FCC 47 CFR PART 15 SUBPART B TEST REPORT

Test Report No.	**: OT-259-RED-108**
Reception No.	**: 2508002696**
Applicant	**: AREVISION CO.,LTD.**
Address	**: 603,604,605, Gasan-dong, Woolim LionsValley-2cha, 2 Gasan digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea**
Manufacturer	**: AREVISION CO.,LTD.**
Address	**: 603,604,605, Gasan-dong, Woolim LionsValley-2cha, 2 Gasan digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea**
Type of Equipment	**: RF Receiver Basic**
Model Name	**: RF Receiver Basic**
Multiple Model Name	**: RF Receiver Pro**
FCC ID	**:** 2BUSORF-RECEIVER
Serial number	**: N/A**
Total page of Report	**: 54 pages (including this page)**
Date of Incoming	**: August 12, 2025**
Test Period	**: September 18, 2025 ~ September 18, 2025**
Date of Issuing	**: September 26, 2025**

SUMMARY

The equipment complies with the requirement of
ANSI C63.4a: 2017 / FCC Part 15 Subpart B (CLASS A Digital devices & peripherals)
This test report contains only the results of a single test of the sample supplied for the examination.
It is not a general valid assessment of the features of the respective products of the mass-production.
This test report is not associated with the accreditation granted by the Korean Laboratory Accreditation Scheme (KOLAS).

Reviewed by: 오선택

Sun-Teak, Oh / Senior Project Engineer
ONETECH Corp.

Approved by: 박승현

Seung-Hyun, Park / Chief engineer
ONETECH Corp.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Revision History

Rev. No.	Issued Report No.	Issued Date	Revisions	Section Effected
0	OT-259-RED-108	September 26, 2025	Initial Release	All

* Please contact us (e-mail: info@onetech.co.kr) for verification of this test report.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

1. APPLICANT AND MANUFACTURER INFORMATION

-. Applicant	AREVISION CO.,LTD.
-. Address	603,604,605, Gasan-dong, Woolim LionsValley-2cha, 2 Gasan digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea
-. Manufacturer	AREVISION CO.,LTD.
-. Address	603,604,605, Gasan-dong, Woolim LionsValley-2cha, 2 Gasan digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea
-. Factory	AREVISION CO.,LTD.
-. Address	603,604,605, Gasan-dong, Woolim LionsValley-2cha, 2 Gasan digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

EQUIPMENT CLASS	CLASS A Digital devices & peripherals
E.U.T. DESCRIPTION	RF Receiver Basic
MEASUREMENT PROCEDURES	ANSI C63.4a: 2017
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
STANDARDS	FCC Part 15, Section 15.101 (Class A)
MODIFICATIONS ON THE EQUIPMENT TO ACHIEVE COMPLIANCE	None
FINAL TEST WAS CONDUCTED ON	10 m Semi anechoic chamber

