



Report No.: File reference No.:	TW2109010E 2021-09-10
Applicant:	iLuv Creative Technology
Product:	Fit Active Pro
Model No.:	TS100, TS100BK, TS100PBL, TS100PN, TS100PU, TS100MT, TS100WH, TS100SBL, TS100RD, TS100YL, FITACTPRO, FITACTPROBK, FITACTPROPBL, FITACTPROPN, FITACTPROPU, FITACTPROMT, FITACTPROWH, FITACTPROSBL, FITACTPRORD, FITACTPROYL
Trademark:	iLuv
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	
Jack Chung	
Jack Chung Manager	
Dated:	September 10, 2021
	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



## **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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#### 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<br/>Village, Nanshan District, Shenzhen, ChinaTelephone:(755) 83448688Fax:(755) 83442996Site on File Vith the Federal Communications Commission – United SatesRegistration Vithers:744189For 3m Anevire:Chamber

#### 1.2 Applicant Details

Applicant:iLuv Creative TechnologyAddress:2 Harbor Park Drive, Port Washington, NY11050, USATelephone:--Fax:--

1.3 Description of EUT

Product:	Fit Active Pro
Manufacturer:	Shenzhen Swetz Sound Technology Co., Limited
Address:	No.18 Xiantian Road, Longgang Central, Shenzhen, China
Trademark:	iLuv
Additional Trademark:	N/A
Model Number:	TS100
Additional Model Name	TS100BK, TS100PBL, TS100PN, TS100PU, TS100MT, TS100WH, TS100SBL,
	TS100RD, TS100YL, FITACTPRO, FITACTPROBK, FITACTPROPBL,
	FITACTPROPN, FITACTPROPU, FITACTPROMT, FITACTPROWH,
	FITACTPROSBL, FITACTPRORD, FITACTPROYL
Hardware Version:	V01
Software Version:	V1.1.0
Serial No.:	2AA000001 V1.0
Rating:	DC5V input or Built-in DC3.7V, 50mAh 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 (Bluetooth)
<b>Operation Frequency:</b>	2402-2480MHz
Channel Separate:	1MHz
Channel Number:	79

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Antenna Designation

FPC antenna with gain 0.60dBi maximum for both left earphone and right earphone (Get from the antenna specification provided by the Manufacturer)

- 1.4 Submitted Sample: 1 pc
- 1.5 Test Duration 2021-09-01 to 2021-09-10
- 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

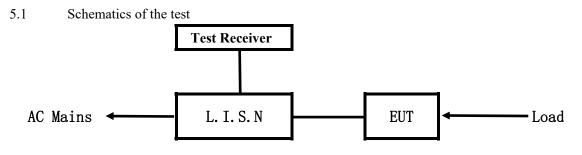
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### 5. Power Line Conducted Emission Test



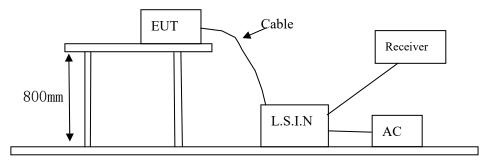
EUT: Equipment Under Test

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 500 hm/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. 1	EUT
------	-----

Device	Manufacturer	Model	FCC ID
		TS100, TS100BK, TS100PBL, TS100PN, TS100PU,	
	Shenzhen	TS100MT, TS100WH, TS100SBL, TS100RD, TS100YL,	
Fit Active Pro	Swetz Sound	FITACTPRO, FITACTPROBK, FITACTPROPBL,	ATL-TS100
FIL ACTIVE PIO	Technology	FITACTPROPN, FITACTPROPU, FITACTPROMT,	AIL-15100
	Co., Limited	FITACTPROWH, FITACTPROSBL, FITACTPRORD,	
		FITACTPROYL	

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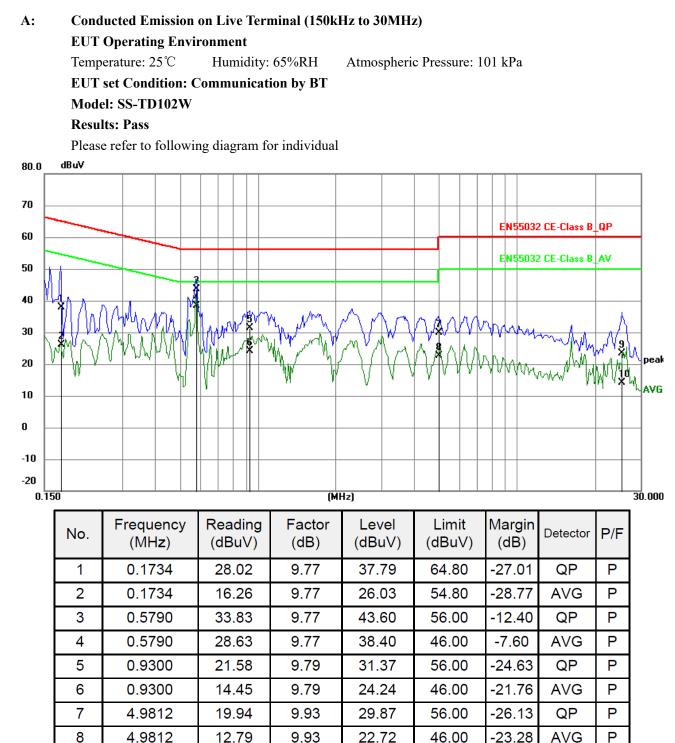


