

File reference No.: 2022-07-25

Applicant: TITAN INC.

Address: 3530 Nw 115 Ave, Miami, Florida 33178, United States

Product: Speaker box / Parlante

Model No.: MS-1200B

Trademark: monki°

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 & FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Terry Tang Manager

Dated: July 25, 2022

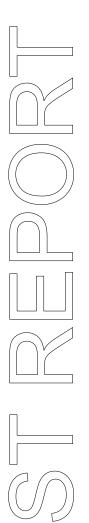
Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail: info@timeway-lab.com



Date: 2022-07-25



Page 2 of 49

Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

Date: 2022-07-25



Test Report Conclusion

	ten	

1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration.	5
1.6	Test Uncertainty.	5
1.7	Test By	5
2.0	List of Measurement Equipment	6
3.0	Technical Details	7
3.1	Summary of Test Results.	7
3.2	Test Standards	7
4.0	EUT Modification.	7
5.0	Power Line Conducted Emission Test.	8
5.1	Schematics of the Test.	8
5.2	Test Method and Test Procedure.	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition.	9
5.5	Conducted Emission Limit.	9
5.6	Test Result.	9
6.0	Radiated Emission test	12
6.1	Test Method and Test Procedure.	12
6.2	Configuration of the EUT	13
6.3	EUT Operation Condition.	13
6.4	Radiated Emission Limit.	13
6.5	Test Result.	15
7.0	Band Edge	23
7.1	Test Method and Test Procedure	23
7.2	Radiated Test Setup.	23
7.3	Configuration of the EUT	23
7.4	EUT Operating Condition.	23
7.5	Band Edge Limit.	23
7.6	Band Edge Test Result.	24
8.0	Antenna Requirement.	28
9.0	20dB bandwidth measurement.	29
10.0	FCC ID Label	35
11.0	Photo of Test Setup and EUT View.	36

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-07-25



1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: TITAN INC.

Address: 3530 Nw 115 Ave, Miami, Florida 33178, United States

Telephone: 305-369-6040 Fax: 305-320-3198

1.3 Description of EUT

Trademark:

Model Number:

Product: Speaker box / Parlante
Manufacturer: MAXTRONIX CO., LTD.

Address: NO.12, HEXIANG ROAD, WUJIN ECONOMIC DEVELOPMENT ZONE,

CHANGZHOU, JIANGSU, CHINA

1110

Additional Model Name N/A

Rating: AC100-220V, 50/60Hz, 80W

Battery: DC12V, 5Ah Sealed Lead Acid Battery

MS-1200B

Modulation Type: GFSK, Π/4DQPSK for Bluetooth

Operation Frequency: 2402-2480MHz

Channel Number: 79
Channel Separation: 1MHz
Hardware Version: 7.0
Software Version: 1.2

Serial No.: 202207121200B

Antenna Designation PCB antenna with gain -0.58dBi Max (Get from the antenna specification)

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Report No.: TW2207055-01E Page 5 of 49

Date: 2022-07-25



1.4 Submitted Sample: 1 Samples

1.5 Test Duration

2022-07-05 to 2022-07-25

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Conducted Emissions Uncertainty = 3.6dB

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

Page 6 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2022-06-17	2023-06-16
LISN	R&S	EZH3-Z5	100294	2022-06-17	2023-06-16
LISN	R&S	EZH3-Z5	100253	2022-06-17	2023-06-16
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2022-06-17	2023-06-16
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2022-06-17	2023-06-16
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-07-02	2024-07-01
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2022-06-17	2023-06-16
Power sensor	Anritsu	MA2491A	32263	2022-06-17	2023-06-16
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2022-06-17	2023-06-16
EMI Test Receiver	RS	ESVB	826156/011	2022-06-17	2023-06-16
EMI Test Receiver	RS	ESH3	860904/006	2022-06-17	2023-06-16
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2022-06-17	2023-06-16
Spectrum	HP/Agilent	E4407B	MY50441392	2022-06-17	2023-06-16
Spectrum	RS	FSP	1164.4391.38	2022-01-05	2023-01-04
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2022-06-17	2023-06-16
RF Cable	Zhengdi	7m		2022-06-17	2023-06-16
RF Switch	EM	EMSW18	060391	2022-06-17	2023-06-16
Pre-Amplifier	Schwarebeck	BBV9743	#218	2022-06-17	2023-06-16
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2022-06-17	2023-06-16
LISN	SCHAFFNER	NNB42	00012	2022-01-05	2023-01-04

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Page 7 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



3.0 Technical Details

3.1 Summary of test results

The EUT has been	ı tested accordin	g to the following	specifications:
		A	, 50000

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209 and RSS-210	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.0 EUT Modification

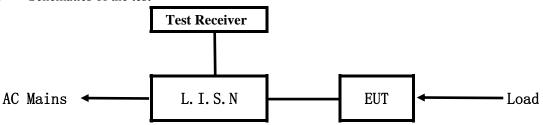
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

Date: 2022-07-25



5. Power Line Conducted Emission Test

5.1 Schematics of the test

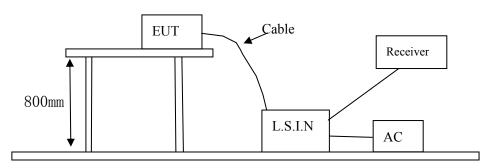


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4-2014.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Speaker box /	MAXTRONIX CO., LTD.	MS-1200B	2A6R4-MS1200B
Parlante	WAATKONIA CO., LTD.	WIS-1200D	2AUN4-WIS1200D

Report No.: TW2207055-01E Page 9 of 49

Date: 2022-07-25



B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 2A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2014

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)			
(MHz)	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 30.00	60.0	50.0		