ONETECH Corp. tested the above equipment in accordance with the requirements set forth in the above standard. The test results show that equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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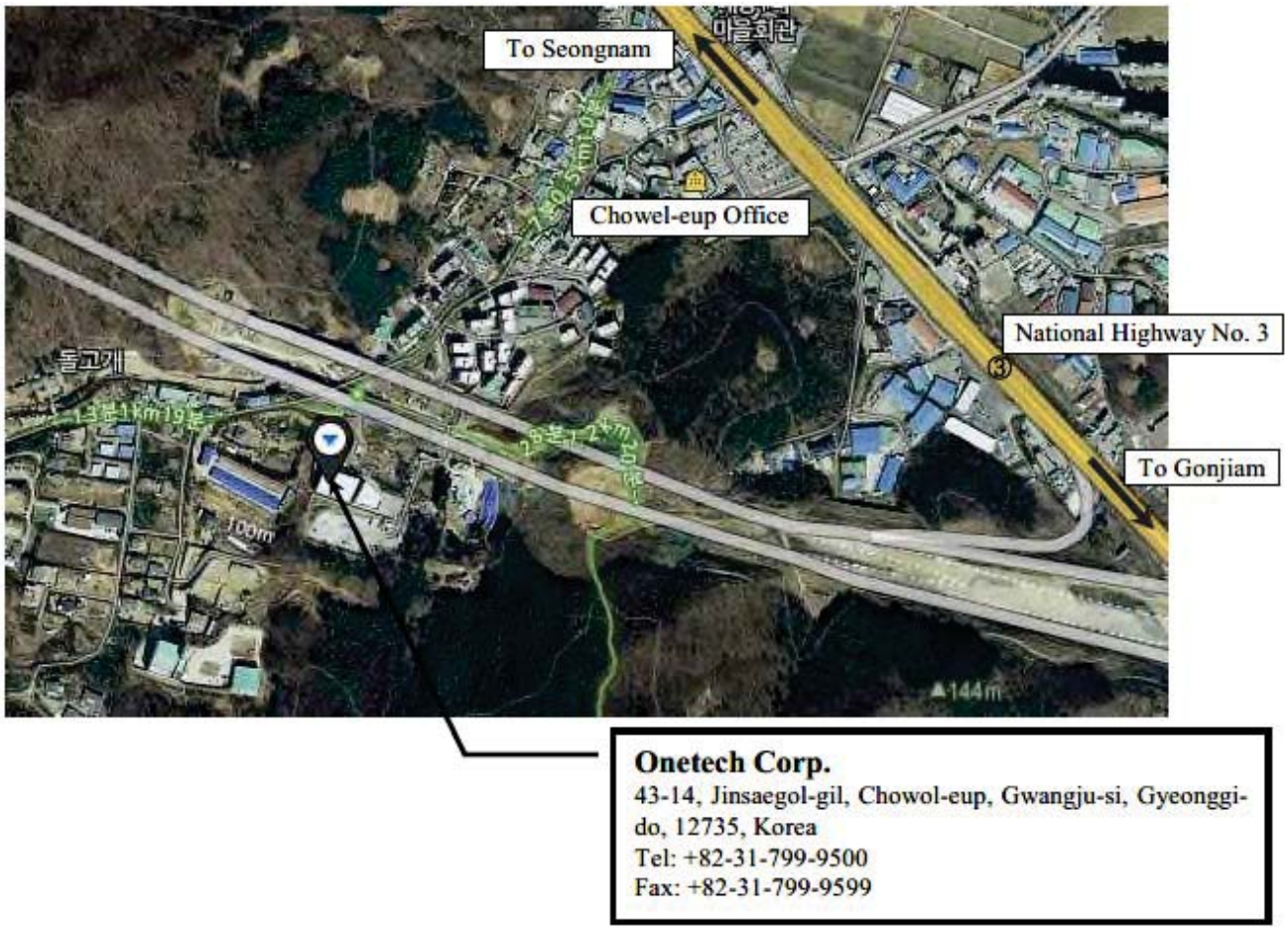
2 Test Facility

The Onetech Corp. has been designated to perform equipment testing in compliance with ISO/IEC 17025 by Radio Research Agency as accreditation body. The Onetech Corp. is accredited for measuring devices subject to Declaration of Conformity (DOC) under Parts 15 &18 as a Conformity Assessment Body (CAB) with designation number KR0013.

These measurement tests were conducted at Onetech Corp.
The 10 m semi anechoic chamber and conducted measurement facilities are located at

1) 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea
2) 12-5, Jinsaegol-gil 75 beon-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea



3. PRODUCT INFORMATION

3.1 Description of EUT

The AREVISION CO.,LTD., Model RF Receiver Basic (referred to as the EUT in this report) is a RF Receiver Basic.
Product specification described herein was obtained from product data sheet or user's manual.

CHASSIS TYPE	Plastic
LIAST OF EACH OSC. or CRY. RREQ.(FREQ. >= 1 MHz)	More than 108 MHz
RF SPEC.	DATALINK : 2 412 MHz ~ 2 462 MHz
ELECTRICAL RATING	DC 24 V
P.C. BOARD NAME	-
NUMBER OF PCB LAYERS	-
EXTERNAL CONNECTOR	DC IN, LAN

3.2 Model Differences

-. The following lists consist of the added model and their differences.

Model Name	Differences	Tested
RF Receiver Basic	Basic model	O
RF Receiver Pro	Component removal (Transformer, Ethernet PHY, MCU, RS422 Transceive).	O

1. Applicant consigns only basic model to test, therefore this test report just guarantees the units which have been tested.
2. The Applicant/manufacturer is responsible for the compliance of all variants.

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3.3 Support Equipment

The model numbers for all the equipments that were used in the tested system is:

Description	Model	Manufacturer	Connected to
RF Receiver Basic (EUT)	RF Receiver Basic	Arevision Co., Ltd	Notebook PC, DC Power Supply
Remote Controller	Remote Controller	Arevision Co., Ltd	-
DC Power Supply	SDP 30-5D	SMtechno	EUT
Notebook PC	NT200B4B	SAMSUNG	EUT, Notebook PC Adapter
Notebook PC Adapter	CPA09-004A	Chicony Power Technology	Notebook PC
RF Receiver Pro (EUT)	RF Receiver Pro	Arevision Co., Ltd	Notebook PC, DC Power Supply

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3.4 System Configuration

DEVICE TYPE	MODEL/PART NUMBER	MANUFACTURER
RF Receiver Basic	RF Receiver Basic	Arevision Co., Ltd
RF Receiver Pro	RF Receiver Pro	Arevision Co., Ltd

3.5 Cable Description for the EUT

Cable	Shielded	Ferrite Bead	Metal Shell	Length (m)	Connected to
DC IN	N	N	N	1.0	DC Power Supply
LAN	N	N	N	1.0	Notebook PC

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3.6 Equipment Modifications

-. None

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4. TEST SUMMARY

4.1 Test standards and results

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4a: 2017	C
Radiated Disturbance	ANSI C63.4a: 2017	C
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		

4.2 Test Condition

The test conditions of the noted test mode(s) in this test report are;
-. The equipment under test (EUT) functions as a receiver. It was connected to a laptop via LAN, and the communication status with the controller was verified through the laptop to confirm proper LAN communication.