Ρ

Ρ

QP

AVG



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12.43

3.08

25.4444

25.4444

9

10

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23.45

14.10

60.00

50.00

-36.55

-35.90

11.02

11.02



Ρ

Ρ

Ρ

Ρ

Ρ

Ρ

QP

AVG

QP

AVG

QP

AVG

-14.37

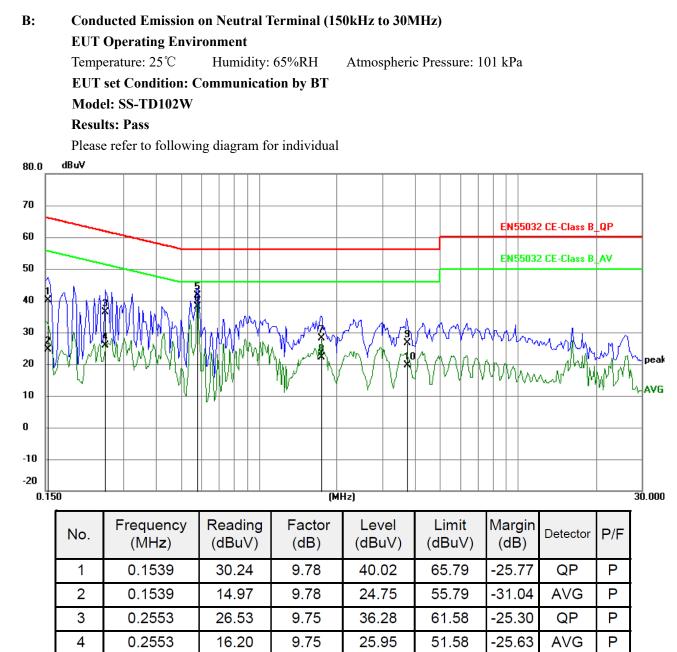
-7.99

-27.95

-23.86

-29.42

-26.28



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31.86

28.24

18.25

12.34

16.71

9.85

9.77

9.77

9.80

9.80

9.87

9.87

41.63

38.01

28.05

22.14

26.58

19.72

56.00

46.00

56.00

46.00

56.00

46.00

5

6

7

8

9

10

0.5790

0.5790

1.7373

1.7373

3.7254

3.7254

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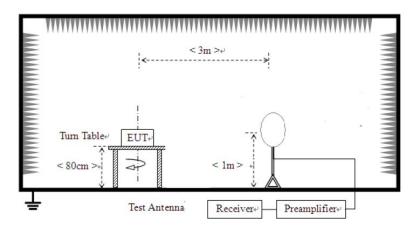


#### 6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- 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

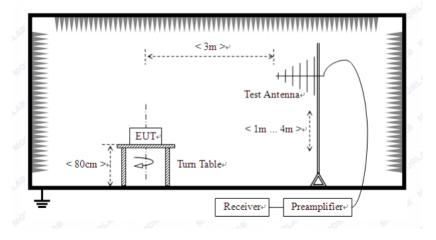


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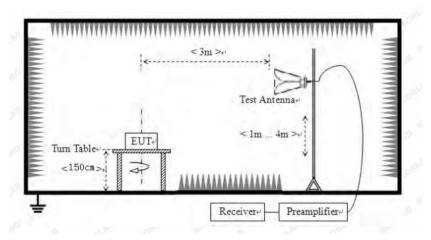
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For radiated emissions from 30MHz to1GHz



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	ntal (3m)	Field St	trength of Harmo	onics (3m)
(MHz)	mV/m	dBu	V/m	uV/m	dBu	V/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 $\mu$ V/m)
30-	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: 1. RF Voltage  $(dBuV) = 20 \log RF$  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 resultA Fundamental & Harmonics Radiated Emission Data

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

#### Horizontal

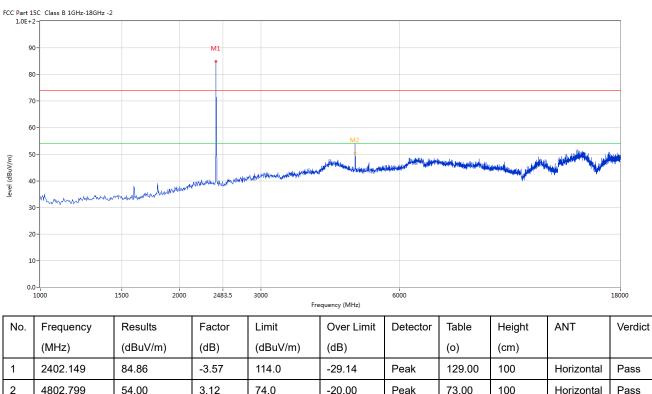
2\*\*

4802.799

50.47

3.12

54.0



-3.53

AV

73.00

100

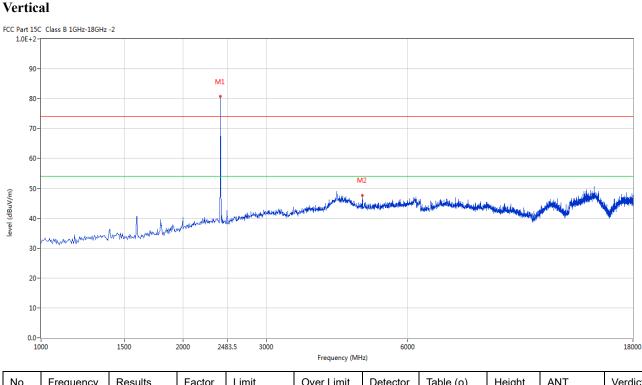
Horizontal

Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	80.75	-3.57	114.0	-33.25	Peak	176.00	100	Vertical	Pass
2	4802.799	47.67	3.12	74.0	-26.33	Peak	162.00	100	Vertical	Pass

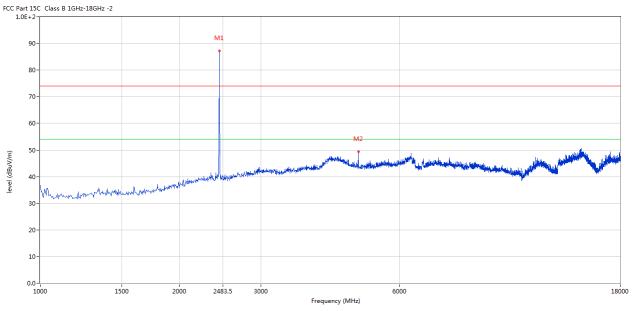
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#### Please refer to the following test plots for details: Middle Channel-2441MHz

#### Horizontal

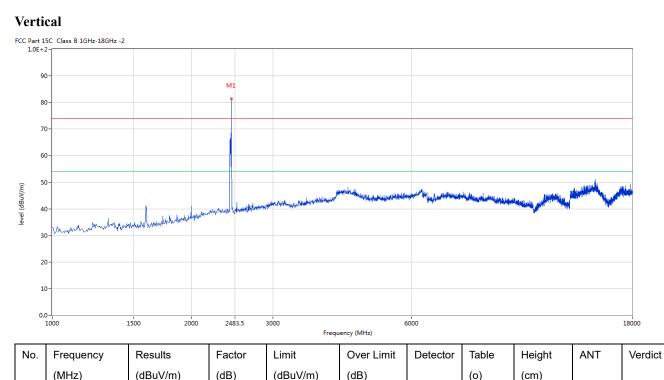


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	87.15	-3.57	114.0	-26.85	Peak	185.00	100	Horizontal	Pass
2	4883.529	49.30	3.20	74.0	-24.70	Peak	130.00	100	Horizontal	Pass

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185.00

100

Vertical

Pass

Peak

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81.36

-3.57

114.0

-32.64

2440.390

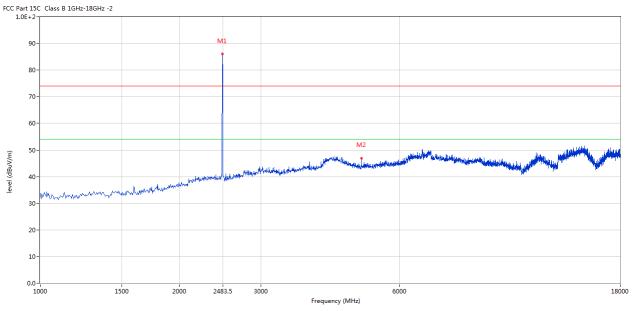
1

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

#### Horizontal

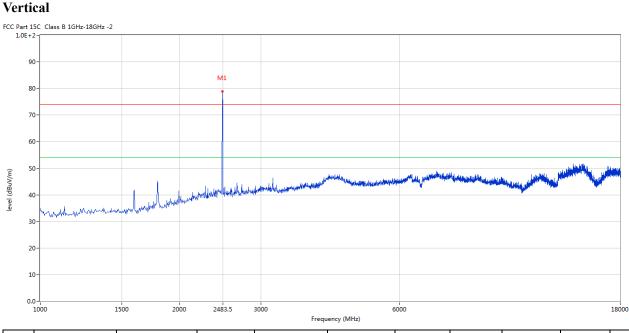


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.630	85.99	-3.57	114.0	-28.01	Peak	201.00	100	Horizontal	Pass
2	4960.010	46.90	3.36	74.0	-27.10	Peak	255.00	100	Horizontal	Pass

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	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
ſ	1	2478.930	79.00	-3.57	114.0	-35.00	Peak	176.00	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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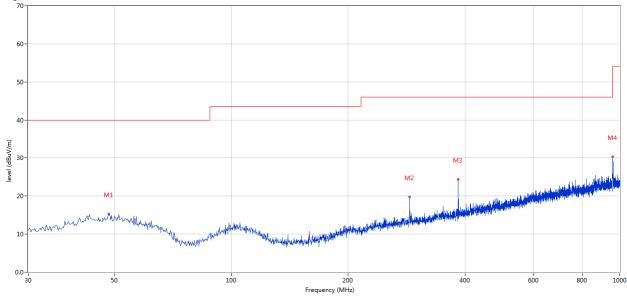
## B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

#### Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	48.425	15.34	-11.22	40.0	-24.66	Peak	31.00	100	Horizontal	Pass
2	287.956	19.78	-11.27	46.0	-26.22	Peak	192.00	100	Horizontal	Pass
3	383.962	24.39	-9.16	46.0	-21.61	Peak	151.00	100	Horizontal	Pass
4	960.240	30.34	-1.63	54.0	-23.66	Peak	175.00	100	Horizontal	Pass

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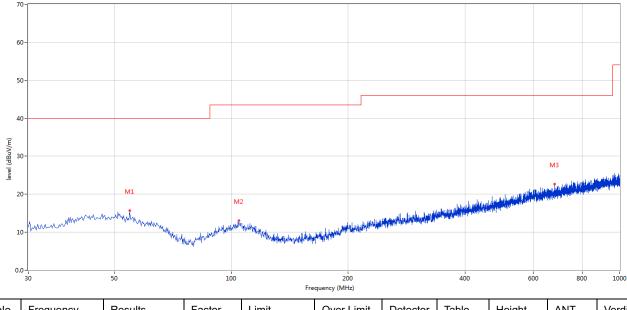
#### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

#### Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15C Class B 30MHz-1GHz



N	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		54.729	15.73	-11.72	40.0	-24.27	Peak	72.00	100	Vertical	Pass
2		104.671	13.01	-13.25	43.5	-30.49	Peak	6.00	100	Vertical	Pass
3		680.707	22.62	-4.45	46.0	-23.38	Peak	185.00	100	Vertical	Pass

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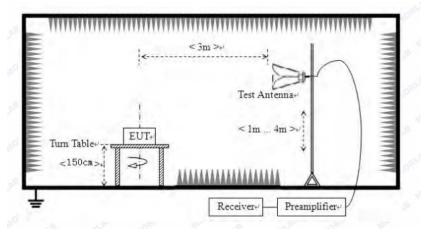


#### 7. Band Edge

#### 7.1 Test Method and test Procedure:

- 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.

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#### 7.6 Test Result

	Product:	Fit Active Pro   Keeping Transmitting				Polarity		Н	orizontal	
	Mode	K	Leeping Tra	ansmitting	7	Test Voltag	ge	]	DC3.7V	
Te	mperature		24 deg	g. C,		Humidity	-	4	56% RH	
Te	est Result:		Pas	s						
Part 1 1.0E+	15C Class B 1GHz-18GHz 2-	-2								
g	10-								М1	
									$\wedge$	
8								/		
7	0-									
e	i0 -							/_		
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4 3 2 1	0				Frequency (MHz)			1	ANT	1
4 3 2 1	0- 0- 0- 2350 Frequency	Results	Factor	Limit	Frequency (MHz)	Detector	Table	Height	ANT	1
4 3 2 1 0 0	0	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdic
4 3 1 0 No.	0	Results (dBuV/m) 61.43	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) -12.57	Detector Peak	Table (o) 129.00	Height (cm) 100	Horizontal	Verdic Pass
4 3 2 1 0 0	0	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdic

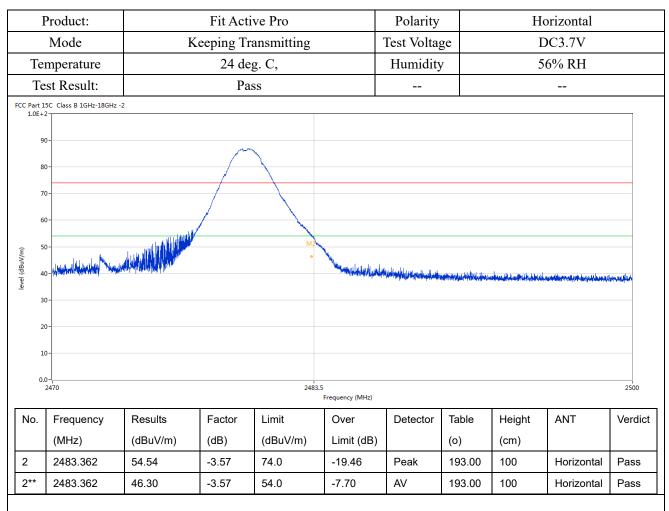
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	Product:		Fit Activ	ve Pro	1	Detector		Ve	rtical	
	Mode	K	leeping Tra	nsmitting	Te	st Voltage		DC	C3.7V	
Te	emperature		24 deg	. C,	H	Iumidity		56%	% RH	
Т	est Result:		Pas	s						
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
1.004	72									
g	90 -							M	1	
8	80-							^		
7	70-									
e	50 -									
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(IIII/Anno) 1944 3 2	10- <b>41-41-41-41-41-41-41-41-41</b> - 30-	Mahihan ana kana aka aka aka aka aka aka aka	Ushala Loodhil Loodhalan U	hander fan te fan de	ilyddaeddaeddaegoddilad			• •		udududude
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(w.//map) 4 3 2 1	10 - <mark>11 - 11 - 11 - 11 - 11 - 11 - 11 -</mark>	Results	Factor			Detector	Table	Height	ANT	<b></b>
(III/ADDD) 4 3 2 1 0	40			Fri	equency (MHz)		Table (o)	Height (cm)	ANT	<b></b>
(W/ANN 1000) 4 2 2 1 0	10	Results	Factor	Fr	equency (MHz)			-	ANT	<b></b>
Mu/Anno 1999 2 1 0 No.	40	Results (dBuV/m)	Factor (dB)	Fri Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(o)	(cm)		Verdic

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	Product:		Fit Activ	ve Pro	I	Detector		Ve	rtical	
	Mode	K	eeping Tra	insmitting	Te	st Voltage		DC	23.7V	
Te	emperature		24 deg	g. C,	H	Iumidity		56%	% RH	
Te	est Result:		Pas	s						
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
9	90-									
8	80-		$\sim$	<hr/>						
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6	50 -		_ /							
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(@//ngp) 4 3 2 1	50 - 10 - 10 - 20 - 10 - 2470 Frequency	Results	Factor	Limit	requency (MHz)	Detector	Table	Height	ANT	
(W//\ngp) 4 3 2 1 0.	50 - 10 - H. UMUHAUNA JAN 1991 1991 1991 1991 1991 1991 1991 19		Factor (dB) -3.57	F	requency (MHz)				1	2500

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 an FPC antenna with gain 0.6dBi maximum for both left earphone and right earphone. It fulfills the requirement of this section.

Test Result: Pass

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Keeping Transmitting 24 deg. C, Pass 726.00kHz		Test Vol Humid Detect	ity		0C3.7V 6% RH	
24 deg. C, Pass		Detect		5(		
			or			
726.00kHz				РК		
*Att 20 dB	* RBW 30 } * VBW 100 SWT 5 ms	kHz 3 ndB	2.4409 [T1]	-3.12 dBm 88000 GHz 20.00 dB	1	
		BW Tem	<u>р 1 [т1 :</u> -	22.66 dBm	A	
T1		Tem	-	22.89 dBm		
		~~~				
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				mart		
	GHz 300	GHz 300 kHz/		2.4406 Temp 2 [TT] 1 2.4413	2.440610 00 GHz Temp 2 [TT nd3] -22.89 dBm 2.441336 00 GHz 	

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Product:	Fit Active Pro		Test Mode:		Keep tra	nsmitting
Mode	Keeping Transmitting	g	Test Voltage	e	DC	3.7V
Temperature	24 deg. C,		Humidity		56%	6 RH
Test Result:	Pass		Detector		Р	ΥK
0dB Bandwidth	726.00kHz				-	
Ref 10 d	IBm *Att 20 dB	* RBW 30 k * VBW 100 SWT 5 ms	kHz	2.4799880	66 dBm	
10			BW 726	5.000000	000 kHz	_
0	M		Temp 1	-23. 2.479610	19 dBm 000 GHz	2
				-23	66 dBm	
20				2.480336	000 GHz	
			M.			
				m	31	DB
60 M				h	may	
70						
80						
-90						
Center 2.	48 GHz 300	kHz/		Spa	n 3 MHz	

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Product:	Fit Active Pro		Test Mode:	Keep t	ransmitting
Mode	Keeping Transmitting	g	Test Voltage	D	C3.7V
Temperature	24 deg. C,		Humidity	50	5% RH
Test Result:	Pass		Detector		РК
0dB Bandwidth	1.200MHz				
