AUSTRALIA TEST REPORT

For

ZOOMAX TECHNOLOGY CO., LIMITED

Snow Eye

Test Model: EM-RVSE

Prepared for	:	ZOOMAX TECHNOLOGY CO., LIMITED
Address	:	9F, Building D, Paradise Software Park, No.3 Xidoumen Road, Xihu District, Hangzhou, China 310012
Prepared by	:	Shenzhen AOCE Electronic Technology Service Co., Ltd
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Date of receipt of test sample	:	July 11, 2025
Number of tested samples	:	1
Date of Test	:	July 11, 2025 ~ July 15, 2025
Date of Report	:	July 15, 2025

AUSTRALIA TEST REPORT

AS/NZS CISPR 32: 2015 AMD 1: 2020

Electromagnetic compatibility of multimedia equipment - Emission requirements

Report Reference No. .....:	**AOC250715102E**
Date Of Issue.....:	July 15, 2025
Testing Laboratory Name .....:	**Shenzhen AOCE Electronic Technology Service Co., Ltd**
Address.....:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Testing Location/ Procedure .....:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name.....:	**ZOOMAX TECHNOLOGY CO., LIMITED**
Address.....:	9F, Building D, Paradise Software Park, No.3 Xidoumen Road, Xihu District, Hangzhou, China 310012
Test Specification:	
Standard .....:	AS/NZS CISPR 32: 2015 AMD 1: 2020

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Test Item Description.....:	**Snow Eye**
Trade Mark.....:	Zoomax®
Test Model .....:	EM-RVSE
Ratings .....:	Input: DC 5V/2.5A DC 7.4V 2S1P 2900mAh 21.46Wh
Result .....:	**PASS**

Compiled by:	**Supervised by:**	**Approved by:**
David Liu/ File administrators	Kevin Huang/ Technique principal	Jackson Fang/ Manager

AUSTRALIA -- TEST REPORT

Test Report No. : AOC250715102E	July 15, 2025 Date of issue

Test Model.....	: EM-RVSE
EUT.....	: Snow Eye
Applicant.....	**: ZOOMAX TECHNOLOGY CO., LIMITED**
Address.....	: 9F, Building D, Paradise Software Park, No.3 Xidoumen Road, Xihu District, Hangzhou, China 310012
Manufacturer.....	**: ZOOMAX TECHNOLOGY CO., LIMITED**
Address.....	: 9F, Building D, Paradise Software Park, No.3 Xidoumen Road, Xihu District, Hangzhou, China 310012
Factory.....	**: ZOOMAX TECHNOLOGY CO., LIMITED**
Address.....	: 9F, Building D, Paradise Software Park, No.3 Xidoumen Road, Xihu District, Hangzhou, China 310012

Test Result according to the standards on page 6:	**PASS**

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST STANDARDS

The tests were performed according to following standards:

AS/NZS CISPR 32: 2015 AMD 1: 2020 Electromagnetic compatibility of multimedia equipment - Emission requirements

2. SUMMARY OF STANDARDS AND RESULTS

2.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION (AS/NZS CISPR 32: 2015 AMD 1: 2020)			
Description of Test Item	**Standard**	**Limits**	**Results**
Conducted disturbance at mains terminals	AS/NZS CISPR 32: 2015 AMD 1: 2020	Class B	PASS
Radiated disturbance	AS/NZS CISPR 32: 2015 AMD 1: 2020	Class B	PASS
N/A is an abbreviation for Not Applicable.			

Test mode:		
Mode 1	Normal operation	Record

3. GENERAL INFORMATION

3.1.Description of Device (EUT)

EUT : Snow Eye

Test Model : EM-RVSE

Power Supply : Input: DC 5V/2.5A
DC 7.4V 2S1P 2900mAh 21.46Wh

EUT Clock : ≤108MHz

3.2.Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the AOCE quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

3.3.Measurement Uncertainty

Test	Parameters	Expanded uncertainty (Ulab)	Expanded uncertainty (Ucispr)
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	± 3.8 dB ± 3.4 dB
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.68 dB	N/A
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	± 5.2 dB