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5. FINAL RESULT OF MEASUREMENT

Exploratory measurement was done in normal operation mode. And the final measurement was selected for the maximized emission level.

5.1 Conducted Disturbance

5.1.1 Operating environment

Ambient temperature : ℃
Relative humidity : %

5.1.2 Test set-up

The EUT was placed on 0.1 m height above the reference ground plane. Other support equipment were placed on a non-conductive table, 0.8 m height above the floor. The power of EUT was fed through a 50 Ω/ 50 μH + 5 Ω LISN. The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

5.1.3 Measurement uncertainty

Conducted emission, quasi-peak detection : 1.4 dB
Conducted emission, CISPR-average detection : 1.4 dB

Measurement uncertainty is calculated in accordance with CISPR 16-4-2. The measurement uncertainty is given with a confidence of 95 % with the coverage factor, $k = 2$.

5.1.4 Limit

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	CISPR Average
0.15 ~ 0.5	79	66
0.5 ~ 30	73	60

5.1.5 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.	Interval
□	ESCI 3	Rohde & Schwarz	Test Receiver	101012	September 23, 2025	1Y
□	NSLK8126	Schwarzbeck	LISN	8126-404	March 11, 2025	1Y
□	NSLK8126	Schwarzbeck	LISN	8126-479	March 11, 2025	1Y
□	ESH3-Z2	Rohde & Schwarz	Pulse Limiter	100655	March 11, 2025	1Y
□	SH-9500M	EZ DIGITAL	DIGITAL CLAMP METER	A863019	March 11, 2025	1Y

* S/W used in the test : Noise Terminal Voltage Measurement software / Version 2.00.0180
All test equipment used is calibrated on a regular basis.

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5.1.6 Test data

-. Test Date :

-. Resolution bandwidth : 9 kHz

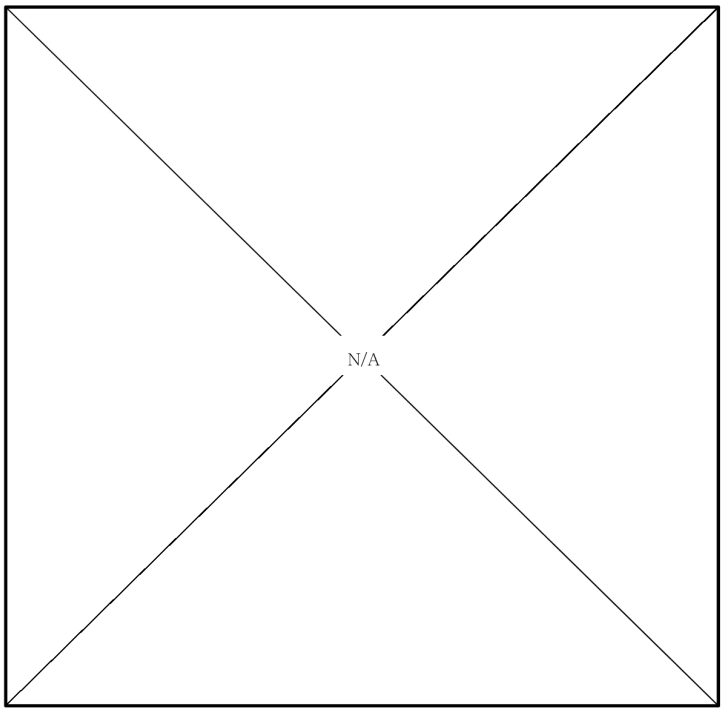
-. Frequency range : 0.15 MHz ~ 30 MHz

-. Test Result : N/A

-. Remarks : Margin (dB) = Limit – Level (Result)
The Result level in below table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.

Tested by : Young-Jae, Kim / Engineer

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



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5.2 Radiated Disturbance

5.2.1 Operating environment

Ambient temperature : 24.0 ℃
Relative humidity : 51.4 %

5.2.2 Test set-up

The radiated emissions measurements were on the 10 m semi anechoic chamber. The EUT was placed on 0.1 m height above the reference ground plane. Other support equipment were placed on a non-conductive table, 0.8 m height above the floor.

