



Report No.: TW2108209E File reference No.: 2021-08-31

Applicant: Shenzhen Glory Star Technology Industrial Co., Ltd

Product: **ENC Gaming TWS**

Model No.: IAEBTG421B, GT96

Trademark: Glory Star

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, for the evaluation

regulations 15.249 Paragraph

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: August 31, 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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The report refers only to the sample tested and does not apply to the bulk.

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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: Shenzhen Glory Star Technology Industrial Co., Ltd

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

China

Telephone: --Fax: --

1.3 Description of EUT

Product: ENC Gaming TWS

Manufacturer: Shenzhen Glory Star Technology Industrial Co., Ltd

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

Shenzhen, China

Trademark: Glory Star Model Number: IAEBTG421B

Additional Model Name GT96

Family Model Just different design.

Statement:

Test Model: IAEBTG421B

Hardware Version: V1.0 Software Version: V2.2.1

Rating: DC5V input or Built-in DC3.7V, 40mAh Li-ion battery for earphones and DC5V

input or Built-in DC3.7V, 350mAh Li-ion battery for charger base.

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

Channel Separate: 1MHz Channel Number: 79

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Antenna Designation Ceramic antenna with gain 2.0dBi Max (Declared by the applicant)

1.4 Submitted Sample: 1 pc

1.5 Test Duration

2021-08-18 to 2021-08-31

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	2022-07-01
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2022-07-01
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	2022-07-01
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 E	UT has	been	tested	accord	ling to	o 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

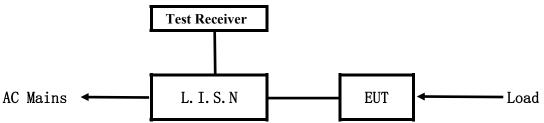
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

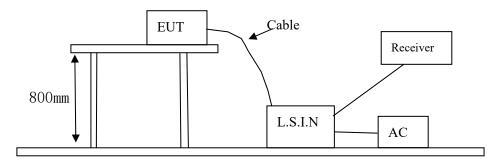


EUT: Equipment Under Test

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
ENC Gaming TWS	Shenzhen Glory Star Technology		2AS7V-IAEBTG421B
	Industrial Co., Ltd	GT96	ZAS/V-IAEDIU4ZID

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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 C63.10-2013

- 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		
$0.15 \sim 0.50$	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:

Pass

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

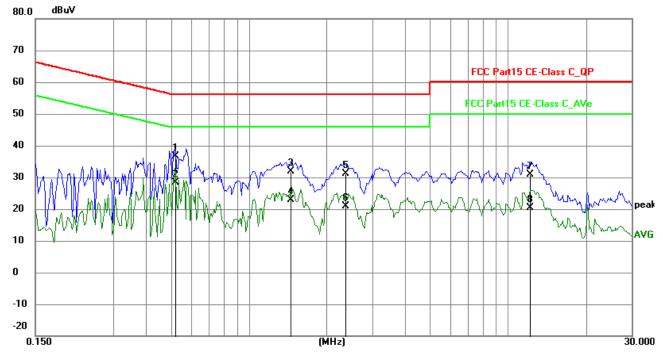
EUT Operating Environment

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

EUT set Condition: Charging and 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	0.5205	26.97	9.77	36.74	56.00	-19.26	QP	Р
2	0.5205	18.57	9.77	28.34	46.00	-17.66	AVG	Р
3	1.4487	22.19	9.79	31.98	56.00	-24.02	QP	Р
4	1.4487	13.03	9.79	22.82	46.00	-23.18	AVG	Р
5	2.3691	21.21	9.82	31.03	56.00	-24.97	QP	Р
6	2.3691	11.11	9.82	20.93	46.00	-25.07	AVG	Р
7	12.1689	20.52	10.26	30.78	60.00	-29.22	QP	Р
8	12.1689	10.03	10.26	20.29	50.00	-29.71	AVG	Р

