

Report No.: TWN2507394E

Applicant: CG Mobile SAS

Product: Wireless earphones

Model No.: L237 GUTWST1LPSREK (see the page 4 for additional

models)

Trademark: Hello Kitty, GUESS, DKNY

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

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

Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Terry Tang

Manager

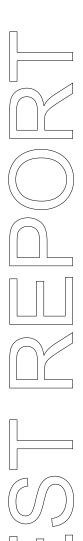
Dated: July 09, 2025

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

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Report No.: TWN2507394E Page 2 of 76

Date: 2025-07-09



## **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

Report No.: TWN2507394E

Date: 2025-07-09



# Test Report Conclusion

#### Content 1.0 General Details..... 1.1 Test Lab Details.... Applicant Details..... 1.2 4 1.3 Description of EUT .... 4 1.4 Submitted Sample.... 4 Test Duration. 1.5 5 1.6 5 Test Uncertainty. 1.7 Test By..... 5 List of Measurement Equipment..... 2.0 6 3.0 7 Technical Details..... 3.1 Summary of Test Results.... 7 3.2 7 Test Standards.... 4.0 EUT Modification. 7 Power Line Conducted Emission Test.... 5.0 8 Schematics of the Test..... 5.1 8 5.2 Test Method and Test Procedure. Configuration of the EUT..... 5.3 5.4 EUT Operating Condition. Conducted Emission Limit. 9 5.5 5.6 Test Result. 6.0 Radiated Emission test.... 12 Test Method and Test Procedure. 6.1 12 6.2 Configuration of the EUT..... 13 6.3 EUT Operation Condition. 13 Radiated Emission Limit. 6.4 13 Test Result..... 6.5 15 7.0 Band Edge 23 7.1 Test Method and Test Procedure. 31 7.2 Radiated Test Setup. 31 7.3 Configuration of the EUT.... 31 7.4 EUT Operating Condition. 31 7.5 Band Edge Limit..... 31 7.6 Band Edge Test Result. 32 8.0 Antenna Requirement 40 20dB bandwidth measurement.... 9.0 41 FCC ID Label..... 10.0 60

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: 2025-07-09



#### 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 States

Registration Number: 744189 For 3m Anechoic Chamber

#### 1.2 Applicant Details

Applicant: CG Mobile SAS
Address: 39 rue de Courcelles

P.O.Box 75008, Paris,75008 France

#### 1.3 Description of EUT

Product: Wireless earphones

Manufacturer: Shenzhen XinHuaMei Electronics Co., Ltd.

Address: 5th Floor, Building 10, Longbi Industrial Park, Dafa Road, Bantian, Longgang,

Shenzhen, Guangdong, China

Trademark: Hello Kitty, GUESS, DKNY Model Number: L237 GUTWST1LPSREK

Additional Model Name L237 GUTWST1LPSREG, L237 GUTWST1LPSREH,

L237 GUTWST1LPSRER, L237 GUTWST1LPSREU, L237 GUTWST1LPSREP, L237 HKTWST1LPSREG, L237 HKTWST1LPSREK, L237 HKTWST1LPSREH, L237 HKTWST1LPSRER, L237 HKTWST1LPSREP, L237 HKTWST1LPSREU, L237 DKTWST1LPSREG, L237 DKTWST1LPSREK, L237 DKTWST1LPSREH, L237 DKTWST1LPSRER, L237 DKTWST1LPSREP,

L237 DKTWST1LPSREU

Rating: Input: DC5V, 300mA

Battery: DC3.7V, 25mAh Li-ion battery for earphones and Built-in DC3.7V, 300mAh

Li-ion battery for charger base.

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Report No.: TWN2507394E Page 5 of 76

Date: 2025-07-09



Serial No.: N/A Hardware Version: V1 Software Version: V1

Operation Frequency: 2402-2480MHz

Modulation Type: GFSK, Л/4DQPSK, 8DPSK

Number of Channels: 79 Channel Separation: 1MHz

Antenna Designation Chip antenna with gain 2.7dBi maximum for left and right earphones (Get from

the antenna specification)

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2025-07-03 to 2025-07-09

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

Andy - xing

Page 6 of 76

Report No.: TWN2507394E

Date: 2025-07-09



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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Page 7 of 76

Report No.: TWN2507394E

Date: 2025-07-09



#### 3.0 Technical Details

## 3.1 Summary of test results

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

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

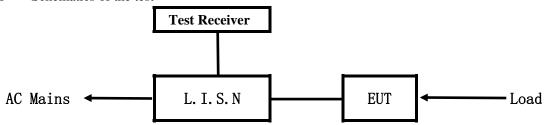
Report No.: TWN2507394E

Date: 2025-07-09



#### 5.0 Power Line Conducted Emission Test

## 5.1 Schematics of the test

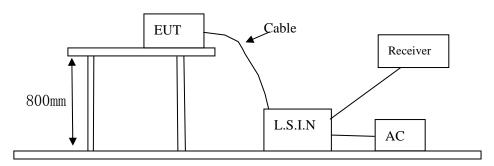


**EUT: Equipment Under Test** 

#### 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	
Wireless combones	Shenzhen XinHuaMei	L237 GUTWST1LPSREK (see	2A7J2-TWSL237	
Wireless earphones	Electronics Co., Ltd.	the page 4 for additional models)	ZA/JZ-1 W SLZ5/	

