

Report No.: TW2412112E

Applicant: GODIRECTINC.COM, INC.

Product: GEARit Sport Hook True Wireless Earbuds

Model No.: GI-TWS-SPT-HK-BK-001, GEARit Sport H001, TWS128

Trademark: Glory Star, GEARIT

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 & FCC Part 15 Subpart C,

Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Terry Tang

Manager

Dated: December 25, 2024

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:

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

CAB identifier: CN0033

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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.

11.0

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Photo of Test Setup and EUT View....

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Date: 2024-12-25



1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

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

Village, Nanshan District, Shenzhen, China

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

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: GODIRECTINC.COM, INC.

Address: 489 Yorbita Rd #B, La Puente CA 91744

1.3 Description of EUT

Product: GEARit Sport Hook True Wireless Earbuds
Manufacturer: ShenZhen Glory Star Industrial Co., Ltd

Address: Room 2202, Block 1 st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: Glory Star, GEARIT

Model Number: GI-TWS-SPT-HK-BK-001

Additional Model Name GEARit Sport H001, TWS128

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.

Serial No.: GS-282412240005

Hardware Version: DHF-JH-A6-L-V1.2(69X3D)/DHF-JH-A6-R-V1.2(69X3D)

Software Version: V233

Operation Frequency: 2402-2480MHz Modulation Type: GFSK, $\sqrt{1/4}$ DQPSK

Number of Channels: 79 Channel Separation: 1MHz

Antenna Designation Chip antenna with gain 2.6dBi maximum (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

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1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Conducted Emissions Uncertainty =3.6dB

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

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

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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	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

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 teste	d according	to the f	following	specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies
FCC Part 15.215(c)	20dB bandwidth	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

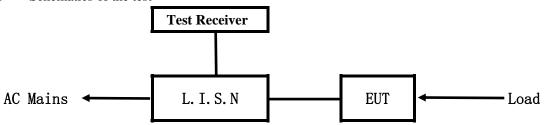
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

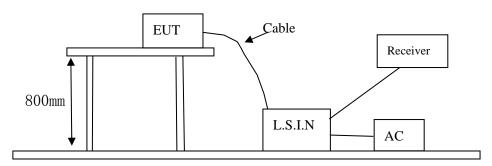


EUT: Equipment Under Test

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
GEARit Sport Hook True Wireless Earbuds	ShenZhen Glory Star Industrial Co., Ltd	GI-TWS-SPT-HK-BK-001, GEARit Sport H001, TWS128	2BKO4-TWS128

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
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NT/A		
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:

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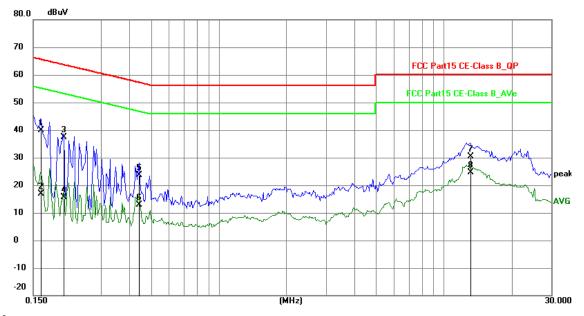
A: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

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

EUT set Condition: Communication by BT

Results: Pass



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1617	29.66	10.34	40.00	65.38	-25.38	QP	Р
2	0.1617	6.55	10.34	16.89	55.38	-38.49	AVG	Р
3	0.2046	27.02	10.32	37.34	63.42	-26.08	QP	Р
4	0.2046	5.42	10.32	15.74	53.42	-37.68	AVG	Ч
5	0.4425	13.22	10.38	23.60	57.01	-33.41	QP	П
6	0.4425	2.42	10.38	12.80	47.01	-34.21	AVG	Р
7	13.0893	15.65	14.63	30.28	60.00	-29.72	QP	Р
8	13.0893	10.04	14.63	24.67	50.00	-25.33	AVG	Р

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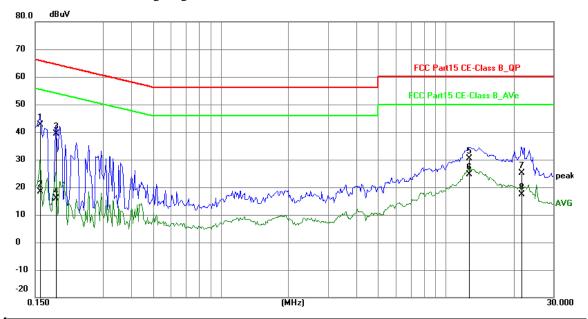
B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

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

EUT set Condition: Communication by BT

Results: Pass



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1578	32.17	10.34	42.51	65.58	-23.07	QP	Р
2	0.1578	7.96	10.34	18.30	55.58	-37.28	AVG	Р
3	0.1850	29.11	10.33	39.44	64.26	-24.82	QP	Р
4	0.1850	5.46	10.33	15.79	54.26	-38.47	AVG	Р
5	12.6915	15.76	14.53	30.29	60.00	-29.71	QP	П
6	12.6915	10.06	14.53	24.59	50.00	-25.41	AVG	Р
7	21.6693	9.18	16.07	25.25	60.00	-34.75	QP	Р
8	21.6693	1.42	16.07	17.49	50.00	-32.51	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 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

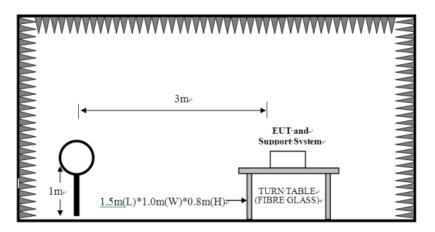
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

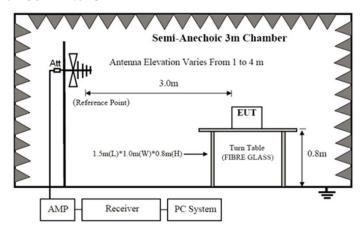


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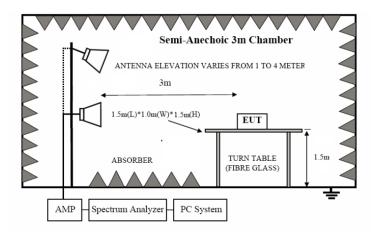
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For radiated emissions from 30MHz to1GHz



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

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2400-2483.5 50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
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Note:

- 1. RF Field Strength $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

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

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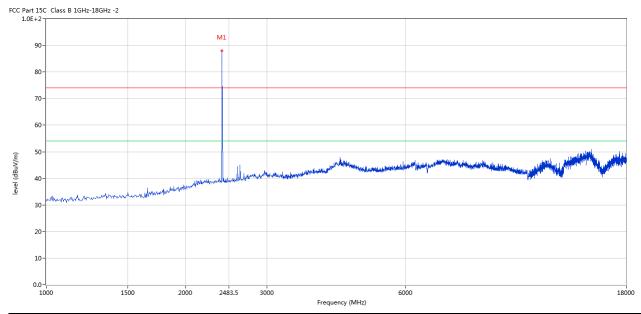
6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Left Part