Ref 10 d	Bm *Att 20 dB	*RBW 30 k *VBW 100 SWT 5 ms	kHz s 2.	-2.52 dBm 401988000 GHz	1
10		-		] 20.00 dB 200000000 MHz	A
1 PK MAXH 10				-22.94 dBm 401382000 GHz	
-10	V www	how	$\sim$	[T1 nd8] -22.65 dBm 402582000 GHz	
-20				102302500 6112	
40					
<b>₩</b> 50			- W	Д	3DB
horne				man	
60					
70					
80					
-90					
Center 2.	402 GHz 300	kHz/	II	Span 3 MHz	4

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Product:			Fit Activ	e Pro		Te	st Mode:		Keep	transmitting
Mode		Kee	ping Tra	nsmitting	5	Tes	st Voltage		D	C3.7V
Temperatu	re		24 deg	. C,		Н	umidity		5	5% RH
Test Resul	t:		Pass	8		E	Detector			РК
20dB Bandw	ridth		1.200M	1Hz						
Ref	10 dBm		* Att 20	0 dB	* RBW 30 * VBW 10 SWT 5	00 kHz		.440988	] .12 dBm 000 GHz	1
10							BW 1	.200000	000 MHz	
1 PK MAXH10-							Temp 1 2 Temp 2	.440382	.47 dBm 000 GHz	A
20			~~~		M			-23	.38 dBm 000 GHz	
		۳م								
30- 40-										
	<u>,</u>	pw					- W	Д.		3db
60-		/							my	
70-										
-90										
Cent	er 2.441 (	Hz		300	kHz/			Spa	an 3 MHz	

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Product:	Fit Active Pro	)	Test Mode:	Keep transmitti
Mode	Keeping Transmi	tting	Test Voltage	DC3.7V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	РК
20dB Bandwidth	1.200MHz			
Ref 10	dBm * Att 20 dB	* RBW 30 * VBW 100 SWT 5 m	kHz ns 2.4	-3.70 dBm 79994000 GHz
10				00000000 MHz
0			1 cmp 1 c	T1 nd8] A -24.21 dBm 79382000 GHz
	mon	V Mur	MA	-24.40 dBm 80582000 GHz