## B. Internal Device

Device	Device Manufacturer		FCC ID/DOC
N/A			

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Page 9 of 76

Date: 2025-07-09

Report No.: TWN2507394E



## C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	CDQ02ZM	Input: 100-240V~, 50/60Hz, 1.2A;
			Output: DC5V, 3A; DC9V, 3A; DC12V,
			3A; DC15V, 3A; DC20V, 2.25A;

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:

Date: 2025-07-09



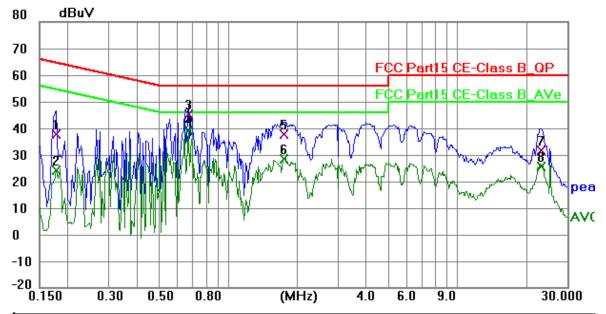
## A: Conducted Emission on Live Terminal (150kHz to 30MHz)

#### **EUT Operating Environment**

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

**EUT set Condition: Charging and Communication by BT** 

**Results: Pass** 



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1773	27.51	10.33	37.84	64.61	-26.77	QP	Р
2	0.1773	13.65	10.33	23.98	54.61	-30.63	AVG	Р
3	0.6687	34.59	10.45	45.04	56.00	-10.96	QP	П
4	0.6687	28.61	10.45	39.06	46.00	-6.94	AVG	Р
5	1.7451	26.47	11.11	37.58	56.00	-18.42	QP	А
6	1.7451	17.26	11.11	28.37	46.00	-17.63	AVG	Р
7	23.1864	16.02	15.74	31.76	60.00	-28.24	QP	Р
8	23.1864	9.79	15.74	25.53	50.00	-24.47	AVG	Р

Date: 2025-07-09



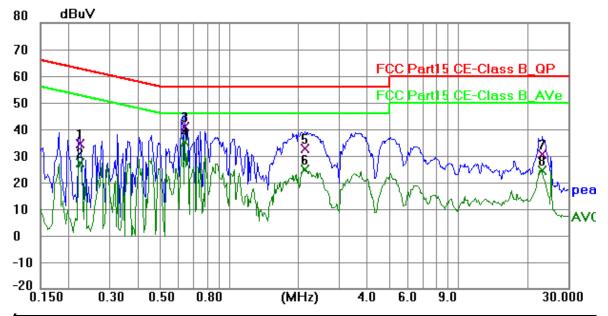
## B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

## **EUT Operating Environment**

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

EUT set Condition: Charging and Communication by BT

**Results: Pass** 



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2241	23.99	10.33	34.32	62.67	-28.35	QP	Р
2	0.2241	17.15	10.33	27.48	52.67	-25.19	AVG	Р
3	0.6375	30.28	10.44	40.72	56.00	-15.28	QP	Р
4	0.6375	24.67	10.44	35.11	46.00	-10.89	AVG	Р
5	2.1351	21.44	11.37	32.81	56.00	-23.19	QP	Р
6	2.1351	13.36	11.37	24.73	46.00	-21.27	AVG	Р
7	23.2371	14.89	15.73	30.62	60.00	-29.38	QP	Р
8	23.2371	8.60	15.73	24.33	50.00	-25.67	AVG	Р

Page 12 of 76

Report No.: TWN2507394E

Date: 2025-07-09



#### **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:

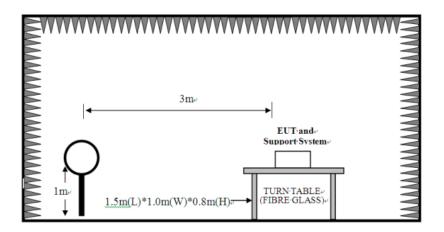
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

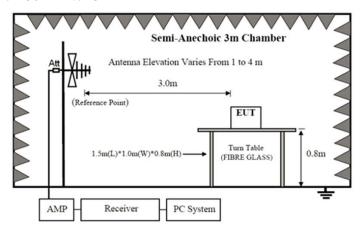


Report No.: TWN2507394E

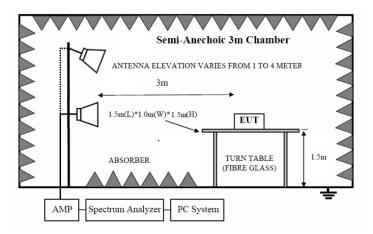
Date: 2025-07-09



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:

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 § 15.209, whichever is the lesser attenuation.

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

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Report No.: TWN2507394E Page 14 of 76

Date: 2025-07-09



Fundamental Frequency	Field Stre	ength of Fundame	ntal (3m)	Field S	trength of Harmo	nics (3m)
(MHz)	mV/m	dBu	V/m	uV/m	dBu	V/m
2400-2483.5	50	94 (Average) 114 (Peak)			54 (Average)	74 (Peak)

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.