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

Horizontal



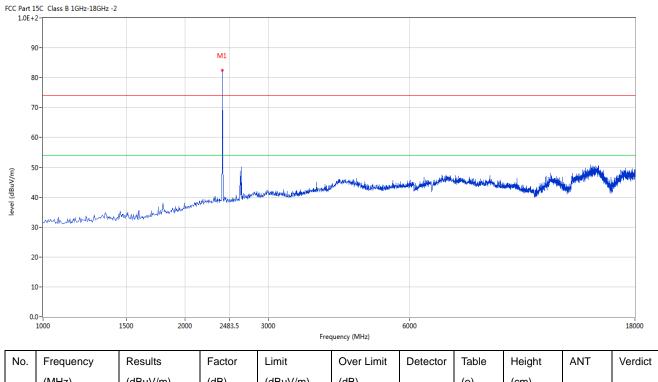
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	87.97	-3.57	114.0	-26.03	Peak	253.00	100	Horizontal	Pass

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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	2402	82.40	-3.57	114.0	-31.60	Peak	85.00	100	Vertical	Pass

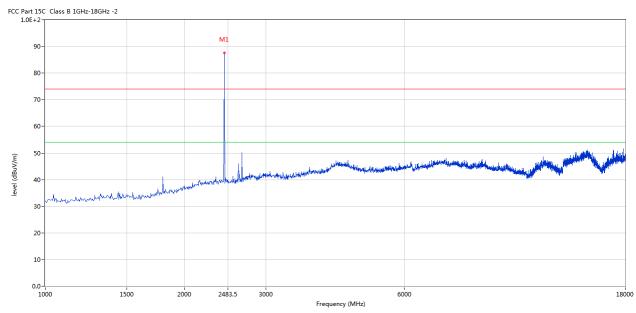
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



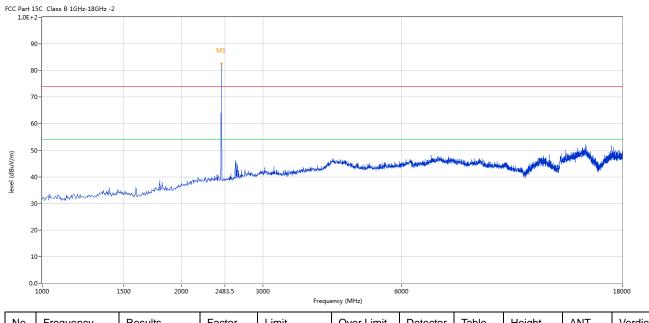
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	87.63	-3.57	114.0	-26.37	Peak	192.00	100	Horizontal	Pass

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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	2441	82.48	-3.57	114.0	-31.52	Peak	54.00	100	Vertical	Pass

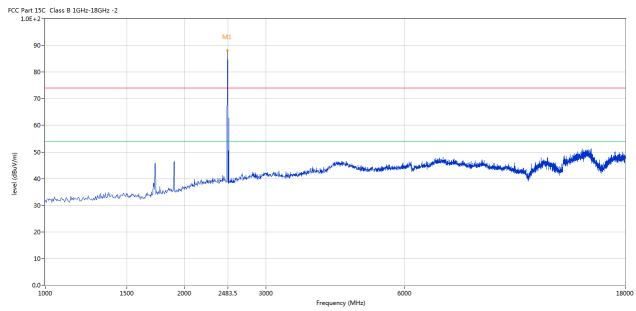
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



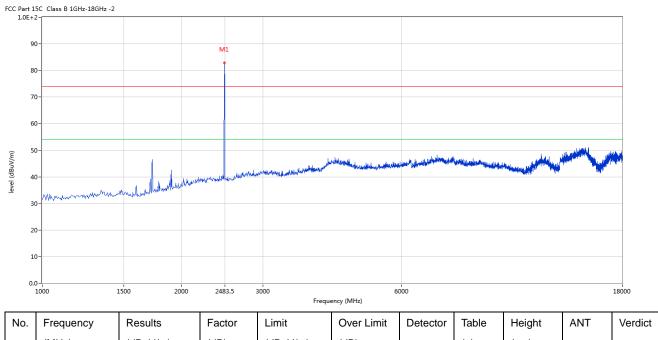
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	88.08	-3.57	114.0	-25.92	Peak	253.00	100	Horizontal	Pass

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Vertical



No	o. I	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	((MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2	2480	82.94	-3.57	114.0	-31.06	Peak	47.00	100	Vertical	Pass

Note: (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (2) Margin=Emission-Limits
- (3) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (4) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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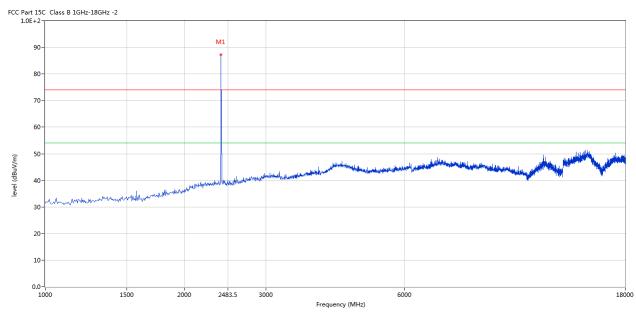
Date: 2024-12-25



Right Part

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

Horizontal



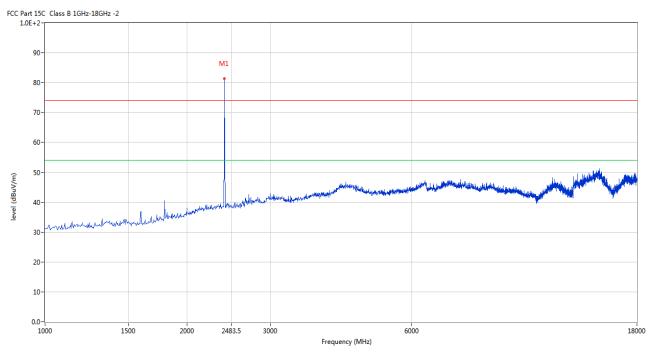
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	87.14	-3.57	114.0	-26.86	Peak	239.00	100	Horizontal	Pass

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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	2402	81.38	-3.57	114.0	-32.62	Peak	52.00	100	Vertical	Pass

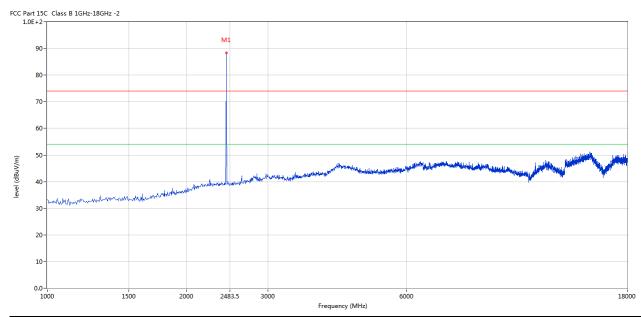
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