The frequency spectrum from 30 MHz to 40 000 MHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

5.2.3 Measurement uncertainty

Radiated emission electric field intensity, 30 MHz ~ 1 000 MHz : 4.6 dB
Radiated emission electric field intensity, 1 000 MHz ~ 6 000 MHz : 6.1 dB
Radiated emission electric field intensity, 6 000 MHz ~ 40 000 MHz : 5.2 dB

Measurement uncertainty is calculated in accordance with CISPR 16-4-2. The measurement uncertainty is given with a confidence of 95 % with the coverage factor, $k = 2$.

5.2.4 Limit

-. FCC Part 15 Subpart B

Frequency of Emission (MHz)	Resolution bandwidth	Field strength @ 10 m (dBμV/m)	Field strength @ 3 m (dBμV/m)	
		Quasi-peak	Quasi-peak	
30 ~ 88	120 kHz	39.0	49.0	
88 ~ 216		43.5	53.5	
216 ~ 960		46.0	56.0	
960 ~ 1 000		49.5	59.5	
			Peak	CISPR Average
>1 000	1 MHz	-	80.0	60.0

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5.2.5 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.	Interval
■	ESR 26	Rohde & Schwarz	EMI Test Receiver	101470	March 11, 2025	1Y
■	HLP-2008	TDK RF Solutions	Hybrid Antenna	131314	March 1, 2025	2Y
■	SA18N-06	Fairview Microwave Inc.	6 dB Fixed Attenuator	N/A	March 1, 2025	2Y
■	310N	SONOMA INSTRUMENT	AMPLIFIER	312544	March 11, 2025	1Y
■	CO3000	Innco Systems GmbH	Controller	CO3000/904 /37211215/L	N/A	N/A
■	DT3000	Innco Systems GmbH	Turn Table	DT3000/093	N/A	N/A
■	MA-4000XPET	Innco Systems GmbH	Antenna Master	MA4000/509/37 211215/L	N/A	N/A
■	SH-9500M	EZ DIGITAL	DIGITAL CLAMP METER	A863019	March 11, 2025	1Y
■	BBHA9120D	Schwarzbeck	Horn Antenna	295	March 17, 2025	1Y
■	PAM-118A	Com-Power	Pre-Amplifier	18040158	September 24, 2025	1Y
■	PAM-840A	Com-Power	Pre-Amplifier	461339	October 16, 2025	1Y
■	SAS-574	A.H.System	Horn Antenna	676	October 16, 2025	1Y
■	WT-A3882-R10	Microwave	Cavity Band Rejection Filter	WT22040502-1	January 13, 2025	1Y

* S/W used in the test : Radiated Emission Measurement software / Version 2.00.0202
All test equipment used is calibrated on a regular basis.

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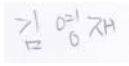
5.2.6 Test data

-. Test Date	: September 18, 2025
-. Resolution bandwidth	: 120 kHz (30 MHz - 1 000 MHz), 1 MHz (1 000 MHz ~ 40 000 MHz)
-. Frequency range	: 30 MHz ~ 1 000 MHz, 1 000 MHz ~ 40 000 MHz
-. Measurement distance	: 10 m, 3 m
-. Test Result	: PASS
-. Remarks	: Margin (dB) = Limit – Result Result = Reading value + Antenna Factor + Loss – Gain Loss and Gain in below table means Cable Loss and Pre-amplifier gain.



Tested by : Young-Jae, Kim / Engineer

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

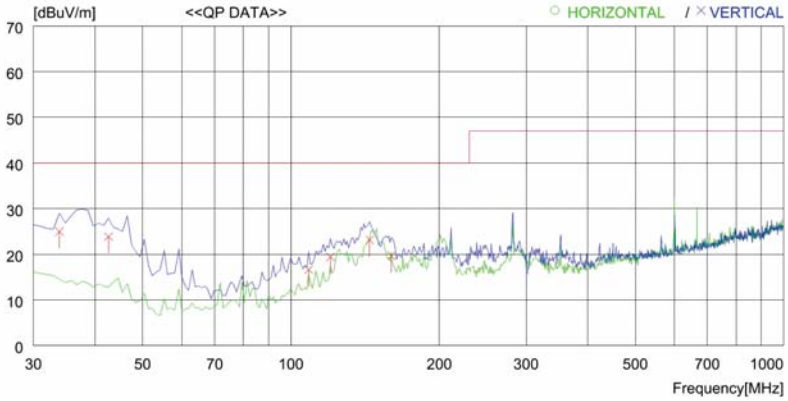
Main Model (Detector Mode: Quasi-Peak)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Basic	Power Supply	:	DC 24 V
S/N	:		Temp / Humi	:	24.0 'C, 51.4 % R.H.
Mode	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : CISPR32_A_10m



