



TEST REPORT

Product Name: Anemometer

Trade Mark: N/A

Model Number: ATL302

Date of Receipt: Oct. 10, 2026

Test Date: Oct. 10, 2026 – Oct. 15, 2026

Date of Report: Oct. 15, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address:

EN IEC 61326-1:2021, EN IEC 61326-2-2:2021

EN IEC 61000-3-2:2019+A1:2021+A2:2024,

Applicable EN 61000-3-3:2013+A1:2019+A2:2021

Standards: EN IEC 61000-4-2:2025, EN IEC 61000-4-3:2020, EN 61000-4-4:2012,

EN 61000-4-5:2014+A1:2017, EN IEC 61000-4-6:2023,

EN 61000-4-8:2010, EN IEC 61000-4-11:2020+AC:2022

Test Result: Pass

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Reviewer (Supervisor): Jack Bu

Approved (Manager): Jade Yang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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**For RF Field Strength Susceptibility Test (Other RS site))**

Equipment	Manufacturer	Model	Serial	Last Cal.	Next Cal.
Signal Generator	HP	SMB100A	1406600K02	Oct. 14, 2025	Oct. 13, 2026
Amplifier	BONN ELEKTRONIK	BLWAO810-250/100D	066454	Oct. 14, 2025	Oct. 13, 2026
Amplifier	BONN ELEKTRONIK	BLWA0840-5030 D	066453	Oct. 14, 2025	Oct. 13, 2026
RS Test Antenna	SKET	STLP 9129 Plus	202301/428	Oct. 14, 2025	Oct. 13, 2026
audio analyzer	R&S	UPL	16755	Oct. 14, 2025	Oct. 13, 2026
Antenna	EMCO	3108	9507-2534	Oct. 14, 2025	Oct. 13, 2026
Log-periodic Antenna	A&R	AT1080	16812	Oct. 14, 2025	Oct. 13, 2026
Power Sensor	R&S	Z11	116655	Oct. 14, 2025	Oct. 13, 2026
Power Sensor	R&S	Z11	121896	Oct. 14, 2025	Oct. 13, 2026
Horn Antenna	AINFO	JXTXLB-10180-SF	J2031090903006	Oct. 14, 2025	Oct. 13, 2026

For EFT /B, Surge, Voltage Dips Interruptions Test (EMS --- site)

Equipment	Manufacturer	Model	Serial	Last Cal.	Next Cal.
Transient Comprehensive Immunity Test System	Graphtec	HVIP16T+HCO MPACT 5	192501+192202	Oct. 25, 2025	Oct. 24, 2026
Coupling Clamp	HTEC	001	0001	Oct. 25, 2025	Oct. 24, 2026

For Injected Currents Susceptibility Test (EMS --- site)

Equipment	Manufacturer	Model	Serial	Last Cal.	Next Cal.
C/S Test System	LIONCEL	RIS-6091-85	0191101	Oct. 25, 2025	Oct. 24, 2026
CDN	LIONCEL	CDN-M2-16	0191001	Oct. 25, 2025	Oct. 24, 2026
CDN	LIONCEL	CDN-M3-16	0191002	Oct. 25, 2025	Oct. 24, 2026
Injection Clamp	Frankonia	EMCL-20	18101728-0108	Oct. 25, 2025	Oct. 24, 2026

For Magnetic Field Immunity Test (EMS --- site)

Equipment	Manufacturer	Model	Serial	Last Cal.	Next Cal.
Magnetic field Test System	LIONCEL	PMF-801C-C/ PMF-801C-T	190401	Oct. 25, 2025	Oct. 24, 2026

EMC report Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ_EMCC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMCC	FA-03A2
3	Harmonic test system	LAPLACE INSTRUMENTS	Harmonic	1.0.0.0
4	RF Immunity test system	LIONCEL	C/S	1.1.0.0



5.5 Test Procedure

The EUT is put on the table and connected to the AC mains through a Artificial Mains Network (AMN) or ISN. This provided a 50ohm coupling impedance for the tested equipment. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **EN 55011** regulations during conducted emission test.

The bandwidth of the test receiver (R&S Test Receiver ESR) is set at 10KHz.

The frequency ranges from 150kHz to 30MHz is investigated.

5.6 Test Result

The EUT is powered by battery, no requirements for this item.



Please refer to Section 5.3.

6.4 Operating Condition of EUT

Same as conducted emission test, which is listed in Section 5.4 except the test set up replaced as Section 6.2.

6.5 Test Procedure

- 1) The radiated emissions test was conducted in a semi-anechoic chamber.
- 2) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
- 3) Before final measurements of radiated emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emissions spectrum plots of the EUT.
- 4) The frequencies of maximum emission were determined in the final radiated emissions measurement. At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the maximum disturbance. Measurements were performed for both horizontal and vertical antenna polarization.
- 5) The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz.
- 6) The frequency range from 30MHz to 1000MHz is checked.

