

TEST REPORT

FCC MPE Test for ADXV-R-33S8CPSB
Certification

APPLICANT
ADRF KOREA, Inc.

REPORT NO.
HCT-RF-2604-FC067

DATE OF ISSUE
April 29, 2026

Tested by
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Kwon Jeong



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April 29, 2026

Applicant	ADRF KOREA, Inc. 196-16 IYEO-RO BAEKSA-MYEON ICHEON-SI, GYEONGGI-DO, 17316, KOREA
Product Name	DAS
Model Name	ADXV-R-33S8CPSB
FCC ID	N52-ADXV-R33S8PSB
Date of Test	March 6, 2026 ~ April 10, 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 47 Part 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	April 29, 2026	Initial Release

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 FCC 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).

RF Exposure Statement

1. LIMITS

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

(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 - 1500.....			f/1500	30
1500 - 100.000.....			1.0	30

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

- NPSPAC

Maximum output Power at antenna input terminal	33.50	dBm
Maximum output Power at antenna input terminal	2 238.72	mW
Prediction distance	71.00	cm
Prediction frequency	851.00	MHz
Antenna Gain(typical)	3.90	dBi
Antenna Gain(numeric)	2.45	-
Power density at prediction frequency(S)	0.0866	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5673	mW/cm ²

- B/ILT; SMR

Maximum output Power at antenna input terminal	33.50	dBm
Maximum output Power at antenna input terminal	2 238.72	mW
Prediction distance	71.00	cm
Prediction frequency	854.00	MHz
Antenna Gain(typical)	3.90	dBi
Antenna Gain(numeric)	2.45	-
Power density at prediction frequency(S)	0.0866	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5693	mW/cm ²

- ESMR

Maximum output Power at antenna input terminal	33.50	dBm
Maximum output Power at antenna input terminal	2 238.72	mW
Prediction distance	71.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	3.90	dBi
Antenna Gain(numeric)	2.45	-
Power density at prediction frequency(S)	0.0866	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- Cellular

Maximum output Power at antenna input terminal	33.50	dBm
Maximum output Power at antenna input terminal	2 238.72	mW
Prediction distance	71.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	3.90	dBi
Antenna Gain(numeric)	2.45	-
Power density at prediction frequency(S)	0.0866	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

Simultaneous band emission conditions**[Downlink]**

Band	MPE Ratio (Power density / Limit)	Sum of MPE Ratio	
NPSPAC	0.1526	0.6049	≤ 1
B/ILT; SMR	0.1521		
ESMR	0.1507		
Cellular	0.1495		

Notes:

1. The result of each band was applied to the worst value.
2. MPE ratios are calculated as
$$[(\text{Power density1} / \text{MPE Limit}) + [(\text{Power density2} / \text{MPE Limit}) + \dots] \leq 1$$