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	33.880	36.2	19.8	1.3	32.3	25.0	40.0	15.0	100	0
2	42.610	38.7	16.1	1.4	32.3	23.9	40.0	16.1	100	0
3	108.570	29.6	17.1	2.2	32.3	16.6	40.0	23.4	100	0
4	120.210	30.8	18.5	2.4	32.3	19.4	40.0	20.6	100	242
5	144.460	33.5	19.2	2.6	32.2	23.1	40.0	16.9	100	307
6	159.980	31.1	18.1	2.7	32.2	19.7	40.0	20.3	100	217

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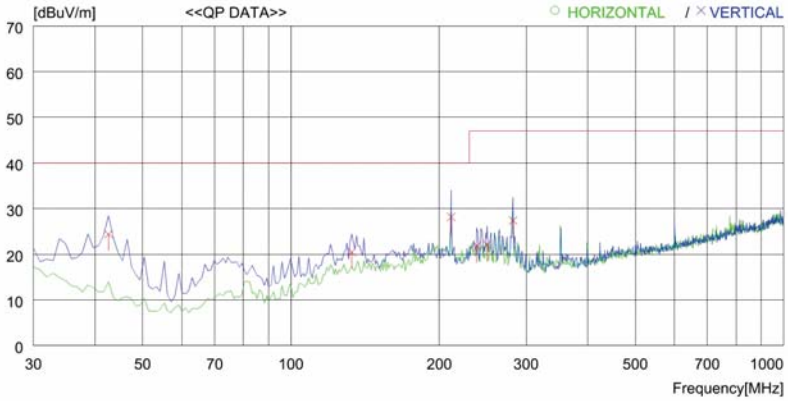
Add Model (Detector Mode: Quasi-Peak)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Pro	Power Supply	:	DC 24 V
S/N	:		Temp / Humi	:	24.0 'C, 51.4 % R.H.
Mode	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : CISPR32_A_10m



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	42.610	39.2	16.1	1.4	32.3	24.4	40.0	15.6	100	0
2	132.820	31.0	19.3	2.5	32.3	20.5	40.0	19.5	100	0
3	211.390	41.2	16.1	3.1	32.2	28.2	40.0	11.8	100	0
4	238.550	33.4	17.3	3.3	32.2	21.8	47.0	25.2	100	158
5	250.190	33.1	17.8	3.4	32.2	22.1	47.0	24.9	100	0
6	282.200	37.2	18.8	3.6	32.2	27.4	47.0	19.6	100	231

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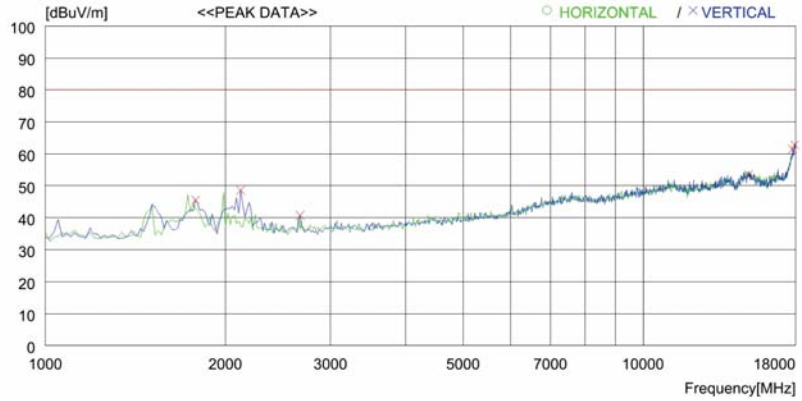
Main Model (Detector Mode: Peak)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Basic	Power Supply	:	DC 24 V
.	:		Temp/Humi	:	24.0 'C, 51.4 % R.H.
.	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_PEAK



No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1782.000	52.0	25.8	6.4	38.7	45.5	80.0	34.5	100	0
2	2122.000	54.4	26.4	6.9	39.1	48.6	80.0	31.4	100	15
3	2666.000	44.9	27.9	7.7	39.8	40.7	80.0	39.3	100	199
4	15008.000	28.0	41.4	21.3	37.2	53.5	80.0	26.5	100	0
5	17796.000	27.6	47.9	22.3	36.3	61.5	80.0	18.5	100	0
6	17932.000	27.0	49.8	22.3	36.3	62.8	80.0	17.2	100	0