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

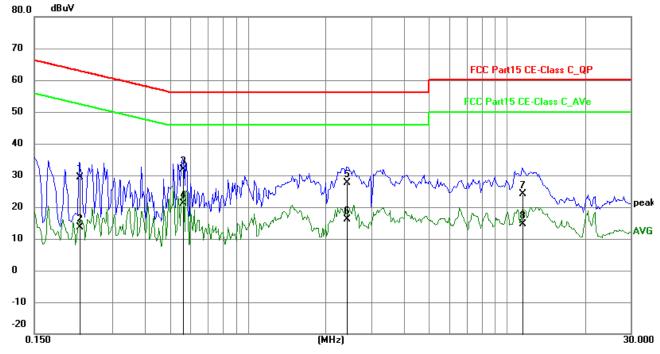
EUT Operating Environment

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

EUT set Condition: Charging and 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	0.2241	19.63	9.75	29.38	62.67	-33.29	QP	Р
2	0.2241	3.87	9.75	13.62	52.67	-39.05	AVG	Р
3	0.5633	22.00	9.77	31.77	56.00	-24.23	QP	Р
4	0.5633	11.24	9.77	21.01	46.00	-24.99	AVG	Р
5	2.4003	17.78	9.82	27.60	56.00	-28.40	QP	Р
6	2.4003	6.26	9.82	16.08	46.00	-29.92	AVG	Р
7	11.4591	14.02	10.22	24.24	60.00	-35.76	QP	Р
8	11.4591	4.44	10.22	14.66	50.00	-35.34	AVG	Р

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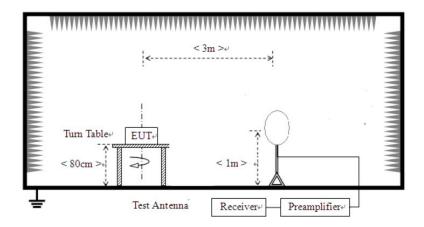


6 Radiated Emission Test

- 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



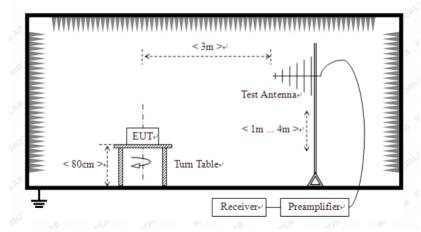
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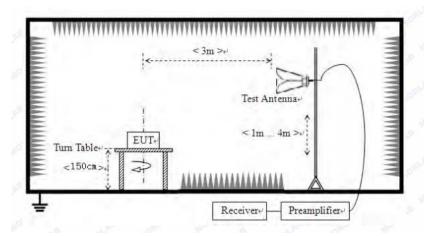
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For radiated emissions from 30MHz to1GHz



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	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.

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.
- 6. Battery full charged during tests.
- 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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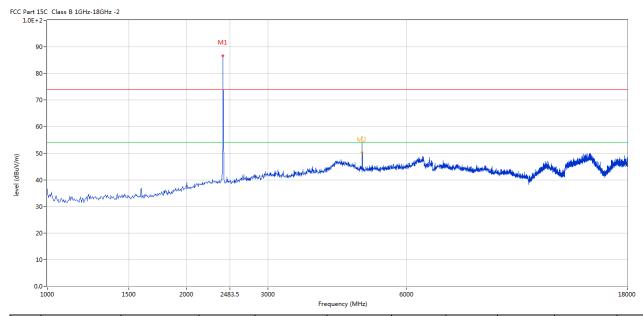


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



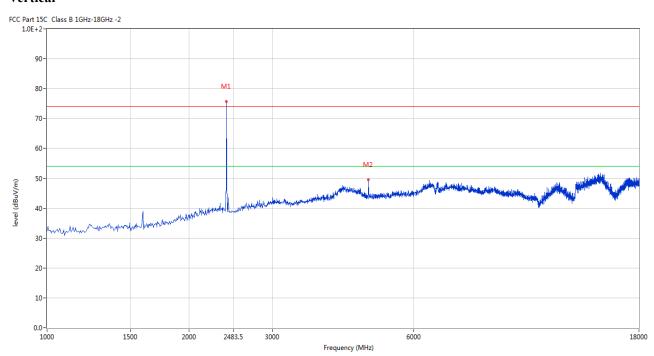
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.149	86.65	-3.57	114.0	-27.35	Peak	199.00	100	Horizontal	Pass
2	4802.799	56.25	3.12	74.0	-17.75	Peak	189.00	100	Horizontal	Pass
2**	4802.799	50.24	3.12	54.0	-3.76	AV	189.00	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	75.75	-3.57	114.0	-38.25	Peak	202.00	100	Vertical	Pass
2	4802.799	49.60	3.12	74.0	-24.40	Peak	146.00	100	Vertical	Pass