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

Date: 2022-07-25



A: Conducted Emission on Live Terminal (150kHz to 30MHz)

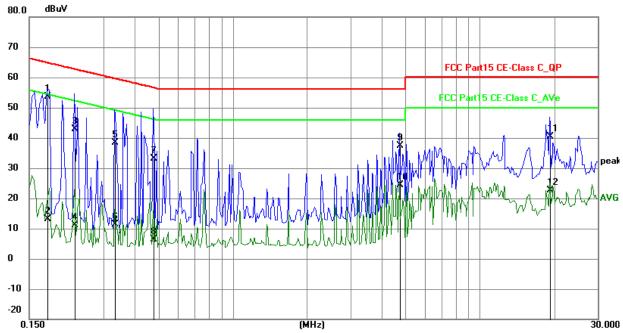
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1773	43.88	9.77	53.65	64.61	-10.96	QP	П
2	0.1773	3.32	9.77	13.09	54.61	-41.52	AVG	А
3	0.2280	33.19	9.75	42.94	62.52	-19.58	QP	Р
4	0.2280	1.27	9.75	11.02	52.52	-41.50	AVG	Р
5	0.3333	28.62	9.76	38.38	59.37	-20.99	QP	П
6	0.3333	1.66	9.76	11.42	49.37	-37.95	AVG	Л
7	0.4776	23.35	9.77	33.12	56.38	-23.26	QP	Р
8	0.4776	-3.37	9.77	6.40	46.38	-39.98	AVG	Р
9	4.7433	27.57	9.92	37.49	56.00	-18.51	QP	Р
10	4.7433	14.45	9.92	24.37	46.00	-21.63	AVG	Л
11	19.1927	29.75	10.63	40.38	60.00	-19.62	QP	Р
12	19.1927	11.99	10.63	22.62	50.00	-27.38	AVG	Р

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-07-25



B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

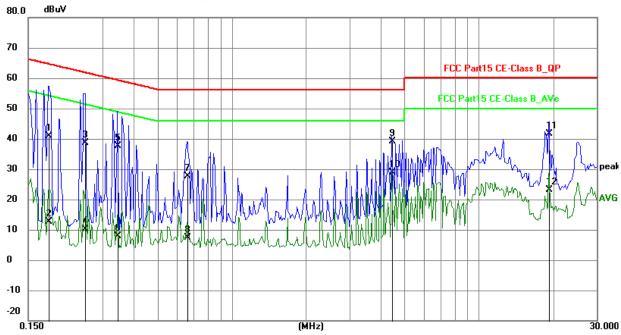
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1812	31.13	9.76	40.89	64.43	-23.54	QP	Ч
2	0.1812	2.96	9.76	12.72	54.43	-41.71	AVG	Р
3	0.2553	28.91	9.75	38.66	61.58	-22.92	QP	Р
4	0.2553	0.39	9.75	10.14	51.58	-41.44	AVG	Ъ
5	0.3450	27.79	9.76	37.55	59.08	-21.53	QP	П
6	0.3450	-1.92	9.76	7.84	49.08	-41.24	AVG	Р
7	0.6609	17.88	9.78	27.66	56.00	-28.34	QP	Р
8	0.6609	-2.42	9.78	7.36	46.00	-38.64	AVG	Р
9	4.4430	29.12	9.91	39.03	56.00	-16.97	QP	Л
10	4.4430	18.88	9.91	28.79	46.00	-17.21	AVG	Р
11	19.1772	31.00	10.63	41.63	60.00	-18.37	QP	Р
12	19.1772	12.61	10.63	23.24	50.00	-26.76	AVG	Р

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-07-25

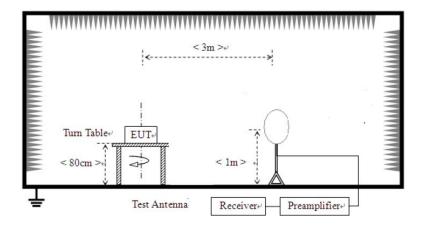


6 Radiated Emission Test

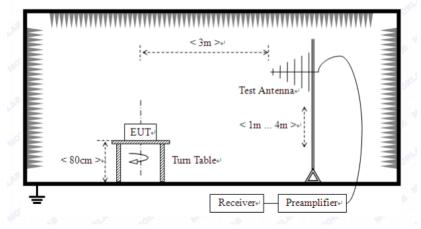
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to1GHz



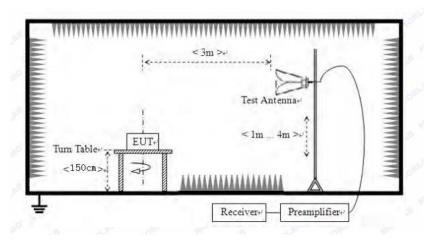
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-07-25



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength of Fundame	ntal (3m)	Field Strength of Harmonics (3m)			
(MHz)	mV/m	dBu	V/m	uV/m	dBuV/m		
2400-2483.5	50	94 (Average) 114 (Peak)		500	54 (Average)	74 (Peak)	

Note:

- 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

Page 14 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. The two modulation modes of GFSK and Pi/4D-QPSKwere tested. And only the worst case was recorded in the test report. GFSK was the worst case.