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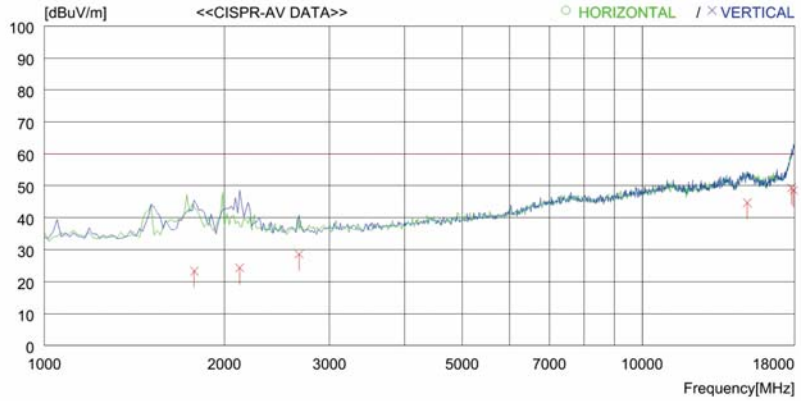
Main Model (Detector Mode: CISPR-Average)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Basic	Power Supply	:	DC 24 V
.	:		Temp/Humi	:	24.0 'C, 51.4 % R.H.
.	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_AV



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1782.115	29.8	25.8	6.4	38.7	23.3	60.0	36.7	100	0
2	2122.237	30.1	26.4	6.9	39.1	24.3	60.0	35.7	100	15
3	2666.382	32.8	27.9	7.7	39.8	28.6	60.0	31.4	100	199
4	15008.450	19.2	41.4	21.3	37.2	44.7	60.0	15.3	100	0
5	17796.660	15.5	47.9	22.3	36.3	49.4	60.0	10.6	100	0
6	17932.920	12.8	49.8	22.3	36.3	48.6	60.0	11.4	100	0

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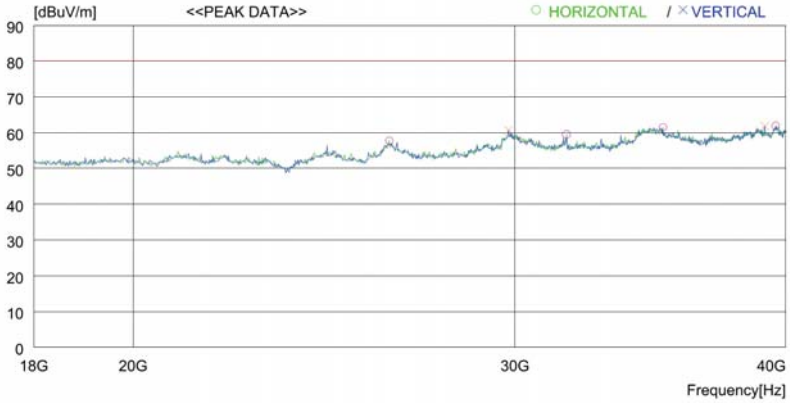
Main Model (Detector Mode: Peak)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Basic	Power Supply	:	DC 24 V
	:		Temp / Humi	:	24.0 'C, 51.4 % R.H.
Mode	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_PEAK



No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA TABLE [cm]	[DEG]
----- Horizontal ------										
1	26250.000	48.1	40.4	12.4	43.2	57.7	80.0	22.3	100	42
2	31684.000	44.8	40.8	13.7	39.8	59.5	80.0	20.5	100	335
3	35116.000	47.6	40.9	14.7	41.7	61.5	80.0	18.5	100	0
4	39582.000	46.2	41.0	15.2	40.5	61.9	80.0	18.1	100	0
----- Vertical ------										
5	29792.000	46.7	40.7	13.4	40.2	60.6	80.0	19.4	100	359
6	39120.000	45.3	40.9	15.4	39.8	61.8	80.0	18.2	100	139

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

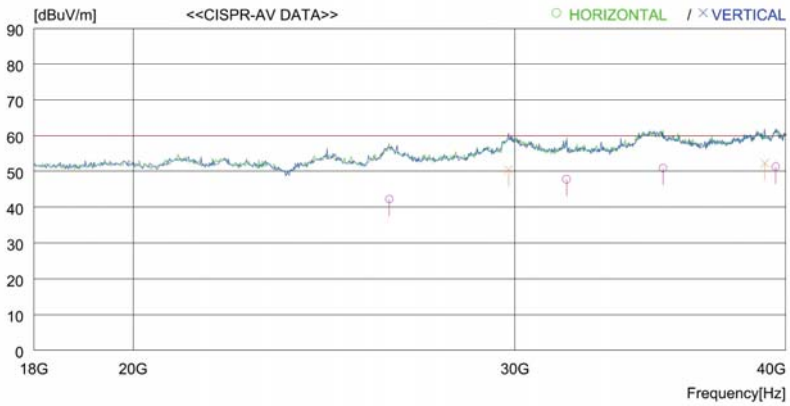
Main Model (Detector Mode: CISPR-Average)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Basic	Power Supply	:	DC 24 V
	:		Temp / Humi	:	24.0 'C, 51.4 % R.H.
Mode	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_AV