#### В. 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 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 three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK 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

Report No.: TWN2507394E Page 15 of 76

Date: 2025-07-09



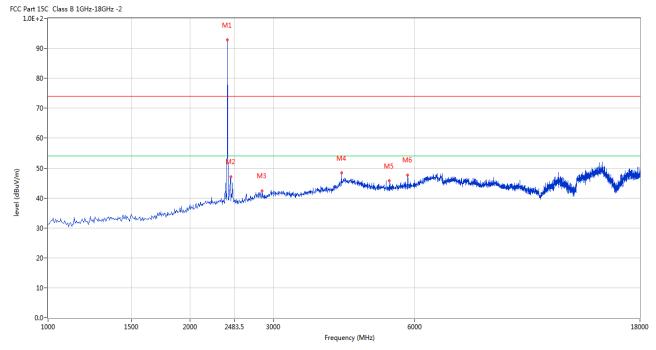
#### 6.5 Test result

## A Fundamental & Harmonics Radiated Emission Data

## **Left Part**

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

#### Horizontal



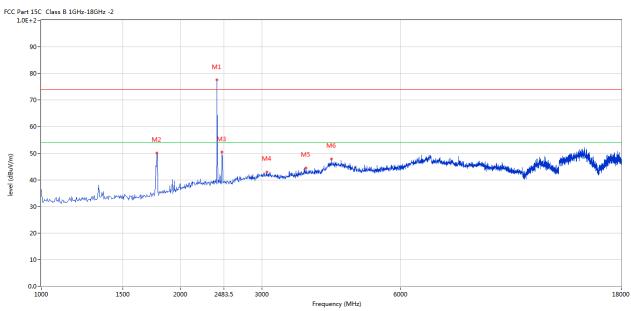
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	92.77	-3.57	114.0	-21.23	Peak	195.00	100	Horizontal	Pass
2	2440.390	47.16	-3.57	74.0	-26.84	Peak	3.00	100	Horizontal	Pass
3	2844.039	42.30	-2.69	74.0	-31.70	Peak	86.00	100	Horizontal	Pass
4	4190.952	48.40	1.58	74.0	-25.60	Peak	122.00	100	Horizontal	Pass
5	5295.676	45.74	3.49	74.0	-28.26	Peak	294.00	100	Horizontal	Pass
6	5792.802	47.69	3.83	74.0	-26.31	Peak	75.00	100	Horizontal	Pass

Report No.: TWN2507394E Page 16 of 76

Date: 2025-07-09



#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	77.51	-3.57	114.0	-36.49	Peak	42.00	100	Vertical	Pass
2	1777.556	50.14	-6.98	74.0	-23.86	Peak	4.00	100	Vertical	Pass
3	2461.635	50.56	-3.57	74.0	-23.44	Peak	109.00	100	Vertical	Pass
4	3077.731	42.93	-2.29	74.0	-31.07	Peak	67.00	100	Vertical	Pass
5	3740.565	44.43	-0.01	74.0	-29.57	Peak	26.00	100	Vertical	Pass
6	4250.437	47.92	1.72	74.0	-26.08	Peak	20.00	100	Vertical	Pass

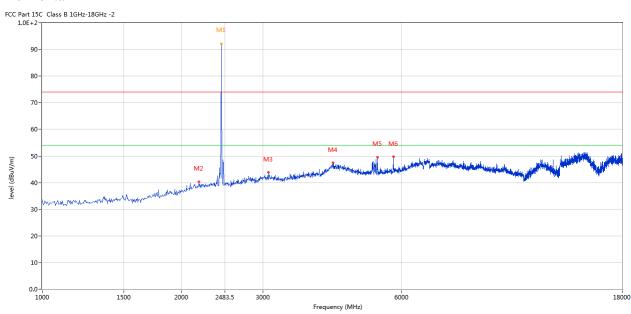
Report No.: TWN2507394E Page 17 of 76

Date: 2025-07-09



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

#### **Horizontal**



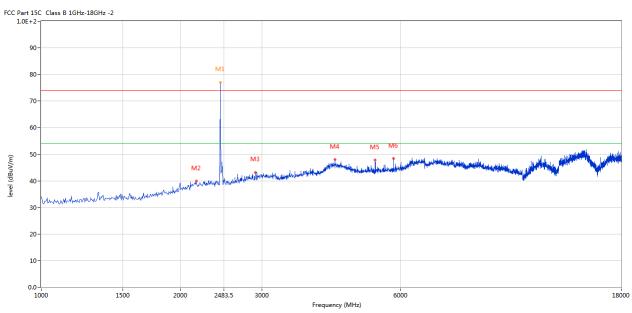
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	92.07	-3.57	114.0	-21.93	Peak	238.00	100	Horizontal	Pass
2	2181.205	40.23	-3.43	74.0	-33.77	Peak	133.00	100	Horizontal	Pass
3	3090.477	43.85	-2.24	74.0	-30.15	Peak	217.00	100	Horizontal	Pass
4	4254.686	47.53	1.73	74.0	-26.47	Peak	316.00	100	Horizontal	Pass
5	5316.921	49.44	3.52	74.0	-24.56	Peak	0.00	100	Horizontal	Pass
6	5754.561	49.71	3.83	74.0	-24.29	Peak	360.00	100	Horizontal	Pass

Report No.: TWN2507394E Page 18 of 76

Date: 2025-07-09



#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	77.02	-3.57	114.0	-36.98	Peak	145.00	100	Vertical	Pass
2	2164.209	39.85	-3.60	74.0	-34.15	Peak	176.00	100	Vertical	Pass
3	2907.773	43.14	-2.67	74.0	-30.86	Peak	295.00	100	Vertical	Pass
4	4322.669	47.95	1.88	74.0	-26.05	Peak	344.00	100	Vertical	Pass
5	5282.929	47.91	3.51	74.0	-26.09	Peak	317.00	100	Vertical	Pass
6	5788.553	48.38	3.83	74.0	-25.62	Peak	166.00	100	Vertical	Pass