Report No.: TW2207055-01E Page 15 of 49

Date: 2022-07-25

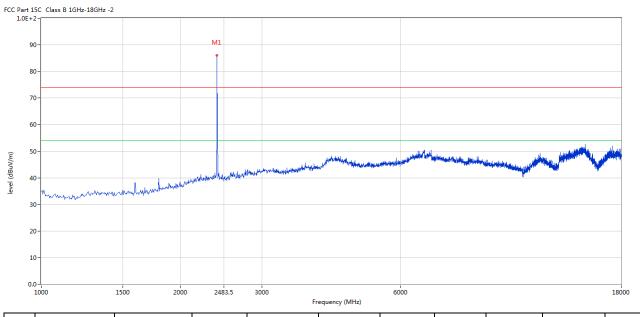


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

Horizontal



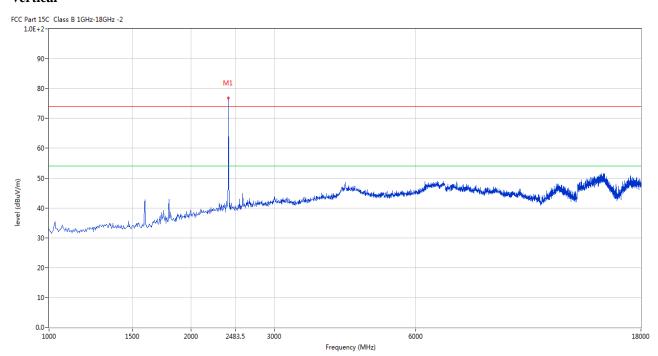
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2402	86.38	-3.57	114.0	-27.62	Peak	210.00	100	Horizontal	Pass

Report No.: TW2207055-01E Page 16 of 49

Date: 2022-07-25



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402	76.87	-3.57	114.0	-37.13	Peak	152.00	100	Vertical	Pass

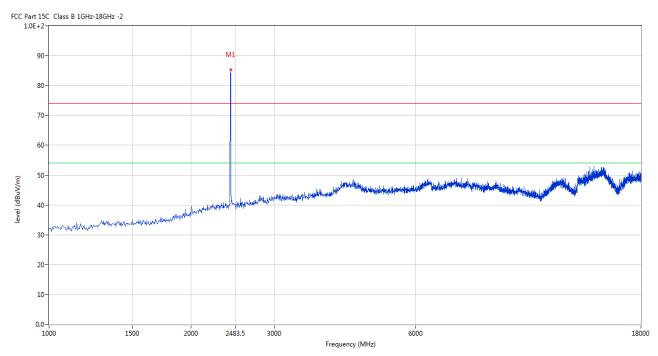
Report No.: TW2207055-01E Page 17 of 49

Date: 2022-07-25



Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



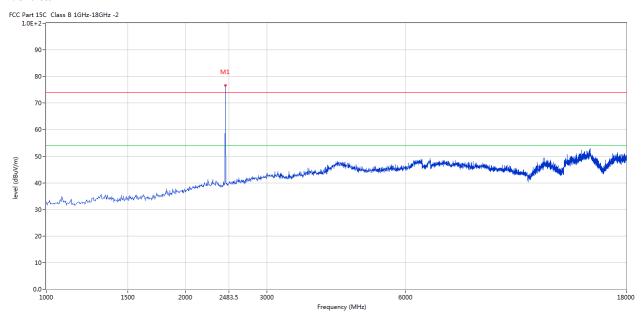
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2441	85.26	-3.57	114.0	-28.74	Peak	281.00	100	Horizontal	Pass

Report No.: TW2207055-01E Page 18 of 49

Date: 2022-07-25



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	76.63	-3.57	114.0	-37.37	Peak	171.00	100	Vertical	Pass

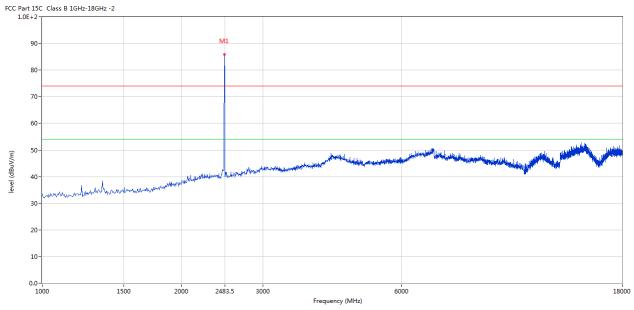
Report No.: TW2207055-01E Page 19 of 49

Date: 2022-07-25



Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2480	85.79	-3.57	114.0	-28.21	Peak	149.00	100	Horizontal	Pass

Page 20 of 49

162.00

100

Vertical

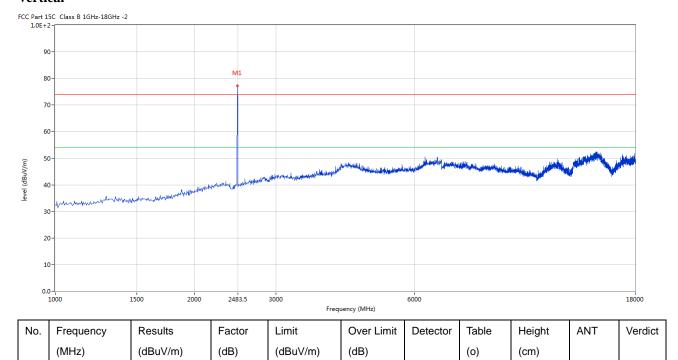
Pass

Report No.: TW2207055-01E

Date: 2022-07-25



Vertical



Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

114.0

(3)Margin=Emission-Limits

77.20

2480

- (4)According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting

-3.57

(5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.

-36.80

Peak

(6) the measured PK value less than the AV limit.