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	26250.000	32.7	40.4	12.4	43.2	42.3	60.0	17.7	100	42
2	31684.000	33.1	40.8	13.7	39.8	47.8	60.0	12.2	100	335
3	35116.000	37.0	40.9	14.7	41.7	50.9	60.0	9.1	100	0
4	39582.000	35.6	41.0	15.2	40.5	51.3	60.0	8.7	100	0
----- Vertical ------										
5	29792.000	36.6	40.7	13.4	40.2	50.5	60.0	9.5	100	359
6	39120.000	35.8	40.9	15.4	39.8	52.3	60.0	7.7	100	139

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

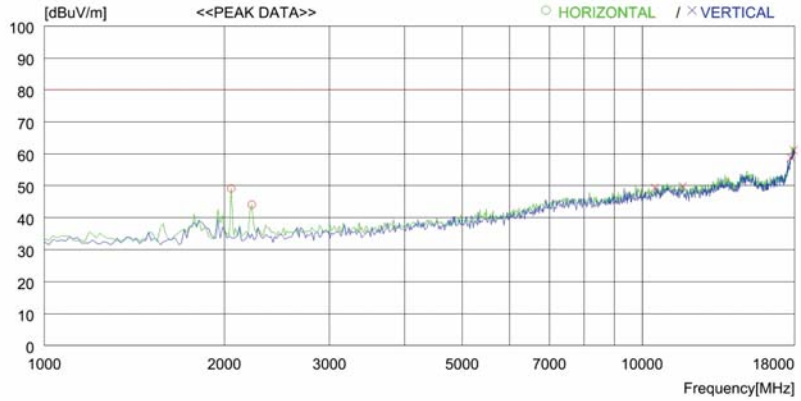
Add Model (Detector Mode: Peak)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Pro	Power Supply	:	DC 24 V
.	:		Temp/Humi	:	24.0 'C, 51.4 % R.H.
.	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_PEAK



No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	2054.000	55.2	26.2	6.8	39.0	49.2	80.0	30.8	100	318
2	2224.000	49.6	26.7	7.0	39.2	44.1	80.0	35.9	100	332
----- Vertical ------										
3	10503.000	34.0	39.3	16.0	39.9	49.4	80.0	30.6	100	197
4	11693.000	33.4	39.6	16.9	40.1	49.8	80.0	30.2	100	203
5	17728.000	26.0	46.9	22.3	36.3	58.9	80.0	21.1	100	188
6	17932.000	25.3	49.8	22.3	36.3	61.1	80.0	18.9	100	188

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

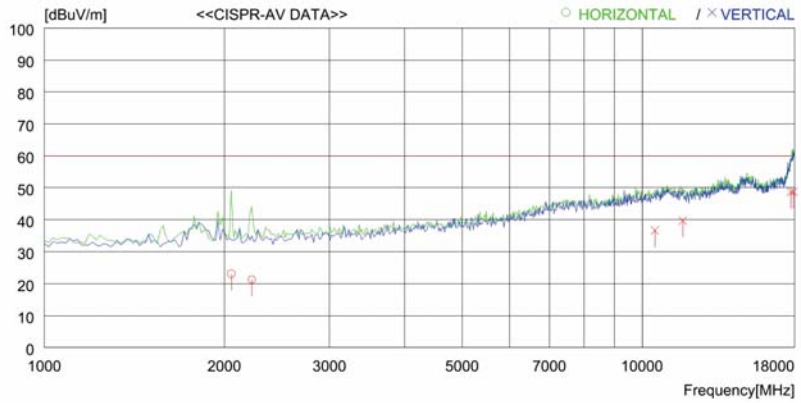
Add Model (Detector Mode: CISPR-Average)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	RF Receiver Pro	Power Supply	:	DC 24 V
.	:		Temp/Humi	:	24.0 'C, 51.4 % R.H.
.	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_AV



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	2054.412	29.1	26.2	6.8	39.0	23.1	60.0	36.9	100	318
2	2224.335	26.8	26.7	7.0	39.2	21.3	60.0	38.7	100	332
----- Vertical ------										
3	10503.730	21.2	39.3	16.0	39.9	36.6	60.0	23.4	100	197
4	11693.530	23.3	39.6	16.9	40.1	39.7	60.0	20.3	100	203
5	17728.420	15.8	46.9	22.3	36.3	48.7	60.0	11.3	100	188
6	17932.510	12.9	49.8	22.3	36.3	48.7	60.0	11.3	100	188