(1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

(2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

4. TEST RESULTS

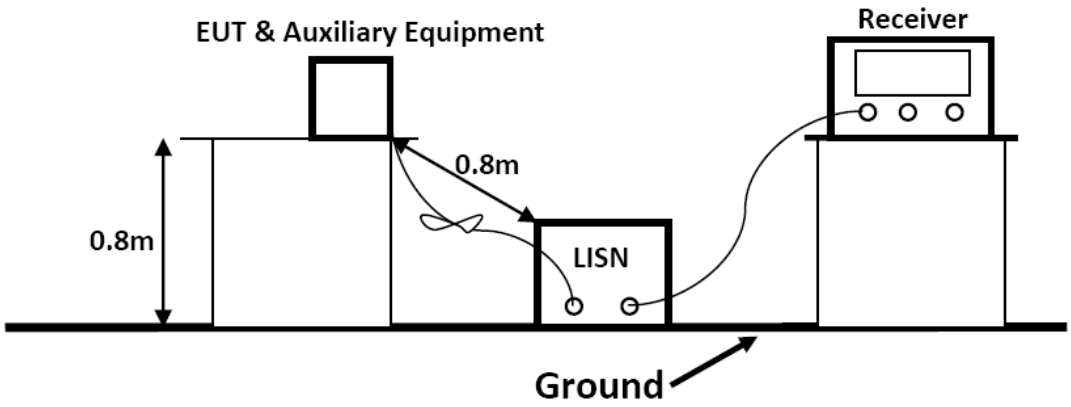
4.1 POWER LINE CONDUCTED EMISSION MEASUREMENT

4.1.1.Test Equipment

The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	AUDIX	E3	/	N/A	N/A
2	EMI Test Receiver	R&S	ESPI	101840	2025-06-09	2026-06-08
3	Artificial Mains	R&S	ENV216	101288	2025-06-09	2026-06-08
4	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2025-06-09	2026-06-08

4.1.2.Block Diagram of Test Setup



4.1.3.Test Standard

AS/NZS CISPR 32: 2015 AMD 1: 2020

Power Line Conducted Emission Limits (Class B)

Frequency (MHz)			Limit (dBμV)	
			Quasi-peak Level	Average Level
0.15	~	0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50	~	5.00	56.0	46.0
5.00	~	30.00	60.0	50.0
NOTE1-The lower limit shall apply at the transition frequencies. NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.				

4.1.4.EUT Configuration on Test

The following equipments are installed on Conducted Emission Measurement to see AS/NZS CISPR 32: 2015 AMD 1: 2020 requirements and operating in a manner which tends to maximize its emission characteristics in normal application.

4.1.5.Operating Condition of EUT

4.1.5.1.Setup the EUT as shown on Section 4.1.2
4.1.5.2.Turn on the power of all equipments.
4.1.5.3.Let the EUT work in measuring Mode 1 and measure it.

4.1.6.Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to AS/NZS CISPR 32: 2015 AMD 1: 2020 on Conducted Emission Measurement.

The bandwidth of the test receiver is set at 9kHz.

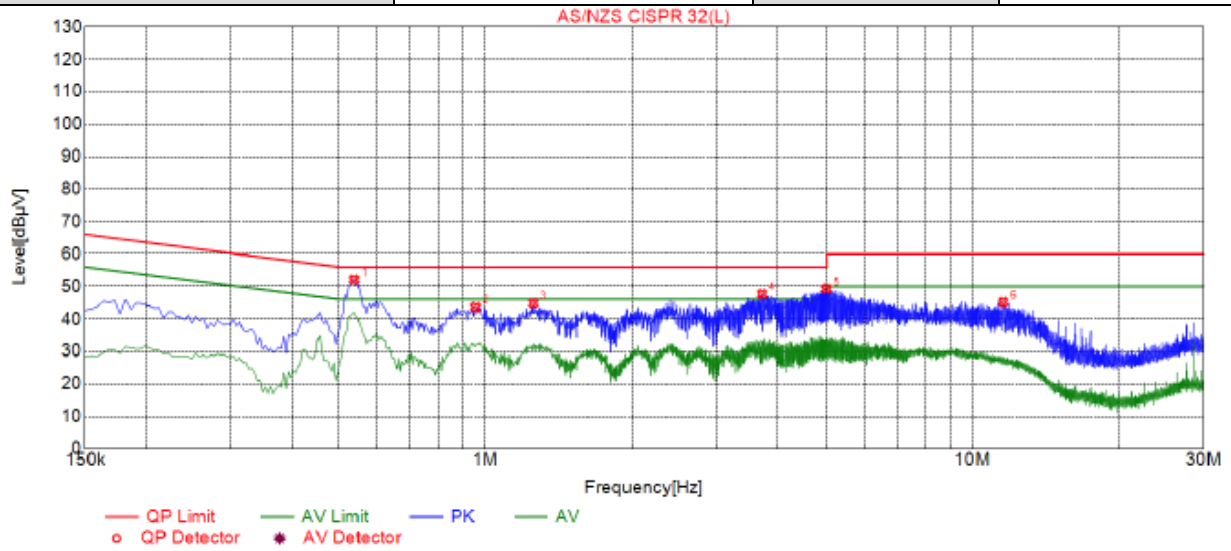
The frequency range from 150kHz to 30MHz is investigated

4.1.7.Test Results

PASS.

