



Report No.: TW2109065E File reference No.: 2021-09-13

Applicant: Bytech NY Inc.

Product: Bluetooth earphone

Model No.: HM-AU-BE-221, TWS20, XT-57

Trademark: Bytech, iHome

Test Standards: FCC Part 15.249

It is herewith confirmed and found to comply with the Test result:

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

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: September 13, 2021

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

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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 17025:2005 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

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Test Report Conclusion

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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: Bytech NY Inc.

Address: 2585 West 13th Street Brooklyn NY 11223 USA

Telephone: (718) 449 3700 Fax: (718) 449 3700

1.3 Description of EUT

Product: Bluetooth earphone

Manufacturer: Glory Star Technology Industrial Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: Bytech Additional Trademark: iHome

Model Number: HM-AU-BE-221 Additional Model Name TWS20, XT-57

Hardware Version: V02 Software Version: V121

Rating: DC5V input or Built-in DC3.7V, 30mAh Li-ion battery for earphones and DC5V

input or Built-in DC3.7V, 300mAh Li-ion battery for charger base.

Modulation Type: GFSK, Pi/4D-QPSK Operation Frequency: 2402-2480MHz

Channel Separate: 1MHz Channel Number: 79

Antenna Designation PCB antenna with gain 0.5dBi (Declared by the applicant)

1.4 Submitted Sample: 1 pc

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1.5 Test Duration

2021-09-06 to 2021-09-13

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

Terry Tang

The sample tested by

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
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	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2021-06-18	2022-06-17
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

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

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
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	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

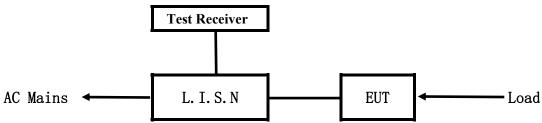
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

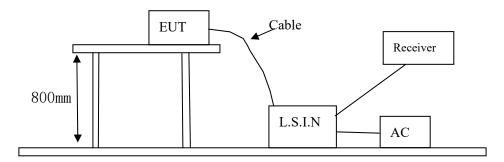


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

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



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. 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
Bluetooth	Glary Star Tachnology Industrial Co. Ltd	HM-AU-BE-221, 2AHN6-AU	
earphone	Glory Star Technology Industrial Co., Ltd.	TWS20	ZATINO-AUDEZZI

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device Manufacturer		Model	Rating		

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013

- 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 ~ 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:

Pass

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

EUT Operating Environment

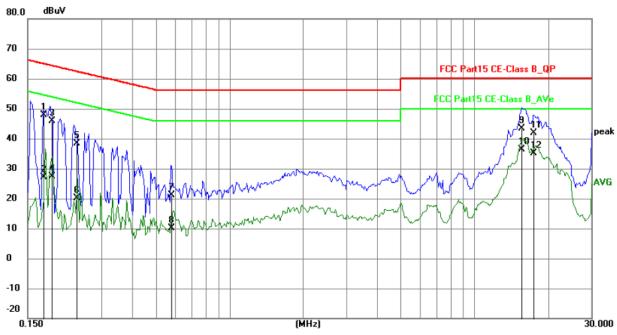
Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Model: HM-AU-BE-221

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	0.1749	37.99	9.77	47.76	64.72	-16.96	QP	Р
2	0.1749	17.38	9.77	27.15	54.72	-27.57	AVG	Р
3	0.1874	36.13	9.76	45.89	64.15	-18.26	QP	Р
4	0.1874	17.52	9.76	27.28	54.15	-26.87	AVG	Р
5	0.2378	28.62	9.75	38.37	62.17	-23.80	QP	Р
6	0.2378	10.38	9.75	20.13	52.17	-32.04	AVG	Р
7	0.5790	11.36	9.77	21.13	56.00	-34.87	QP	Р
8	0.5790	0.25	9.77	10.02	46.00	-35.98	AVG	Р
9	15.6282	33.01	10.42	43.43	60.00	-16.57	QP	Р
10	15.6282	25.85	10.42	36.27	50.00	-13.73	AVG	Р
11	17.4612	31.30	10.53	41.83	60.00	-18.17	QP	Р
12	17.4612	24.56	10.53	35.09	50.00	-14.91	AVG	Р

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

EUT Operating Environment

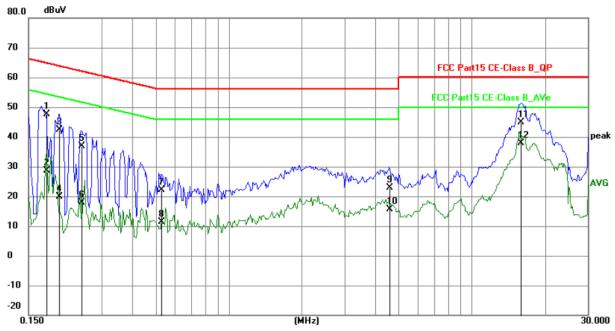
Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Model: HM-AU-BE-221

