



Test Report

Prepared for: JVC Kenwood Corporation

Model: NX-720H-K / NX-720HG-K

Description: VHF Digital Transceiver

To

FCC Part 1.1310

Date of Issue: August 24, 2012

On the behalf of the applicant:

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Attention of:

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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.



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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 of 0.2 mW/cm² was applied to all measurements.

The EUT is a PTT radio for mobile application with a peak power of 50W. By allowing for an operational 50% duty factor the power was reduced to 25W for testing purposes yet transmitted continuously during the test. A 0 dBd antenna was utilized for testing.

Measurement Result

138 MHz

Probe Height (m)	Peak Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
0.2	0.03	0.2	Pass
0.4	0.02	0.2	Pass
0.6	0.01	0.2	Pass
0.8	0.02	0.2	Pass
1.0	0.05	0.2	Pass
1.2	0.07	0.2	Pass
1.4	0.08	0.2	Pass
1.6	0.09	0.2	Pass
1.8	0.10	0.2	Pass
2.0	0.07	0.2	Pass

150 MHz

Probe Height (m)	Peak Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
0.2	0.01	0.2	Pass
0.4	0.01	0.2	Pass
0.6	0.01	0.2	Pass
0.8	0.01	0.2	Pass
1.0	0.03	0.2	Pass
1.2	0.05	0.2	Pass
1.4	0.06	0.2	Pass
1.6	0.05	0.2	Pass
1.8	0.03	0.2	Pass
2.0	0.02	0.2	Pass



162 MHz

Probe Height (m)	Peak Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
0.2	0.01	0.2	Pass
0.4	0.01	0.2	Pass
0.6	0.01	0.2	Pass
0.8	0.03	0.2	Pass
1.0	0.07	0.2	Pass
1.2	0.10	0.2	Pass
1.4	0.10	0.2	Pass
1.6	0.10	0.2	Pass
1.8	0.08	0.2	Pass
2.0	0.06	0.2	Pass

174 MHz

Probe Height (m)	Peak Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
0.2	0.01	0.2	Pass
0.4	0.01	0.2	Pass
0.6	0.01	0.2	Pass
0.8	0.02	0.2	Pass
1.0	0.03	0.2	Pass
1.2	0.04	0.2	Pass
1.4	0.04	0.2	Pass
1.6	0.04	0.2	Pass
1.8	0.03	0.2	Pass
2.0	0.02	0.2	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	8/02/12	8/02/13

END OF TEST REPORT