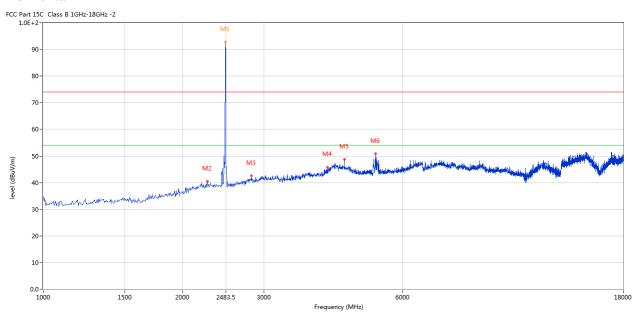
Report No.: TWN2507394E Page 19 of 76

Date: 2025-07-09



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	92.84	-3.57	114.0	-21.16	Peak	249.00	100	Horizontal	Pass
2	2266.183	40.44	-3.21	74.0	-33.56	Peak	238.00	100	Horizontal	Pass
3	2822.794	42.62	-2.69	74.0	-31.38	Peak	122.00	100	Horizontal	Pass
4	4118.720	45.79	1.44	74.0	-28.21	Peak	253.00	100	Horizontal	Pass
5	4488.378	48.74	2.19	74.0	-25.26	Peak	217.00	100	Horizontal	Pass
6	5231.942	50.83	3.59	74.0	-23.17	Peak	232.00	100	Horizontal	Pass

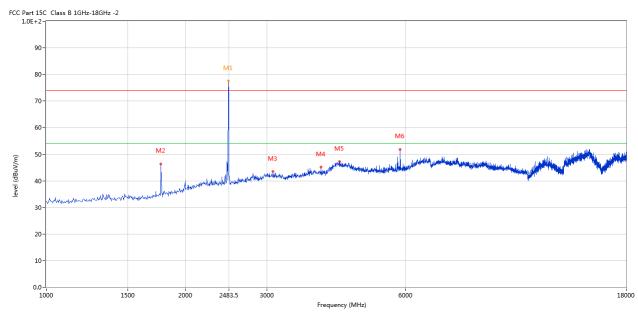
Page 20 of 76

Report No.: TWN2507394E

Date: 2025-07-09



#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	77.67	-3.57	114.0	-36.33	Peak	294.00	100	Vertical	Pass
2	1769.058	46.36	-7.05	74.0	-27.64	Peak	74.00	100	Vertical	Pass
3	3094.726	43.45	-2.22	74.0	-30.55	Peak	266.00	100	Vertical	Pass
4	3936.016	45.21	0.95	74.0	-28.79	Peak	241.00	100	Vertical	Pass
5	4309.923	47.19	1.86	74.0	-26.81	Peak	95.00	100	Vertical	Pass
6	5835.291	51.81	3.82	74.0	-22.19	Peak	10.00	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.

Report No.: TWN2507394E Page 21 of 76

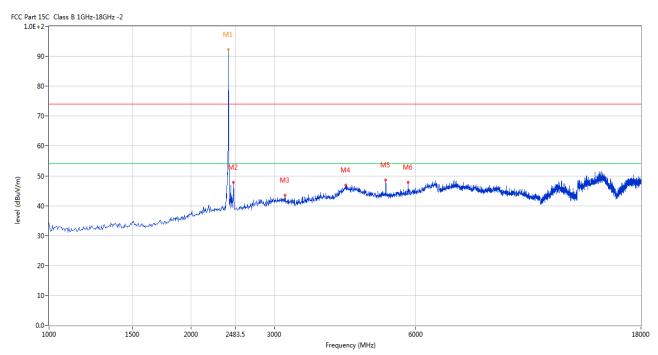
Date: 2025-07-09



#### **Right Part**

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

#### Horizontal



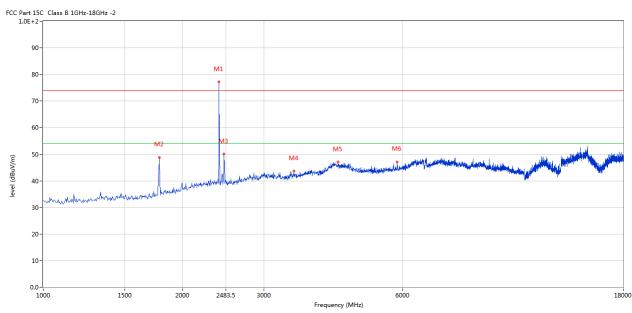
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	92.29	-3.57	114.0	-21.71	Peak	249.00	100	Horizontal	Pass
2	2461.635	47.76	-3.57	74.0	-26.24	Peak	323.00	100	Horizontal	Pass
3	3166.958	43.47	-2.04	74.0	-30.53	Peak	129.00	100	Horizontal	Pass
4	4258.935	46.99	1.74	74.0	-27.01	Peak	177.00	100	Horizontal	Pass
5	5176.706	48.64	3.68	74.0	-25.36	Peak	212.00	100	Horizontal	Pass
6	5775.806	47.87	3.83	74.0	-26.13	Peak	307.00	100	Horizontal	Pass