6.6 Test Result

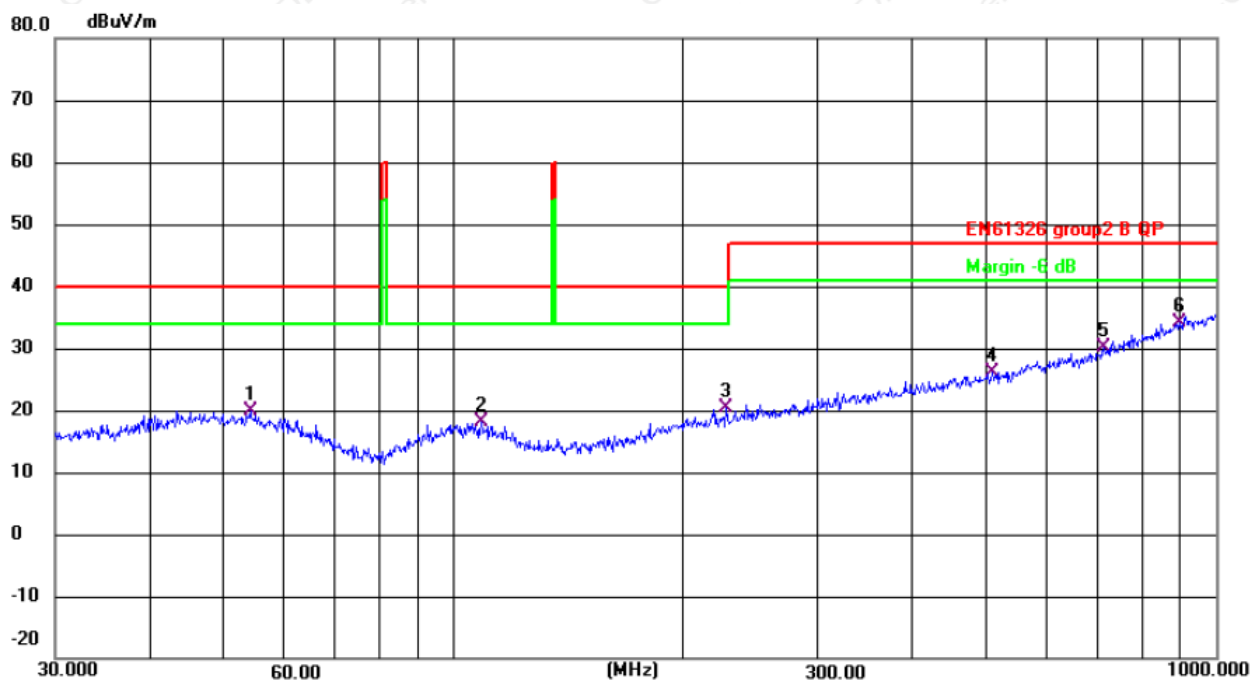
PASS

Please refer to the following page.



Radiated Disturbance Test Data

Temperature:	24.5°C	Relative Humidity:	54%
Pressure:	1009hPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Test Mode:	Mode 1



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		54.0711	27.34	-7.57	19.77	40.00	-20.23	QP	
2		108.6470	27.28	-9.18	18.10	40.00	-21.90	QP	
3		227.6906	28.40	-8.12	20.28	40.00	-19.72	QP	
4		508.2582	27.58	-1.47	26.11	47.00	-20.89	QP	
5		711.6734	27.61	2.47	30.08	47.00	-16.92	QP	
6	*	893.8567	27.96	6.19	34.15	47.00	-12.85	QP	

Remark:

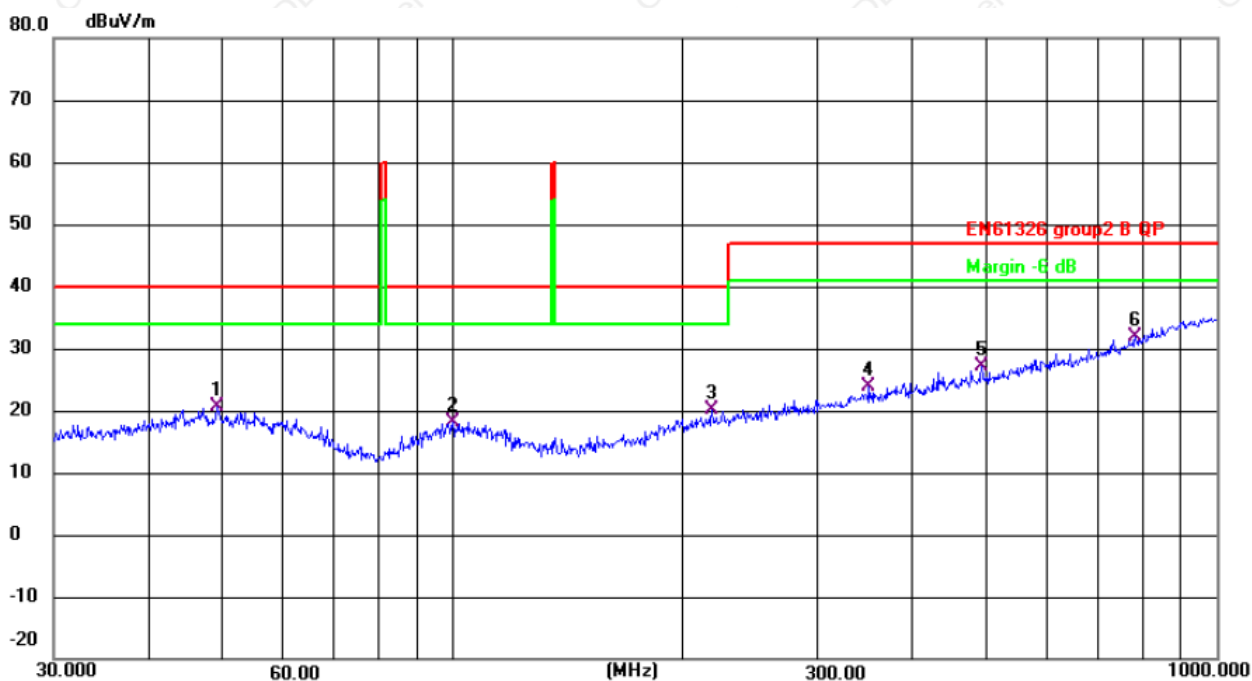
Correct Factor=Cable loss+Antenna factor-Preamplifier

MeasurementLevel= Reading Level + Correct Factor, Margin = Measurement Level- Limit.



Radiated Disturbance Test Data

Temperature:	24.5°C	Relative Humidity:	54%
Pressure:	1009hPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Test Mode:	Mode 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		49.0145	27.60	-7.05	20.55	40.00	-19.45	QP	
2		99.8777	27.26	-9.21	18.05	40.00	-21.95	QP	
3		218.3085	28.48	-8.45	20.03	40.00	-19.97	QP	
4		350.4768	28.58	-4.59	23.99	47.00	-23.01	QP	
5		492.4685	28.93	-1.84	27.09	47.00	-19.91	QP	
6	*	782.3453	27.94	3.93	31.87	47.00	-15.13	QP	

Remark:

Correct Factor=Cable loss+Antenna factor-Preamplifier

MeasurementLevel= Reading Level + Correct Factor, Margin = Measurement Level- Limit.



EN 61000-3-2/IEC 61000-3-2					
Equipment Category	Max. Permissible Harmonic Current (in Amperes)	Equipment Category	Harmonic Order n	Max. Permissible Harmonic Current (in A) (mA/w)	
Class A	Same as Limits Specified in 4-2.1, Table - I, but only odd harmonics required	Class D	3	2.30	3.4
			5	1.14	1.9
			7	0.77	1.0
			9	0.40	0.5
			11	0.33	0.35
			13≤n≤39	see Table I	3.85/n
			only odd harmonics required		

7.3 Operating Condition of EUT

Setup the EUT as shown in Section 7.1.

Turn on the power of all equipment.

Let the EUT work in test mode and test it.

7.4 Test Procedure

The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

7.5 Test Results

The EUT is powered by battery, no requirements for this item.



- h. At least ten single discharges (in the most sensitive polarity) were applied to the center of one vertical edge of the Vertical Coupling Plane in sufficiently different positions that the four faces of the Product were completely illuminated. The VCP (dimensions 0.5m x 0.5m) was placed vertically to and 0.1 meters from the Product.

10.5 Test Results

PASS

Electrostatic Discharge Test Data					
Temperature:	25.1°C	Humidity:	55%		
Power Supply :	DC 3.7V	Test Mode:	Mode 1		
Discharge Method	Discharge Position	Voltage (±kV)	Min. No. of Discharge per polarity (Each Point)	Required Level	Result
Contact Discharge	Conductive Surfaces	4	25	B	Pass
	Indirect Discharge HCP	4	25	B	Pass
	Indirect Discharge VCP	4	25	B	Pass
Air Discharge	Slots, Apertures, and Insulating Surfaces	8	10	B	Pass
Note: N/A					



18. EUT PHOTOGRAPHS