Report No.: TW2207055-01E Page 21 of 49

Date: 2022-07-25

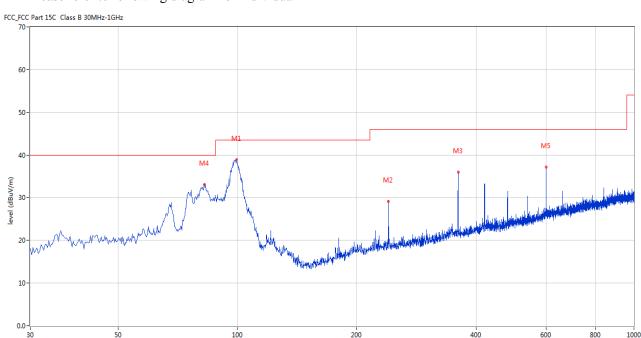


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	99.338	38.95	-13.64	43.5	-4.55	Peak	199.00	200	Horizontal	Pass
2	239.953	29.08	-12.33	46.0	-16.92	Peak	237.00	100	Horizontal	Pass
3	359.960	35.99	-9.46	46.0	-10.01	Peak	200.00	100	Horizontal	Pass
4	82.609	33.03	-17.06	40.0	-6.97	Peak	0.00	200	Horizontal	Pass
5	599.975	37.19	-4.95	46.0	-8.81	Peak	145.00	100	Horizontal	Pass

Frequency (MHz)

Report No.: TW2207055-01E Page 22 of 49

Date: 2022-07-25

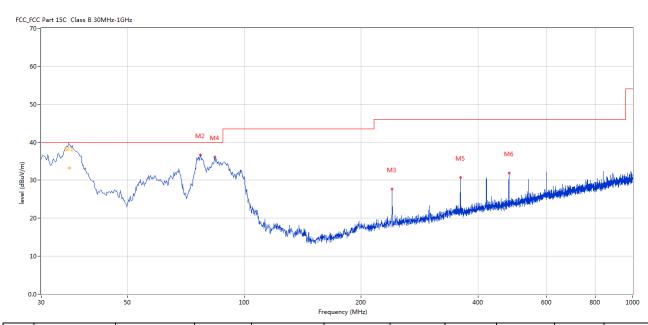


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	35.433	37.29	-13.92	40.0	-2.71	Peak	360.00	200	Vertical	Pass
1*	35.433	33.23	-13.92	40.0	-6.77	QP	360.00	200	Vertical	Pass
2	77.033	36.68	-17.60	40.0	-3.32	Peak	190.00	100	Vertical	Pass
3	239.953	27.67	-12.33	46.0	-18.33	Peak	0.00	200	Vertical	Pass
4	84.064	36.18	-16.72	40.0	-3.82	Peak	206.00	100	Vertical	Pass
5	359.960	30.68	-9.46	46.0	-15.32	Peak	0.00	200	Vertical	Pass
6	479.968	31.90	-7.40	46.0	-14.10	Peak	214.00	100	Vertical	Pass

Date: 2022-07-25

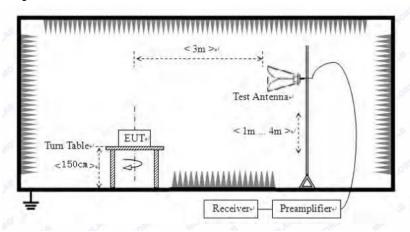


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

The report refers only to the sample tested and does not apply to the bulk.

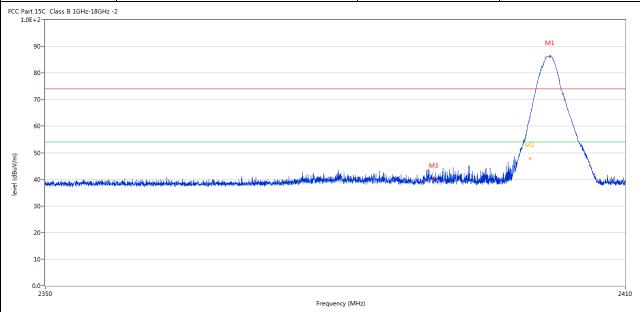
Report No.: TW2207055-01E Page 24 of 49

Date: 2022-07-25



7.6 Test Result

Product:	Speaker box / Parlante	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.142	86.29	-3.57	74.0	12.29	Peak	208.00	100	Horizontal	N/A
2	2400.042	63.34	-3.57	74.0	-10.66	Peak	208.00	100	Horizontal	Pass
2**	2400.042	47.88	-3.57	54.0	-6.12	AV	208.00	100	Horizontal	Pass
3	2390.040	40.33	-3.53	74.0	-33.67	Peak	202.00	100	Horizontal	Pass

Page 25 of 49 Report No.: TW2207055-01E



Product: Speaker bo				/ Parlante		Detecto	or	-	Vertical		
	Mode	k	Keeping Tra	ansmitting		age 120V~					
Те	mperature					ty	56% RH				
Те	est Result:		Pas	SS							
Part 1	15C Class B 1GHz-18GHz	-2									
9	90-										
8	30-								M1		
7	70-										
								/			
6	50-										
5	50-					M3	. 1				
	منالم المادين المادين	فأخر وبالهن فيستنسلت	Notice of Administration of the Administration	والمناولة ووالمالية والمالية	والموالية والمراجع والموالية	الوالية المراكزة المسلمان ومنطقة روب		M2	λ_{\perp}		
4	40- All many strains and strai			AND THE REPORT OF THE PERSON	THE PARTY OF THE PARTY OF THE PARTY.	A Manual State of the state of			MIL.	فالمراب المالية	
	30-		Control in the Control of the Section of the Control of the Contro		and the second				· ·	Haran Land	
3			agus a fel memerana estado						W _m l	ida mund	
			en ita Milabenna a selekti tan jadan salit							the second	
2	20-		en za lide Menne standen (nom medien sell).								
2	80-		and the transfer of the transf								
3 2 1 0.	20-		A THE SECTION OF THE						W		
1 0.	20-		A THE PROPERTY OF THE PROPERTY		requency (MHz)				****		
2 1 0.	20-	Results	Factor			Detector	Table	Height	ANT	2	
1 0.	200- 100- 100- 100- 100- 100- 100- 100-			1	requency (MHz)		Table (o)	Height (cm)		2.	
3 2 1 0.	20- 10- 2350 Frequency	Results	Factor	Limit	requency (MHz) Over Limit			_		verd N/A	
3 2 1 0. No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	over Limit (dB)	Detector	(o)	(cm)	ANT	Verd	