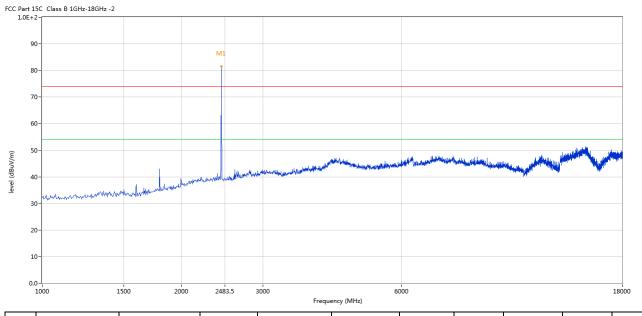
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	88.24	-3.57	114.0	-25.76	Peak	245.00	100	Horizontal	Pass

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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	2441	81.56	-3.57	114.0	-32.44	Peak	58.00	100	Vertical	Pass

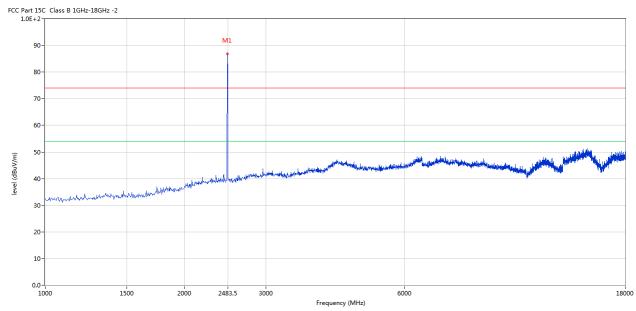
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



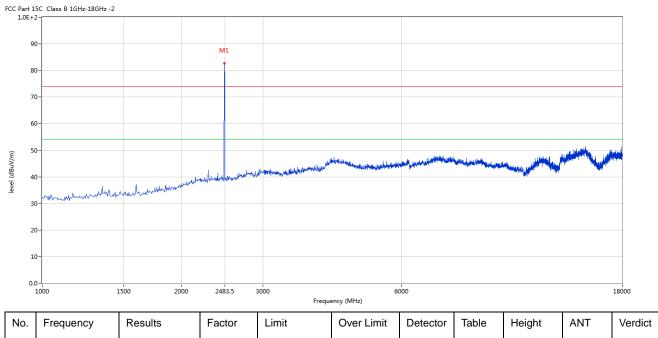
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	86.83	-3.57	114.0	-27.17	Peak	256.00	100	Horizontal	Pass

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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	2480	82.62	-3.57	114.0	-31.38	Peak	60.00	100	Vertical	Pass

Note: (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (2) Margin=Emission-Limits
- (3) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (4) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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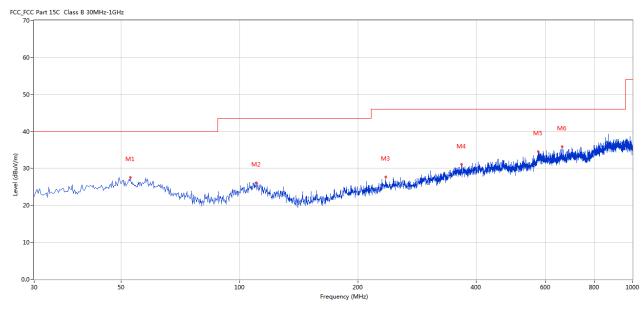
B. General Radiated Emission Data

Left Part

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

EUT set Condition: Keep Tx transmitting

Results: Pass



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	52.789	27.61	-4.99	40.0	12.39	Peak	251.00	100	Horizontal	Pass
2	110.247	26.13	-5.94	43.5	17.37	Peak	248.00	100	Horizontal	Pass
3	235.346	27.69	-5.33	46.0	18.31	Peak	182.00	100	Horizontal	Pass
4	367.233	31.05	-1.74	46.0	14.95	Peak	56.00	100	Horizontal	Pass
5	575.004	34.55	1.27	46.0	11.45	Peak	88.00	100	Horizontal	Pass
6	662.767	35.82	2.01	46.0	10.18	Peak	261.00	100	Horizontal	Pass

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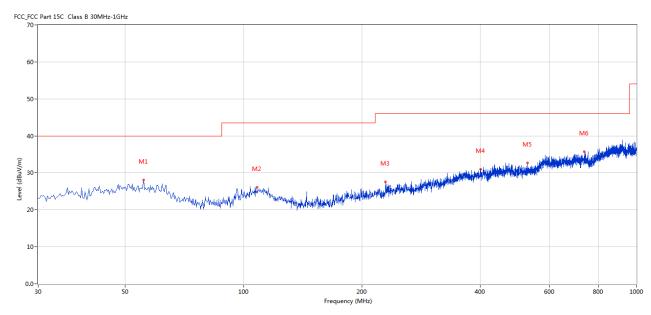
Date: 2024-12-25



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

EUT set Condition: Keep Tx transmitting

Results: Pass



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	55.699	28.07	-5.08	40.0	11.93	Peak	317.00	100	Vertical	Pass
2	108.308	26.13	-5.98	43.5	17.37	Peak	70.00	100	Vertical	Pass
3	229.770	27.59	-5.70	46.0	18.41	Peak	105.00	100	Vertical	Pass
4	400.932	31.02	-1.66	46.0	14.98	Peak	77.00	100	Vertical	Pass
5	527.971	32.69	-0.62	46.0	13.31	Peak	145.00	100	Vertical	Pass
6	735.741	35.67	2.38	46.0	10.33	Peak	90.00	100	Vertical	Pass

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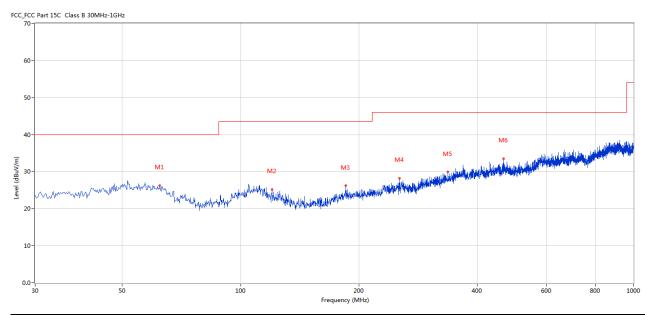


Right Part

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

EUT set Condition: Keep Tx transmitting

Results: Pass



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	62.244	26.20	-5.60	40.0	13.80	Peak	11.00	100	Horizontal	Pass
2	120.187	25.17	-8.05	43.5	18.33	Peak	301.00	100	Horizontal	Pass
3	185.161	26.18	-7.14	43.5	17.32	Peak	37.00	100	Horizontal	Pass
4	253.529	28.19	-5.45	46.0	17.81	Peak	308.00	100	Horizontal	Pass
5	337.171	29.86	-3.11	46.0	16.14	Peak	60.00	100	Horizontal	Pass
6	466.391	33.43	-0.47	46.0	12.57	Peak	86.00	100	Horizontal	Pass