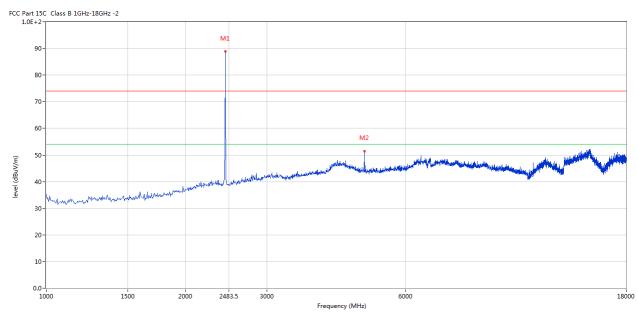
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



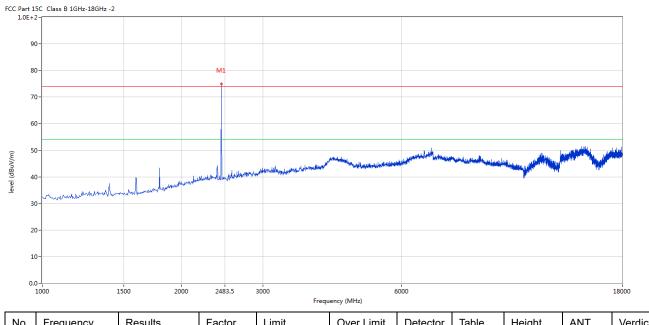
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	88.88	-3.57	114.0	-25.12	Peak	210.00	100	Horizontal	Pass
2	4883.529	51.43	3.20	74.0	-22.57	Peak	186.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2440.390	74.95	-3.57	114.0	-39.05	Peak	351.00	100	Vertical	Pass

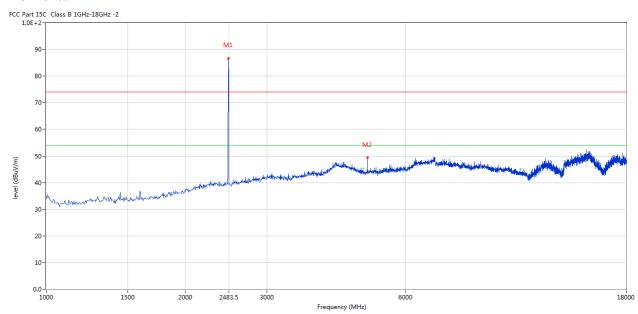
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



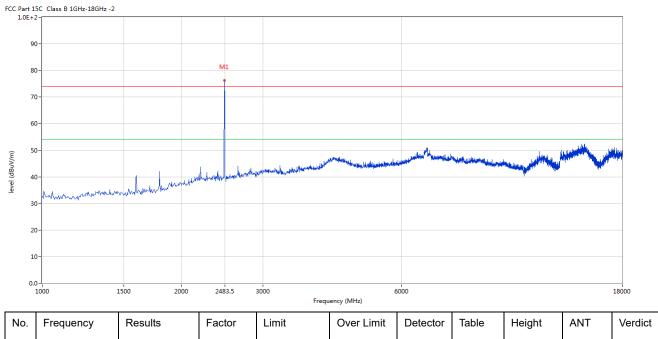
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.630	86.65	-3.57	114.0	-27.35	Peak	213.00	100	Horizontal	Pass
2	4960.010	49.26	3.36	74.0	-24.74	Peak	60.00	100	Horizontal	Pass

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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	76.27	-3.57	114.0	-37.73	Peak	191.00	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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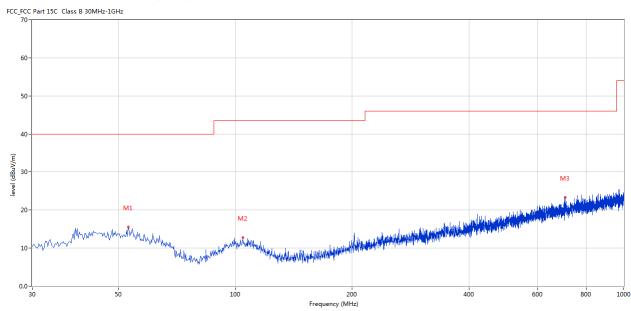


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	53.032	15.53	-11.50	40.0	-24.47	Peak	19.00	100	Horizontal	Pass
2	104.671	12.80	-13.25	43.5	-30.70	Peak	0.00	100	Horizontal	Pass
3	705.921	23.37	-4.11	46.0	-22.63	Peak	31.00	100	Horizontal	Pass