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	0.1777	37.80	9.77	47.57	64.59	-17.02	QP	Р
2	0.1777	18.74	9.77	28.51	54.59	-26.08	AVG	Р
3	0.2007	32.54	9.75	42.29	63.58	-21.29	QP	Р
4	0.2007	10.20	9.75	19.95	53.58	-33.63	AVG	Р
5	0.2475	27.04	9.75	36.79	61.84	-25.05	QP	Р
6	0.2475	8.09	9.75	17.84	51.84	-34.00	AVG	Р
7	0.5283	12.40	9.77	22.17	56.00	-33.83	QP	Р
8	0.5283	1.55	9.77	11.32	46.00	-34.68	AVG	Р
9	4.5795	12.92	9.91	22.83	56.00	-33.17	QP	Р
10	4.5795	5.69	9.91	15.60	46.00	-30.40	AVG	Р
11	15.8934	34.42	10.43	44.85	60.00	-15.15	QP	Р
12	15.8934	27.42	10.43	37.85	50.00	-12.15	AVG	Р

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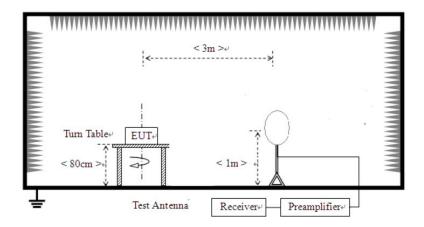


6 Radiated Emission Test

- 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



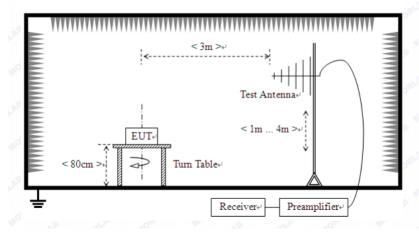
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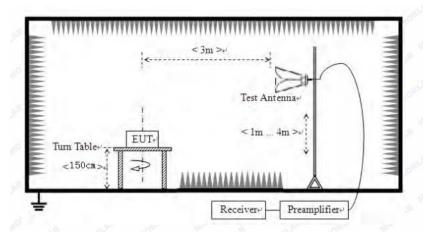
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For radiated emissions from 30MHz to1GHz



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.

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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	ental (3m)	Field Strength of Harmonics (3m)		
(MHz)	mV/m	dBuV/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.

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

Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
30-88	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. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 5. 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.
- 7. The two modulation modes of GFSK and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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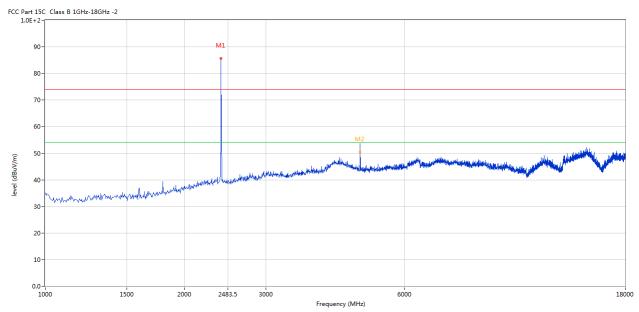


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



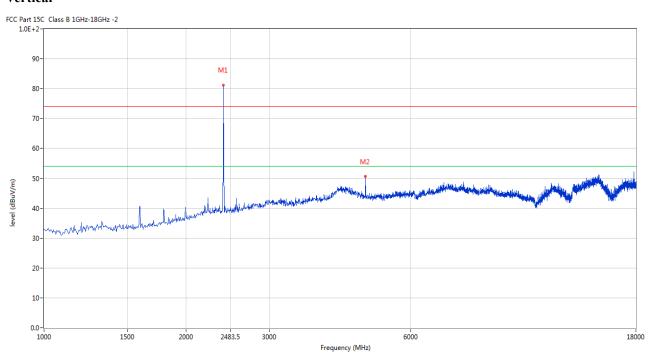
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.149	85.60	-3.57	114.0	-28.40	Peak	186.00	100	Horizontal	Pass
2	4802.799	53.64	3.12	74.0	-20.36	Peak	258.00	100	Horizontal	Pass
2**	4802.799	50.55	3.12	54.0	-3.45	AV	258.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	81.19	-3.57	114.0	-32.81	Peak	177.00	100	Vertical	Pass
2	4802.799	50.57	3.12	74.0	-23.43	Peak	163.00	100	Vertical	Pass

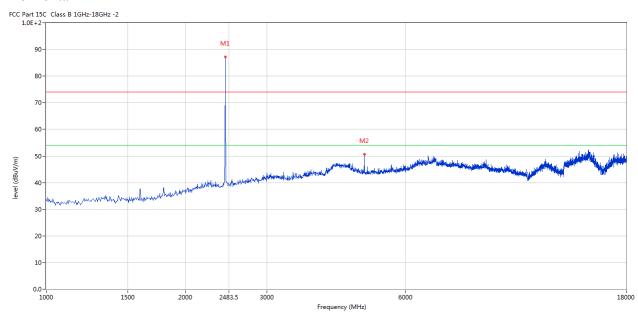
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