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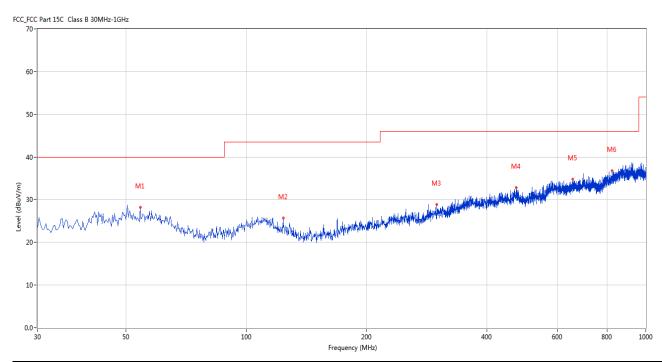
Date: 2024-12-25



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

EUT set Condition: Keep Tx transmitting

Results: Pass



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	54.244	28.16	-5.19	40.0	11.84	Peak	324.00	100	Vertical	Pass
2	123.582	25.75	-7.83	43.5	17.75	Peak	134.00	100	Vertical	Pass
3	299.835	28.88	-4.20	46.0	17.12	Peak	296.00	100	Vertical	Pass
4	474.391	32.83	-0.34	46.0	13.17	Peak	133.00	100	Vertical	Pass
5	655.736	34.75	2.00	46.0	11.25	Peak	72.00	100	Vertical	Pass
6	822.534	36.73	3.69	46.0	9.27	Peak	147.00	100	Vertical	Pass

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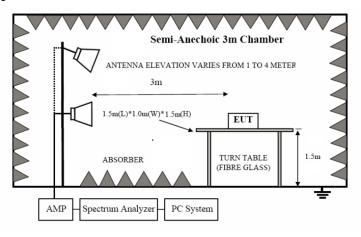


7. Band Edge

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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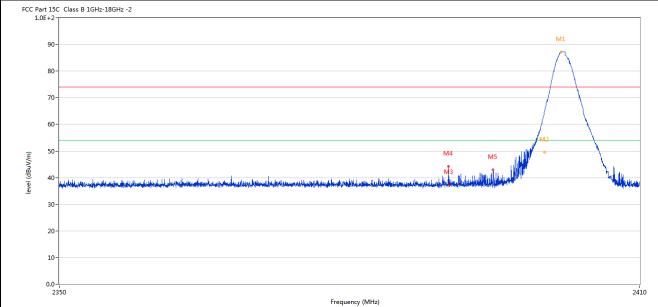


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7.6 Test Result

Left Part

Product:	GEARit Sport Hook True Wireless Earbuds	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
FCC Part 15C Class B 1GHz-180	GHz -2		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2401.797	87.28	-3.57	74.0	13.28	Peak	247.00	100	Horizontal	N/A
2	2400.042	64.81	-3.57	74.0	-9.19	Peak	247.00	100	Horizontal	Pass
2**	2400.042	49.56	-3.57	54.0	-4.44	AV	247.00	100	Horizontal	Pass
3	2390.085	37.26	-3.53	74.0	-36.74	Peak	167.00	100	Horizontal	Pass
4	2390.070	44.19	-3.53	74.0	-29.81	Peak	329.00	100	Horizontal	Pass
5	2394.704	42.86	-3.55	74.0	-31.14	Peak	247.00	100	Horizontal	Pass

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J	Product:	GEARit Spe	ort Hook Ti	rue Wireless E	Earbuds	Detect	or		Vertical	
	Mode	ŀ	Keeping Tra	nsmitting		Test Volt	age		DC3.7V	
Te	mperature		24 deg	g. C,		Humid	ity	;	56% RH	
Te	est Result:		Pas	s						
CC Par 1.0l	t 15C Class B 1GHz-18G	Hz -2			·					
	90-									
	80-							/	//1 ^	
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	70-									
	60-								-	
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level (dBuV	30-	المراجعة والمراجعة والمراج	والمام والمطالبة والمعارض والم	Marilanda mayadi kacamad da sa pul	ja lestisileileiteiseijienudend				***	de de la companya de
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	20-	રંતાના પ્રેમનો કેનોનો, તેમન ત્યુપ્તર હાઇ જાહે હોય. તેમ	ai dheiridheanna, maiste de a baire	Marked a second or a complete and a	in heriotekokokoa aska					
	20-	eksembedbalad, kanang sakubagbada da Jam	eldheirillaanterwijekelorie		equency (MHz)	Marie				
	20-	Results	Factor			Detector	Table	Height	ANT	241
	30- 20- 10- 0.0- 2350			Fro	equency (MHz)			Height (cm)	ANT	241
No.	30- 20- 10- 0.0- 2350	Results	Factor	Fr Limit	equency (MHz) Over Limit		Table		ANT Vertical	241
No.	20- 10- 0.0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	Table (o)	(cm)		Verdi
No.	30- 20- 10- 0.0- 2350 Frequency (MHz) 2401.797	Results (dBuV/m) 82.21	Factor (dB) -3.57	Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 8.21	Detector Peak	Table (o) 89.00	(cm)	Vertical	Verdi N/A Pass
No.	20- 10- 2350 Frequency (MHz) 2401.797 2400.042	Results (dBuV/m) 82.21 60.03	Factor (dB) -3.57	Limit (dBuV/m) 74.0 74.0	equency (MHz) Over Limit (dB) 8.21 -13.97	Detector Peak Peak	Table (o) 89.00	(cm) 100 100	Vertical Vertical	Verdi N/A Pass Pass
(w/\ngp) ana)	30- 20- 10- 0.0- 2350 Frequency (MHz) 2401.797 2400.042 2400.042	Results (dBuV/m) 82.21 60.03 44.86	Factor (dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	over Limit (dB) 8.21 -13.97 -9.14	Detector Peak Peak AV	Table (o) 89.00 89.00	(cm) 100 100	Vertical Vertical Vertical	241 Verdi

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	Product:	GEARit S	ss Earbuds	Polarity		Horizontal		al		
Mode		Keeping Transmitting					Test Voltage		DC3.7V	
Temperature			24 deg. C,				ımidity		56% RI	I
	Test Result:		F	Pass						
	rt 15C Class B 1GHz-18GHz E+2-	-2								
	90-		M1							
	80-									
	70-									
	60-		<i>*</i>							
			1	M ₂						
	50-			M2	· · · · · · · · · · · · · · · · · · ·					
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	50- 40- 30-	Wienershield belief of the state of the stat		M2	Anna Barriera de la Compania de Compania d	and an arministrative specimens	and the state of t	in the stage of th	nthing shi sa alay sa pinan thi lang pinan ta	dangajah biyan
	30- 20-			M2	Anna de de la compania del la compania de la compania del la compania de la compania del la compania de la compania de la compania del compania del compania del la compani	i entrektio aponikottiski kipilionellon	<u>१ क्षेत्र</u> के क्षेत्रके स्वत्रके स्वत्रक	ila ta shekara kala kala kala kala kala kala kala	athigadara dayda gilmirin til baqqidin eda	خدوها بارشارته
	30- 20-			M2 2483.:		i eriştin qərəstərindi iyilə oylar	e april assis, a spilasspirity as	ilanda yayada ada da karani di	ashiga dhaa ahay ka paarin 44 kmay kan da	2500
	30- 20- 10- 2470	Results	Factor		5	Detector	Table	Height	ahikalasadayu, amin 4) baqidas da	2500
No	30- 20- 10- 2470		Factor (dB)	2483.	5 Frequency (MHz)					

