



# Certificate of Compliance

**Certificate:** 1677417

**Master Contract:** 218999

**Project:** 70041757

**Date Issued:** September 16, 2015

**Issued to:** JVCKENWOOD Canada, Inc.

6070 Kestrel Rd  
Mississauga, ON L5T 1S8  
Canada  
Attention: Robert Harvey

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



*Zafar Iqbal*

**Issued by:** Zafar Iqbal

## **PRODUCTS**

**CLASS 2228 81** - RADIO APPLIANCES - Transmitters and Receivers, Amateur, Commer -  
Communication-For Hazardous Locations-Certified to U.S. Stand

**CLASS 2228 01** - RADIO APPLIANCES - Transmitters and Receivers, Amateur, -  
Commercial and Communication - For Hazardous Locations

**CLASS 2228 01** - RADIO APPLIANCES - Transmitters and Receivers - Amateur, Commercial and  
Communication – For Hazardous Locations

**Class I, Division 1, Groups C and D; Class II, Division 1, Groups E, F and G; Class III, Division 1:**

**Class I, Division 2, Groups A, B, C and D:**

- Models TK-2180 (VHF) and TK-3180 (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-41NC 7.2V NiMH Battery Pack and Accessories per User Document B59-2424. Temperature Code T3C at Ta = - 30°C to + 60°C.



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**Notes:**

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.
2. In Class I, Division 2, Groups A and B, a Kenwood Carrying Case must be used as outlined in referenced User Document B59-2424.

- Models NX-200 (VHF), NX-300 (UHF), TK-5220 (VHF) and TK-5320 (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-50NC 7.2V NiMH Battery Pack and Accessories per User Document B59-2531. Temperature Code T3C at Ta = - 30°C to + 60°C.

**Notes:**

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.
2. In Class I, Division 2, Groups A and B, Kenwood Carrying Case KLH-148 or KLH-149 must be used as outlined in referenced User Document B59-2531.

- Models NX-210 (VHF), NX-410 (800MHz), NX-411 (900MHz) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-41NC 7.2V NiMH Battery Pack and Accessories per User Document B59-2665. Temperature Code T3C at Ta = - 30°C to + 60°C (see note 3 below).

**Notes:**

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.
2. In Class I, Division 2, Groups A and B, Kenwood Carrying Case KLH-154 must be used as outlined in referenced User Document B59-2665.
3. Kenwood Carrying Case KLH-154 must be used in ambient temperatures below -20°C as outlined in referenced User Document B59-2665.

**Class I, Division 1, Groups D; Class II, Division 1, Groups E, F and G; Class III, Division 1;**

**Class I, Division 2, Groups A, B, C and D:**

- Models TK-5210 (VHF), TK-5310 (UHF) and TK-5410 (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-41NC 7.2V NiMH Battery Pack and Accessories per User Document B59-2427. Temperature Code T3C at Ta = - 30°C to + 60° C.

**Notes:**

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.



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2. In Class I, Division 2, Groups A and B, a Kenwood Carrying Case must be used as outlined in referenced User Document B59-2427.

**Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III, Division 1:**

**Class I, Division 2, Groups A, B, C and D:**

- Models NX-200AB (VHF), NX-300AB (UHF), TK-5220AB (VHF) and TK-5320AB (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-61LC or KNB-72LC 7.4V Li-Ion Battery Pack and Accessories per User Document B59-2635. Temperature Code T3C at Ta = - 30°C to + 60°C.

- Models NX-210AB (VHF), NX-410AB (800MHz), NX-411AB (900MHz) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-66LC 7.4V Li-Ion Battery Pack and Accessories per User Document B59-2703. Temperature Code T3C at Ta = - 30°C to + 60°C.

**CLASS 2228 81** - RADIO APPLIANCES - Transmitters and Receivers - Amateur, Commercial and Communication – For Hazardous Locations - Certified to U.S. Standards

**Class I, Division 1, Groups C and D; Class II, Division 1, Groups E, F and G; Class III, Division 1:**

**Class I, Division 2, Groups A, B, C and D:**

- Models NX-210 (VHF), NX-410 (800MHz), NX-411 (900MHz) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-41NC 7.2V NiMH Battery Pack or KNB-66LC 7.4V Li-Ion Battery Pack and Accessories per User Document B59-2720. Temperature Code T3C at Ta = - 30°C to + 60°C (see note 3 below).

**Notes:**

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area (KNB-41NC battery pack only).

2. In Class I, Division 2, Groups A and B, Kenwood Carrying Case KLH-154 must be used as outlined in referenced User Document B59-2720 (KNB-41NC battery pack only).

3. Kenwood Carrying Case KLH-154 must be used in ambient temperatures below -20°C as outlined in referenced User Document B59-2720 (KNB-41NC battery pack only).

- Models NX-200 (VHF), NX-300 (UHF), TK-5220 (VHF) and TK-5320 (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-50NC 7.2V NiMH Battery Pack or KNB-72LC 7.4V Li-Ion Battery Pack and Accessories per User Document B59-2781. Temperature Code T3C at Ta = - 30°C to + 60°C.

**Notes:**

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.

2. In Class I, Division 2, Groups A and B, Kenwood Carrying Case KLH-148 or KLH-149 must be used as outlined in referenced User Document B59-2781.



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- Models TK-2180 (VHF) and TK-3180 (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-41NC 7.2V NiMH Battery Pack and Accessories per User Document B5K-0200. Temperature Code T3C at Ta = - 30°C to + 60°C.

Notes:

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.
2. In Class I, Division 2, Groups A and B, a Kenwood Carrying Case must be used as outlined in referenced User Document B5K-0200.

**Class I, Division 1, Groups D; Class II, Division 1, Groups E, F and G; Class III, Division 1;**

**Class I, Division 2, Groups A, B, C and D:**

- Models TK-5210 (VHF), TK-5310 (UHF) and TK-5410 (UHF) portable two-way radios. Intrinsically Safe with Kenwood Model KNB-41NC 7.2V NiMH Battery Pack and Accessories per User Document B5K-0201. Temperature Code T3C at Ta = - 30°C to + 60° C.

Notes:

1. In Class I, Division 2, Groups A and B, the battery pack must only be changed in a non-hazardous area.
2. In Class I, Division 2, Groups A and B, a Kenwood Carrying Case must be used as outlined in referenced User Document B5K-0201.

**APPLICABLE REQUIREMENTS**

C22.2 No. 0-10 - General Requirements - Canadian Electrical Code, Part II

C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA-C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations



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UL913:1997 (5th Edition) - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

ANSI/ISA-12.12.01-2011 - Nonincendive Electrical Equipment for Use in Class I and Class II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations