

TEST REPORT

Product Name : Round edge-lit mirror with Anti-fog

Model Number: WMIRH-MACH-D28; may be

followed by "-"; may be followed

by up to 6 characters

FCC ID : 2AYFP-WMIRH-MACH

Prepared for : ARTIKA FOR LIVING INC

Address : 1756 50th avenue, Lachine, Qc, CanadaH8T 2V5

Prepared by : EMTEK (NINGBO) CO., LTD.

Address : 1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech

Zone, Ningbo, Zhejiang, China.

Tel: +86-574-27907998 Fax: +86-574-27721538

Report Number : ENB2205060194W00101R Date(s) of Tests : May 06, 2022 to May 11, 2022

Date of issue : May 19, 2022

Report No. ENB2205060194W00101R Page 1 of 19 Ver. 1.0



TABLE OF CONTENT

lest Report Description	Page
1. SUMMARY OF TEST RESULTS	5
2. GENERAL INFORMATION	6
2.1. Description of Device (EUT)	6
2.2. Input / Output Ports	6
2.3. Independent Operation Modes	
2.4. Test Manner	7
2.5. Description of Test Facility	
2.7. Description of Support Device	
2.8. Measurement Uncertainty	
3. MEASURING DEVICE AND TEST EQUIPMENT	
3.1. For Conducted Emissions at Mains Measurement	
3.2. For Radiated Emission Measurement	
4. POWER LINE CONDUCTED EMISSION MEASUREMEN	T9
4.1. Block Diagram of Test Setup	9
4.2. Conducted Limit	9
4.3. Test Procedure	
4.4. Measuring Results	
5. RADIATED EMISSION MEASUREMENT(UP TO 1GHz)	
5.1. Block Diagram of Test Setup	
5.2. Radiated Limit	
5.3. Test Procedure	
6. RADIATED EMISSION MEASUREMENT (ABOVE 1GHz)	
6.1.Block Diagram of Test Setup	
6.3. Test Procedure	
	18



TEST REPORT DESCRIPTION

Applicant : ARTIKA FOR LIVING INC

Manufacturer : NINGBO LGDD ELECTRICAL FITTINGS CO., LTD

Trade Mark :

artika® (CDD)

EUT : Round edge-lit mirror with Anti-fog

Model No. : WMIRH-MACH-D28; may be followed by "-"; may be followed by up to 6 characters

Power Supply : AC 120V, 60Hz

Measurement Procedure Used:

FCC CFR Title 47, Part 15, Subpart B ANSI C63.4-2014

The device described above is tested by EMTEK (NINGBO) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (NINGBO) CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (NINGBO) CO., LTD.

Date of Test :	May 06, 2022 to May 11, 2022
Prepared by :	June Gao/Engineer
Reviewer :	Ade Wang/Supervisor
Approved & Authorized Signer :	Tony Wei Tony Wei/Manager



Modified Information

Version	Report No.	Revision date	Summary
	ENB2205060194W00101R	1	Original Report





1. SUMMARY OF TEST RESULTS

EMISSION						
Description of Test Item	Standard & Limits	Results				
Conducted Emission at Mains Terminals	FCC CFR Title 47, Part 15, Subpart B, Class B ANSI C63.4-2014	Pass				
Radiated Emission	FCC CFR Title 47, Part 15, Subpart B, Class B ANSI C63.4-2014	Pass				
Note: N/A is an abbreviation for Not Applicable.						





2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : Round edge-lit mirror with Anti-fog

Model Number : WMIRH-MACH-D28; may be followed by "-"; may be followed by up to 6

characters

Note: For six characters, which symbolize different commercial code, no additional difference on Product. We chose WmirH-Mach-D28 for RF test

Test Voltage : AC 120V/60Hz

Highest Frequency : Below 108MHz

Sample Number : ENB2205060194W001-1-1

Applicant : ARTIKA FOR LIVING INC

Address : 1756 50th avenue, Lachine, Qc, CanadaH8T 2V5

Manufacturer : NINGBO LGDD ELECTRICAL FITTINGS CO., LTD

Address : No.188 Changxing Road, Jiangbei District, Ningbo, China 315033

Date of Received : May 06, 2022

Date of Test : May 06, 2022 to May 11, 2022

2.2. Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
1	AC Port	AC			None

^{*} Note: Use abbreviations:

AC= AC Power Port

DC= DC Power Port

N/E= Non-Electrical

I/O= Signal Input or Output Port (Not Involved in Process Control)

TP= Telecommunication Ports

2.3. Independent Operation Modes

A. ON



2.4. Test Manner

Test Items	Test Voltage	Operation Modes	Worst case
Conducted Emission at Mains Terminals	AC 120V/60Hz	Mode A	Mode A
Radiated Emission up to 1 GHz	AC 120V/60Hz	Mode A	Mode A

2.5. Description of Test Facility

Site Description

EMC Lab. : Accredited by CNAS

The Certificate Registration Number is L6666.

The Laboratory has been assessed and proved to be in compliance with

CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1302

Test Firm Registration Number: 436491

Accredited by A2LA

The certificate is valid until May 31, 2023

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0114

Name of Firm : EMTEK (NINGBO) CO., LTD.

Site Location : 1F Building 4, 1177#, Lingyun Road, Ningbo National Hi-Tech Zone,

Ningbo, Zhejiang, China.

2.6. Test Software

tem Software

Conducted Emission : TS+ (Ver. 4.0.0.0)

Radiated Emission : TS+ (Ver. 4.0.0.0)

2.7. Description of Support Device

N/A

2.8. Measurement Uncertainty

Test Item Uncertainty

Conducted Emission Uncertainty : 2.08dB (9 k-150 kHz)

2.40dB (150 k-30 MHz)

Radiated Emission Uncertainty

(3m Chamber)

: 4.06 dB (Polarize: H) (30MHz-1000MHz)

4.04 dB (Polarize: V) (30MHz-1000MHz)

4.82 dB (Polarize: H) (1~18GHz) 4.80 dB (Polarize: V) (1~18GHz)



3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Conducted Emissions at Mains Measurement

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-001	Test Receiver	Rohde & Schwarz	ESCI	101108	July 08, 2021	1 Year
ENE-003	L.I.S.N	Rohde & Schwarz	ENV216	101193	July 08, 2021	1 Year
ENE-004	L.I.S.N	Schwarzbeck	NSLK 8126	8126-462	July 08, 2021	1 Year
ENE-006	Pulse Limiter	MTS-systemtechnik	IMP-136	2611115-001- 0033	July 08, 2021	1 Year
ENE-005	RF Switching unit	CD	RSU-M2	38400	July 08, 2021	1 Year
ENE-076	CE control room	SAEMC	8*4*4m	1	Feb. 25, 2019	4 Year

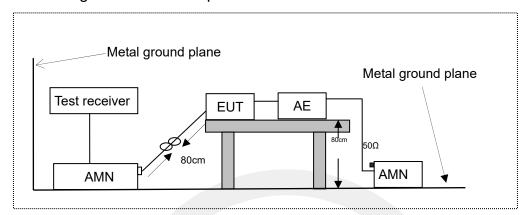
3.2. For Radiated Emission Measurement

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-002	Spectrum Analyzer	Rohde & Schwarz	ESCI	101107	July 08, 2021	1 Year
ENE-002	EMI Test Receiver	Rohde & Schwarz	ESCI	101107	July 08, 2021	1 Year
ENE-009	Pre-Amplifier	CD	PAP-0203	22015	July 08, 2021	1 Year
ENE-010	Bilog Antenna	Schwarzbeck	VULB9163	9163-467	July 12, 2020	2 Year
ENE-025-1	Cable	Huber + Suhner	CBL3-NN-0.5m	101216-2140 500-2	July 08, 2021	1 Year
ENE-025-2	Cable	Huber + Suhner	CBL3-NN-3.0m	101216-2143 000-2	July 08, 2021	1 Year
ENE-025-3	Cable	Huber + Suhner	CBL3-NN-9.0m	101216-2149 000	July 08, 2021	1 Year
ENE-077	RE control room	SAEMC	7.2*3*4m	1	Feb. 25, 2019	4 Year
ENE-079	3 meter anechoic chamber	SAEMC	9*6*6m	1	Feb. 25, 2019	4 Year



4. POWER LINE CONDUCTED EMISSION MEASUREMENT

4.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network

AE: Associated equipment EUT: Equipment under test

4.2. Conducted Limit

FCC CFR Title 47, Part 15, Subpart B, Class B

Frequency			Limit (dBμV)		
(MHz)		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.

4.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

All the support units are connecting to the other LISN.



The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation: Measurement (dB μ V) =Correct Factor (dB) + Reading (dB μ V) Over (dB) = Measurement (dB μ V) - Limit (dB μ V)

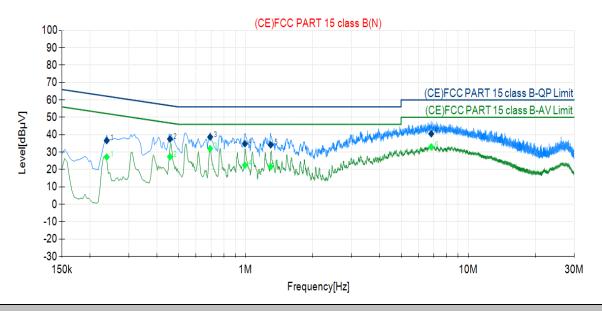
4.4. Measuring Results

Pass.

Please refer to following pages.



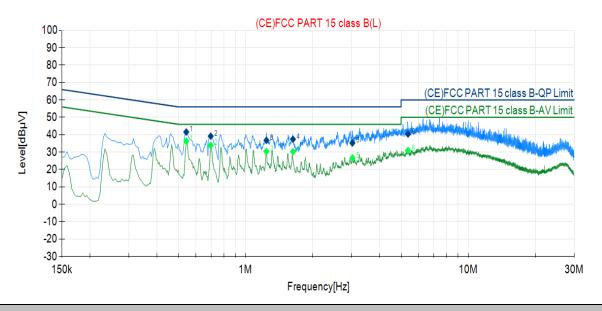
Project Information						
Mode:	LIGHTING	Voltage:	AC 120V/60Hz			
Environment:	Temp: 25°C; Humi:60%	Engineer:	San Song			



Final	Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.2380	9.49	27.15	36.64	62.17	25.53	17.68	27.17	52.17	25.00	Pass
2	0.4580	9.51	28.04	37.55	56.73	19.18	17.84	27.35	46.73	19.38	Pass
3	0.6940	9.44	29.25	38.69	56.00	17.31	22.59	32.03	46.00	13.97	Pass
4	0.9940	9.45	25.35	34.80	56.00	21.20	12.99	22.44	46.00	23.56	Pass
5	1.2980	9.44	24.75	34.19	56.00	21.81	12.19	21.63	46.00	24.37	Pass
6	6.8300	9.38	31.17	40.55	60.00	19.45	23.57	32.95	50.00	17.05	Pass



Project Information						
Mode: ON Voltage: AC 120V/60Hz						
Environment:	Temp: 25°C; Humi:60%	Engineer:	WHD			

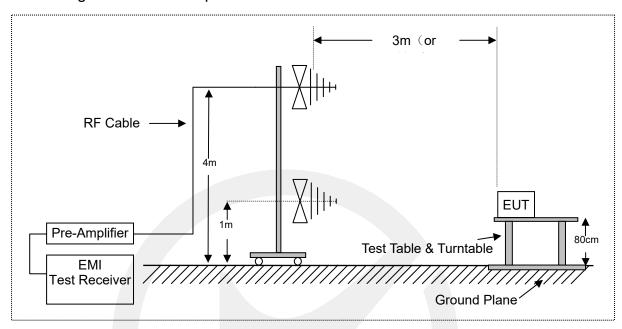


Final	Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.5420	9.54	32.06	41.60	56.00	14.40	26.79	36.33	46.00	9.67	Pass
2	0.6980	9.58	29.61	39.19	56.00	16.81	24.33	33.91	46.00	12.09	Pass
3	1.2420	9.58	27.21	36.79	56.00	19.21	20.82	30.40	46.00	15.60	Pass
4	1.6340	9.58	27.84	37.42	56.00	18.58	20.71	30.29	46.00	15.71	Pass
5	3.0220	9.57	25.66	35.23	56.00	20.77	17.13	26.70	46.00	19.30	Pass
6	5.3700	9.52	30.86	40.38	60.00	19.62	21.40	30.92	50.00	19.08	Pass



5. RADIATED EMISSION MEASUREMENT(UP TO 1GHz)

5.1. Block Diagram of Test Setup



5.2. Radiated Limit

FCC CFR Title 47, Part 15, Subpart B, Class B

F	requen	су	Distance	Field Strengths Limit			
	MHz		Meters	μV/m	dB(μV)/m		
30	~	88	3	100	40.0		
88	~	216	3	150	43.5		
216	~	960	3	200	46.0		
960	~	1000	3	500	54.0		

5.3. Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.



The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The bandwidth of the Receiver is set at 120 kHz.

Test results were obtained from the following equation: Measurement ($dB\mu V$) =Correct Factor (dB) + Reading ($dB\mu V$) Over (dB) = Measurement ($dB\mu V$) - Limit ($dB\mu V$)

5.4. Measuring Results

Pass.