Report No.: TWN2507394E Page 22 of 76

Date: 2025-07-09



#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	77.17	-3.57	114.0	-36.83	Peak	148.00	100	Vertical	Pass
2	1781.805	48.81	-6.95	74.0	-25.19	Peak	85.00	100	Vertical	Pass
3	2461.635	50.03	-3.57	74.0	-23.97	Peak	352.00	100	Vertical	Pass
4	3485.629	43.61	-1.19	74.0	-30.39	Peak	74.00	100	Vertical	Pass
5	4348.163	47.01	1.92	74.0	-26.99	Peak	263.00	100	Vertical	Pass
6	5835.291	47.17	3.82	74.0	-26.83	Peak	121.00	100	Vertical	Pass

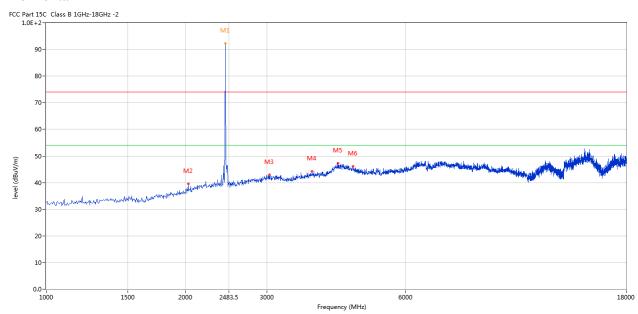
Report No.: TWN2507394E Page 23 of 76

Date: 2025-07-09



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

#### **Horizontal**



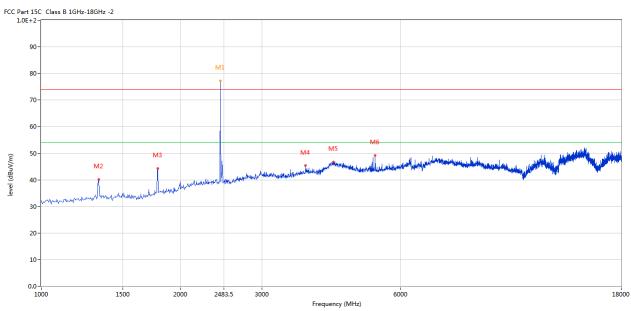
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	92.23	-3.57	114.0	-21.77	Peak	252.00	100	Horizontal	Pass
2	2028.243	39.59	-4.87	74.0	-34.41	Peak	285.00	100	Horizontal	Pass
3	3043.739	42.95	-2.45	74.0	-31.05	Peak	196.00	100	Horizontal	Pass
4	3761.810	44.23	0.11	74.0	-29.77	Peak	290.00	100	Horizontal	Pass
5	4275.931	47.19	1.78	74.0	-26.81	Peak	246.00	100	Horizontal	Pass
6	4615.846	46.16	2.61	74.0	-27.84	Peak	224.00	100	Horizontal	Pass

Report No.: TWN2507394E Page 24 of 76

Date: 2025-07-09



#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	77.14	-3.57	114.0	-36.86	Peak	133.00	100	Vertical	Pass
2	1331.417	40.19	-8.21	74.0	-33.81	Peak	11.00	100	Vertical	Pass
3	1786.053	44.33	-6.92	74.0	-29.67	Peak	91.00	100	Vertical	Pass
4	3732.067	45.33	-0.05	74.0	-28.67	Peak	270.00	100	Vertical	Pass
5	4292.927	46.78	1.82	74.0	-27.22	Peak	301.00	100	Vertical	Pass
6	5282.929	49.18	3.51	74.0	-24.82	Peak	223.00	100	Vertical	Pass

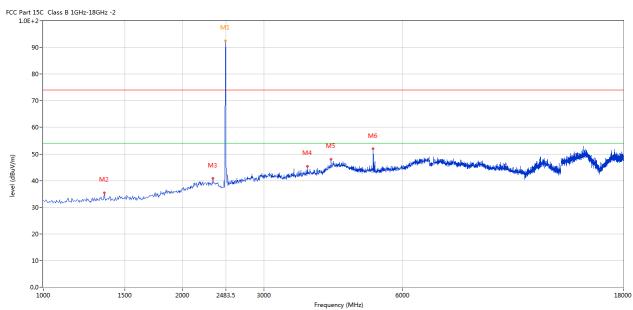
Report No.: TWN2507394E Page 25 of 76

Date: 2025-07-09



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	92.44	-3.57	114.0	-21.56	Peak	77.00	100	Horizontal	Pass
2	1356.911	35.37	-8.20	74.0	-38.63	Peak	83.00	100	Horizontal	Pass
3	2329.918	40.81	-3.30	74.0	-33.19	Peak	125.00	100	Horizontal	Pass
4	3727.818	45.45	-0.08	74.0	-28.55	Peak	212.00	100	Horizontal	Pass
5	4195.201	48.07	1.59	74.0	-25.93	Peak	150.00	100	Horizontal	Pass
6	5176.706	51.96	3.68	74.0	-22.04	Peak	207.00	100	Horizontal	Pass