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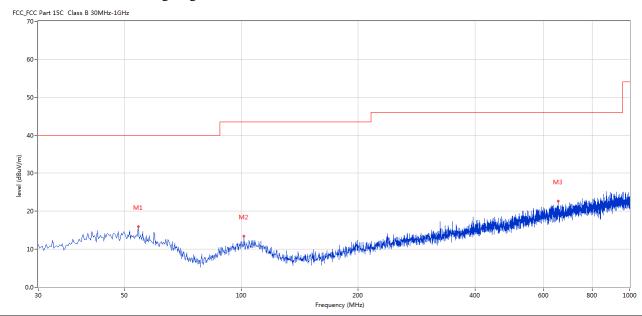


Radiated Emission In Vertical (30MHz----1000MHz)

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	54.244	15.90	-11.60	40.0	-24.10	Peak	352.00	100	Vertical	Pass
2	101.520	13.41	-13.44	43.5	-30.09	Peak	313.00	100	Vertical	Pass
3	653.312	22.63	-4.48	46.0	-23.37	Peak	345.00	100	Vertical	Pass

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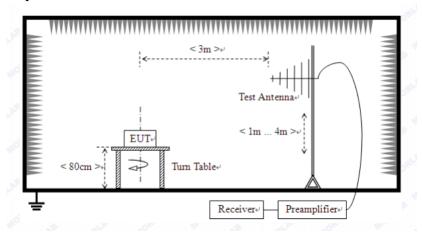


7. Band Edge

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.

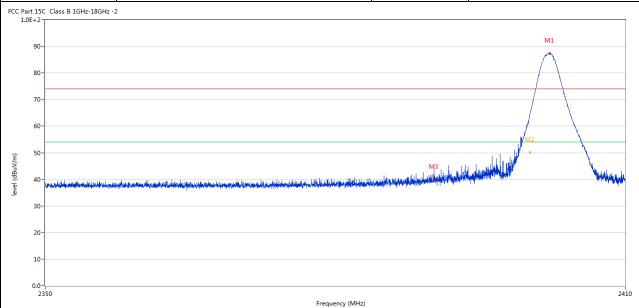
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7.6 Test Result

Product:	ENC Gaming TWS	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)		(o)	(cm)		
2	2400.042	64.60	-3.57	74.0	-9.40	Peak	204.00	100	Horizontal	Pass
2**	2400.042	50.07	-3.57	54.0	-3.93	AV	204.00	100	Horizontal	Pass
3	2390.070	39.73	-3.53	74.0	-34.27	Peak	200.00	100	Horizontal	Pass

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	Product: ENC Gaming TWS					Detector		Vertical		
	Mode Keeping Transmitting Test Voltage DC3.7V				3.7V					
Te	emperature		24 deg	;. C,	H	Humidity		56% RH		
Te	est Result:		Pass	s						
FCC Part 1	15C Class B 1GHz-18GHz	-2								
c	90-									
-	50							М	1	
8	30-									
7	70-								$\overline{}$	
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6	50-							/	1	
_	50-					11.		1/12		
_	50-	rmodor Jakoth wat lineration	والمراجعة والمادية والمجاجعة	ata atau an ini tanani da atau	. Nijibiya da ka ji da da da	M3		y12 •	Muni	ark and phonesis
level (dBuV/m)	50-	n maraban lakka kalik ja merikatan menjengan	i ish wiqinda ashlindhi i blirah qari	atan, adampan kahilikan kahilikan kahilikan	. Nijibbiq majo ka katoji alikipika	M3		¹²		ak an phonony
level (dBuV/m)	10 - Maria de Maria	ye moodaa hadaddhaan dhaa dhaa dhaa dhaa dhaa	istinoista juliakti ykii kisio	adas adas (sasais) das andimos also de	s sifithing medicine le for in alle sigli de			/12 *		ak anak bangi
level (dBuV/m)	50- 10- <u></u>		يغريوا أرباط والمعارض فالمجتم الدارا	والمراب المساورة والمراجع ويساف والمراجع والمراع	. nejebbi _n metebbi _n metebbi	M3		y/12 •	W. W.	ak seak kangi
level (dBuV/m)	10	n mereben lektribilik mensistren mereben	visilopeinista assilvat kirjekis oleh peri	ana day anighterada kada da	. Kilithia _{gere} da, ba la _{la b} a dhèigh d	13		y/12 •	N. Market	art de le transfe
level (dBuV/m)	10	y sirvi da je kladistik je vene klavy venedani	risherida da alimbik ji birah ba d	now, by Hole White Statement & Ver-all	equency (MHz)			y/12 *	N. de de de la constant de la consta	2410
level (dBuV/m)	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Results	Factor	now, by Hole White Statement & Ver-all		Detector	Table	Height	ANT	
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(w/\ngp) and 3 2 1 0 No.	60 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	over Limit	Detector	(o)	(cm)	ANT	2410 Verdict