Please refer to the next page.

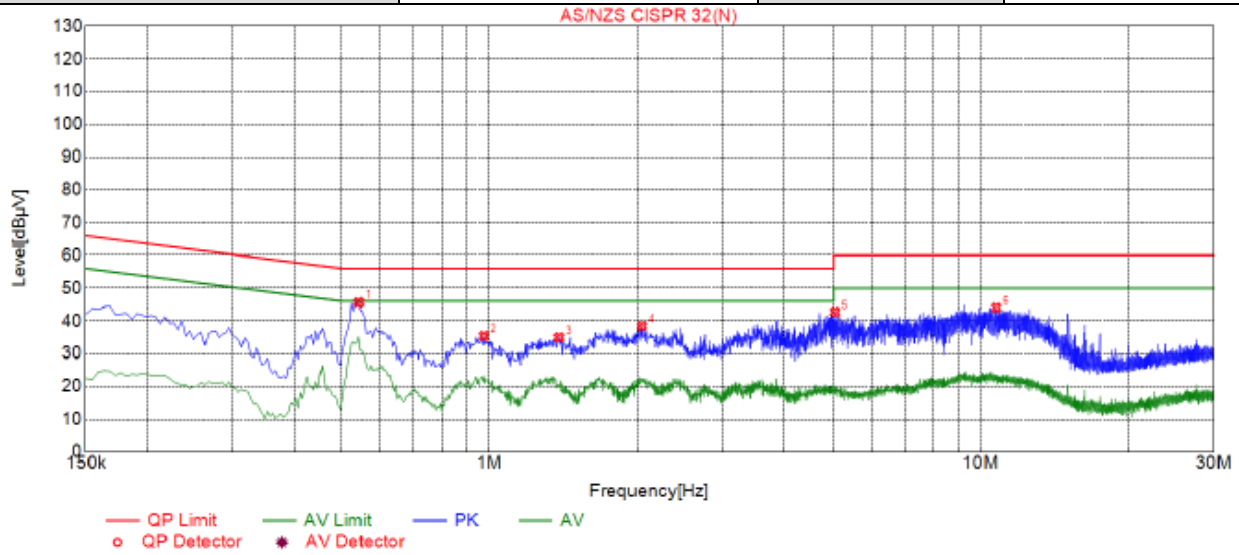
Test Model	EM-RVSE	Test Mode	Mode 1
Environmental Conditions	25℃/ 60% RH	Test Engineer	Andy
Pol	Line		



Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.5370	52.11	19.81	56.00	3.89	32.30	PK	L
2	0.9555	43.61	19.75	56.00	12.39	23.86	PK	L
3	1.2570	44.85	19.87	56.00	11.15	24.98	PK	L
4	3.7185	47.64	20.34	56.00	8.36	27.30	PK	L
5	5.0010	49.24	20.39	60.00	10.76	28.85	PK	L
6	11.5800	45.18	21.35	60.00	14.82	23.83	PK	L

Test Model	EM-RVSE	**Test Mode**	Mode 1
Environmental Conditions	25℃/ 60% RH	**Test Engineer**	Andy
Pol	Neutral		



Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.5415	45.61	19.75	56.00	10.39	25.86	PK	N
2	0.9735	35.38	19.76	56.00	20.62	15.62	PK	N
3	1.3875	34.93	19.85	56.00	21.07	15.08	PK	N
4	2.0490	38.42	19.95	56.00	17.58	18.47	PK	N
5	5.0370	42.70	20.30	60.00	17.30	22.40	PK	N
6	10.7520	44.01	21.06	60.00	15.99	22.95	PK	N