Page 26 of 49 Report No.: TW2207055-01E



I	Product:		Speaker	box / Parla	nte		Polarity	y	Horizon	tal	
	Mode		Keepin	g Transmitti	ng	,	Test Volta	age	120V~		
Te	mperature		24	4 deg. C,			Humidit	ty	56% RH		
Te	est Result:			Pass							
Part 1	5C Class B 1GHz-18GHz 2-	-2				•					
90		P. A.									
70											
00	60-										
		. //	<i></i>	M2							
-		n nakkakkulainen	/	M2	<u> </u>						
-		Control of the book of the boo	/	M2	Marie Jackson and Marie Control of the Control of t	forcessate alleges before before before	of no bearing the sound of the second	who and arrelative posterior broken by	de la marca de la	Cordina.	
50	O-	Conjunite and the property of the second	/	M2	Andrew Jackson Christian Charles	formelle de	of the language of the language	ala jajahan ja ja ja hada ja ja	the land of the la	Leville III	
50 40	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	ssainskinningsfilight die betreet in der sterreicht der der sterreicht der sterreicht der sterreicht der sterre	/	M2	And the second second	forcessories de la	idya da kapalangkan beliddig da	ala aj korda parado de las	der Language and Milliongraphics	Lordinia	
50 40 30 20	0 - 	animikaning pa ^{la} lah di kabulan	/	M2	Mary holder land about	فالمتعادية المتعادية	4.41.4.4.4.4	ob. i kiroka paradoka jing	der Louise auf Walst (Bergeranden)	, webbly as	
50 40 30 20	00 - 44 - 44 - 44 - 44 - 44 - 44 - 44 -	a wind have a significant of the state of th	/	M2	And the last of th	en e		ok ci i waxa ni waka ji u	de la mara a Pidal de La Maria de La M	could be	
50 40 30 20 10	00 - 44 - 44 - 44 - 44 - 44 - 44 - 44 -	SSALINISH MENTERS (A) A BANGAR AND	/	2483.		forende de divisió de de per de d	id per la despisação de la literação	vla, gj. ja volas ja saise kristoja is	on a service of the s	2500	
5(4(3(2(10	00-	Results	Factor		5	Detector	Table	Height	ANT	2500	
50 40 30 20 10	0		Factor (dB)	2483.	5 Frequency (MHz)					2500	
50 40 30 20 10	o	Results		2483.	5 Frequency (MHz) Over Limit		Table	Height			

Report No.: TW2207055-01E Page 27 of 49

Date: 2022-07-25



ŀ	Product:		Speake	er box / Parlai	nte		Detecto	r	Vertical		
	Mode		Keepir	ng Transmitti	ng	-	Test Volta	age	120V~		
Te	mperature		2		Humidit	ty	56% RI				
Te	est Result:			Pass							
CC Part 1	.5C Class B 1GHz-18GHz 2-r	-2				•					
90	0-										
80	0-		M1								
70	0-										
60	0-			1							
			/	\ \							
			/	***							
-		1		M2							
-	0-	milled day dip to the property of the second		M2	de participation de la company	John of the state		nd distribution of the land	holiered addressly to be also maked	No. 12 Mark	
-	o-dalahan parteman di Laba	nikk daribat di dajih kumabaran		M2	de the back of the late of the	alakan da kalakan da karan sa k	Hands of the Standing of Stand	nd distribution on Aduly Sugar	hillerikali balifatirikan kumbulu,	to the state of th	
(m//m) (m//m) 44	0- 	منظر فأعياله والمعارض والمتعارض والم		M2	destil deidelidelides suises	ildesta, ah salalah dipunksan	in a state of the second of th	ndidaningah, mendelidi bag	hikari kathariya tarih makating	to the desired to the second s	
(W/\ngn (QRn \(\rho\)) 44 44 44 44 44 44 44		nikli dika ili si di diniki imodo ka mod		M2	الموطاة المتواطع بمناوات	ildega, ağı ağlaşidir. İlçinderakça a	ikanda isiri binakka dalahi	salda kirika	kolonikali palgatai kyra vuoloi	in the latest the second secon	
(W/) 50 (A) 40 (A) 30 (A) 20 (A) 30 (A) 30 (A) 40 (A) 40 (nikk danka di dankan dan dan dan dan dan dan dan dan dan d		M2	daşilir beşilerindekin seribi s		in policy in the collection of	ad planting and adjudy	idadakaipleida	a de la Maria	
(W/\ngp) 40 30 20		nikli ddaillaidi daille gann da ann a		M2		ildasi ili dilikadi oli sadi oli	المادية فالمداولة فالمداولة المداولة المداولة المداولة المداولة المداولة المداولة المداولة المداولة المداولة ا	aliphirish madilibu	i iliad kalendari ku a maladi.	2500	
(W/\nngp) awa 44 20 20 10 0.4	0-0-0-0-0-2470		Factor	Fre	equency (MHz)					Г	
(W/\nngp) awa 44 20 20 10 0.4	o	Results	Factor	Limit	equency (MHz) Over Limit	Detector	Table	Height	ANT	Г	
(W//nnpp) 944 34 24 34 14 34 14 34 34 34 3	o	Results (dBuV/m)	(dB)	Limit (dBuV/m)	over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdic	
(w//mg/(w//mg/(w//mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg	o	Results		Limit	equency (MHz) Over Limit		Table	Height		verdic N/A Pass	

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. Two modulation Types were tested and only the worst case was recorded in the test report and GFSK modulation was the worst case.