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Product: ENC Gaming TWS		ing TWS		Polarity		He	orizontal		
Mode Keeping Transmitting		ode Keeping Transmitting Test		Test Voltage		DC3.7V			
Temperature		24 deg	g. C,		Humidity		56% RH		
Test Result:		Pas	SS						
C Part 15C Class B 1GHz-180	Hz -2								
90-		- Com							
80-		$\longrightarrow \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$							
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60-	1,44	/	M2						
50-	A Land Line Complete Market		· 1/2						
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30-									
30-									
30-									
20-									
20-			2483.5 Fi	requency (MHz)					2500
30-	Results	Factor		requency (MHz) Over	Detector	Table	Height	ANT	25000

No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
2	2483.369	54.67	-3.57	74.0	-19.33	Peak	207.00	100	Horizontal	Pass
2**	2483.369	50.14	-3.57	54.0	-3.86	AV	207.00	100	Horizontal	Pass

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]	Product: ENC Gaming TWS			ng TWS	Ι	Detector		Ve	rtical	
	Mode Keeping Transmitting		nsmitting	Tes	st Voltage	DC3.7V		23.7V		
Te	Temperature 24 deg. C,			C, Humidity			56% RH			
Te	est Result:		Pas	s						
1.0E+		-2								
	10-									
7	70-									
			/							
	60-		1							
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(W/nngp) Javan 3 2 2 1 0.	0-	ng ang makananan manjik padaklik b			s kashesingalik dalfalqalikes	والمرافع المرافع المرا	ud jetinakeda k	hugh abugh	zaki kalendari	
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(W/nngp) Java 3 2 2 1 0.	0-	Results (dBuV/m)	Factor (dB)	2483.5		Detector	Table (o)	Height (cm)	ANT	

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 Ceramic antenna with gain 2.0 dBi Max. It fulfills the requirement of this section.

Test Result: Pass

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9.0 20dB Bandwid	th Measureme	nt							
GFSK Modulation	n								
Product:	I	ENC Gamin	ng TWS	}	,	Test Mode:		Keep tra	ansmitting
Mode	K	eeping Tran	nsmittin	ıg	Т	Test Voltage		DC	23.7V
Temperature		24 deg.	C,			Humidity		56%	% RH
Test Result:		Pass				Detector]	PK
20dB Bandwidth		930.00k	Hz						
Ref 10 de 10	Sm Sm	*Att 20	dB	*RBW 30 *VBW 10 SWT 5	0 kH	2 2 ndB [T BW 930 Temp 1 2 2 2	.402012 1] 20 .000000 [T1 nd -24 .401538 [T1 nd -24	.89 dBm 000 GHz .00 dB 000 kHz 21 .92 dBm 000 GHz	A 3DB
70									
-90 Center 2.4				kHz/				an 3 MHz	

Date: 26.AUG.2021 15:01:09

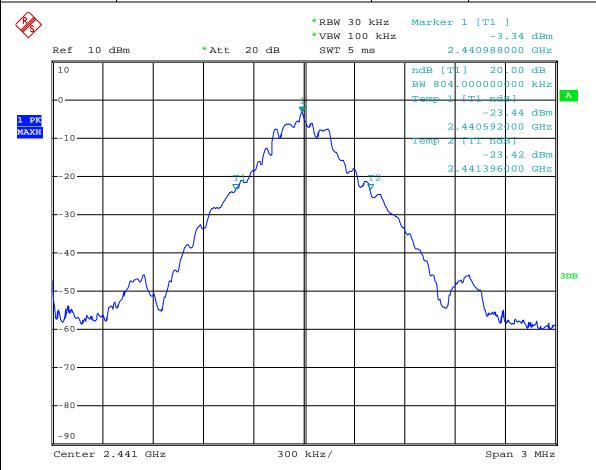
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GFSK Modula	tion		
Product:	ENC Gaming TWS	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	804.00kHz		