			<b>H</b> <sup>2</sup>	
40				
				ЗДВ
60				When we
70				
80				
-90				
Center	2.48 GHz 3	300 kHz/		Span 3 MHz

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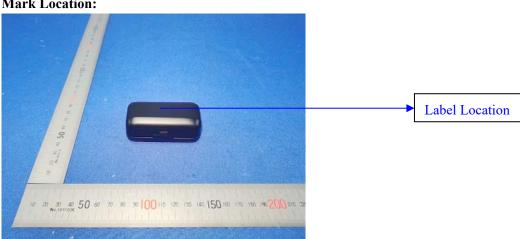


Page 35 of 58

#### 10.0 FCC ID Label

#### FCC ID: ATL-TS100

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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11.2 Photographs – EUT Outside View - charger base



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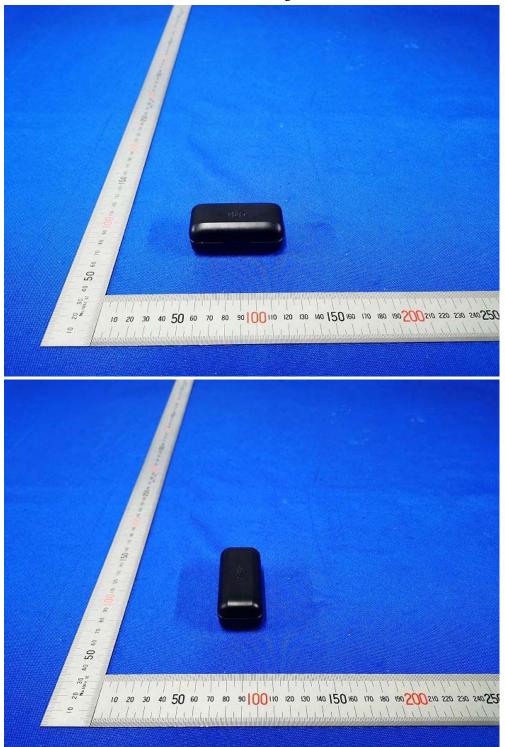
Outside View - charger base



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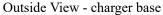
Outside View - charger base

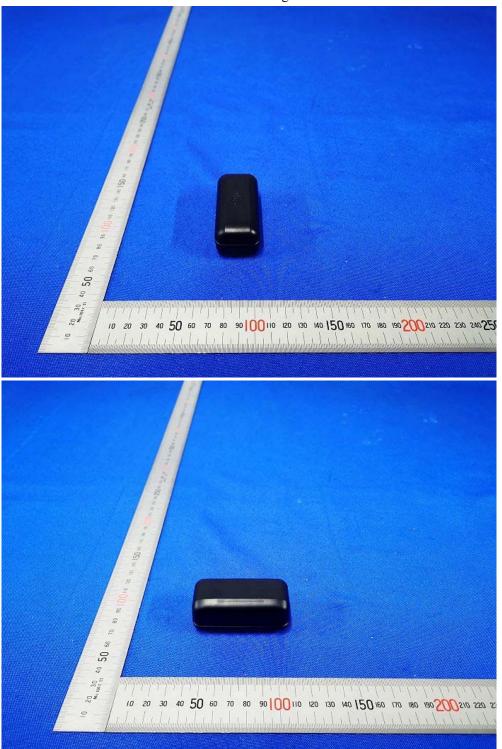


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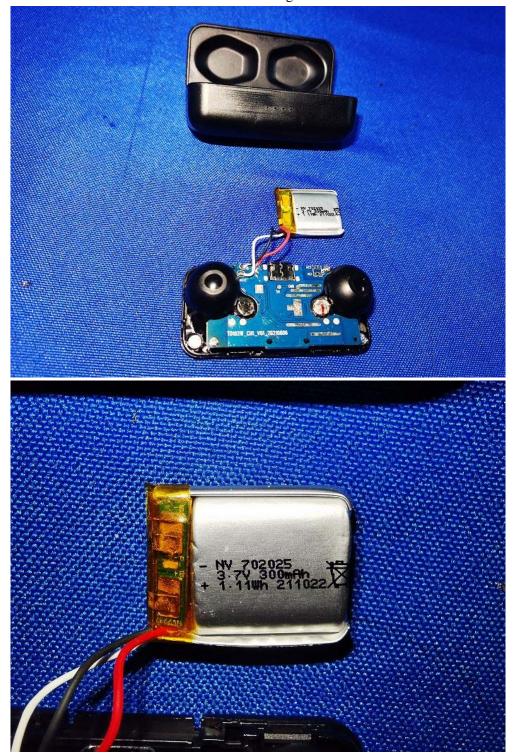
Outside View - charger base



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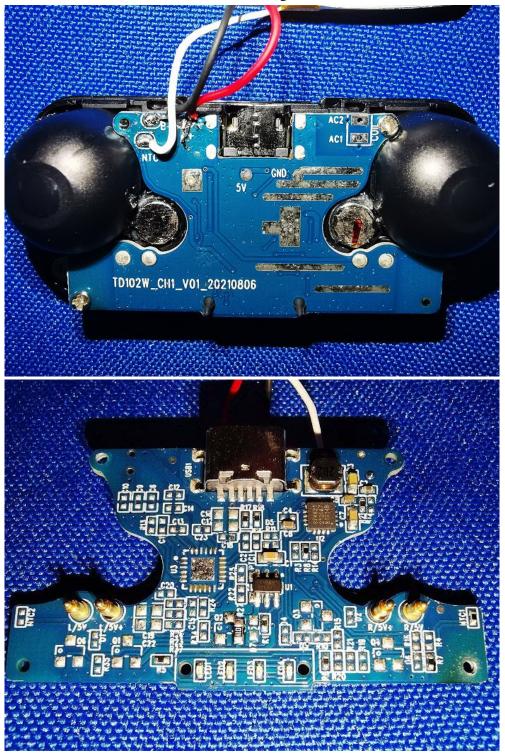
Inside View - charger base



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Inside View - charger base



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Outside View - charger base

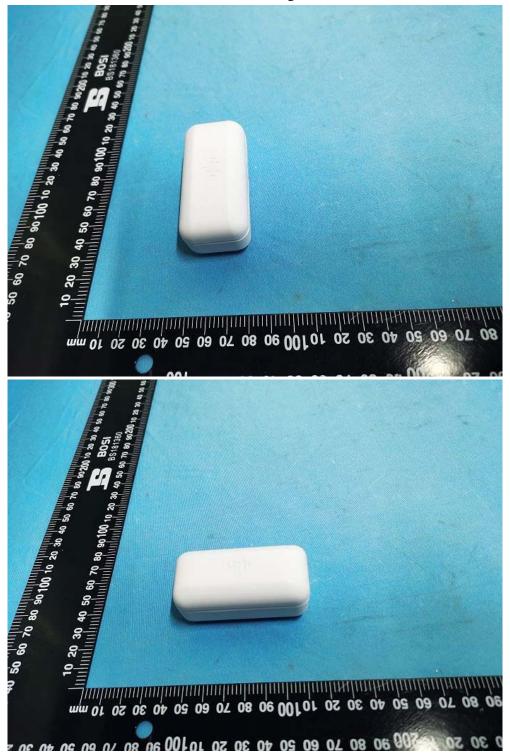


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Outside View - charger base



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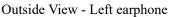
Outside View - charger base