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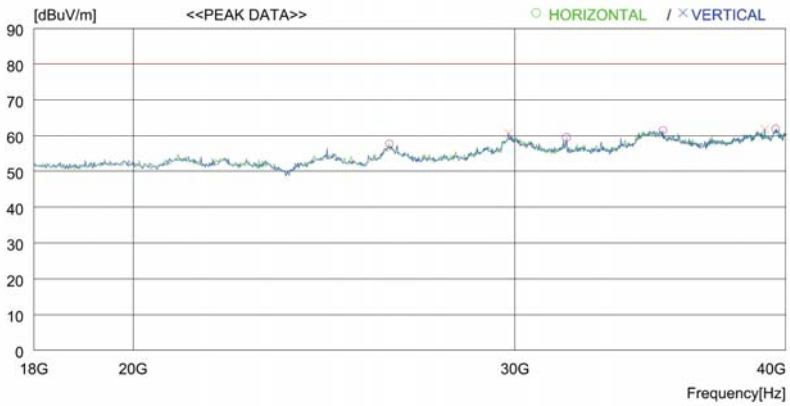
Add Model (Detector Mode: Peak)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	Remote Controller	Power Supply	:	AC 120 V, 60 Hz
	:		Temp / Humi	:	24.0 'C, 51.4 % R.H.
Mode	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_PEAK



No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA TABLE [cm]	[DEG]
----- Horizontal ------										
1	26250.000	48.1	40.4	12.4	43.2	57.7	80.0	22.3	100	42
2	31684.000	44.8	40.8	13.7	39.8	59.5	80.0	20.5	100	335
3	35116.000	47.6	40.9	14.7	41.7	61.5	80.0	18.5	100	0
4	39582.000	46.2	41.0	15.2	40.5	61.9	80.0	18.1	100	0
----- Vertical ------										
5	29792.000	46.7	40.7	13.4	40.2	60.6	80.0	19.4	100	359
6	39120.000	45.3	40.9	15.4	39.8	61.8	80.0	18.2	100	139

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

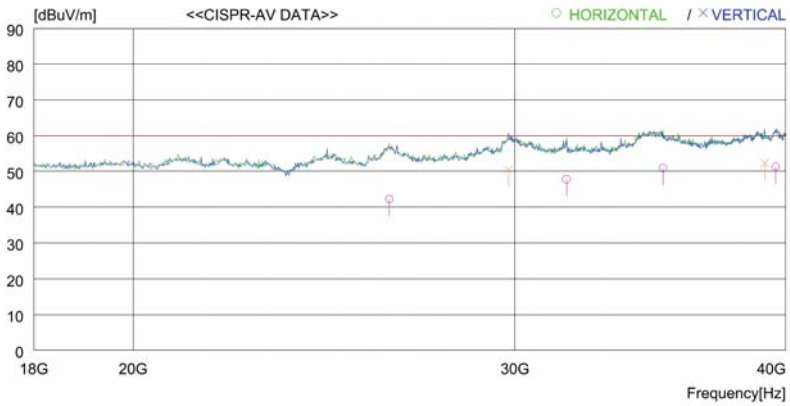
Add Model (Detector Mode: CISPR-Average)

RADIATED EMISSION

2025. 09. 18

Trade Name	:	Arevision Co., Ltd	AGR No.	:	2508002696
Model Name	:	Remote Controller	Power Supply	:	AC 120 V, 60 Hz
	:		Temp / Humi	:	24.0 'C, 51.4 % R.H.
Mode	:		Operator	:	KIM YOUNG JAE
	:				

LIMIT : FCC CLASS A 1GHz ~ 40 GHz_AV



No.	FREQ	READING CAV	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal ------										
1	26250.000	32.7	40.4	12.4	43.2	42.3	60.0	17.7	100	42
2	31684.000	33.1	40.8	13.7	39.8	47.8	60.0	12.2	100	335
3	35116.000	37.0	40.9	14.7	41.7	50.9	60.0	9.1	100	0
4	39582.000	35.6	41.0	15.2	40.5	51.3	60.0	8.7	100	0
----- Vertical ------										
5	29792.000	36.6	40.7	13.4	40.2	50.5	60.0	9.5	100	359
6	39120.000	35.8	40.9	15.4	39.8	52.3	60.0	7.7	100	139

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6. SAMPLE CALCULATIONS

dBμV = 20 Log10 (μV)

Margin = Limit - Result

- Example 1: - MHz

Class A Limit	= - dBμV (CISPR-Average)
Reading	= - dBμV
Correction Factor	= Cable Loss + Pulse Limiter
	= - dB
Total	= - dBμV
Margin	= - dBμV – - dBμV
	= - dB

- Example 2: 39120.000 MHz

Class A Limit	= 60.0 dBμV/m (CISPR-Average)
Reading	= 35.8 dBμV
Correction Factor	= Antenna Factor (40.9 dB/m) + Cable Loss (15.4 dB) – Amp. Gain (39.8 dB)
	= 16.5 dB
Total	= 52.3 dBμV/m
Margin	= 60.0 dBμV/m – 52.3 dBμV/m
	= 7.7 dB

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