

# Draft Integration Manual

## Modular Transmitter WRTZ-2000

- These statements will be component parts of the final integration manual –

This device has been designed to operate with no more than 1 Watt into the antenna and an antenna gain of no more than 6 dBic. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada, unless power into the antenna is decreased to compensate for the increased antenna gain. The required antenna impedance is 50 ohms.

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

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit an RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at [www.hc-sc.gc.ca](http://www.hc-sc.gc.ca)

Only following tested antenna may be used:

PAM9158UN1CP01SK110MM: circular, 68° vertical, 70° horizontal (4.5 dBic).

Checkpoint part number of 2 antennae assembled on metal sheet is 10075954.

### **RF-Exposure compliance:**

This module complies with the FCC/IC SAR requirements and is not intended to be operated within 20cm of the body. The following statement must be included as a CAUTION statement in manuals for OEM products to alert users on FCC/IC RF exposure compliance:

"WARNING: To satisfy FCC/IC RF exposure requirements for mobile transmitting devices, a separation distance of 20cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operations at closer distances than this are not recommended."

### **Label requirements:**

The module carry FCC and IC authorization and is marked with the FCC ID /IC-Number. Whilst any device into which this authorized module is installed will not normally be required to obtain FCC/IC authorization, this does not preclude the possibility that some other form of authorization or testing may be required for the finished device.

When the module is integrated inside another device/product, then the outside surface of that device/product must display a label referring to the enclosed module. This exterior label can use wording such as "Contains Transmitter Module FCC ID: DO4WRTZ2000/Contains Transmitter Module IC: 3356B-WRTZ2000" or "Contains FCC ID: DO4WRTZ2000/Contains IC: 3356B-WRTZ2000" although any similar wording that expresses the same meaning may be used.

**FCC Statements:**

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

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**Canada Statements:**

This device complies with Industry Canada licence-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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Illustration of integration will be displayed in the  
final version