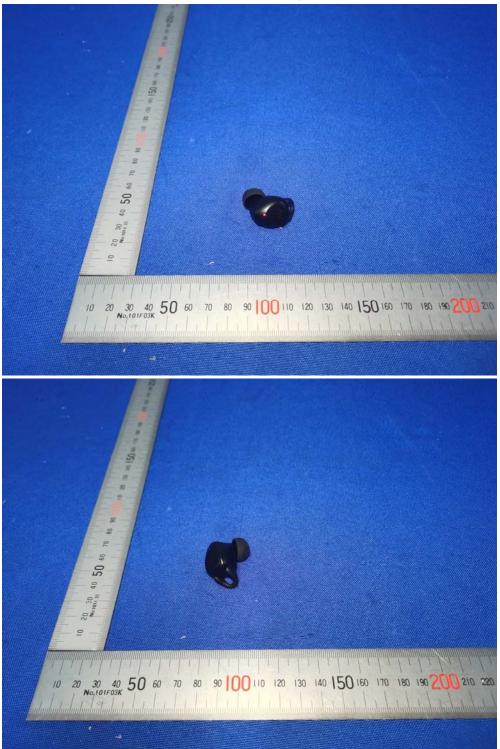


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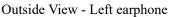


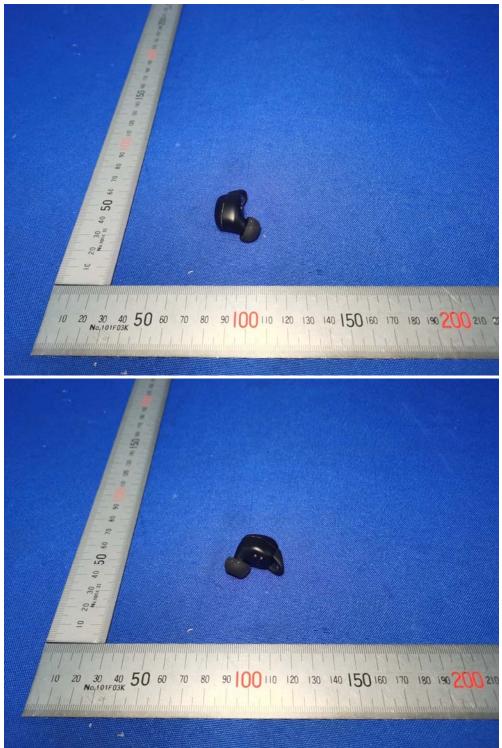


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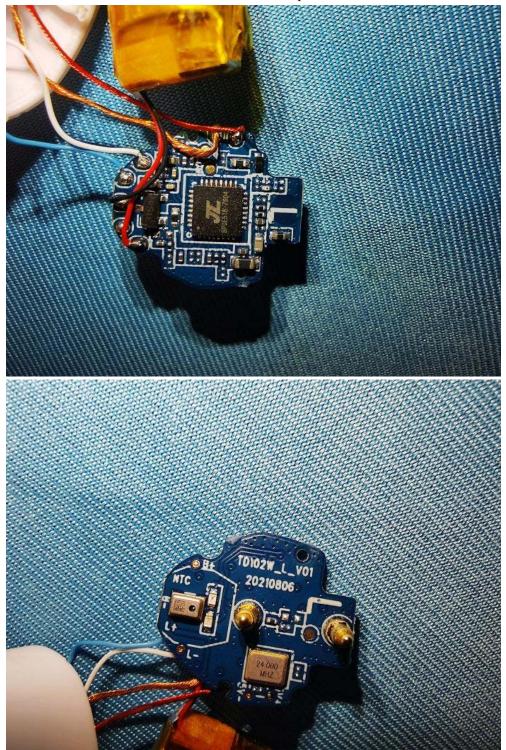


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Inside View - Left earphone

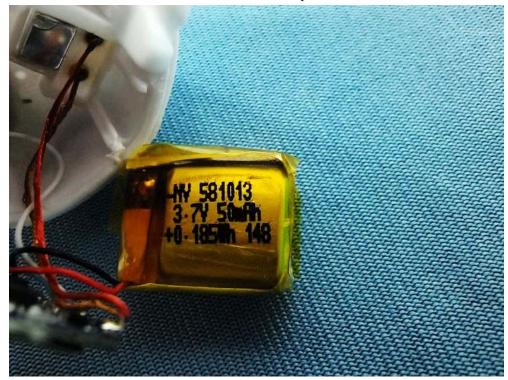


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Page 51 of 58

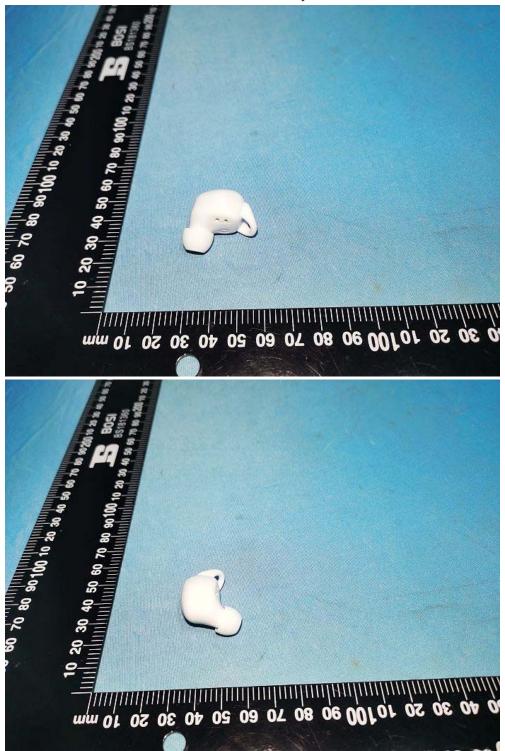
Inside View - Left earphone



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Outside View - Left earphone

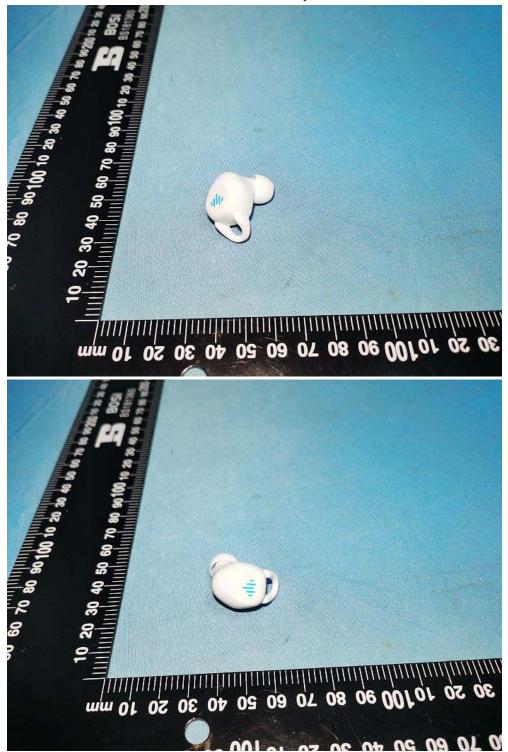


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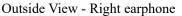
Outside View - Left earphone

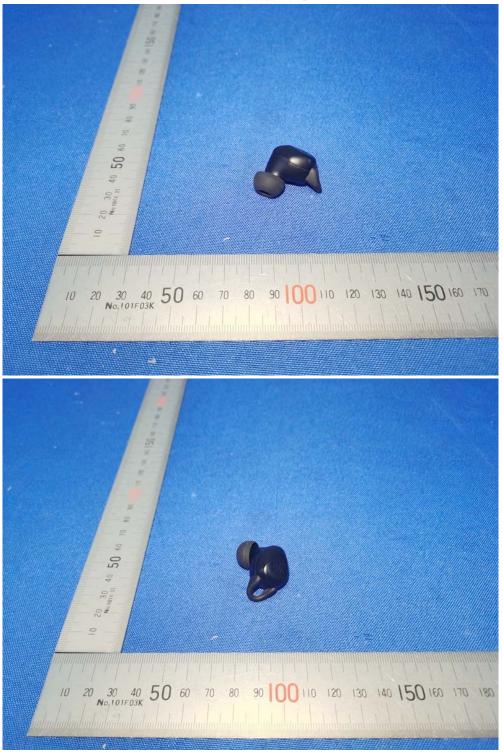


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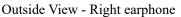


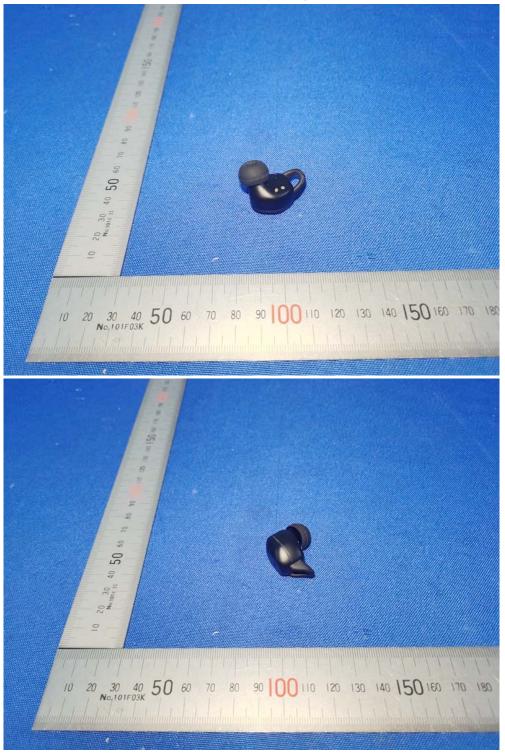


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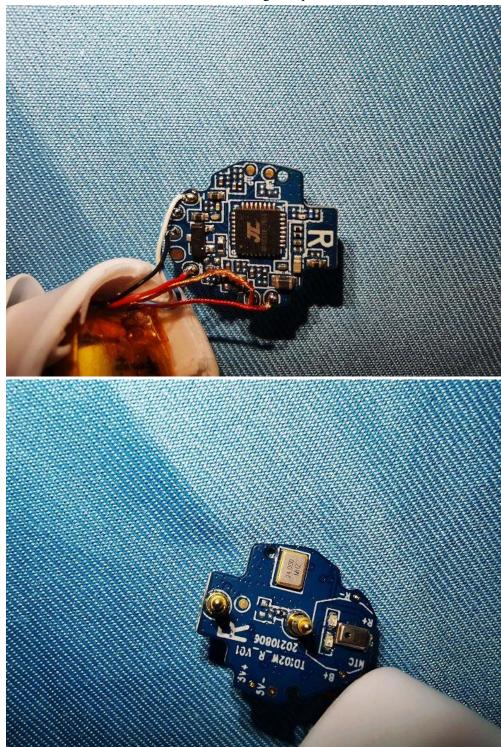


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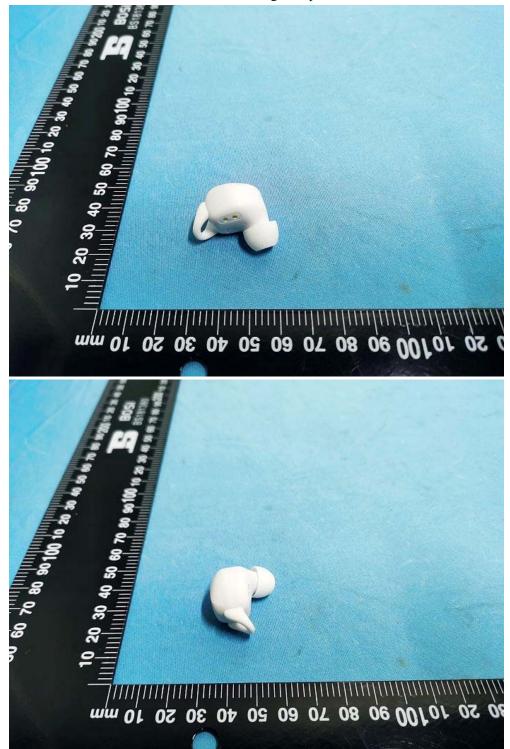
Inside View - Right earphone



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Outside View - Right earphone



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Outside View - Right earphone



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