No	. Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2479.890	87.50	-3.57	74.0	13.50	Peak	249.00	100	Horizontal	N/A
2	2483.500	52.07	-3.57	74.0	-21.93	Peak	254.00	100	Horizontal	Pass

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]	Product:		GEARit Sp	s Detec	Detector		Vertical				
Mode Temperature		/lode	I	Keeping Tra	ansmitting	Test Vo	Test Voltage		DC3.7V		
		perature	e 24 deg. C,				Humidity		56% RH		
Тє	Test Result:		Pass								
	rt 150)E+2-	C Class B 1GHz-18GF	-lz -2								
	90-										
	90-			M1							
	80-				The way						
	70-			N	7						
	60-			_/	M						
				\mathcal{A}	, ,						
BuV/m)	50-		المامل	1	M ₂						
level (dBuV/m)			take take make a lake to be a l		2 maries and a second	angen-dedakkadinkedakenkenkenken antibil	hard Herry Lave balled	indigital desputação de productivo por porto de productivo	والمراجعة والمرا	مادية العرب أحداث المراحدة	
level (dBuV/m)	50-	phorpology (all middle hapters, and	Habita Harrison Marie Carlo		Manager Manage	arrifa-ni delikeriketiketen kan arrifki	ing different on both of	indicid almost and proceduring	المستكلف الإرداء مالحية والأمارية	مارية المراجعة المراج	
level (dBuV/m)	50-	- phorphysylphiansistappastaph	and have be become made and a shape of the	1	A A A A A A A A A A A A A A A A A A A	angennet derlite ustrakt virke ven de en wishke	المراضية والمساورة	indicial disease of the second phone	ويرافعه المرابع والمرابع والم	بغنيها أخرس أحفاقيك بالم	
level (dBuV/m)	50 - 40 - 30 - 20 -	whenevery is blacked to be a selected as the	himbler was the state of the st		2 Andrew Control of the Control of t	arrifer-skriviste sakukarikarikarikarikari arrifika	المرافعين أعالهما	ishidodininkan densekakan	enderen, september elder elder	يلام المعالمة	
level (dBuV/m)	50- 40- 30- 20-	johneshappalameterkapantani	dal hards be provinced in the last of the		A Commission of the Commission	erghandedrijisadedesidendragisada avsibbi	امرادا دربه سالور	indica de la constanta de la c	g, aller en, e, aleks elik elik eli	ah asil kaling di asila	
level (dβuV/m)	50- 40- 30- 20- 10-	johneshappalameterkapantani	telebook berronina		2483.5 Frequency (f		المراجي المراجي المراجع	indicial designation of the second phone of	A confine a recording a confine of the confine of t	2500	
No.	50- 40- 30- 20- 10- 0.0- 24	almost april de metros de constante de	Results	Factor	2483.5	IHz)	Table	Height	ANT	Г	
	50- 40- 30- 20- 10- 0.0- 24	whether is the state of the sta		Factor (dB)	2483.5 Frequency (I	IHz)	1000			Г	
	50- 40- 30- 20- 10- 0.0- 24	470 Frequency	Results		2483.5 Frequency (f	IHz)	Table	Height		2500 Verdic	

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

2. The two modulation modes of GFSK, Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

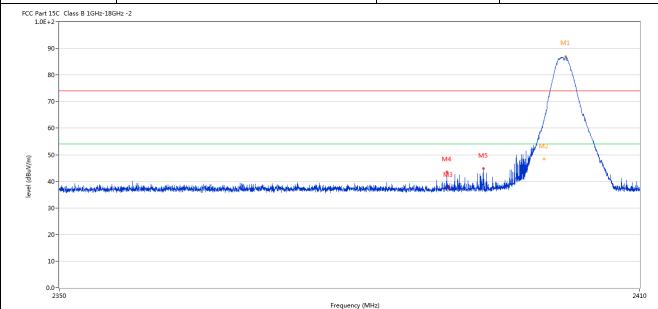
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Right Part

Product:	GEARit Sport Hook True Wireless Earbuds	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No. Limit Over Limit ANT Frequency Results Factor Detector Table Height Verdict (MHz) (dBuV/m) (dB) (dBuV/m) (dB) (o) (cm) 87.02 2402.232 -3.5774.0 13.02 Peak 250.00 100 Horizontal N/A 2 2400.012 63.39 -3.57 74.0 -10.61 Peak 245.00 100 Horizontal **Pass** 2** 2400.012 48.31 -3.57 54.0 -5.69 ΑV 245.00 100 Horizontal Pass 3 2390.040 37.40 -3.53 74.0 -36.60 Peak 21.00 100 Pass Horizontal 4 2389.890 43.44 -3.53 74.0 -30.56 Peak 178.00 100 Horizontal **Pass** 5 2393.699 44.78 74.0 Peak 100 Pass -3.54 -29.22 168.00 Horizontal

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Date: 2024-12-25

3

4

5

2390.100

2392.124

2393.384

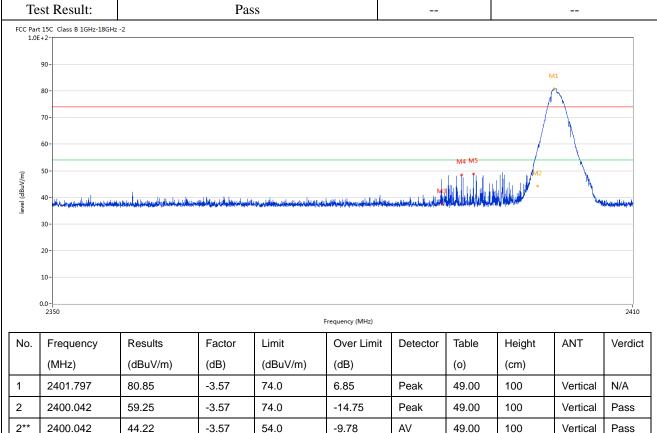
37.44

48.41

48.77

THE LABORATION OF THE PARTY OF

Product:	GEARit Sport Hook True Wireless Earbuds	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



-36.56

-25.59

-25.23

Peak

Peak

Peak

100

100

100

309.00

89.00

89.00

Pass

Pass

Pass

Vertical

Vertical

Vertical

-3.53

-3.54

-3.54

74.0

74.0

74.0

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Date:	2024-	12	-25

	Product:	Product: GEARit Sport Hook True Wirele			luct: GEARit Sport Hook True Wireless Earbuds		P	Polarity		Horizontal		
	Mode	Mode Keeping Transmitting				Test	Voltage		DC3.7	'V		
Te	emperature		24 d	leg. C,	Humidity		Humidity		Humidity 56%			Н
Te	est Result:	st Result: Pass										
C Part :	15C Class B 1GHz-18GHz	-2										
c	90-		M1									
			A.C.									
8	30-			1								
7	70-											
6	50-		/									
. 5	50-	محلماليان		M2								
4	40-											
		Market Market Commencer			Will Add the same	han Kapi ayan disebiga bi Babban dibi ba babbi sa dibi	alady belog bir il book of probability bir b	alia di katanda da kata	dalitha playlish an tou don't had the ad a best	Militar des stronger		
3	30-											
2	20-											
1	10-											
0	.0-											
	2470			2483.5	Frequency (MHz)					2500		
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdi		
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)				