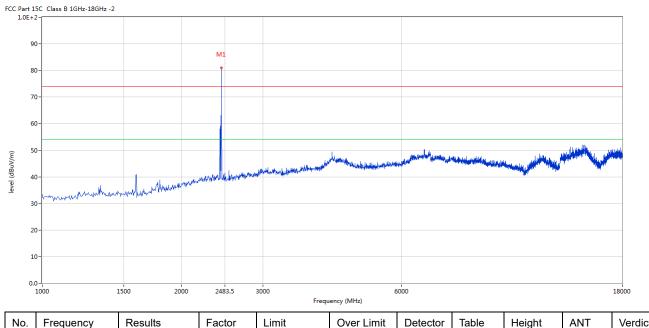
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	87.22	-3.57	114.0	-26.78	Peak	185.00	100	Horizontal	Pass
2	4883.529	50.73	3.20	74.0	-23.27	Peak	250.00	100	Horizontal	Pass

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Vertical



	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2440.390	81.07	-3.57	114.0	-32.93	Peak	178.00	100	Vertical	Pass

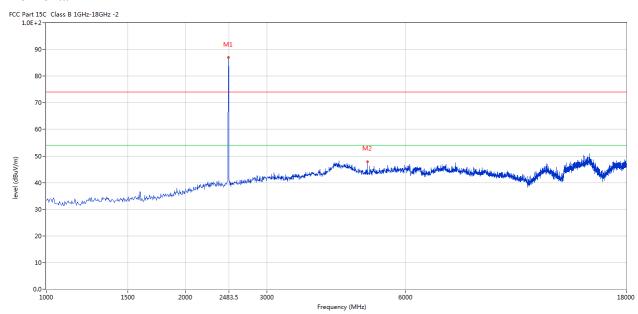
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



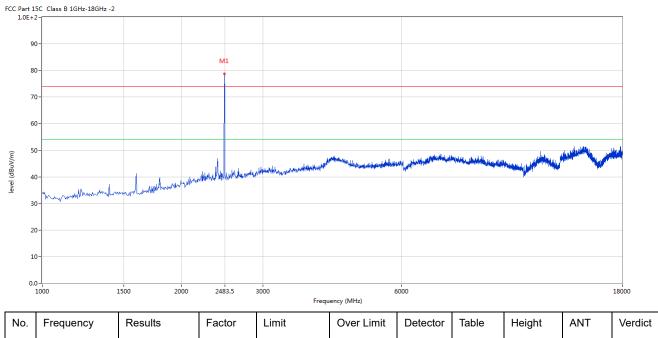
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.630	86.97	-3.57	114.0	12.97	Peak	195.00	100	Horizontal	Pass
2	4960.010	47.90	3.36	74.0	-26.10	Peak	257.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.630	78.68	-3.57	114.0	-35.32	Peak	164.00	100	Vertical	Pass

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

- (3) Margin=Emission-Limits
- (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
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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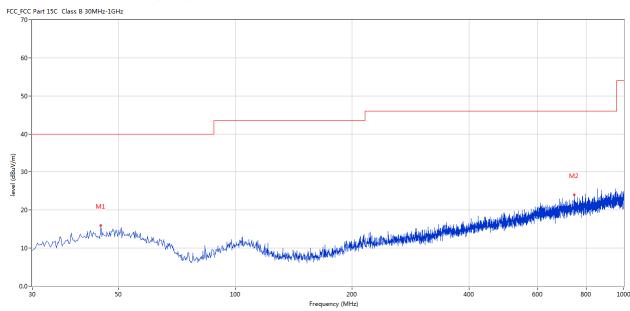


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	45.031	15.94	-11.41	40.0	-24.06	Peak	316.00	100	Horizontal	Pass
2	745.439	23.99	-3.43	46.0	-22.01	Peak	340.00	100	Horizontal	Pass

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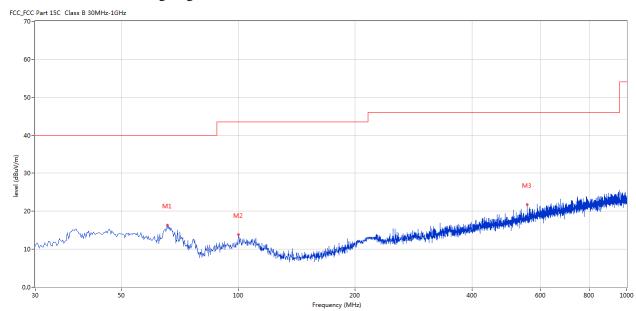


Radiated Emission In Vertical (30MHz----1000MHz)

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	65.639	16.40	-13.79	40.0	-23.60	Peak	133.00	100	Vertical	Pass
2	100.065	13.90	-13.52	43.5	-29.60	Peak	55.00	100	Vertical	Pass
3	554.639	21.78	-6.25	46.0	-24.22	Peak	85.00	100	Vertical	Pass

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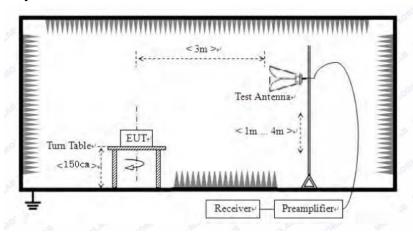


7. Band Edge

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.

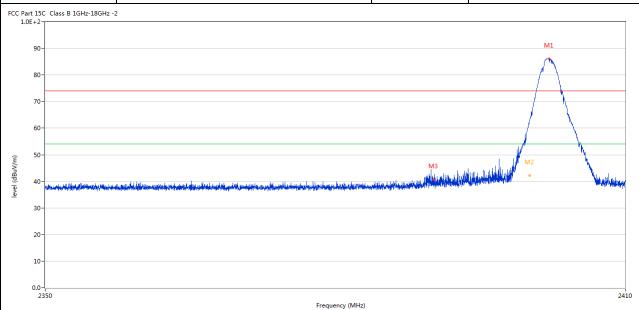
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7.6 Test Result

Product:	Bluetooth earphone	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
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)		(0)	(cm)		
1	2402.022	86.16	-3.57	74.0	12.16	Peak	186.00	100	Horizontal	N/A
2	2399.983	62.60	-3.57	74.0	-11.40	Peak	186.00	100	Horizontal	Pass
2**	2399.983	42.25	-3.57	54.0	-11.75	AV	186.00	100	Horizontal	Pass
3	2390.010	40.67	-3.53	74.0	-33.33	Peak	176.00	100	Horizontal	Pass

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	Product:		Bluetooth	earphone]	Detector		Ve	rtical	
	Mode	K	Leeping Tra	ansmitting	Te	st Voltage		DC	23.7V	
Te	mperature		24 deg	g. C,	I	Humidity		56%	% RH	
Te	est Result:		Pas	SS						
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8	0-							1	•	
7	0-									
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4 3 2 1 0.	0-0-0-0-0-2350			Fr	equency (MHz)		Table (o) 173.00	Height (cm)	ANT Vertical	1
4 3 2 1 0.	o- 0- 0- 0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Fr Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(o)	(cm)		Verdid
4 3 2	0-2350 Frequency (MHz) 2402.112	Results (dBuV/m) 80.12	Factor (dB) -3.57	Limit (dBuV/m) 74.0	over Limit (dB)	Detector Peak	(o) 173.00	(cm)	Vertical	Verdid

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Product:	Bluetooth earphone	Polarity	Horizontal
Mode	Mode Keeping Transmitting		DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
Part 15C Class B 1GHz-18GHz -2 1.0E+2-			
90-			
80-			
70-			

1.0E+2-		
90-		
80-		
70-		
60-		
50-	de de constitute de la	
40-		Market the second of the second secon
30-		
20-		
10-		
0.0 - 24	470 248	3.5 2500 Frequency (MHz)

No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2480.107	86.92	-3.57	74.0	12.92	Peak	193.00	100	Horizontal	N/A
2	2483.482	53.54	-3.57	74.0	-20.46	Peak	197.00	100	Horizontal	Pass
2**	2483.482	46.10	-3.57	54.0	-7.90	AV	197.00	100	Horizontal	Pass

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]	Product:	I	Bluetooth e	earphone	-	Detector		Ve	rtical	
	Mode Keeping Transmitting		nsmitting	Te	est Voltage		DC3.7V			
Te	Temperature 24 deg. C,		g. C,	I	Humidity		56% RH			
Te	est Result:		Pass	S						
CC Part 1 1.0E+	L5C Class B 1GHz-18GHz -:	2								
9	0-									
8	0-		<u> </u>							
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(m/ngp) Java 3:	o-tulinda historia de pola de la	aturu di serinda kirildi di sebabah di sebab		248	Their man cappages are en cons	hade a killed a confederation of	eterepiskiping heiklighte	aglidas di la fasi di la fasi	aydership dayligh and	2500
(m/ngp) Java 3:		Results	Factor	248	The description and the	Detector	Table	Height	ANT	
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(w//ngg / pane) 3. 2. 1.	o	Results	Factor	Limit	3.5 Frequency (MHz) Over Limit	a land and as a staff day	Table	Height	արդագրագրու օգրովու աջակի	2500 Verdic

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

- 2. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 3. The two modulation modes of GFSK and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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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 with gain 0.5dBi Max. It fulfills the requirement of this section.

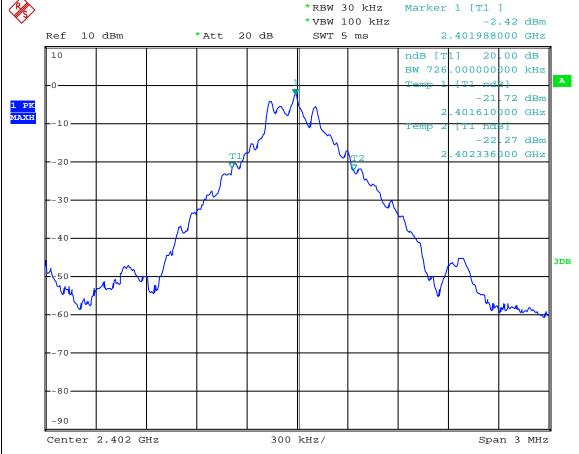
Test Result: Pass

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9.0 20dB Bandwidth Me	easurement		
GFSK Modulation			
Product:	Bluetooth earphone	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	726.00kHz		
200B Bulla Wildeli	, 20.00KH2		



Date: 8.SEP.2021 15:02:29

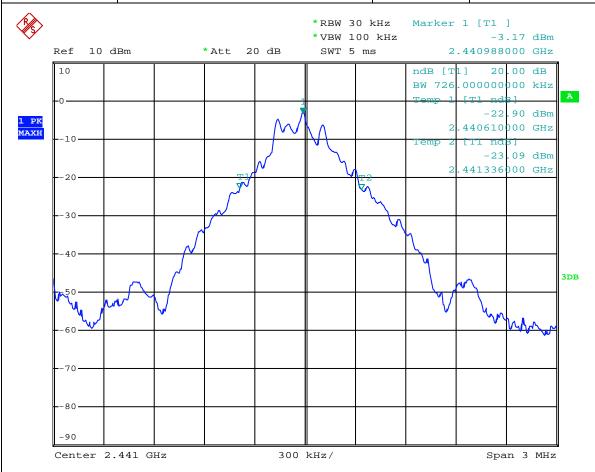
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GFSK Modula	tion		
Product:	Bluetooth earphone	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	726.00kHz		



Date: 8.SEP.2021 15:01:51

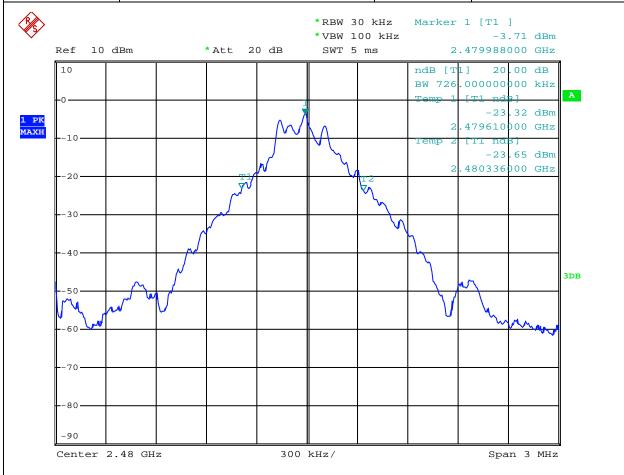
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GFSK Modulation						
Product:	Bluetooth earphone	Test Mode:	Keep transmitting			
Mode	Keeping Transmitting	Test Voltage	DC3.7V			
Temperature	24 deg. C,	Humidity	56% RH			
Test Result:	Pass	Detector	PK			
20dB Bandwidth	726.00kHz					



Date: 8.SEP.2021 15:01:01

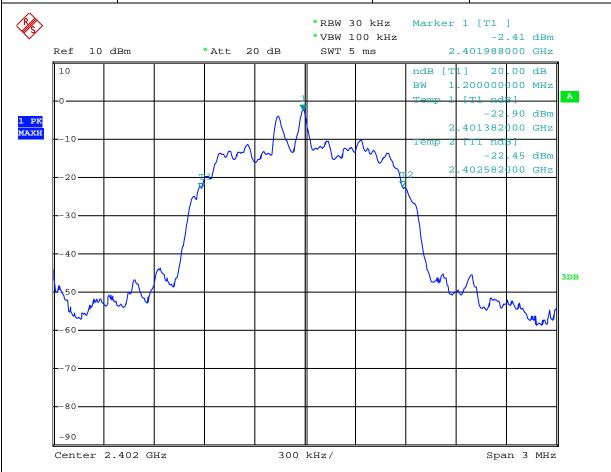
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Pi/4D-QPSK Modulation						
Product:	Bluetooth earphone	Test Mode:	Keep transmitting			
Mode	Keeping Transmitting	Test Voltage	DC3.7V			
Temperature	24 deg. C,	Humidity	56% RH			
Test Result:	Pass	Detector	PK			
20dB Bandwidth	1.200MHz					



Date: 8.SEP.2021 14:58:40

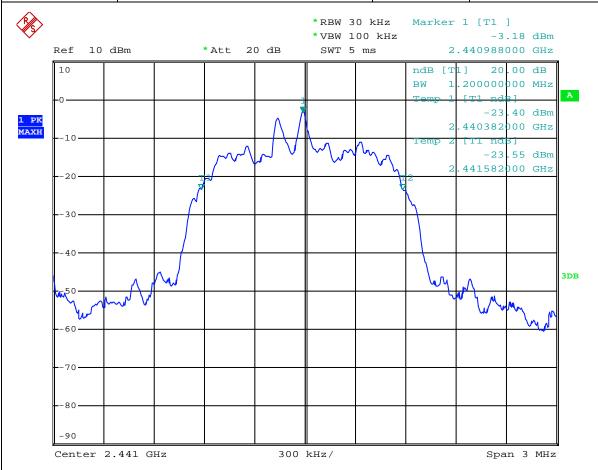
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Pi/4D-QPSK Modulation						
Product:	Bluetooth earphone	Test Mode:	Keep transmitting			
Mode	Keeping Transmitting	Test Voltage	DC3.7V			
Temperature	24 deg. C,	Humidity	56% RH			
Test Result:	Pass	Detector	PK			
20dB Bandwidth	1.200MHz					



Date: 8.SEP.2021 14:59:52

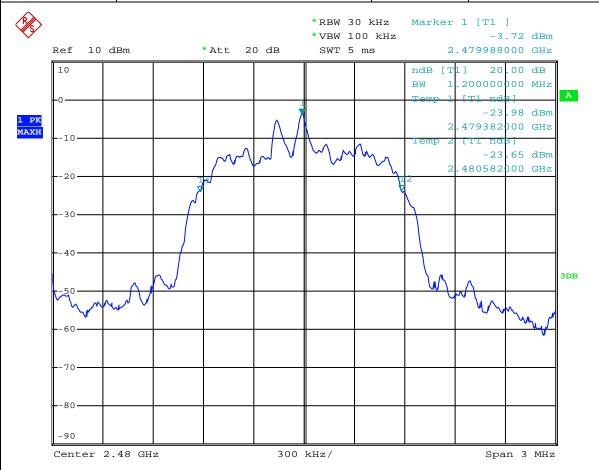
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Pi/4D-QPSK Modulation						
Product:	Bluetooth earphone	Test Mode:	Keep transmitting			
Mode	Keeping Transmitting	Test Voltage	DC3.7V			
Temperature	24 deg. C,	Humidity	56% RH			
Test Result:	Pass	Detector	PK			
20dB Bandwidth	1.200MHz					



Date: 8.SEP.2021 15:00:28

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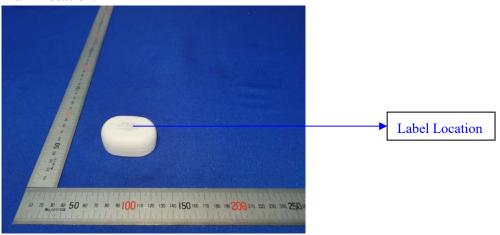


10.0 FCC ID Label

FCC ID: 2AHN6-AUBE221

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:



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11.0 Photo of testing

11.1 Conducted test View--



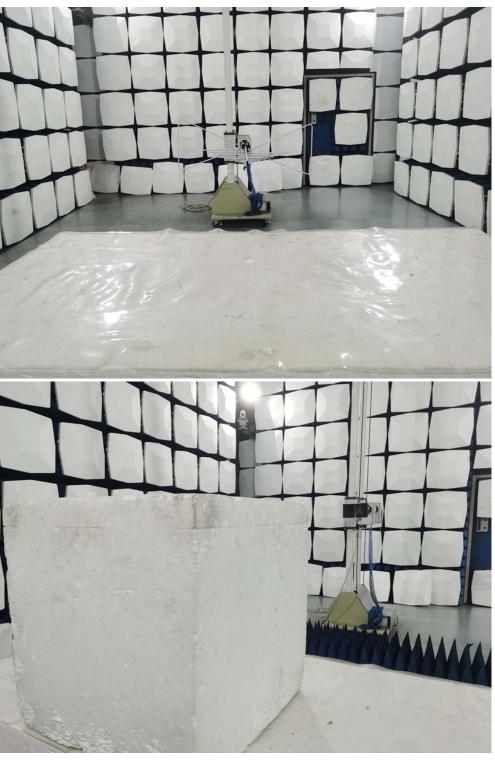
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Radiated emission test view



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

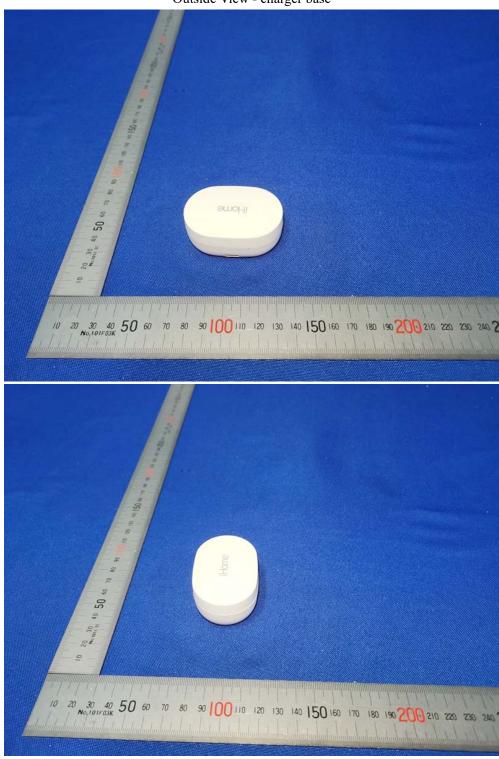
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11.2 Photographs – EUT

Outside View - charger base



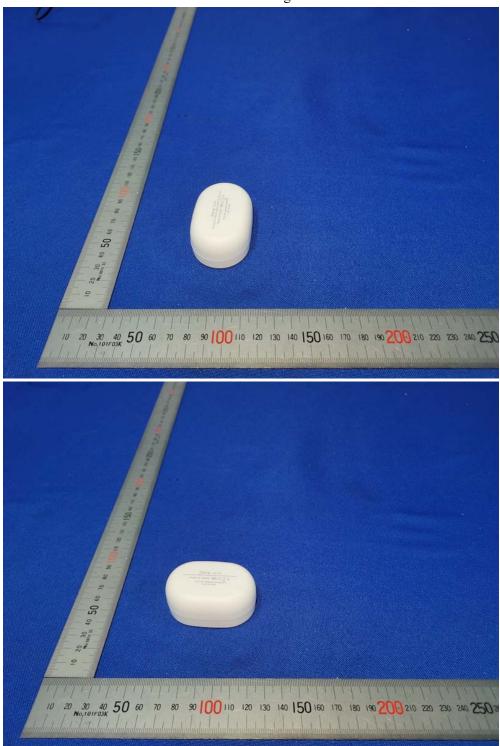
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Outside View - charger base



