

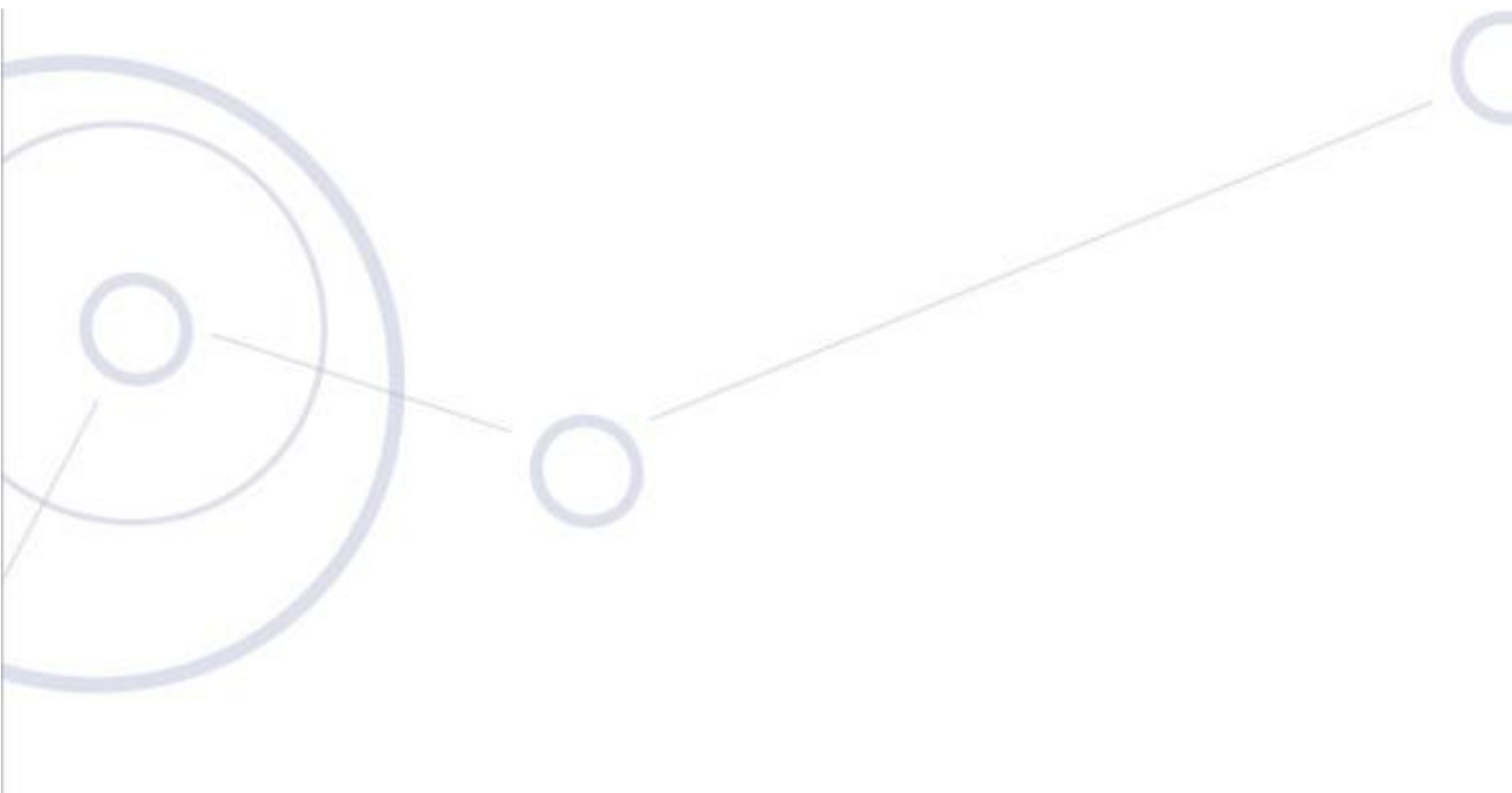
# RADWIN

## RADWIN 5000 JET 5.x GHz

5 GHz Beamforming Outdoor Radio Device

---

### REFERENCE GUIDE



# Regulatory Compliance

## FCC/ISED - Compliance

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 and ISED RSS standards. 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.

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



### Warning

---

It is the responsibility of the installer to ensure that when using the outdoor antenna kits, only those antennas certified with the product are used. The use of any antenna other than those certified with the product is expressly forbidden by FCC rules 47 CFR part 15.204 and ISED RSS standards.

---



### Avertissement

---

Il est de la responsabilité de l'installateur de s'assurer que lorsque vous utilisez les kits d'antennes extérieures, seules les antennes certifiées avec le produit sont utilisés. L'utilisation d'une antenne autre que ceux qui sont certifiées avec le produit est expressément interdite par la réglementation FCC partie 47 CFR 15.204 et ISDE normes RSS.

---



### Caution

---

Outdoor units and antennas should be installed ONLY by experienced installation professionals who are familiar with local building and safety codes and, wherever applicable, are licensed by the appropriate government regulatory authorities. Failure to do so may void the product warranty and may expose the end user or the service provider to legal and financial liabilities. Resellers or distributors of this equipment are not liable for injury, damage or violation of regulations associated with the installation of outdoor units or antennas. The installer should configure the output power level of antennas according to country regulations and antenna type.