Note: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

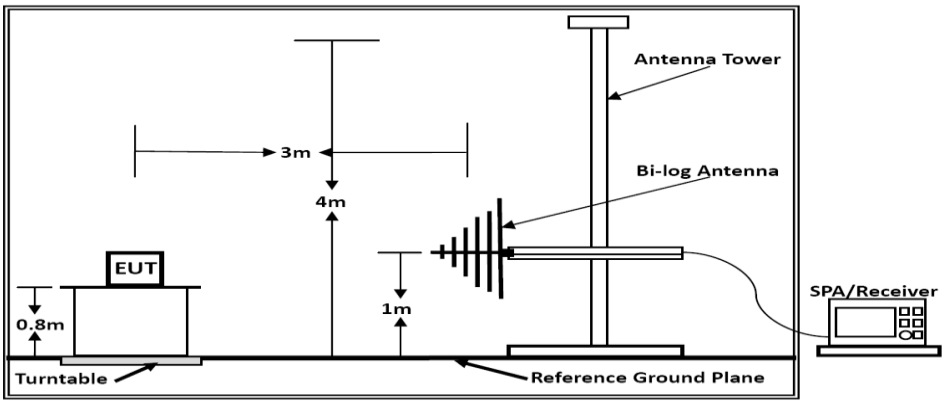
4.2. RADIATED EMISSION MEASUREMENT

4.2.1. Test Equipment

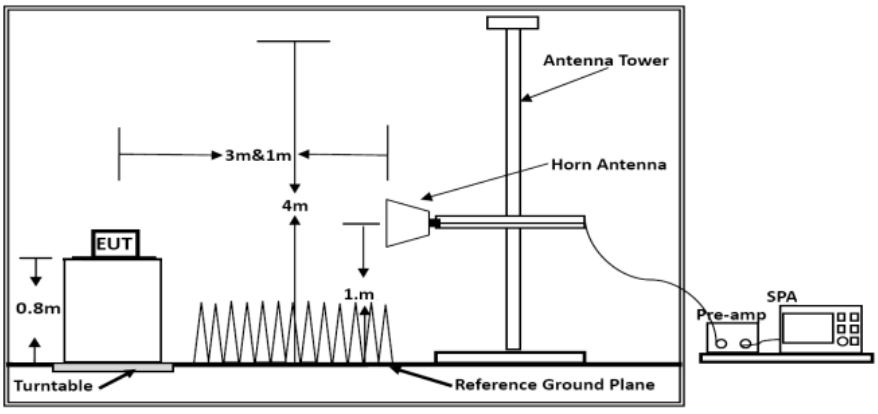
The following test equipments are used during the radiated emission measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	AUDIX	E3	/	N/A	N/A
2	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2025-06-09	2026-06-08
3	Positioning Controller	MF	MF-7082	/	2025-06-09	2026-06-08
4	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2025-06-09	2026-06-08
5	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2025-06-09	2026-06-08
6	EMI Test Receiver	R&S	ESR 7	101181	2025-06-09	2026-06-08
7	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2025-06-09	2026-06-08
8	Broadband Preamplifier	/	BP-01M18G	P190501	2025-06-09	2026-06-08
9	RF Cable-R03m	Jye Bao	RG142	CB021	2025-06-09	2026-06-08
10	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2025-06-09	2026-06-08

4.2.2.Block Diagram of Test Setup



Below 1GHz



Above 1GHz

4.2.3.Test Standard

AS/NZS CISPR 32: 2015 AMD 1: 2020

4.2.4.Radiated Emission Limits

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Limits for Radiated Emission Below 1GHz

Frequency (MHz)	Distance (Meters)	Field Strengths Limit (dBμV/m)
30 ~ 230	3	40
230 ~ 1000	3	47

***Note:
(1) The smaller limit shall apply at the combination point between two frequency bands.
(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT.

Limits for Radiated Emission Above 1GHz

Frequency (MHz)	Distance (Meters)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)
1000 ~ 3000	3	70	50
3000 ~ 6000	3	74	54

***Note: The lower limit applies at the transition frequency.

4.2.5.EUT Configuration on Test

The AS/NZS CISPR 32: 2015 AMD 1: 2020 regulations test method must be used to find the maximum emission during radiated emission measurement.