Date: 2022-07-25



Page 28 of 49

8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna. The antenna gain is -0.58dBi Max. It fulfills the requirement of this section. Test Result: Pass

Page 29 of 49

Report No.: TW2207055-01E



FSK											
Product:	Speaker box / Parlante					est Mode:	Keep transmitting				
Mode	Keeping Transmitting					est Voltage		120V~			
Temperature	24 deg. C,					Humidity		56%	RH		
Test Result:		Pass			Detector			P	K		
0dB Bandwidth	:	865.73kHz	Z					-	-		
Ref Lvl	Marker ndB	1 [T1 r	ndB] .00 dB	RI VI	3W 3W	30 ki 100 ki		F Att	20 d	В	
10 dBm	BW 86	5.731462	293 kHz	SI	VТ	8.5 ms	s Ui	nit	d:	Bm	
10						v ₁	[T1]	2.40183	.78 di		
0				$\backslash \Lambda$		ndB BW		20 5.73146	0.00 di 293 ki		
-10		/	$\sqrt{}$	* h	7	∇ _{T1}	[T1]	2.40154		Ηz	
-20		TA			Ť	<u></u>	[T1]	-22 2.40240			
1MAX		کر ا				M		2.40240	581 GI	11	
-40							<u>\</u>				
-50	~~~							~			
ma	V						W	h	Muga		
-60											
-70											
-80											
-90											
Center 2.402	2 GHz	'	300	kHz/		<u>'</u>		Spa	ın 3 MI	Iz	

Page 30 of 49

Report No.: TW2207055-01E



Product:		Speaker	box / Par	lante		Т	est Mode:		Keen tra	ansmitting		
Mode			g Transmi				est Voltage		120V~			
Temperature			4 deg. C,	umg			Humidity	56% RH				
Test Result:	Pass									PK		
20dB Bandwidth		04	59.72kHz			Detector						
and Danuwidili	1											
Ref Lvl			1 [T1 n			BW BW	30 ki 100 ki		7 Att	20 dB		
10 dBm	ndB 20.00 dB BW 859.71943888 kHz					ьw WT	8.5 ms		nit	dBm	ı	
10		2,, 000	., 13 13 6	1111						u =	i I	
							V 1	[T1]	- 0	.13 dBm	A	
0				1			17		2.44083	467 GHz		
					Λ		ndB BW	85	20 19.71943	.00 dB 888 kHz		
-10					V h	_	$oldsymbol{ abla}_{ ext{Tl}}$	[T1]	<u>-2</u> 0	.93 dBm		
-10				M			1		2.44054	008 GHz		
			TAV W				$\nabla_{\mathbf{T}^2} \nabla_{\mathbf{T}^2}$	[T1]	-19	.43 dBm		
-20			~				\sim		2.44139	980 GHz	1M2	
		^	<i>)</i> *				\mathcal{N}					
-30												
								4				
-40	MM.								\			
-50	-J^(V.						V_	The state of the s	lant of a		
-60										~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
-70												
-80												
-90												
Center 2	.441 GH	[z		300	kHz/		1		Spa	n 3 MHz	ı	
Date: 18	8.JUL.20		300 kHz/									

Page 31 of 49

Report No.: TW2207055-01E



Product:	S	Speaker	box / Par	lante		Т	est Mode:		Keep transmitting			
Mode			g Transmi				est Voltage		120V~			
Temperature			4 deg. C,				Humidity		56%	% RH		
Test Result:	Pass						Detector]	PK		
OdB Bandwidth		85	9.72kHz									
<u> </u>	Ma	rker	1 [T1 n	ıdB]	R	.BW	30 ki	ız RI	7 Att	20 dB		
Ref Lvl	nd	.B	20.	00 dB	VBW	BW	100 kF	Iz				
10 dBm	BW 859.71943888 kHz				S	WT	8.5 ms	s Ur	nit	dBm	ì	
10							v ₁	[T1]	C	.56 dBm	A	
				1					2.47983	467 GHz		
0				M	Λ		ndB	85	20	.00 dB		
						١	BW ▼ _{T1}	85 [T1]	9.71943 19-19	888 kHz		
-10				M			١		2.47954			
			T1				$\nabla_{\mathbf{T}^2} \nabla_{\mathbf{T}^2}$	[T1]	-19	.72 dBm		
-20 1MAX							M		2.48040	581 GHz	1M2	
-30								4				
-40	~~\/	<u> </u>										
-50								v	Y	when		
-60												
-70												
-80												
-90 Center 2	40 GH-			300	kHz/					ın 3 MHz		

Page 32 of 49

Report No.: TW2207055-01E



Product:	Speaker box / Parlante						est Mode:		Keep transmitting			
Mode			ng Transm				st Voltage		120V~			
Temperature			24 deg. C,				St voltage Iumidity	56% RH				
Test Result:	Pass						Detector		Pk			
OdB Bandwidth	1.232MHz											
^	1		1 [T1 n		19	3W	30 k	Hz Pi		20 dB		
Ref Lvl		ndB		00 dB		3W	100 k		1100	20 02		
10 dBm	E	3W 1	.232464	93 MHz	SI	WT 8.5 ms		s Uı	nit	dBm		
10							v ₁	[T1]	-1	.34 dBm		
				1					2.40183	467 GHz		
0				Ž o			ndI		20	.00 dB		
					\		BW		1.23246			
-10			$\sim\sim$	<u> </u>	m)	لهمر	$\sqrt{\nabla_{\mathrm{T}}}$	[T1]	-21	.92 dBm		
			$\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$				\vee	ζ[T1]	2.40135	972 GHz .41 dBm		
-20		T1						2	2.40259	218 GHz		
1MAX								\				
-30												
-40	\mathcal{M}	\						W.	√			
-50	<i>y</i>								Wh	who		
-60												
-70						-						
-80												
-90 Center 2.	400 077	_		300	kHz/				G	n 3 MHz		

