TEST REPORT

REGULATION : **FCC Part 1.1310**

Applicant	Testing Laboratory
JVC KENWOOD Corporation 1-16-2, Hakusan, Midori-ku, Yokohama-shi Kanagawa, 226-8525 Japan Tel.: +81 45 939 6254 Fax.: +81 45 939 6261	Intertek Japan K. K. Kashima Laboratory URL: http://www.japan.intertek-etlsemko.com 3-2 Sunayama, Kamisu, Ibaraki 314-0255 Japan Tel. +81 479 40 1097

Equipment type	VHF DIGITAL TRANSCEIVER
Trademark	KENWOOD
Model(s)	NX-740-M,NX-740H-K,NX-740HV-K
Serial No.	V14
FCC ID	K44452600
Test Result	Complied
Report Number	13120342JKA-001
Report issue date	January 24, 2014

Approved by

H. Kosemura

Hideaki Kosemura

[Assistant Manager]

Tested by

K. Wagatsuma

Koichi Wagatsuma

[Engneer]

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SECTION 1. INFORMATION

APPLICANT

Company	JVC KENWOOD Corporation
Address	1-16-2, Hakusan, Midori-ku, Yokohama-shi Kanagawa, 226-8525 Japan
Contact Person	Tamaki Shimamura Manager, Communications Equipment Division

MANUFACTURER

Company	JVC KENWOOD Corporation
Address	1-16-2, Hakusan, Midori-ku, Yokohama-shi Kanagawa, 226-8525 Japan

EQUIPMENT UNDER TEST

Model No.	NX-740-M,NX-740H-K,NX-740HV-K	
Serial No.	V14	
Frequency range	150 to 174 MHz	
Maximum Power Rating	50	W
Duty cycle	50	%
Collector Current, A	15.0	amps (Maximum)
Collector Voltage, Vdc	13.6	Vdc
Supply Voltage, Vdc	13.6	Vdc

TEST DATE OF ISSUE AND TEST ENGINEER

Date of Issue	January 15, 2014
Test Engineer	Koichi Wagatsuma
Test Location	Kashima Immunity Test Room

Revision Summary

Revised Date	Section	Description of Changes

SECTION 2. TEST DATA

The EUT was placed inside an semi anechoic chamber at height of 0.8 m to simulate being mounted on a vehicle
The isotropic probe was placed a distance of 0.4 m from the EUT and power density was measurec
at 0.2 m increments from 0.2 m to 2.0 m 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 50 W. By allowing for an operational 50 %
factor the power was reduced to 25 W for testing purposes yet transmitted continuously during the test
A 0 dBd antenna was utilized for testing.

Measurement Result

150.05 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.027	0.20	Pass
0.4	0.063	0.20	Pass
0.6	0.093	0.20	Pass
0.8	0.079	0.20	Pass
1.0	0.056	0.20	Pass
1.2	0.089	0.20	Pass
1.4	0.076	0.20	Pass
1.6	0.037	0.20	Pass
1.8	0.017	0.20	Pass
2.0	0.010	0.20	Pass

162.05 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.026	0.20	Pass
0.4	0.056	0.20	Pass
0.6	0.084	0.20	Pass
0.8	0.078	0.20	Pass
1.0	0.029	0.20	Pass
1.2	0.021	0.20	Pass
1.4	0.019	0.20	Pass
1.6	0.011	0.20	Pass
1.8	0.006	0.20	Pass
2.0	0.004	0.20	Pass

173.95 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.034	0.20	Pass
0.4	0.072	0.20	Pass
0.6	0.090	0.20	Pass
0.8	0.079	0.20	Pass
1.0	0.070	0.20	Pass
1.2	0.098	0.20	Pass
1.4	0.077	0.20	Pass
1.6	0.033	0.20	Pass
1.8	0.014	0.20	Pass
2.0	0.006	0.20	Pass

SECTION 3. LIST OF MEASURING INSTRUMENTS

Instrument	Model No.	Serial No.	Manufacturer	Cal Date	Cal Due Date
Power Supply	GZV4000	90290931	Daiichi denpa kogyo	N/A	N/A
Digital Multi Meter	8846A	9642018	FLUKE	2013/5/31	2014/5/31
Fleid Probe	HI 6005	130665	ETS Lindgren	2013/1/15	2014/1/31