4.2.6.Operating Condition of EUT

4.2.6.1 Turn on the power.

4.2.6.2 After that, let the EUT work in test Mode 1 and measure it.

4.2.7.Test Procedure

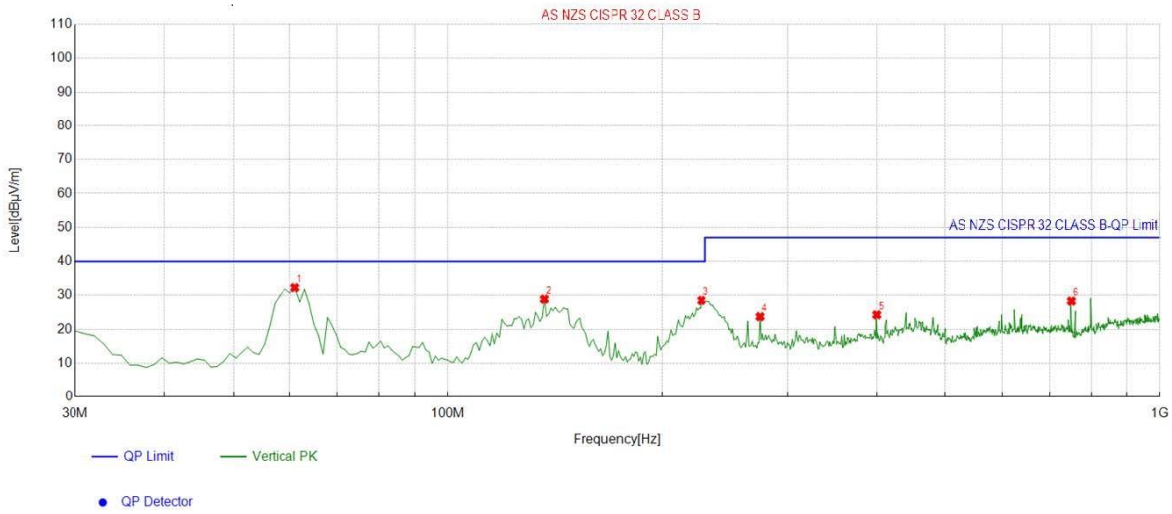
The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna (calibrated by Dipole Antenna) is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.
The bandwidth of the Receiver is set at 120kHz.
The frequency range from 30MHz to 1000MHz is investigated.

4.2.8.Test Results

PASS.

Please refer to the next page.

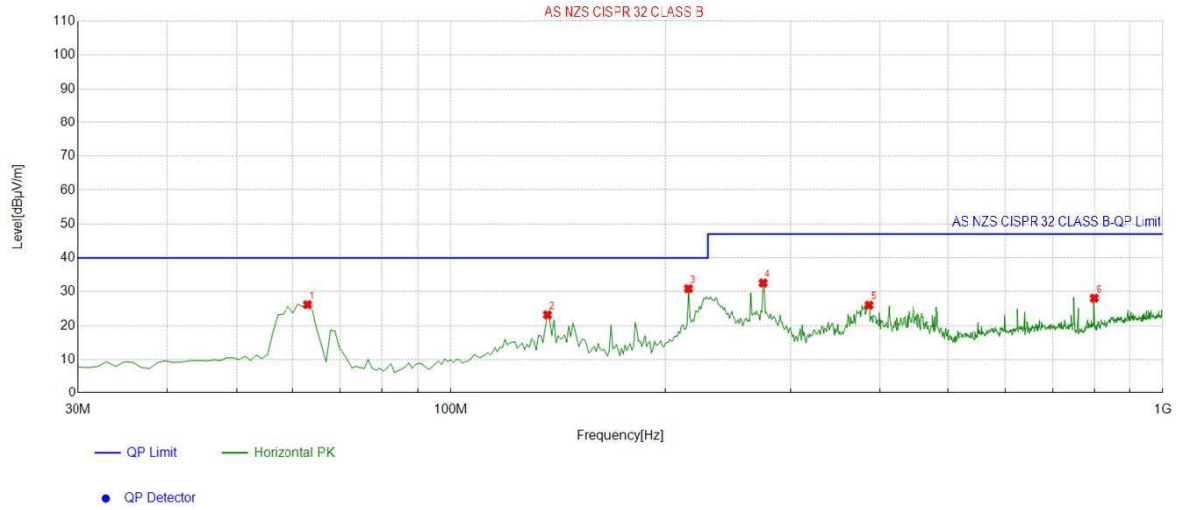
Test Model	EM-RVSE	**Test Mode**	Mode 1
Environmental Conditions	25℃/ 60% RH	**Detector Function**	Quasi-peak
Pol	Vertical	**Distance**	3m
Test Engineer	Andy		



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	61.071071	-13.82	46.10	32.28	40.00	7.72	100	102	Vertical
2	136.80680	-17.67	46.57	28.90	40.00	11.10	100	144	Vertical
3	227.10710	-13.92	42.43	28.51	40.00	11.49	100	161	Vertical
4	274.68468	-12.70	36.45	23.75	47.00	23.25	100	44	Vertical
5	399.93994	-9.84	34.13	24.29	47.00	22.71	100	341	Vertical
6	750.46046	-3.85	32.19	28.34	47.00	18.66	100	109	Vertical

Test Model	EM-RVSE	**Test Mode**	Mode 1
Environmental Conditions	25℃/ 60% RH	**Detector Function**	Quasi-peak
Pol	Horizontal	**Distance**	3m
Test Engineer	Andy		



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.013013	-14.48	40.70	26.22	40.00	13.78	100	161	Horizontal
2	136.80680	-17.67	40.89	23.22	40.00	16.78	100	334	Horizontal
3	215.45545	-14.72	45.64	30.92	40.00	9.08	100	134	Horizontal
4	274.68468	-12.70	45.30	32.60	47.00	14.40	100	360	Horizontal
5	386.34634	-9.19	35.24	26.05	47.00	20.95	100	93	Horizontal
6	799.97998	-3.01	31.12	28.11	47.00	18.89	100	100	Horizontal