Page 33 of 49

Report No.: TW2207055-01E



/4DQPSK		<i>a</i> :	1 / 5	•			3.5. 1		V titti			
Product:			r box / Par				est Mode:			ansmitting		
Mode			g Transmi	tting			est Voltage	;	120V~			
Temperature	24 deg. C,						Humidity			% RH		
Test Result:			Pass				Detector]	PK		
0dB Bandwidth	1.251MHz											
Ŕ		Marker	1 [T1 n	ndB]	I	RBW	30 k	Hz R	F Att	20 dB		
Ref Lvl		ndB		00 dB	7	/BW	100 k					
10 dBm		BW 1	L.250501	00 MHz	Š	SWT	8.5 m	s U:	nit	dBm	ı	
10							v ₁	[T1]	(.17 dBm	A	
				1					2.44083	467 GHz	-	
0				\\ \			ndE	3	20	.00 dB		
			^	/ \/ /			M V _T		1.25050			
-10			 	~~				[T1]	2.44036	.34 dBm		
		т1	\mathcal{J}				△ ⁻¹ 1-1	22[T1]	-19			
-20								<u> </u>	2.44161	.92 GBM	Ì	
1MAX											1M2	
-30												
-40								Ly	W			
-50	V -								*** VC	The same of the sa		
-60												
-70												
-80												
-90 Center 2	. 441 GF	Hz.		300	kHz/	,			Spa	ın 3 MHz		
2011001 2				300	/				SPC			

Page 34 of 49

Report No.: TW2207055-01E



Product: Mode Temperature Test Result: 20dB Bandwidth Ref Lv1 10 dBm	Keeping To 24 de Pa 1.226 Marker 1 ndB	x / Parlante ransmitting eg. C, ass 6MHz [T1 ndB] 20.00 dB 2645291 MHz	Т	Test Mode: Test Voltage Humidity Detector 30 kHz	12 56 RF Att	eansmitting 20V~ % RH PK 20 dB
Temperature Test Result: 0dB Bandwidth Ref Lv1 10 dBm	24 de Pa 1.226 Marker 1 ndB	eg. C, ass MHz [T1 ndB] 20.00 dB	RBW VBW	Humidity Detector 30 kHz	S6	% RH PK
Test Result: 20dB Bandwidth Ref Lv1 10 dBm	Pa 1.226 Marker 1 ndB	MHZ [T1 ndB] 20.00 dB	RBW VBW	Detector 30 kHz 100 kHz	RF Att	PK
Ref Lvl 10 dBm	1.226 Marker 1 ndB	MHz [T1 ndB] 20.00 dB	RBW VBW	30 kHz	RF Att	
Ref Lvl 10 dBm	Marker 1 ndB	[T1 ndB] 20.00 dB	VBW	30 kHz 100 kHz		
10 dBm	ndB	20.00 dB	VBW	100 kHz		20 dB
10 dBm						
10	BW 1.2	2645291 MHz	SWT			
				8.5 ms	Unit	dBm
0				v ₁ [5	71]	0.59 dBm
0		1			2.4798	3467 GHz
		\ \ \ \ \	\	ndB	20	0.00 dB
			lus ~	BW	1.2264	
-10			\\\	V V T	T1] -1	8.90 dBm
	T			V 1172	2.47930 [T1] -1	
-20	7				2.48059	
1MAX						
-30						
-40	, C					
-50					A	
-60						
-70						
-80						
-90						
Center 2.48 GF	Iz	300	kHz/		Spa	an 3 MHz

Report No.: TW2207055-01E Page 35 of 49

Date: 2022-07-25



10.0 FCC ID Label

FCC ID: 2A6R4-MS1200B

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



Page 36 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



11.0 Photo of testing

11.1 Conducted test View



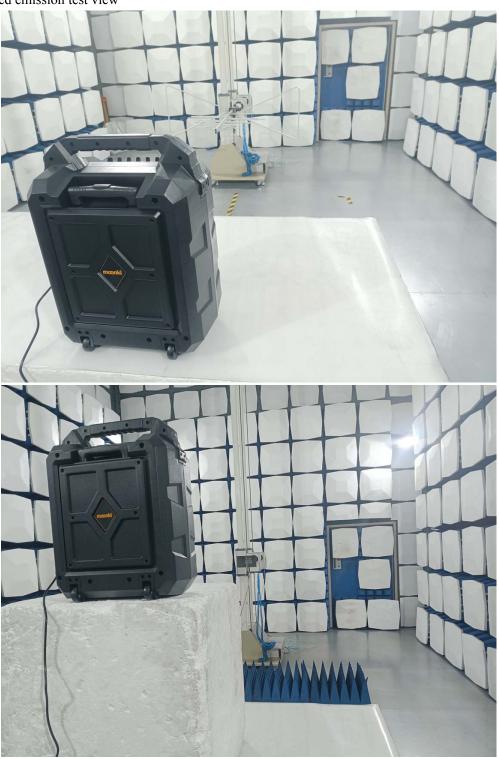
Page 37 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Radiated emission test view



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Report No.: TW2207055-01E

Date: 2022-07-25



11.2 Photographs – EUT

Outside View





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 39 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Outside View