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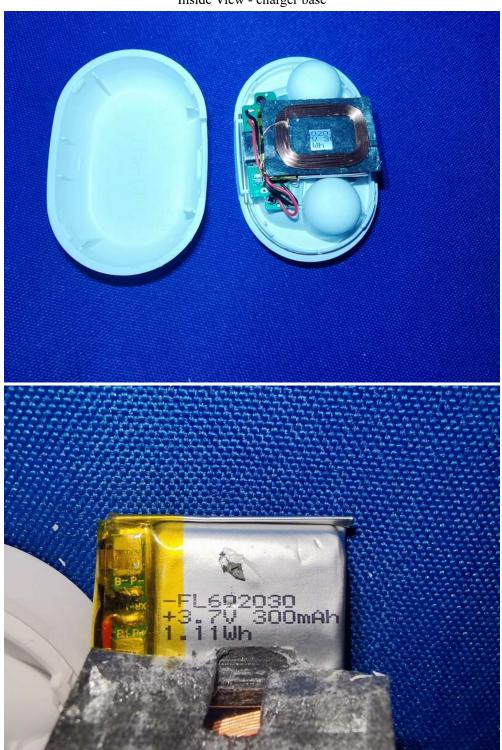
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Inside View - charger base



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adopt any other remedies which may be appropriate.

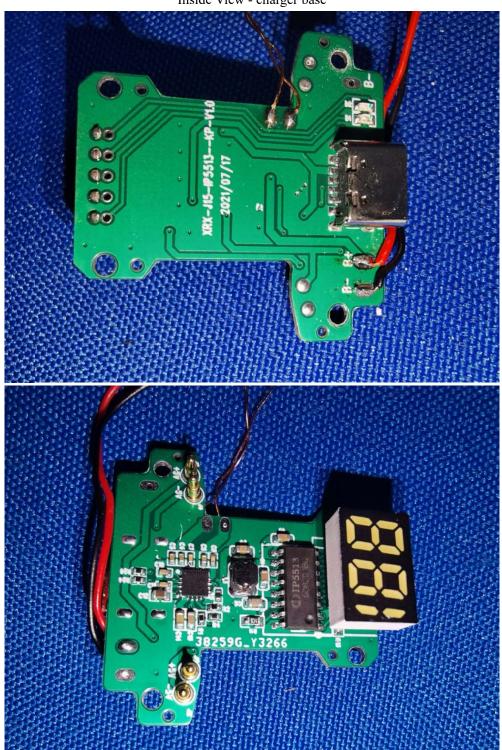
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Inside View - charger base



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adopt any other remedies which may be appropriate.

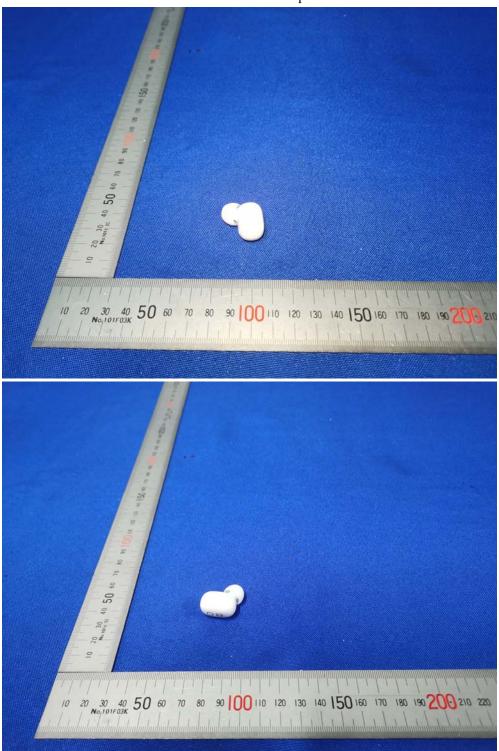
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Outside View - Left earphone



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Outside View - Left earphone



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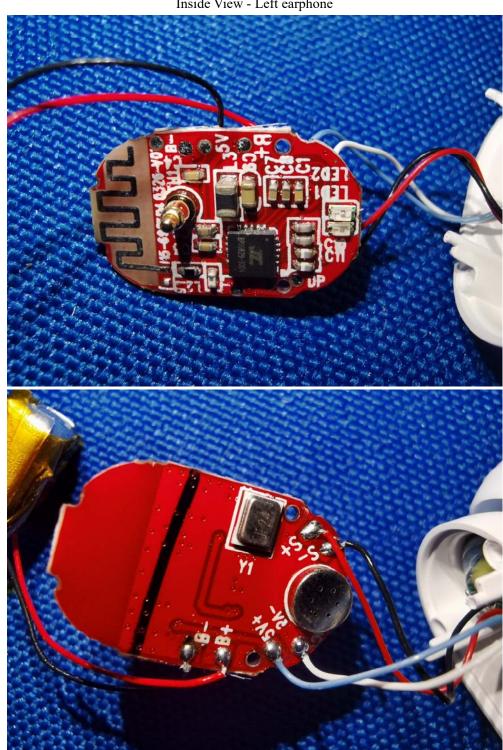
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Inside View - Left earphone