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

5. PHOTOGRAPHS OF TEST SETUP

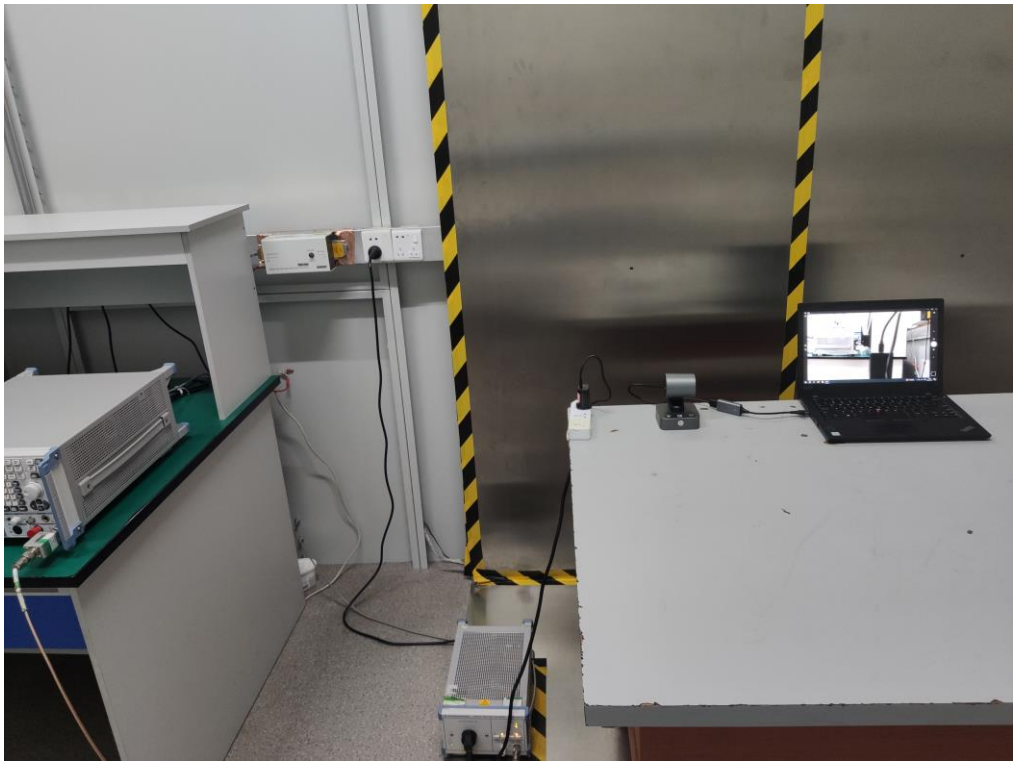


Photo of Power Line Conducted Measurement

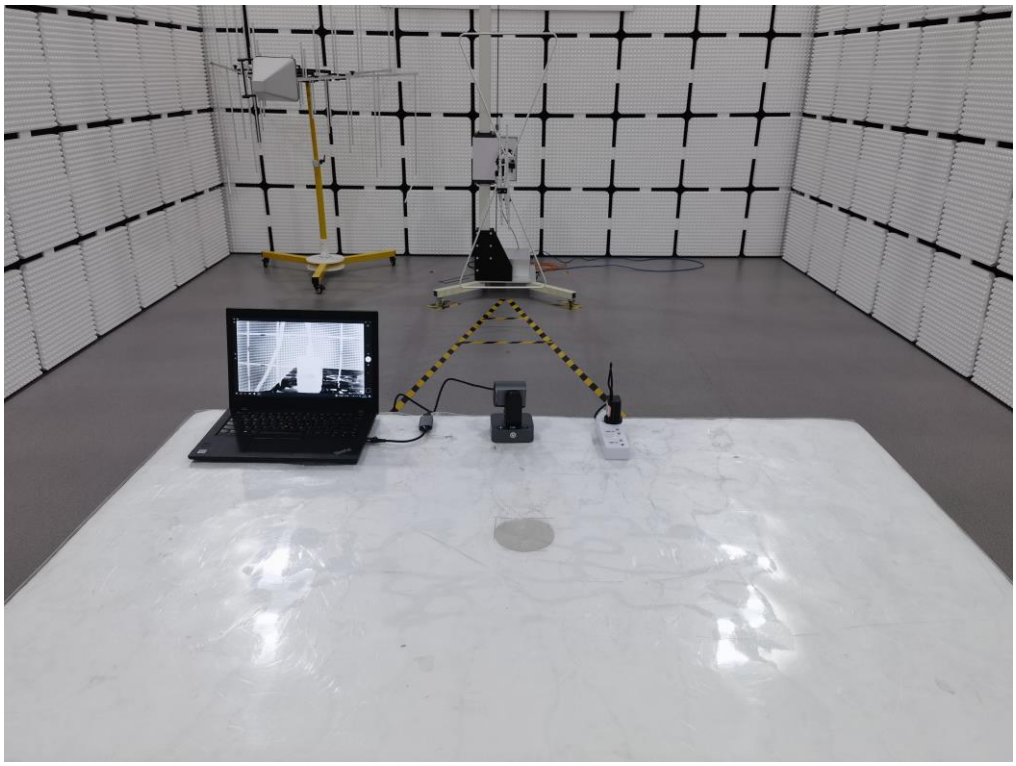


Photo of Radiated Measurement (Below 1GHz)