Date: 26.AUG.2021 15:02:49

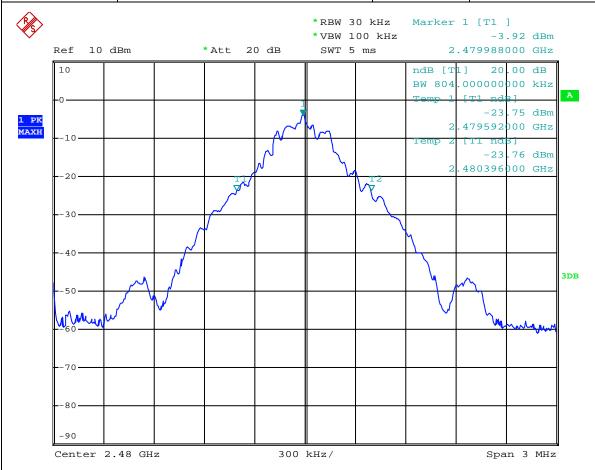
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Date: 2021-08-31



GFSK Modulati	on		
Product:	ENC Gaming TWS	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	804.00kHz		



Date: 26.AUG.2021 15:03:23

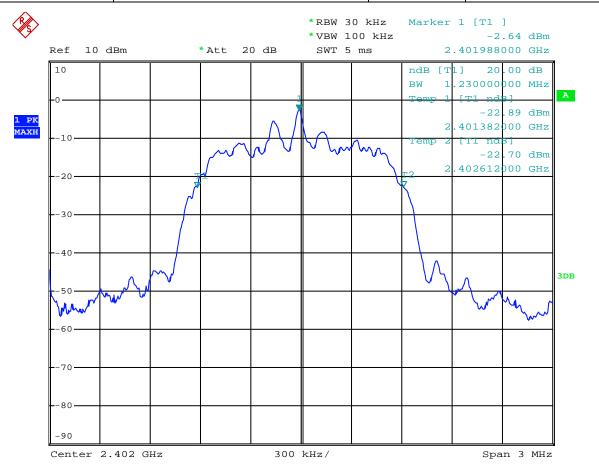
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Pi/4D-QPSK Modulation							
Product:	ENC Gaming TWS	Test Mode:	Keep transmitting				
Mode	Keeping Transmitting	Test Voltage	DC3.7V				
Temperature	24 deg. C,	Humidity	56% RH				
Test Result:	Pass	Detector	PK				
20dB Bandwidth	1.230MHz						



Date: 26.AUG.2021 15:06:35

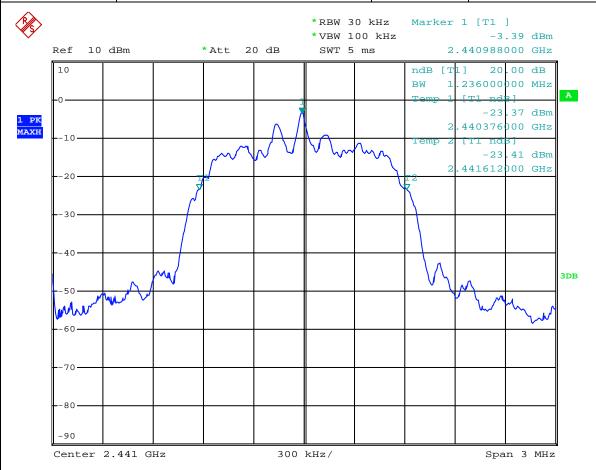
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Pi/4D-QPSK Modulation							
Product:	ENC Gaming TWS	Test Mode:	Keep transmitting				
Mode	Keeping Transmitting	Test Voltage	DC3.7V				
Temperature	24 deg. C,	Humidity	56% RH				
Test Result:	Pass	Detector	PK				
20dB Bandwidth	1.236MHz						



Date: 26.AUG.2021 15:05:33

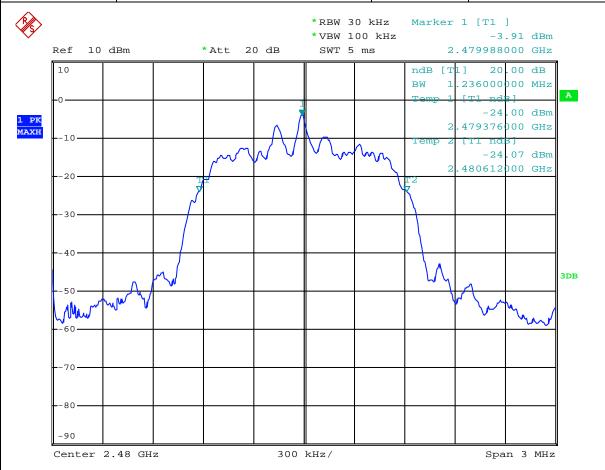
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Pi/4D-QPSK Modulation							
Product:	ENC Gaming TWS	Test Mode:	Keep transmitting				
Mode	Keeping Transmitting	Test Voltage	DC3.7V				
Temperature	24 deg. C,	Humidity	56% RH				
Test Result:	Pass	Detector	PK				
20dB Bandwidth	1.236MHz						



