FCC TEST REPORT

FCC ID: 2AXVI-KLE10A

Product	:	soundbar
Model Name	:	KLE10A,Klear KLE10A,Klear KLE10AI,Klear KLE10AU,Klear KLE10AS
Brand	:	Klear
Report No.	:	PTC20092101301E-FC03

Prepared for

Certes.lv SIA

Braslas street 29A-202, Riga, LV-1084

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name	:	Certes.lv SIA
Address	:	Braslas street 29A-202, Riga, LV-1084
Manufacture's name	:	Shenzhen Listener Pro Technology Co., Ltd.
Address	:	Room203, D# Building, Duocai Science City, 5# Guanle Road, Luhu Community, Guanhu Street, Longhua District, Shenzhen, China
Product name	:	soundbar
Model name	:	KLE10A,Klear KLE10A,Klear KLE10AI,Klear KLE10AU, Klear KLE10AS
Test procedure		KDB 447498 D01 General RF Exposure Guidance v06
Test Date	:	Oct 14,2020 to Oct 30,2020
Date of Issue	:	Oct 30,2020
Test Result	:	Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Contents

Page

2 TEST SUMMARY.....4

3 GENERAL INFORMATION.....5

3.1 GENERAL DESCRIPTION OF E.U.T.....5

4 RF EXPOSURE.....6

4.1 REQUIREMENTS.....6

4.2 THE PROCEDURES / LIMIT.....6

4.3 MPE CALCULATION METHOD.....7

4.4 TEST RESULT.....7

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	soundbar
Model Number	:	KLE10A, Klear KLE10A, Klear KLE10AI:European power adapter included Klear KLE10AU:UK power adapter included Klear KLE10AS:USA power adapter included Note:It's just that the adaptor plugs are different, and other circuit principles are the same, which does not affect the test
Specification	:	Bluetooth 5.0
Operating frequency	:	2402-2480MHz
Modulation	:	GFSK, π/4DQPSK, 8DPSK
Number of Channel	:	79
Antenna installation	:	PCB Antenna
Antenna Gain	:	0 dBi
Power supply	:	Input:100-240V 50/60Hz Output:DC 24V 1.6A
Hardware Version	:	VER:A0
Software Version	:	V-02

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
BT	1	-2.465	0.57	0.0001	1	Pass

********THE END REPORT********