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Fig. 1

Fig. 2

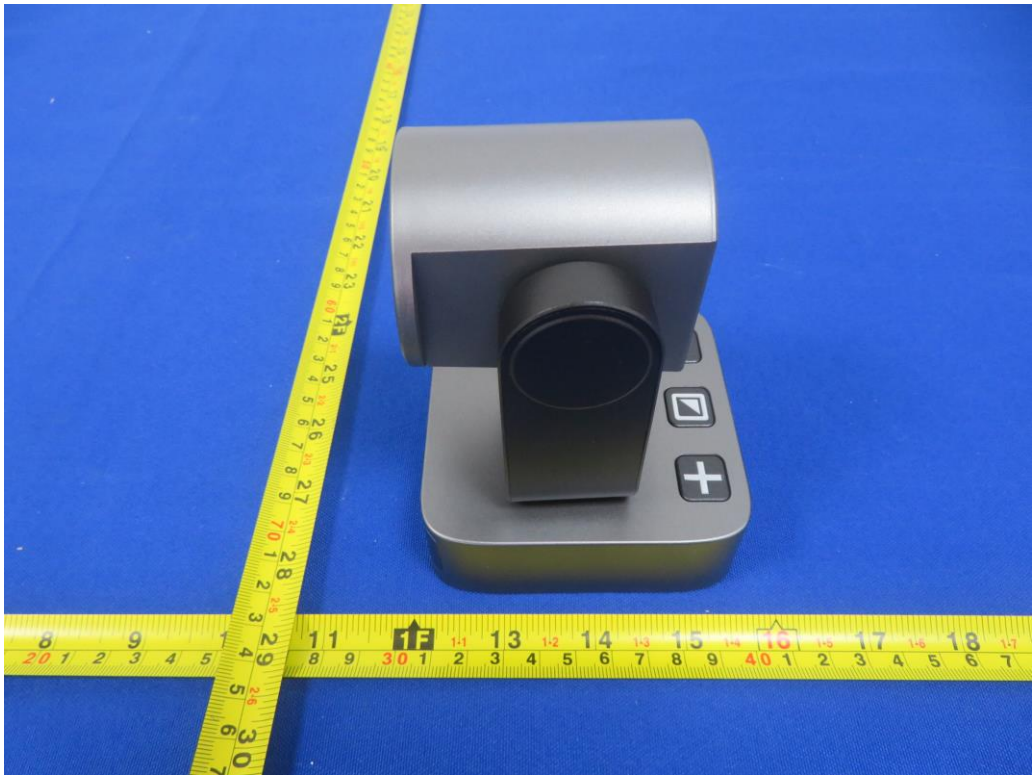


Fig. 3

Fig. 4

Fig. 5

Fig. 6


Model:EM-RVSE
SN:1300101K10250148
