TEST REPORT

REGULATION : **FCC Part 1.1310**
RSS-102 Issue 4

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	800MHz DIGTAL TRANSCEIVER
Trademark	KENWOOD
FCC Model(s)	NX-920G-K,NX-920-K
IC Model	NX-920G-K
Serial No.	00012042
FCC ID	K44458300
IC CN and UPN	282F-458300
Test Result	Complied
Report Number	13040117JKA-004
Report issue date	May 27, 2013
Revised issue date	June 10, 2013

Approved by K. Gokita

Kazuo Gokita

[Manager]

Tested by K. Wagatsuma

Koichi Wagatsuma

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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-920G-K,NX-920-K	
Serial No.	00012042	
Frequency range	806 to 824 MHz and 851 to 869 MHz	
Maximum Power Rating	15	W
Duty cycle	50	%
Collector Current, A	9.0	amps (Maximum)
Collector Voltage, Vdc	13.6	Vdc
Supply Voltage, Vdc	13.6	Vdc

TEST DATE OF ISSUE AND TEST ENGINEER

Date of Issue	May 07, 2013
Test Engineer	Koichi Wagatsuma
Test Location	Kashima Immunity Test Room

Revision Summary

Revised Date	Section	Description of Changes
June 10, 2013	Cover page	・Addition of regulation RS-102 issue 4 and IC model ・Change of the original report number 13040117JK-002 to 13040117JKA-004

SECTION 2. TEST DATA

The EUT was placed inside an anechoic chamber at height of 0.8 m to simulate being mounted on a vehicle. The isotropic probe was placed a distance of 0.2 cm from the EUT and power density was measured 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 15 W. By allowing for an operational 50 % factor the power was reduced to 7.5 W for testing purposes yet transmitted continuously during the test.
A 0 dBd antenna was utilized for testing.

Measurement Result

806.05 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.003	0.54	Pass
0.4	0.006	0.54	Pass
0.6	0.022	0.54	Pass
0.8	0.034	0.54	Pass
1.0	0.102	0.54	Pass
1.2	0.114	0.54	Pass
1.4	0.256	0.54	Pass
1.6	0.162	0.54	Pass
1.8	0.039	0.54	Pass
2.0	0.014	0.54	Pass

815.05 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.004	0.54	Pass
0.4	0.008	0.54	Pass
0.6	0.032	0.54	Pass
0.8	0.035	0.54	Pass
1.0	0.112	0.54	Pass
1.2	0.114	0.54	Pass
1.4	0.288	0.54	Pass
1.6	0.177	0.54	Pass
1.8	0.044	0.54	Pass
2.0	0.015	0.54	Pass

823.95 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.007	0.55	Pass
0.4	0.015	0.55	Pass
0.6	0.057	0.55	Pass
0.8	0.052	0.55	Pass
1.0	0.146	0.55	Pass
1.2	0.159	0.55	Pass
1.4	0.386	0.55	Pass
1.6	0.258	0.55	Pass
1.8	0.058	0.55	Pass
2.0	0.021	0.55	Pass

851.05 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.010	0.57	Pass
0.4	0.042	0.57	Pass
0.6	0.140	0.57	Pass
0.8	0.181	0.57	Pass
1.0	0.176	0.57	Pass
1.2	0.228	0.57	Pass
1.4	0.485	0.57	Pass
1.6	0.367	0.57	Pass
1.8	0.101	0.57	Pass
2.0	0.031	0.57	Pass

860.05 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.009	0.57	Pass
0.4	0.044	0.57	Pass
0.6	0.147	0.57	Pass
0.8	0.215	0.57	Pass
1.0	0.202	0.57	Pass
1.2	0.205	0.57	Pass
1.4	0.453	0.57	Pass
1.6	0.341	0.57	Pass
1.8	0.092	0.57	Pass
2.0	0.028	0.57	Pass

868.95 MHz

Probe Height (m)	Peak Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
0.2	0.008	0.58	Pass
0.4	0.039	0.58	Pass
0.6	0.135	0.58	Pass
0.8	0.237	0.58	Pass
1.0	0.192	0.58	Pass
1.2	0.173	0.58	Pass
1.4	0.379	0.58	Pass
1.6	0.248	0.58	Pass
1.8	0.085	0.58	Pass
2.0	0.023	0.58	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	2012/5/11	2013/5/31
Field Probe	HI 6005	130665	ETS Lindgren	2013/1/15	2014/1/31