						Project II	nforma	tion					
Mod	Mode: LIGHTIN		٧G		Voltage:			AC 120V/60Hz			Hz		
Environment: Temp: 25°C; H			lum	ni:60%	E	Engineer:			Allen	Tang]		
100						FC(C PART 1	15B					
90													
80								 					ļļ
70													
60								 		FC	C PAR	T 15B-	QP Limi
50													
40	1.42												
30	J. J.			Nº C								L	and the latest desired
20 +		- Augus	V-MATHER PORT		- ' '	Married JA	المسلة السياب	6.	وبالناف والمالية والمتحمد ومعيد	and the property of the last of			1
10+							AMILE TO SERVICE STREET						
30M					100	DM		•	•	+		-	
							quency[l	Hz1					

Final	Final Data List									
NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	38.73	58.35	-23.45	34.90	40.00	5.10	100	196	Vertical	Pass
2	44.065	57.37	-23.44	33.93	40.00	6.07	100	204	Vertical	Pass
3	52.31	47.83	-22.32	25.51	40.00	14.49	100	344	Vertical	Pass
4	86.5025	53.36	-25.22	28.14	40.00	11.86	100	132	Vertical	Pass
5	147.1275	45.92	-25.91	20.01	43.50	23.49	100	202	Vertical	Pass
6	205.57	43.26	-23.05	20.21	43.50	23.29	100	242	Vertical	Pass



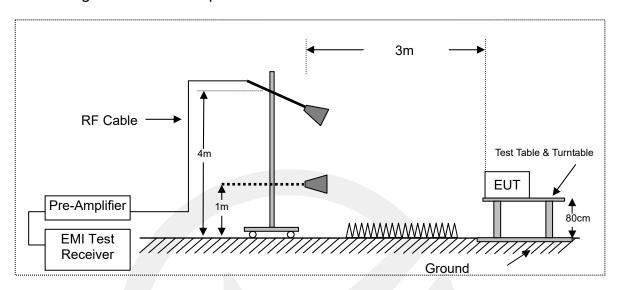
					Projec	t Informa	tion				
Mode:		ı	IGHTIN	G		Voltage:		AC 120V/60Hz Allen Tang			
Е	Environment: Temp: 25°C		25℃; H ι	ımi:60%	Е	Engineer:					
	100-		1			FCC PART 1	15B				
	90 -										
	80 -						I I I I				
	70 -						 				
	60 -						 		FCC P	ART 15B-Q	Plim
	50 -										
	40 -										
	30 -										A STATE OF THE PARTY OF THE PAR
	20 -				3 4	1 x 5	Warn subsidies	Hard Street Control of the Publisher Street, St.	Maria de la Companya		
	10-	~~~ ~~~~~	www -daw	Hamphalla doctored	make when the sales	Medidan Man					
	0 - 30)M		· · · · · · 1	00M				<u> </u>		
						Frequency[l	Hz]				

Final	Final Data List									
NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	36.79	42.38	-23.78	18.60	40.00	21.40	100	249	Horizontal	Pass
2	60.3125	38.68	-22.20	16.48	40.00	23.52	100	188	Horizontal	Pass
3	92.565	41.12	-25.16	15.96	43.50	27.54	100	158	Horizontal	Pass
4	100.5675	41.84	-23.82	18.02	43.50	25.48	100	322	Horizontal	Pass
5	146.4	46.38	-25.92	20.46	43.50	23.04	100	257	Horizontal	Pass
6	205.085	47.29	-23.06	24.23	43.50	19.27	100	84	Horizontal	Pass



6. RADIATED EMISSION MEASUREMENT (ABOVE 1GHz)

6.1. Block Diagram of Test Setup



6.2. Radiated Limit

FCC CFR Title 47, Part 15, Subpart B, Class B

Frequency range	Average limit	Peak limit			
MHz	dB(μV/m)	dB(μV/m)			
Above 1000	54	74			

Note: The highest internal source of an EUT is defined as the highest frequency generated or used in the device or on which the EUT operates or tunes. If the highest frequency of the internal sources of the EUT is less than 1.705 MHz, the measurement shall only be made up to 30 MHz. If the highest frequency of the internal sources of the EUT is between 1.705 MHz and 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

6.3. Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.



The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with peak detector for peak values, and use RBW=1 MHz and VBW=10 Hz with peak detector for Average Values.

Test results were obtained from the following equation: Measurement (dB μ V) =Correct Factor (dB) + Reading (dB μ V) Over (dB) = Measurement (dB μ V) - Limit (dB μ V)

6.4. Measuring Results

N/A.

*** End of Report ***



声明 Statement

1. 本报告无授权批准人签字及"检验报告专用章"无效;

This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制;

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效,委托方对样品的代表性和资料的真实性负责;

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内,仅作为客户委托、科研、教学或内部质量控制等目的使用;

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定,未考虑不确定度所带来的风险,本实验室不承担相关责任,特别约定、标准或规范中有明确规定的除外;

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议,请于收到报告之日起 20 日内提出;

Objections shall be raised within 20 days from the date receiving the report.