

TEST REPORT

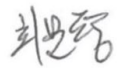
FCC RF Exposure Test for NX-3921G-K
Certification

APPLICANT
JVCKENWOOD Corporation

REPORT NO.
HCT-SR-2605-FC001-R1

DATE OF ISSUE
June 8, 2026

Tested by
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TEST REPORT

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HCT-SR-2605-FC001-R1

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June 08, 2026

Applicant

JVCKENWOOD Corporation

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Product Name

900MHz DIGITAL TRANSCEIVER

Model Name

NX-3921G-K

FCC ID

K44502601

Date of Test

June 08, 2026

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing

(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

Test Standard Used

CFR § 2.1091

Test Results

PASS

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	May 22, 2026	Initial Release
1	June 08, 2026	Revised Prediction distance

Notice

Content

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the ISED Rules under normal use and maintenance.

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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1. LIMITS

According to § 1.1310 and § 2.1091 RF exposure is calculated.

Table 7: RF field strength and power density limits for devices used by the general public
(uncontrolled environment)

(B) Limits for General Population/Uncontrolled Exposures				
Frequency Range (MHz)	Electric field Strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
0.3-1.34	614	1.63	#(100)	30
1.34-30	$824/f$	$2.19/f$	$\#(180/f^2)$	30
30-300	27.5	0.073	0.2	30
300-1 500			$f/1500$	30
1 500-100 000			1.0	30

Note: f = frequency in MHz.

=Plane-wave equivalent power density.

2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

$$S = PG/4\pi R^2$$

S = Power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

3. RESULTS

3.1 MPE calculation

896~901 MHz		
Max output Power at antenna input terminal	41.90	dBm
Max output Power at antenna input terminal(Duty Cycle 50% Applied)	7750	mW
Prediction distance	70.00	cm
Prediction frequency	896.00	MHz
Antenna Gain(typical)	2.15	dBi
Antenna Gain(numeric)	1.64	-
Power density at prediction frequency (S)	0.2065	mW/cm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	0.5973	mW/cm ²

935~940 MHz		
Max output Power at antenna input terminal	41.90	dBm
Max output Power at antenna input terminal(Duty Cycle 50% Applied)	7750	mW
Prediction distance	70.00	cm
Prediction frequency	935.00	MHz
Antenna Gain(typical)	2.15	dBi
Antenna Gain(numeric)	1.64	-
Power density at prediction frequency (S)	0.2065	mW/cm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	0.6233	mW/cm ²

901~902 MHz		
Max output Power at antenna input terminal	37.40	dBm
Max output Power at antenna input terminal(Duty Cycle 50% Applied)	2750	mW
Prediction distance	70.00	cm
Prediction frequency	901.00	MHz
Antenna Gain(typical)	2.15	dBi
Antenna Gain(numeric)	1.64	-
Power density at prediction frequency (S)	0.0733	mW/cm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	0.6007	mW/cm ²

940~941 MHz		
Max output Power at antenna input terminal	37.40	dBm
Max output Power at antenna input terminal(Duty Cycle 50% Applied)	2750	mW
Prediction distance	70.00	cm
Prediction frequency	940.00	MHz
Antenna Gain(typical)	2.15	dBi
Antenna Gain(numeric)	1.64	-
Power density at prediction frequency (S)	0.0733	mW/cm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	0.6267	mW/cm ²

End.