Rated:DC 5V/2.5A
Made in China

Fig. 7

Fig. 8

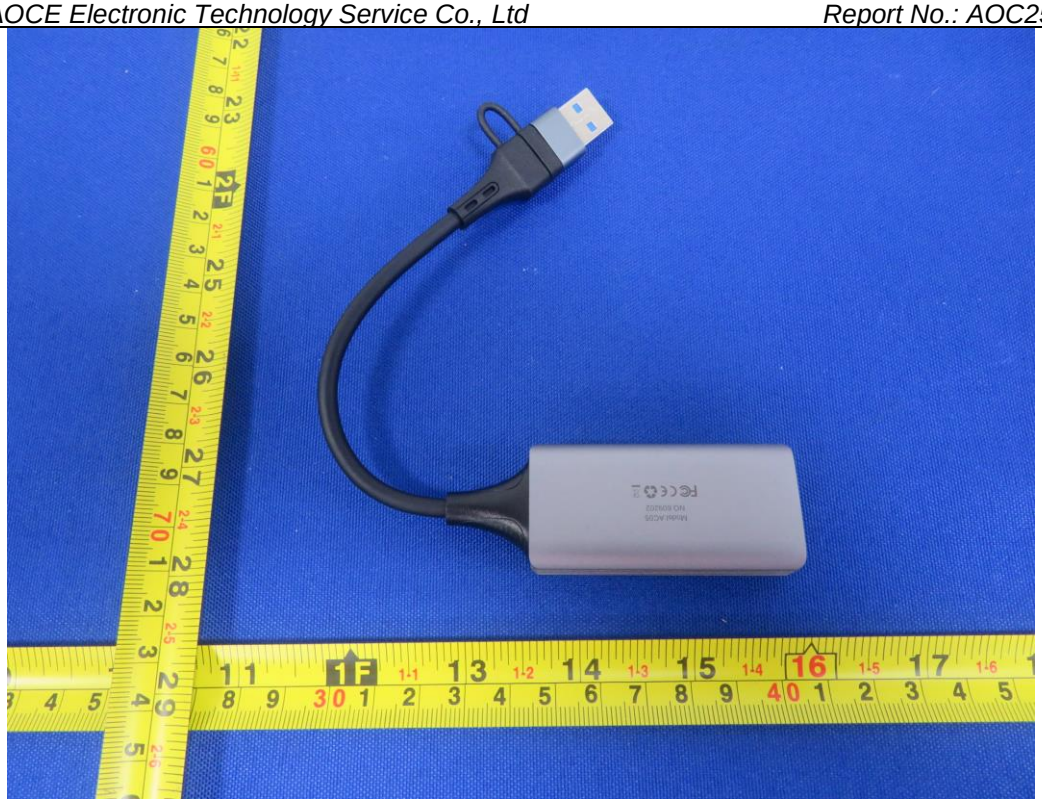


Fig. 9

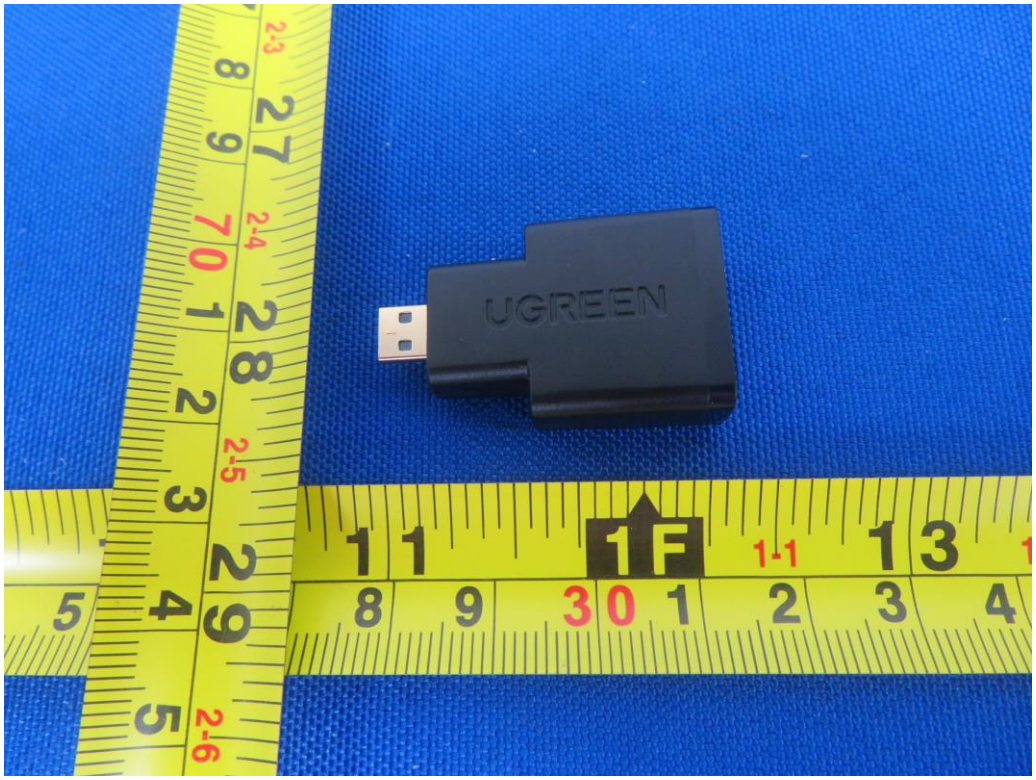


Fig. 10

----------THE END OF TEST REPORT----------