No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2479.860	86.13	-3.57	74.0	12.13	Peak	248.00	100	Horizontal	N/A
2	2483.500	50.46	-3.57	74.0	-23.54	Peak	253.00	100	Horizontal	Pass

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	Produc	et:	GEARit Sp	rbuds Det	ector		Vertical										
	Mode	•	Keeping Transmitting			Keeping Transmitting		Keeping Transmitting		Keeping Transmitting		Keeping Transmitting		Voltage		DC3.7V	
Te	mpera	ture		24 deş	g. C,	Hur	nidity		56% RH								
Т	est Res	ult:		Pas	SS												
	ort 15C Class	B 1GHz-18G	Hz -2														
	90-																
	90-			M1													
	80-																
	70-																
	60-			/													
	00-			1													
(i	50-			+	M2												
(dBuV/m)	50-		المناطقة الم		M2												
level (dBuV/m)	50- 40-	ultraphylytish száványás			M2	rainale, saarikkan asekkeesis birista ja asekke	والمراه والمراه والمالة	akitka katela sama da katela sa katela sa ka	والمرابط المارية المرابط والمرابط والم	anthalt-agenoment.							
level (dBuV/m)	50-	ulkunten idan keen kunin di			M2	transfluence, Alexanda principa de describado de medida	deldig I discovered discount inservin	ahilipanan karantara karantarah sahi sang	allen tradesia de la describió	and his major arms and a							
level (dBuV/m)	50- 40-	dengen Venlesening b			M2	rrisionles, ann dels anno and anno anno dels anno a	delikk di disentakkan dilisensi	skilkatustonalentija, djasterre	فارتطب أساسانية والخارد الدارة	addition of the second							
level (dBuV/m)	50- 40-	dkapta idaharahaj b	-ver-consistered biblished bis bib		M2	Yekanilanan indhamusi da da kata kata kata kata kata kata kat	de de la compansa de	akite was kuran kura	ر المراجعة	addition are assisted							
level (dBuV/m)	30- 20-	المساه بصراعتما إ			M2	reduced a second discovered developed and advance second discovered discovere	delik dalamentekandelane	ikitkanistanakanipadense	المراجعة الم								
level (dBuV/m)	30- 20-	ukopa fedurang			2483.5 Free	vency (MHz)	delik, kiljanenda, adiisepesi	okita parakera nina ing njerikera n	والمرابعة المرابعة ا	2500							
level (dBuV/m)	30- 20-		Results	Factor	Free			Height	ANT	2500							
	30- 20- 10- 2470	iency		Factor (dB)	Limit	uency (MHz)				2500							
	30- 20- 10- 2470	uency	Results		Limit (dBuV/m)	uency (MHz) Dver Limit Detect	or Table	Height									

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

2. The two modulation modes of GFSK, 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 Chip antenna with gain 2.6dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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9.0 20dB Bandwidth Measurement

Test Configuration



Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Limit

N/A

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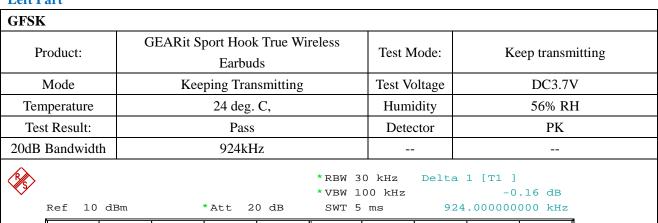
Report No.: TW2412112E

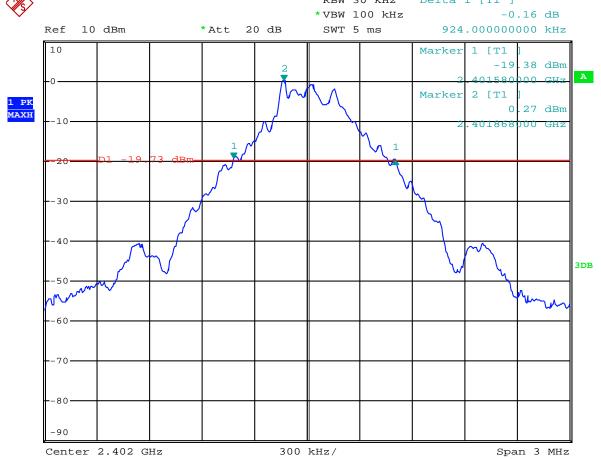
Date: 2024-12-25



Test Result

Left Part





Date: 19.DEC.2024 10:55:23

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Report No.: TW2412112E

Date: 2024-12-25



D 1 4	GEARit Sport Hook True Wire	eless T. M. I. W.
Product:	Earbuds	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	918kHz	
		*RBW 30 kHz Delta 1 [T1] *VBW 100 kHz -0.97 dB
Ref 10 di		SWT 5 ms 918.000000000 kHz
10		Marker 1 [T1]
-0	2	-18.82 dBm 2.440580000 GHZ A
1 PK		Marker 2 [T1]
-10		0.14 dBm 2.440862900 GHZ
20 <u>D1</u>	-19 86 dBm //	
-30	√	\
-40		
	/ h/\	3DB
-50		
50		The state of the s
-60		
70		
-80		
-90		
Center 2.	441 GHz 300 k	Hz/ Span 3 MHz

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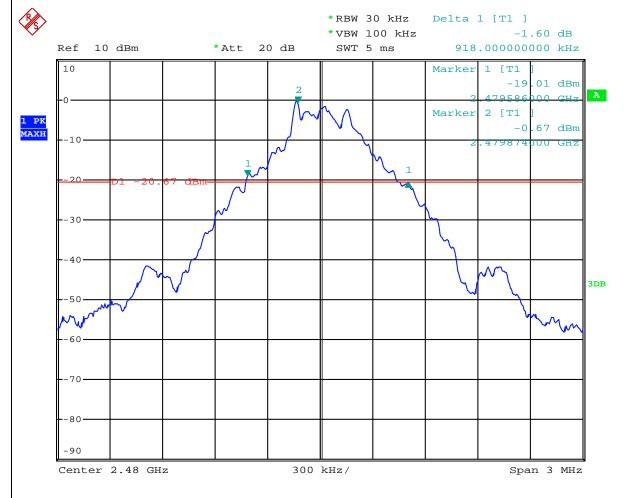
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Report No.: TW2412112E

Date: 2024-12-25



GFSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	918kHz		



Date: 19.DEC.2024 11:15:05

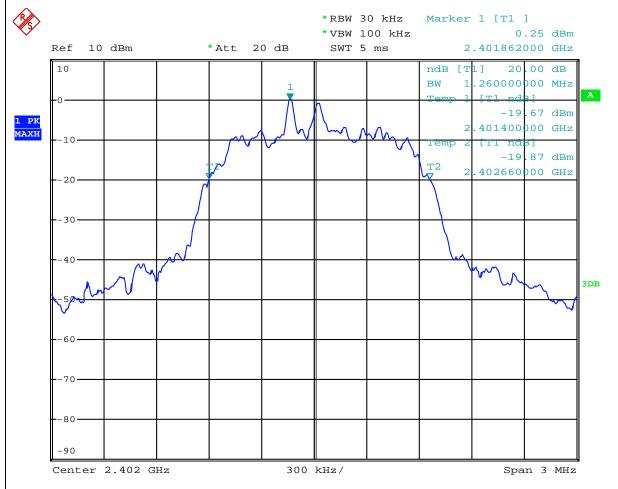
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Report No.: TW2412112E