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES.

will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 40 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Outside View





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES.

will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 41 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Outside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 42 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Inside View





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

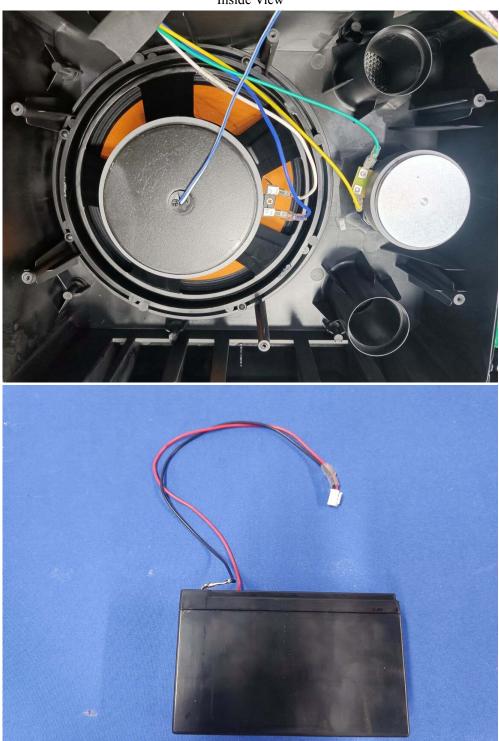
Page 43 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Inside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES.

will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 44 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Inside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 45 of 49

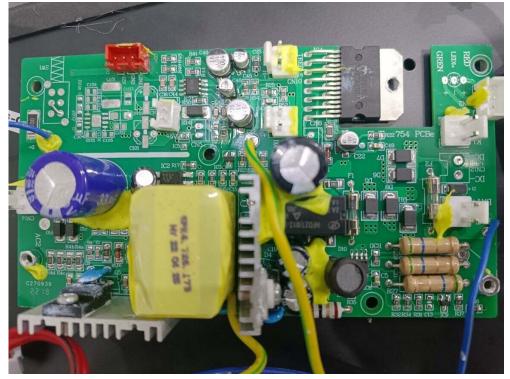
Report No.: TW2207055-01E

Date: 2022-07-25



Inside View





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES.

will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

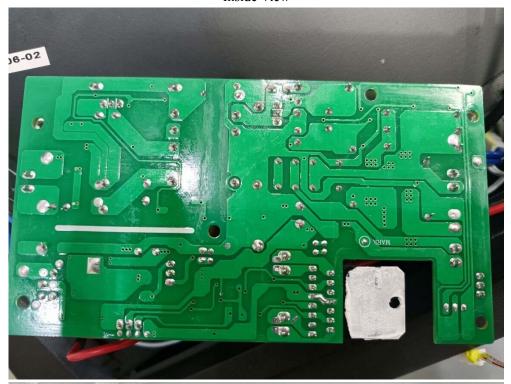
Page 46 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Inside View





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

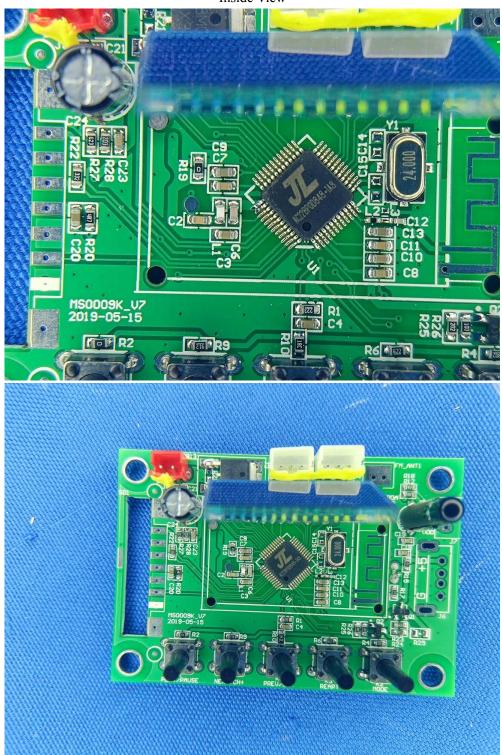
Page 47 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Inside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

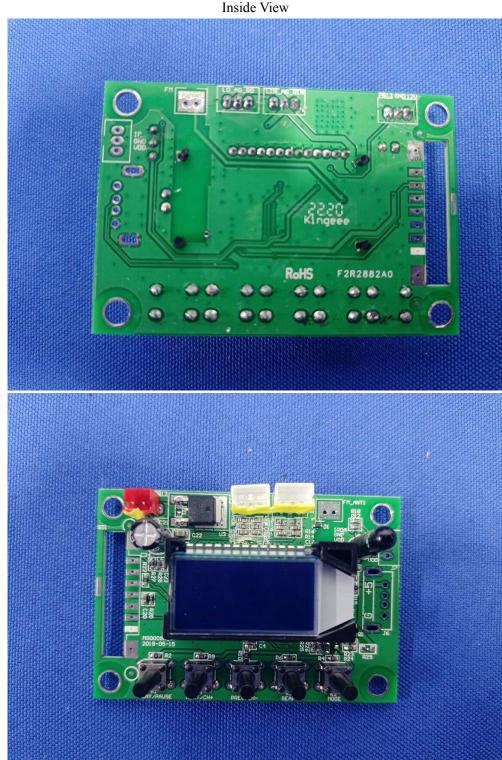
In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 48 of 49

Report No.: TW2207055-01E

Date: 2022-07-25





The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 49 of 49

Report No.: TW2207055-01E

Date: 2022-07-25



Inside View





-- End of the report--

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES.

will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to