authority to operate the equipment.

Motorola Solutions devices are professionally installed, the Radio Frequency Output Power will not exceed the maximum allowable limit for the country of operation.

Antennas: Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could cause damage and may violate regulations.

This device is only to be used with a Motorola Solutions Wireless Switch.

## ***Wireless Device Country Approvals***

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) is/are approved for use in the following countries: United States and Canada

Please refer to the *Declaration of Conformity* (DoC) for details of other country markings. This is available at: <http://www.motorolasolutions.com/doc>



Operation of the device without regulatory approval is illegal.

## ***Country Selection***

Select only the country in which you are using the device. Any other selection will make the operation of this device illegal. The US version of Access Point will only have US listed in the country selection table. The US version will be sold /used in the US protectorates: American Samoa, Guam, Puerto Rico, US Virgin Islands.

## ***Frequency of Operation – FCC and IC***

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders).

### **5 GHz Only**

The use in the UNII (Unlicensed National Information Infrastructure) band 1 (5150-5250 MHz) is restricted to Indoor Use Only; any other use will make the operation of this device illegal.

**Industry Canada Statement:**

**Caution:** The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-Channel mobile satellite systems. High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

**Avertissement:** Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

## Health and Safety Recommendations

### *Warnings for Use of Wireless Devices*



Please observe all warning notices with regard to the usage of wireless devices.

### *Potentially Hazardous Atmospheres - Fixed Installations*

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders).

### *Safety in Hospitals*



Wireless devices transmit radio frequency energy and may affect medical electrical equipment. When installed adjacent to other equipment, it is advised to verify that the adjacent equipment is not adversely affected.

### *Pacemakers*

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers:

- Should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON.
- Should not carry the device in a breast pocket.
- Should use the ear furthest from the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn OFF your device.

### *Other Medical Devices*

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

# RF Exposure Guidelines

## Safety Information

### ***Reducing RF Exposure - Use Properly***

Only operate the device in accordance with the instructions supplied.

### ***International***

The device complies with internationally recognized standards covering human exposure to electromagnetic fields from radio devices. For information on “International” human exposure to electromagnetic fields refer to the Motorola Solutions *Declaration of Conformity* (DoC) at: <http://www.motorolasolutions.com/doc>

### ***US and Canada***

#### ***Co-located statement***

To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must not be co-located or operating in conjunction with any other transmitter/antenna except those already approved in this filing.

#### ***Remote and Standalone Antenna Configurations***

To comply with FCC RF exposure requirements, Antennas that are mounted externally must be professionally installed at a fixed location and operate with a minimum distance of 35cm from all persons.

### ***IC Radiation Exposure Statement:***

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 35cm between the radiator & your body.

#### ***Déclaration d'exposition aux radiations:***

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 35cm de distance entre la source de rayonnement et votre corps.

## Power Supply

This device must be powered from a 802.3af or 802.3at compliant power source which has been certified by the appropriate agencies, or by a LISTED Motorola, Type no. PWRS-14000-247R or AP-PSBIAS-2P3-ATR, direct plug-in power supply, marked Class 2 or LPS (IEC60950-1, SELV). Use of alternative Power Supply will invalidate any approvals given to this unit and may be dangerous.

## Radio Frequency Interference Requirements—FCC



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.

### **Radio Transmitters (Part 15)**

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.

The use of 5 GHz WLAN's, for use in the US, have the following restrictions:

- Notched Band 5.60 - 5.65 GHz

### **Radio Transmitters**

For RLAN Devices:

The use of 5 GHz RLAN's, for use in Canada, have the following restrictions:

- Restricted Band 5.60 – 5.65 GHz

This device complies with RSS 210 of Industry Canada. 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.

Ce dispositif est conforme à la norme CNR-210 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.

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that permitted for successful communication.

The device could automatically discontinue transmission in case of absence of information to trans-mit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology.

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.

In compliance with respective local regulatory law, Motorola Solutions AP software provides professional installers the option to configure the antenna type and antenna gain for approved antennas.

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

The 5 GHz antenna suite includes the following models:

<b><i>Part Number</i></b>	<b><i>Antenna Type</i></b>
ML-5299-APA1-01R	Dipole Antenna
ML-5299-FHPA10-01R	Dipole Antenna
ML-5299-HPA1-01R	Dipole Antenna
ML-5299-HPA5-01	Dipole Antenna
ML-5299-HPA10-01	Dipole Antenna
ML-2452-HPAG5A8-01	Dipole Antenna
ML-2452-HPAG4A6-01	Dipole Antenna
ML-2452-HPA6X6-036	Dipole Antenna
ML-2452-HPA6M6-072	Dipole Antenna
ML-2499-APA2-01	Dipole Antenna
ML-2452-HPA5-036	Dipole Antenna
ML-2452-APAG2A1-01	Dipole Antenna
ML-2452-APA2-01	Dipole Antenna
ML-5299-PTA1-01R	Patch Antenna
ML-5299-WPNA1-01R	Panel Antenna
ML-5299-BYGA15-012	Yagi Antenna
ML-2452-PNA5-01R	Panel Antenna
ML-2452-PNA7-01R	Panel Antenna
ML-2452-PNL9M3-036	Panel Antenna
ML-2452-PTA6M6-036	Panel Antenna
ML-2499-BPNA3-01R	Panel Antenna
KAPI-FACADE-ANT	Facade Antenna
RAI-INT-ANT	Internal Antenna

This device and its antenna(s) must not be co-located with any other transmitters except in accordance with IC multi-transmitter product procedures.