Date: 26.AUG.2021 15:04:10

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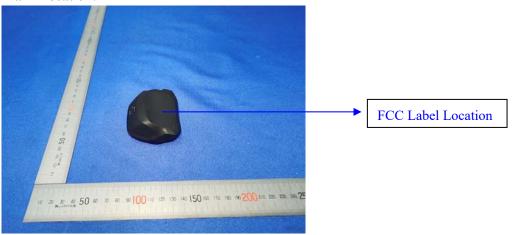


10.0 FCC ID Label

FCC ID: 2AS7V-IAEBTG421B

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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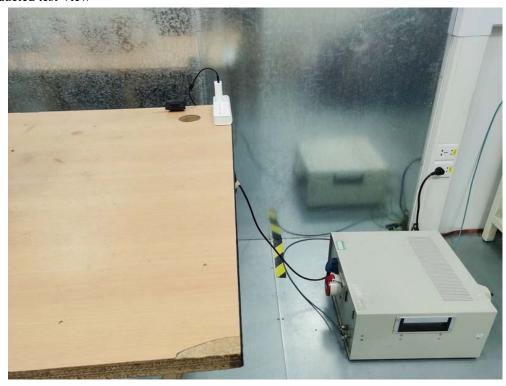
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11.0 Photo of testing

11.1 Conducted test View--



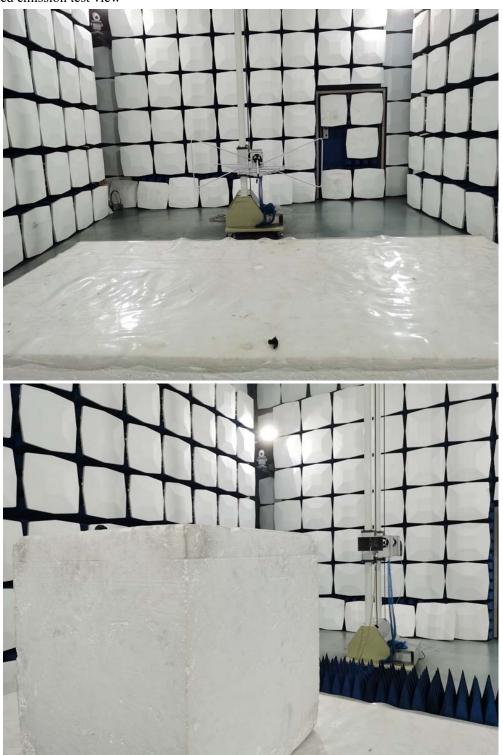
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Radiated emission test view



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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Photographs-EUT

Outside View - charger base



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Outside View - Left earphone



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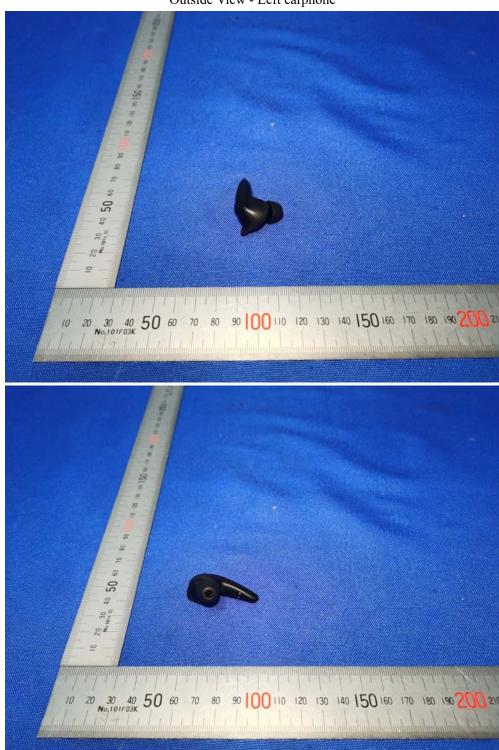
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Outside View - Left earphone