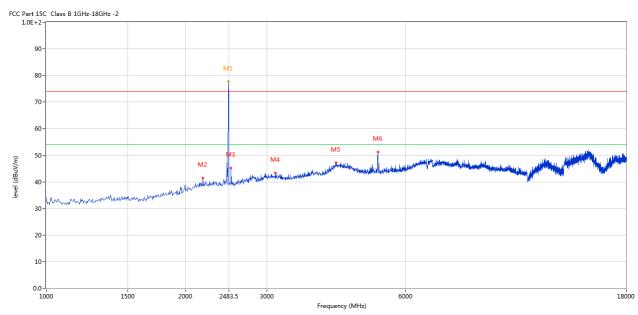
Page 26 of 76

Report No.: TWN2507394E

Date: 2025-07-09



#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	77.72	-3.57	114.0	-36.28	Peak	18.00	100	Vertical	Pass
2	2181.205	41.43	-3.43	74.0	-32.57	Peak	74.00	100	Vertical	Pass
3	2512.622	40.38	-3.54	74.0	-33.62	Peak	332.00	100	Vertical	Pass
4	3137.216	43.37	-2.11	74.0	-30.63	Peak	115.00	100	Vertical	Pass
5	4241.940	47.24	1.70	74.0	-26.76	Peak	65.00	100	Vertical	Pass
6	5219.195	51.24	3.61	74.0	-22.76	Peak	305.00	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.

Report No.: TWN2507394E Page 27 of 76

Date: 2025-07-09



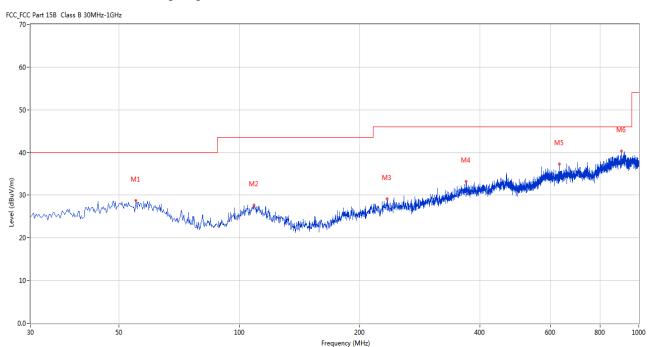
#### B. General Radiated Emission Data

#### **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	54.971	28.78	-5.13	40.0	11.22	Peak	184.00	100	Horizontal	Pass
2	108.793	27.74	-5.98	43.5	15.76	Peak	360.00	100	Horizontal	Pass
3	234.376	29.13	-5.33	46.0	16.87	Peak	235.00	100	Horizontal	Pass
4	369.173	33.26	-1.72	46.0	12.74	Peak	315.00	100	Horizontal	Pass
5	632.462	37.30	1.43	46.0	8.70	Peak	129.00	100	Horizontal	Pass
6	905.691	40.35	4.98	46.0	5.65	Peak	295.00	100	Horizontal	Pass

Report No.: TWN2507394E Page 28 of 76

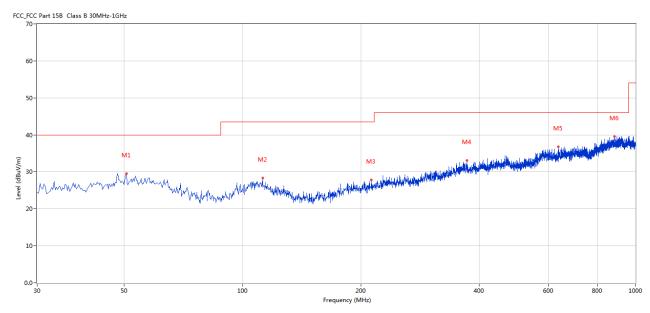
Date: 2025-07-09



## 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	50.607	29.57	-5.08	40.0	10.43	Peak	182.00	100	Vertical	Pass
2	112.429	28.36	-6.23	43.5	15.14	Peak	342.00	100	Vertical	Pass
3	212.557	27.78	-6.91	43.5	15.72	Peak	203.00	100	Vertical	Pass
4	372.809	33.06	-1.84	46.0	12.94	Peak	327.00	100	Vertical	Pass
5	637.068	36.80	1.52	46.0	9.20	Peak	266.00	100	Vertical	Pass
6	884.356	39.59	4.91	46.0	6.41	Peak	177.00	100	Vertical	Pass

Report No.: TWN2507394E Page 29 of 76

Date: 2025-07-09

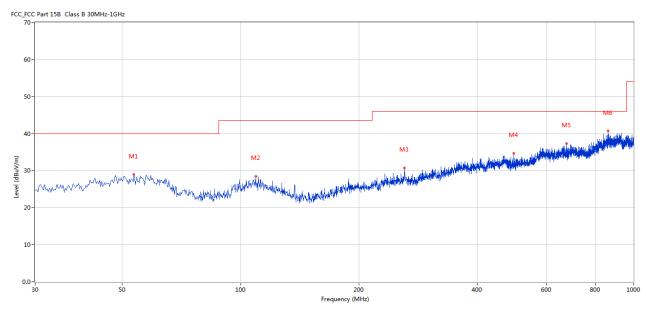


## **Right Part**

## 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	53.517	28.94	-5.12	40.0	11.06	Peak	21.00	100	Horizontal	Pass
2	109.278	28.52	-5.98	43.5	14.98	Peak	336.00	100	Horizontal	Pass
3	261.287	30.69	-4.94	46.0	15.31	Peak	204.00	100	Horizontal	Pass
4	496.453	34.70	-1.12	46.0	11.30	Peak	312.00	100	Horizontal	Pass
5	675.616	37.26	1.81	46.0	8.74	Peak	189.00	100	Horizontal	Pass
6	862.779	40.68	4.89	46.0	5.32	Peak	142.00	100	Horizontal	Pass