Referring to the multi-transmitter policy, multiple-transmitter(s) and module(s) can be operated simultaneously without reassessment permissive change.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnement en association avec une autre antenne ou transmetteur.

Dynamic Frequency Selection (DFS) for devices operating in the bands 5250- 5350 MHz,

5470-5600 MHz and 5650-5725 MHz

Sélection dynamique de fréquences (DFS) pour les dispositifs fonctionnant dans les bandes 5250-5350 MHz, 5470-5600 MHz et 5650-5725 MHz

The maximum antenna gain permitted (for devices in the bands 5250-5350 MHz and 5470-5725 MHz) to comply with the e.i.r.p. limit.

Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 35 cm de distance entre la source de rayonnement et votre corps.

#### **IMPORTANT NOTE:**

This module is intended for OEM integrator. The OEM integrator is still responsible for the IC compliance requirement of the end product, which integrates this module.

#### **USERS MANUAL OF THE END PRODUCT:**

In the users manual of the end product, the end user has to be informed to keep at least 35 cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the IC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. IC statement is required to be available in the users manual: This Class B digital apparatus complies with Canadian ICES-003. 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.

#### **LABEL OF THE END PRODUCT:**

The final end product must be labeled in a visible area with the following " Contains TX IC : 109AN-RAAP800 ".

Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

### ***Statement of Compliance***

Motorola hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity may be obtained from <http://www.motorolasolutions.com/doc>.

## Waste Electrical and Electronic Equipment (WEEE)



**English:** For EU Customers: All products at the end of their life must be returned to Motorola Solutions for recycling. For information on how to return product, please go to:  
<http://www.motorolasolutions.com/recycling/weee>.

**Français:** Clients de l'Union Européenne: Tous les produits en fin de cycle de vie doivent être retournés à Motorola Solutions pour recyclage. Pour de plus amples informations sur le retour de produits, consultez :  
<http://www.motorolasolutions.com/recycling/weee>.

**Español:** Para clientes en la Unión Europea: todos los productos deberán entregarse a Motorola Solutions al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite:  
<http://www.motorolasolutions.com/recycling/weee>.

**Български:** За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Motorola Solutions за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: <http://www.motorolasolutions.com/recycling/weee>.

**Deutsch:** Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola Solutions zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter <http://www.motorolasolutions.com/recycling/weee>.

**Italiano:** per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Motorola Solutions al fine di consentirne il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: <http://www.motorolasolutions.com/recycling/weee>.

**Português:** Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Motorola Solutions para reciclagem. Para obter informações sobre como devolver o produto, visite:  
<http://www.motorolasolutions.com/recycling/weee>.

**Nederlands:** Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola Solutions te worden teruggezonden voor recycling. Raadpleeg <http://www.motorolasolutions.com/recycling/weee> voor meer informatie over het terugzenden van producten.

**Polski:** Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należą i zwrócić do firmy Motorola Solutions w celu ich utylizacji. Informacje na temat zwrotu produktów znajdują się na stronie internetowej <http://www.motorolasolutions.com/recycling/weee>.

**Čeština:** Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Motorola Solutions k recyklaci. Informace o způsobu vrácení produktu najdete na webových stránkách:  
<http://www.motorolasolutions.com/recycling/weee>.

**Eesti:** EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Motorola Solutions'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi:  
<http://www.motorolasolutions.com/recycling/weee>.

**Magyar:** Az EU-ban vásárlóknak: Minden tönkrement terméket a Motorola Solutions vállalatához kell eljuttatni újrhasználtság céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalóért látogasson el a <http://www.motorolasolutions.com/recycling/weee> weboldalra.

**Svenska:** För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Motorola Solutions för återvinning. Information om hur du returnerar produkten finns på <http://www.motorolasolutions.com/recycling/weee>.

**Suomi:** Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Motorola Solutions-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa <http://www.motorolasolutions.com/recycling/weee>.



**Dansk:** Til kunder i EU: Alle produkter skal returneres til Motorola Solutions til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: <http://www.motorolasolutions.com/recycling/weee>.

**Ελληνικά:** Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Motorola Solutions για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση <http://www.motorolasolutions.com/recycling/weee> στο Διαδίκτυο.

**Malti:** Għal klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-aħħar tal-ħajja ta' l-użu tagħhom, iridu jiġu rritornati għand Motorola Solutions għar-riciklaġġ. Għal aktar tagħrif dwar kif għandek tirritorna l-prodott, jekk jogħġbok żur: <http://www.motorolasolutions.com/recycling/weee>.

**Românesc:** Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Motorola Solutions pentru reciclare. Pentru informații despre returnarea produsului, accesați: <http://www.motorolasolutions.com/recycling/weee>.

**Slovenski:** Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Motorola Solutions za reciklažo. Za informacije o vračilu izdelka obiščite: <http://www.motorolasolutions.com/recycling/weee>.

**Slovenčina:** Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Motorola Solutions na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: <http://www.motorolasolutions.com/recycling/weee>.

**Lietuvių:** ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti gražinti utilizuoti į kompaniją „Motorola Solutions“. Daugiau informacijos, kaip gražinti gaminį, rasite: <http://www.motorolasolutions.com/recycling/weee>.

**Latviešu:** ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Motorola Solutions otrreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Motorola, lūdzu, skatiet: <http://www.motorolasolutions.com/recycling/weee>.

**Türkçe:** AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüşürme için Motorola Solutions'ya iade edilmelidir. Ürünlerin nasıl iade edileceği hakkında bilgi için lütfen şu adresi ziyaret edin: <http://www.motorolasolutions.com/recycling/weee>.

## ***TURKISH WEEE Statement of Compliance***

EEE Yönetmeliğine Uygundur







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