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Test Report

Prepared for: JVC Kenwood Corporation

Model: NX-820H-K / NX-820HG-K

Description: UHF Digital Transceiver

To

FCC Part 1.1310

Date of Issue: August 24, 2012

On the behalf of the applicant:

JVC Kenwood Corporation
1-16-2, Hakusan Midori-ku
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Attention of:

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Project No: p1280011

John Erhard
Project Test Engineer

Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	August 24, 2012	John Erhard	Original Document
2.0	September 6, 2012	John Erhard	Clarify the test report detailing how the 50% duty factor was applied. Edit antenna information.

ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

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IC Reg. #2044A-1

Non-accredited tests contained in this report:

N/A

Measurement Description

The EUT was placed inside an anechoic chamber at a height of 1.2 meters to simulate being mounted on a vehicle. The isotropic probe was placed a distance of 40 cm from the EUT and the power density was measured at 0.2m increments from 0.2m to 2.0m with the peak value from each location being recorded in the corresponding data tables.

The general population limit was applied to all measurements.

The EUT is a PTT radio for mobile application with a peak power of 45W. By allowing for an operational 50% duty factor the power was reduced to 22.5W for testing purposes yet transmitted continuously during the test.
A 0 dBd antenna was utilized for testing.

Measurement Result

450MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.01	0.3	Pass
0.4	0.01	0.3	Pass
0.6	0.01	0.3	Pass
0.8	0.01	0.3	Pass
1.0	0.05	0.3	Pass
1.2	0.08	0.3	Pass
1.4	0.09	0.3	Pass
1.6	0.05	0.3	Pass
1.8	0.03	0.3	Pass
2.0	0.02	0.3	Pass

481MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.01	0.32	Pass
0.4	0.01	0.32	Pass
0.6	0.01	0.32	Pass
0.8	0.05	0.32	Pass
1.0	0.10	0.32	Pass
1.2	0.14	0.32	Pass
1.4	0.17	0.32	Pass
1.6	0.11	0.32	Pass
1.8	0.07	0.32	Pass
2.0	0.03	0.32	Pass

512 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.01	0.34	Pass
0.4	0.01	0.34	Pass
0.6	0.02	0.34	Pass
0.8	0.04	0.34	Pass
1.0	0.08	0.34	Pass
1.2	0.17	0.34	Pass
1.4	0.18	0.34	Pass
1.6	0.14	0.34	Pass
1.8	0.08	0.34	Pass
2.0	0.05	0.34	Pass

Test Equipment Utilized

Description	Manufacturer	Model #	CT Asset #	Last Cal Date	Cal Due Date
Power Supply	HP	6673A	i00191	Verified on:8/23/12	
Semi-Anechoic Chamber	CT	N/A	i00276	8/31/11	8/31/12
Isotropic E Field Probe	ETS Lindgren	HI 6005	i00300	8/2/12	8/2/13

END OF TEST REPORT