---



### **Prudence**

---

Les unités extérieures et les antennes doivent être installés que par des professionnels expérimentés d'installation qui sont familiers avec les normes locales et les codes de sécurité et, si applicable, sont agréées par les autorités gouvernementales de réglementation compétents. Ne pas le faire peut annuler la garantie du produit et peuvent exposer l'utilisateur final ou le fournisseur de services d'obligations juridiques et financiers. Revendeurs ou distributeurs de ces équipements ne sont pas responsables des blessures, des dommages ou violation des règlements liés à l'installation des unités extérieures ou des antennes. L'installateur doit configurer le niveau de puissance de sortie des antennes conformément aux réglementations nationales et le type d'antenne.

---



### **Warning**

---

The device must be installed to provide a separation distance of at least 52 cm from all persons

---



### **Avertissement**

---

L'appareil doit être installé pour fournir une distance de séparation d'au moins 96 cm de toutes les personnes

---



### **Warning**

---

The device is granted to operate under FCC certification in the 4.9 / 5.2 / 5.3 / 5.4 / 5.8 GHz bands.

---



### **Avertissement**

---

L'appareil est autorisé à fonctionner sous certification ISDE dans les bandes 4,9 / 5,3 / 5,4 / 5,8 GHz.

---

This device complies with Part 15 of the FCC rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme la norme d'Industrie Canada exempts de licence RSS (s). Son fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne peut pas causer d'interférences, et
2. Cet appareil doit accepter toute 3nterference, y compris les 3nterferences qui peuvent causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme la norme NMB-003 du Canada

---

## Overview

The RADWIN 5000 JET 5.x GHz is a 5 GHz Base Station operating in the 4.9, 5.2, 5.3, 5.4 and 5.8 GHz frequency bands. It is a TDD OFDM radio supporting 5, 10, 20 MHz, 40 MHz and 80 MHz channel bandwidths. It is a 2x2 MIMO base station.

The RADWIN 5000 JET 5.x GHz incorporates an integrated beamforming antenna with software capability to toggle between wide and narrow transmission angles and thus enhance data throughput efficiency with the subscriber units.

The RADWIN 5000 JET 5.x GHz is certified under the FCC ID: Q3K-BFJET5XT40. It is also certified under IC: 5100A-BFJET5XT40 excluding the 5.2 GHz band.

## Condition of Use

The RADWIN 5000 JET 5.x GHz is a proprietary base station manufactured by RADWIN. The device is not for sale to the general public and requires professional installation.

## FCC rules and ISED Regulation Restrictions

The firmware is factory programmed to operate under the FCC rules and ISED regulation restrictions. The firmware is locked and inaccessible by third party. As a result of the above the user interface allows both the installer and the user to control the host only within the boundaries of the regional restrictions.

## Part 15 Subpart B disclaimer

The RADWIN 5000 JET 5.x GHz is authorized only for FCC rules Part 90Y and Part 15E.

## Antenna

The RADWIN 5000 JET 5.x GHz incorporates an integrated beamforming antenna capable of transmitting in wide and narrow angle modes

Antenna details:

Antenna Type	Operating Mode	Antenna Passive Gain (dBi)	Antenna BF Gain	Antenna Overall Gain (dBi)
Integrated Beamforming	Narrow	11.0	9.5	20.5
Integrated Beamforming	Wide	11.0	--	11.0

# Maximum Output Power

## **5725 – 5850 MHz band – FCC Part 15 Subpart E, RSS 247**

The maximum output power is set as follows, under FCC and ISED regulations.

10 MHz: 29.0 dBm  
20 MHz: 29.0 dBm  
40 MHz: 29.0 dBm  
80 MHz: 29.0 dBm

## **5150 – 5250 MHz band – FCC Part 15 Subpart E**

The maximum output power is set as follows, under FCC regulations.

10 MHz: 23.0 dBm  
20 MHz: 23.0 dBm  
40 MHz: 22.0 dBm  
80 MHz: 20.0 dBm

## **5250 – 5350 MHz band – FCC Part 15 Subpart E, ISED RSS 247**

The maximum output power is set as follows, under FCC and ISED regulations. The power values are for systems with 13 dBi antenna gain not exceeding the 30 dBm EIRP limit

10 MHz: 15.0 dBm  
20 MHz: 18.0 dBm  
40 MHz: 18.0 dBm  
80 MHz: 18.0 dBm

## **5470 – 5725 MHz band – FCC Part 15 Subpart E, ISED RSS 247**

The maximum output power is set as follows, under FCC and ISED regulations.

10 MHz: 15.0 dBm  
20 MHz: 18.0 dBm  
40 MHz: 18.0 dBm  
80 MHz: 18.0 dBm

## **4940 – 4990 MHz band – FCC Part 90 Subpart Y, ISED RSS 111**

The maximum output power is set as follows, under FCC and ISED regulations.

5 MHz: 26.0 dBm  
10 MHz: 26.0 dBm  
20 MHz: 26.0 dBm

## Labelling Requirements

The device is labeled with the identification numbers as follows:

FCC ID: Q3K-BFJET5XT40

IC: 5100A-BFJET5XT40