Report No.: TWN2507394E Page 30 of 76

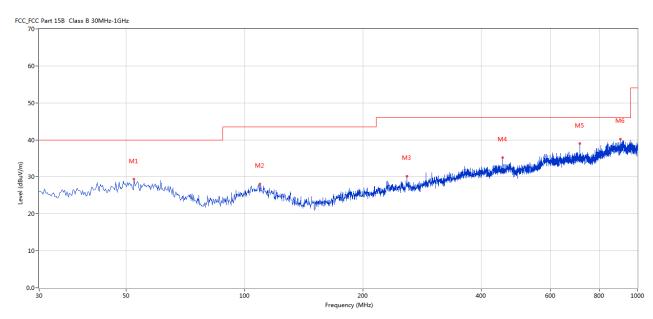
Date: 2025-07-09



## 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	52.304	29.34	-4.88	40.0	10.66	Peak	11.00	100	Vertical	Pass
2	109.278	28.11	-5.98	43.5	15.39	Peak	170.00	100	Vertical	Pass
3	258.863	30.23	-4.89	46.0	15.77	Peak	359.00	100	Vertical	Pass
4	454.026	35.26	-0.87	46.0	10.74	Peak	304.00	100	Vertical	Pass
5	713.194	38.97	2.17	46.0	7.03	Peak	334.00	100	Vertical	Pass
6	905.934	40.16	5.01	46.0	5.84	Peak	278.00	100	Vertical	Pass

Report No.: TWN2507394E

Date: 2025-07-09

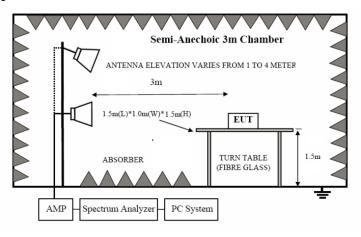


#### 7. Band Edge

#### 7.1 Test Method and test Procedure:

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

## 7. 2 Radiated Test Setup



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

## 7.3 Configuration of the EUT

Same as section 5.3 of this report

## 7.4 EUT Operating Condition

Same as section 5.4 of this report.

#### 7.5 Band Edge Limit

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

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

Report No.: TWN2507394E

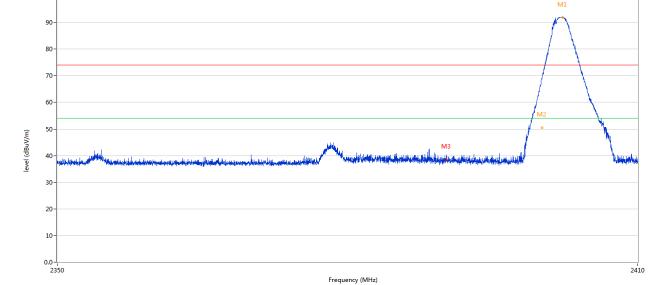
Date: 2025-07-09



Page 32 of 76

## 7.6 Test Result

Left Part			
Product:	Wireless earphones	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-18GHz -2 1.0E+2- 90- 80-			M1
ı			



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.172	91.88	-3.57	74.0	17.88	Peak	230.00	100	Horizontal	N/A
2	2400.027	65.59	-3.57	74.0	-8.41	Peak	230.00	100	Horizontal	Pass
2**	2400.027	50.43	-3.57	54.0	-3.57	AV	230.00	100	Horizontal	Pass
3	2390.055	38.51	-3.53	74.0	-35.49	Peak	126.00	100	Horizontal	Pass

Page 33 of 76 Report No.: TWN2507394E

Date: 2025-07-09



]	Product:		Wireless e	arphones		Detect	or		Vertical	
	Mode	F	Keeping Tra	ansmitting		Test Volt	age		DC3.7V	
Te	mperature		24 deg	g. C,		Humid	ity		56% RH	
Те	est Result:		Pas	SS						
CC Par 1.0E	t 15C Class B 1GHz-18GH E+2-	z -2								
	70-							/	M1	
	60-								$\overline{}$	
level (dBuV/m)	50 -  40 -  Interdipenting or the contraction of th	الإراثاث المتعارف المؤامد المؤامر المتعارف المؤامل الم	<del>Milliode</del> and American American and American American and American American and American Americ	deservativitas dans juli kalaksite insert	Mangalitahis diplomenta	M3	idates Militarias (La	M2	The Constitution of the Co	haya i dadabi bi da karasa ka ka
	40	الإسلامان والمرافع الموافعة الموافعة والموافعة	etigid di asasishika, dan fan da galanda da da	de-manistry-dross-i-B-histories-ird	pallifer agad kilopping delphangar di n			M2	- Adver	ing a state of the
	40 - Install the stall that a stall stall that	i Aller Ground School S	ARTICLE ORGANISM OF THE STATE O	Miller and the second s	Frequency (MHz)			M2	- Address	241
	30 - 20 - 0.0	Results	Factor	Miller and the second s	Frequency (MHz)  Over Limit		Table	Height	ANT	1
	40			Michael Carlos C	1	arteria di conseguinti di di	and the property personnel control of the pers	tri-highthus equition of	ANT	1
No.	30 - 20 - 10 - 2350 Frequency	Results	Factor	Limit	Over Limit	arteria di conseguinti di di	Table	Height	ANT	1
No.	40- 30- 20- 10- 0.0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdi N/A Pass
(w//ngp)   lave	30- 20- 10- 2350 Frequency (MHz) 2402.082	Results (dBuV/m) 76.55	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Over Limit (dB) 2.55	Detector Peak	Table (o) 42.00	Height (cm)	Vertical	Verdi N/A