Date: 2024-12-25



Л/4DQPSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	1.260MHz		1



Date: 19.DEC.2024 11:34:41

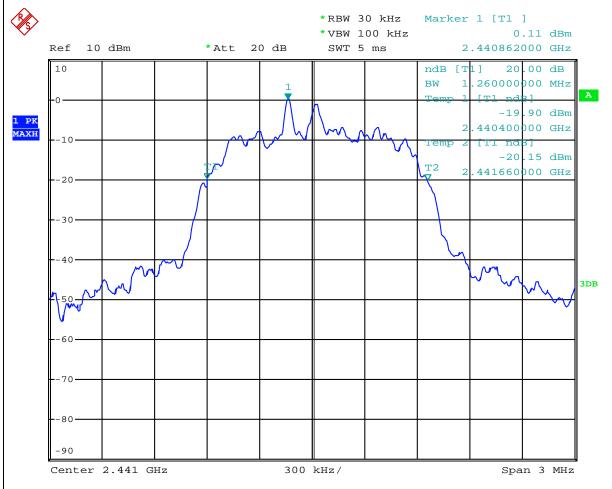
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Report No.: TW2412112E

Date: 2024-12-25



Л/4DQPSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	1.260MHz		



Date: 19.DEC.2024 11:31:52

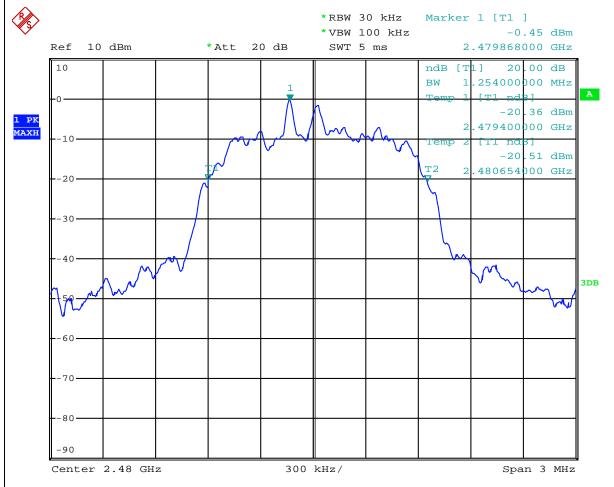
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Date: 2024-12-25



Л/4DQPSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	1.254MHz		



Date: 19.DEC.2024 11:17:54

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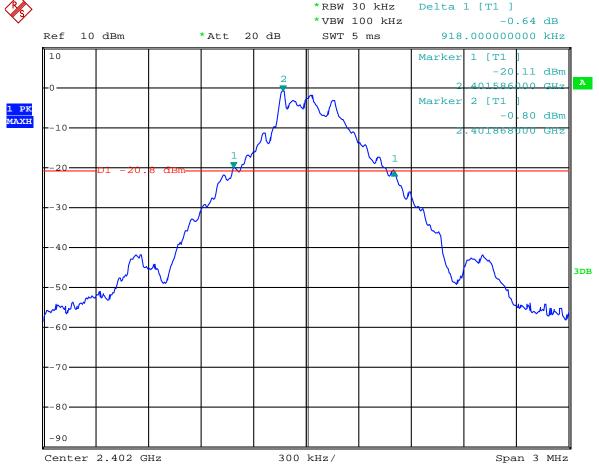
Report No.: TW2412112E

Date: 2024-12-25



Right Part

GFSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	918kHz		
<u> </u>		10 1-11- D-1+-	



Date: 24.DEC.2024 09:05:59

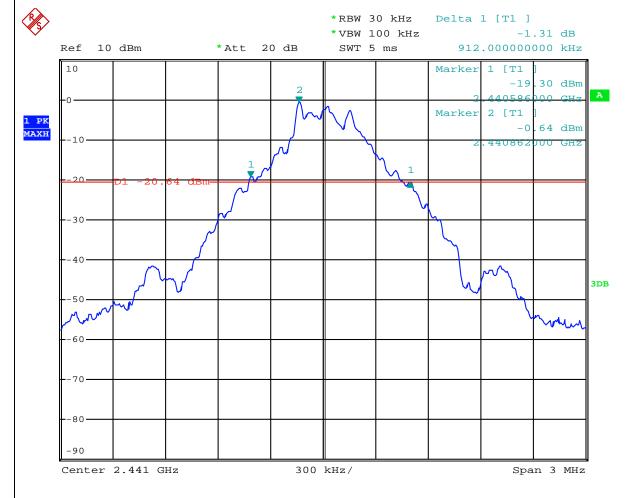
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Report No.: TW2412112E

Date: 2024-12-25



GFSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	912kHz		



Date: 24.DEC.2024 09:23:17

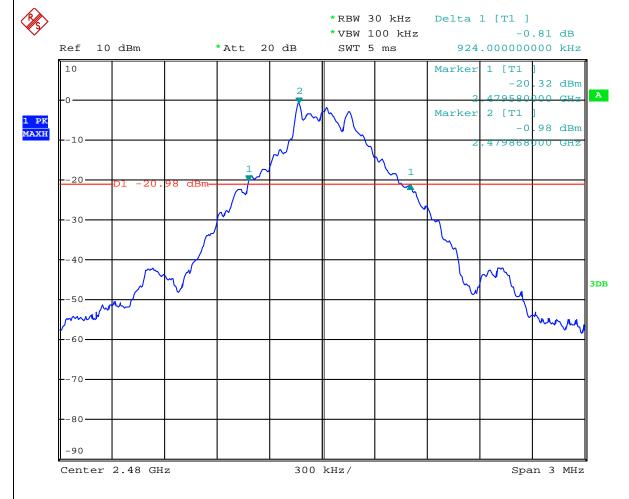
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Date: 2024-12-25



GFSK					
Product:	GEARit Sport Hook True Wireless Earbuds	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	924kHz				



Date: 24.DEC.2024 09:27:19

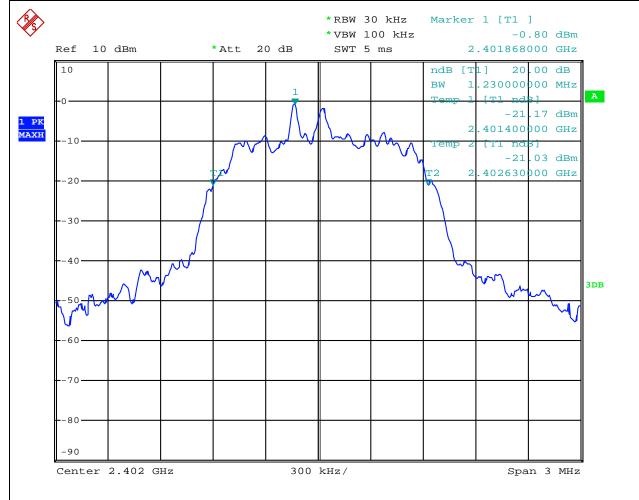
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Report No.: TW2412112E