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

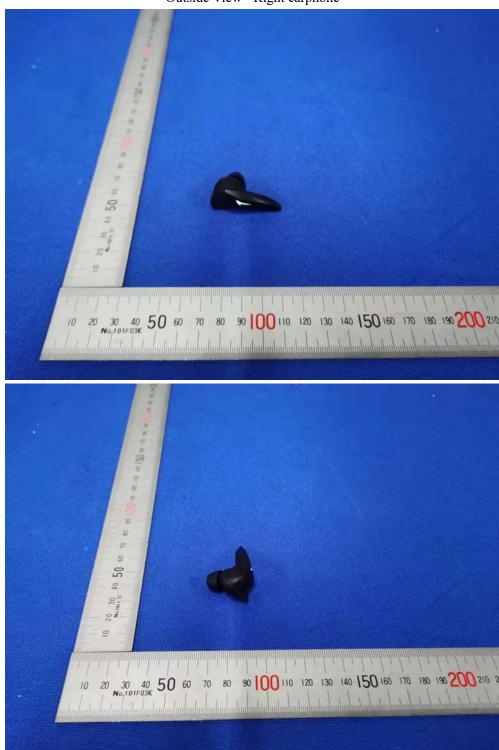
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Outside View - Right earphone



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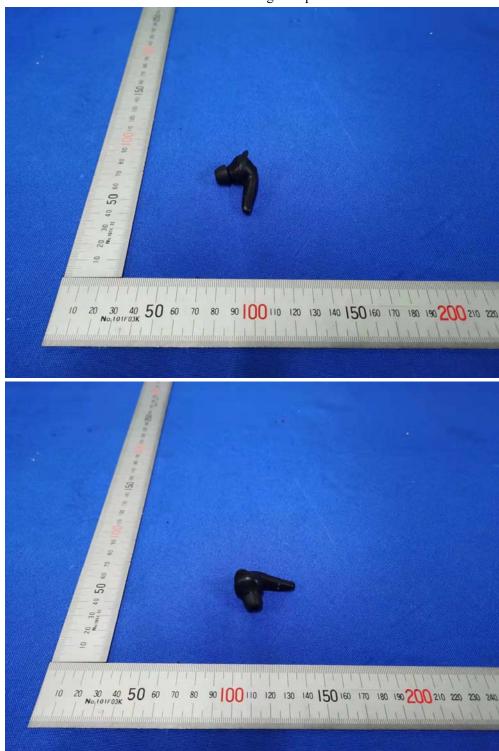
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Outside View - Right earphone



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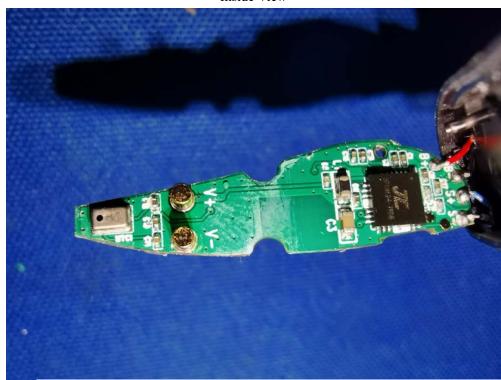
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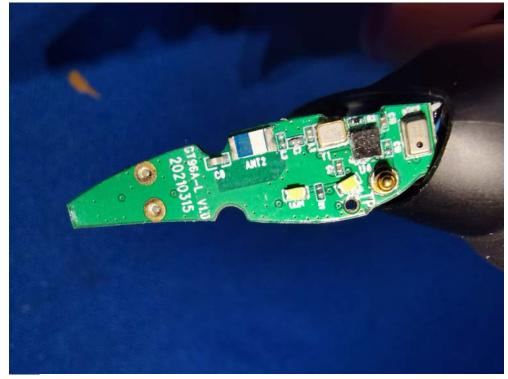
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Inside View





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will not, without the consent of the client enter into any

discussion of correspondence with any third party concerning the contents of the report.

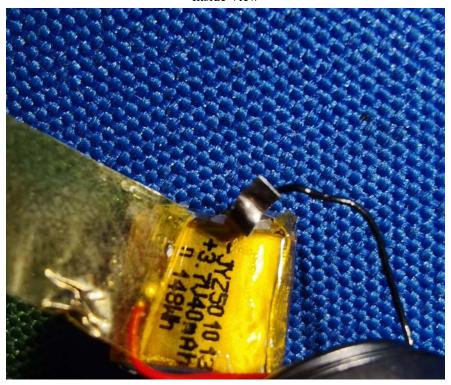
In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

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Inside View



-- End of the report--