

AUG 22 2005



CLIENT : KENWOOD USA CORP., COMMUNICATIONS DIVISION
Address : 3975 Johns Creek Court, Suite 300
City : Suwanee, GA 30024
Attn : Joel Berger

Test Report No: 115959 R1 Date: August 9th, 2005

This Report supersedes all previous documents bearing the reference 115959

SAMPLE DESCRIPTION : Test and Evaluation of Kenwood Transceiver models TK-2160-K, TK-3160-K, TK-3160-K2 and TK-3160-K3 with previously evaluated Kenwood battery packs KNB-24L and KNB-40LC

Date of receipt : 6 / 15 / 2004

Testing period : 6 / 30 / 2004 through 9 / 15 / 2004

AUTHORIZATION : SGS USTC confirmation and Client Purchase Order
REFERENCES : ANSI/UL 913, "Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations", Sixth Edition. ANSI/NFPA 70, National Electrical Code, Articles 500 and 505. Canadian Electrical Code, Part I, C22.1. 6.1.2.

TEST(S) REQUESTED: Intrinsic safety evaluation of the above sample to the requirements of ANSI / UL 913, "Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations", Sixth Edition

TEST RESULTS: See accompanying Test Report

CONCLUSION: Considering the tests and evaluation conducted, the Kenwood model TK2160/3160 transceivers were found to comply with INTRINSICALLY SAFE requirements of ANSI/UL 913-6 ed for Division 1, Class I, Groups A, B, C & D, Class II, Groups E, F & G, Class III hazardous locations only as evaluated with Kenwood Battery packs KNB-24L, KNB-40LC and towards SGS USTC Listing & Labeling Program. In addition, they are permitted in Division 2, Class I, Groups A, B, C and D, Class II, Groups F, G, and Class III.

Prepared By

Reviewed By

**Signed for and on behalf of
SGS U.S. Testing Company Inc.**

Ray Lopez
Project Engineer
Electrical Conformity Assessment

John Lomash
Manager
Hardlines Operations

Wayne Gruber
Department Head
Electrical Conformity Assessment

This report is issued by SGS U.S. Testing Company Inc. under its General Conditions for Testing Services (copy available upon request). SGS U.S. Testing's responsibility under this report is limited to proven negligence and will in no case be more than the amount of the testing fees. Except by special arrangement, samples are not retained by SGS U.S. Testing for more than 30 days. The results shown on this test report refer only to the sample(s) tested unless otherwise stated, under the conditions agreed upon. Anyone relying on this report should understand all of the details of the engagement. Neither the name, seals, marks nor insignia of SGS U.S. Testing may be used in any advertising or promotional materials without the prior written approval of SGS U.S. Testing. The test report cannot be reproduced, except in full, without prior written permission of SGS U.S. Testing Company Inc.