Date: 2024-12-25



Л/4DQPSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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: 24.DEC.2024 10:05:02

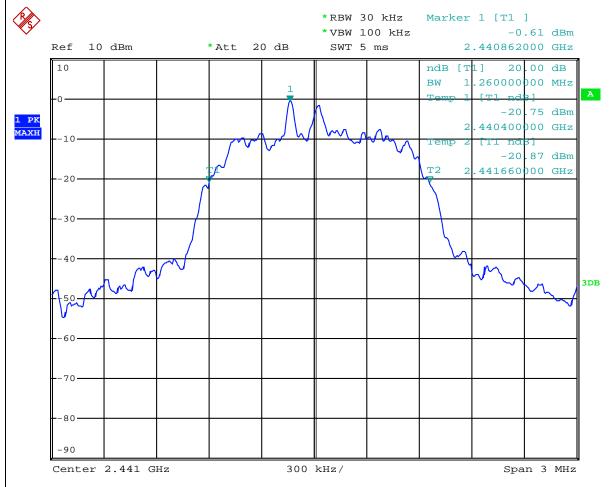
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Report No.: TW2412112E

Date: 2024-12-25



Л/4DQPSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	1.260MHz		



Date: 24.DEC.2024 09:57:22

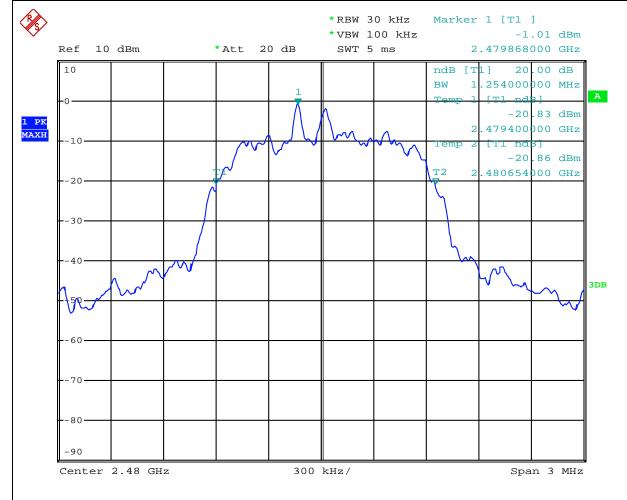
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Report No.: TW2412112E

Date: 2024-12-25



Л/4DQPSK			
Product:	GEARit Sport Hook True Wireless Earbuds	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	1.254MHz		



Date: 24.DEC.2024 09:52:48

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10.0 FCC ID Label

FCC ID: 2BKO4-TWS128

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.

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11.0 Photo of testing

11.1 Conducted test View

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Radiated emission 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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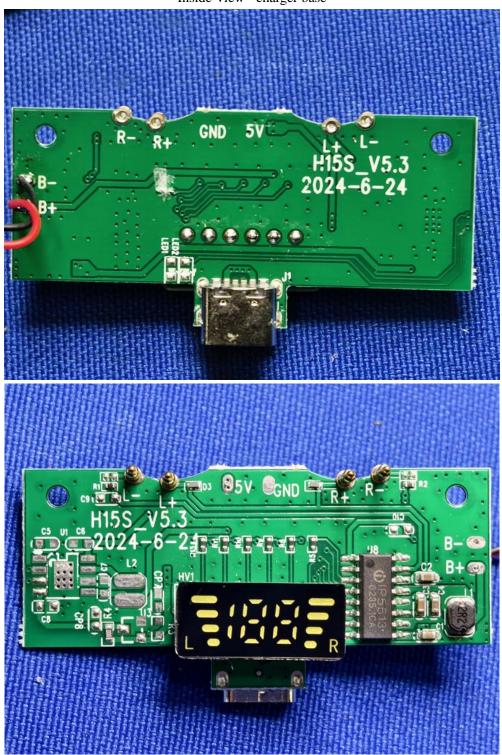
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Inside View - charger base



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Outside View - Left earphone



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Outside View - Left earphone



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Inside View - Left earphone





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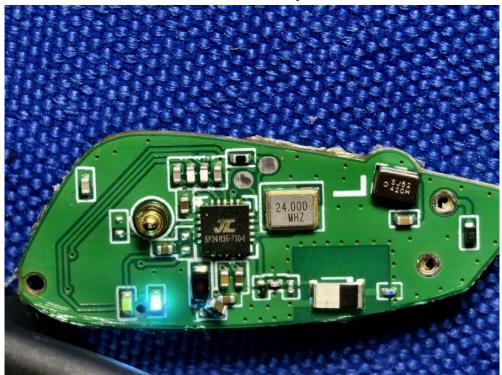
adopt any other remedies which may be appropriate.

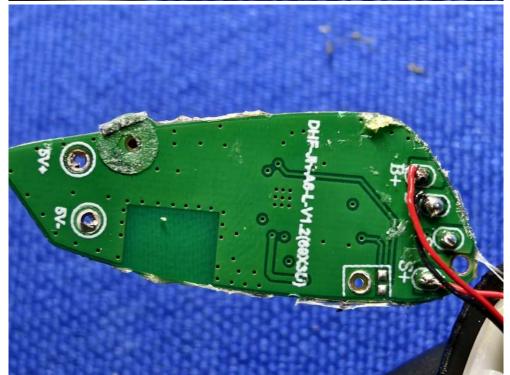
Report No.: TW2412112E

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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: 2024-12-25



Outside View - Right earphone



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

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Inside View - Right earphone





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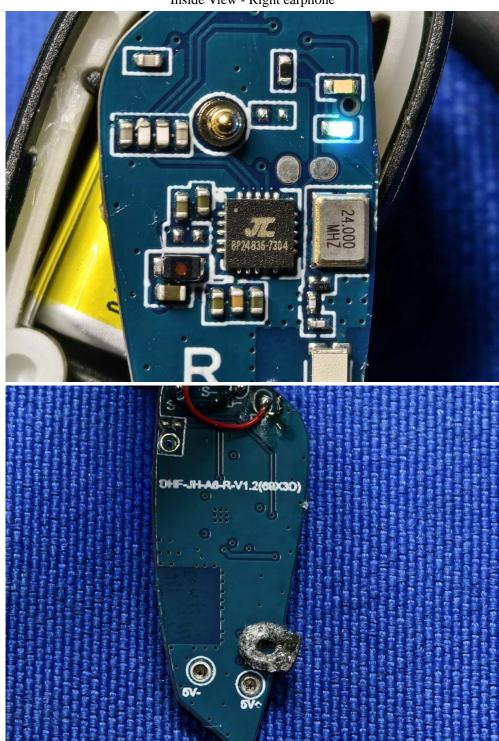
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Inside View - Right earphone



-- End of the report--

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