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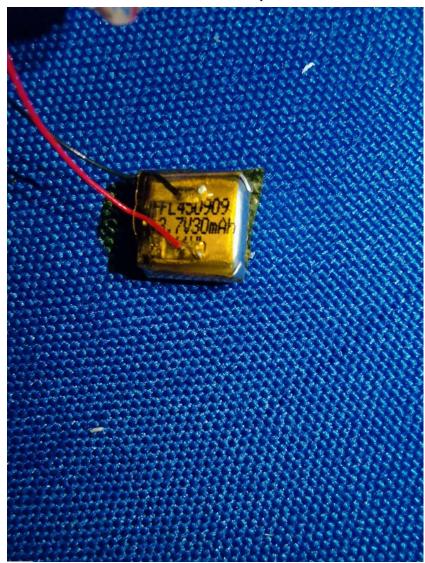
adopt any other remedies which may be appropriate.

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Date: 2021-09-13



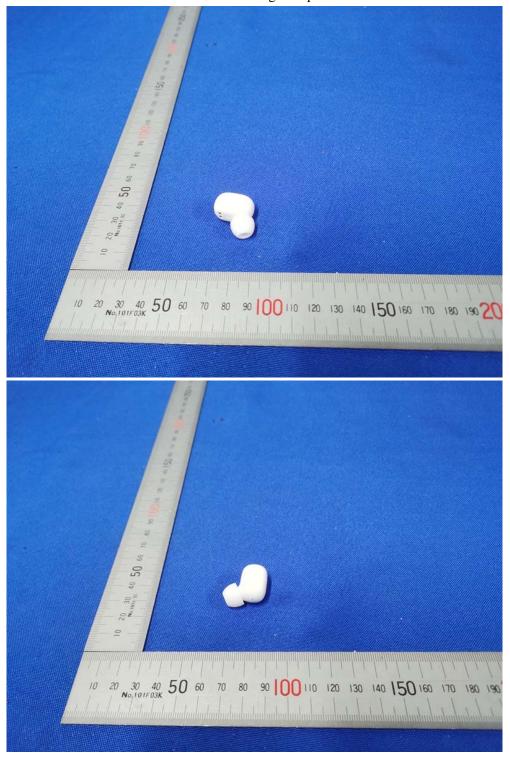
Inside View - Left earphone



Date: 2021-09-13



Outside View - Right earphone



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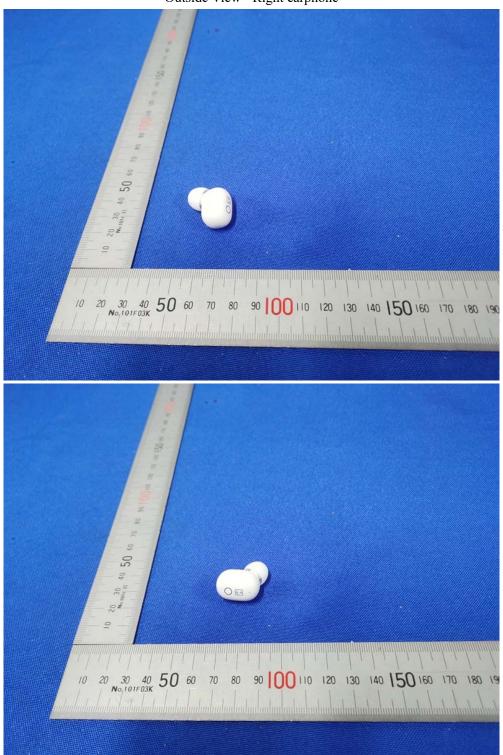
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Outside View - Right earphone



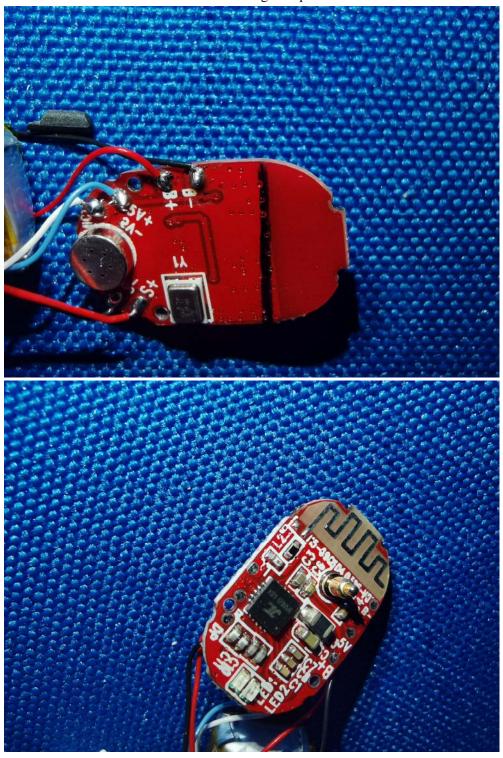
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Inside View - Right earphone



-- End of the report--

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