Report No.: TWN2507394E Page 34 of 76

Date: 2025-07-09



P	Product:		Wireless	earphones		P	olarity		Horizont	al
	Mode		Keeping 7	Fransmitting		Test	Voltage		DC3.7V	7
Ter	mperature		24 d	leg. C,		Н	ımidity		56% RF	I
Tes	st Result:		P	Pass						
C Part 15 1.0E+2	5C Class B 1GHz-18GHz	-2								
90			M1							
70	0-		$\neq$							
60	0-		/	<b>Y</b>						
00		<i>f</i>		1						
	0-	No. of the contract of the con		M2	And the second special second	والمتعامل المتعامل ا	particular and the second	ويرا الفائلولوروس كالوام الكرانية	والمرار والمرار والمرار والمراود المراود المرا	hodanniklah
	D	NICOLAN AND AND AND AND AND AND AND AND AND A		M2	Market Market	en an in head and hea		يريا فانتلافوني حام استادات	والمالية المعارض المساولة والمساولة المعارض المساولة المعارض المساولة المسا	hajdanedjistorile
50 40 30		NICOLANDO DE CONTRACTO DE CONTR		M2	Amedical should	and the state of t	. And a hala property.	يبيأ فالموادوس حقيا استلبران	ara kundi senjada, sedir tirang selatan pendelaki di	hophanedistribule
50 40 30 20		majirum, mara na najada pada da		M2	A translation of the	es anich milys, de lue	and hit passessing	alaba da Arbita ka	and had a strong of the last o	ng)andipted
50 40 30 20		Profit in the second second desired by the sec		M2	And the second desirable	લ્યા વ્યવસાય કર્યા છે. જ્યાં અને પ્રાથમિક સ્થાપન સ્થાપન સ્થિત સ્થિત	ergel to be the grant property and the	nelladise eta eta belejaka ker	इस्के के मुक्त के प्रेस के प्	hopheredittlede
30 20 10		Profit instrument Assessment State of the St		M2		en antique de la lace	ergel to be a great property of	nel alled at to Angeleigh I a lead	ુલ્લ ક્ષેત્ર મું ત્યારા તે તમે પેંચ્યુ કર્યા હતા હતા છે. જે તે તમે હતા	2500
30 30 10 0.0 2		Results	Factor		5	Detector	Table	Height	ANT	2500
50 40 30 20 10 0.0 2	0		Factor (dB)	2483.	5 Frequency (MHz)					2500
50 40 30 20 10 0.0 2	Frequency	Results		2483.	5 Frequency (MHz)		Table	Height		2500
50 40 30 20 10	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdi

Page 35 of 76

Report No.: TWN2507394E

Date: 2025-07-09



J	Product:			Wireless e	arphones		Detect	or		Vertical	
	Mode			Keeping Tra	ansmitting		Test Vol	tage		DC3.7V	
Te	mperatu	e		24 deş	g. C,		Humid	ity		56% RH	
Te	est Resul	:		Pas	SS						
	rt 15C Class B 1 E+2-	Hz-18GHz	-2			·					
	90-										
				M:	1						
	80-			M							
	70-			1	-" <b>\</b>						
	60-				''N						
				F 1	urx.						
Œ	50-			1	M <sub>2</sub> M <sub>2</sub>						
(dBuV/m)	50-				W John M2						
level (dBuV/m)	50- 40-	hondrasta ed leg vill	ngale dang bermana na sangka nga kanganana		"	On which the state of places that he specked sections	i di	uhapira (akahidi masi lib	eneralist hipsosphilipensish	والمتارات والمتا	
level (dBuV/m)	50- 40-	den de la constitución de la con	المهرة أجارة المراجعة المعادمة		W My My M	أفرسار والإفاقة والمتالية المتالية والمتالية و	indoord, and ask	ushanperen enterjeske some likke	inairethireithireachthaile ni ith	त्रक्षणं कार्यक्षणः स्थापन्ति । स्थापने स्थापने	eeraalijasi opinind
level (dBuV/m)	50- 40-	honfootteedhyett	angda delif kasar a selakti dadi anyartu.		W My My M2	Marchantiglist apprint planting that he had not promise.	retarbasse de recensible apple	akaperen dekejek ana lib	emirations hiprocript laker as inte	يروموامينا والمراجع المراجع ال	eserando de crista de la compansión de l
level (dBuV/m)	50- 40-	hong national survival	عوله خال المراجعة ا		W My My M	الاسداء البيلاف المساوية المالية المال	etiskung herman Hogade	ada gerten kalla jaja di amed dala	(ત્યાં રહિલ કરિલ કરિલ કરિલ કરિલ કરિલ કરિલ કરિલ કર	anning ditu again go daire again.	
level (dBuV/m)	30- 20-	dos platitus dispetit	المالية الأولى المالية		M2/83	and the second s	reindresse de course de la code	<del>ghype</del> ttyn te <mark>ddyng y bl</mark> ymae thill	inaire Baire Bhirean an Athaige na imh	atritudu agan afiliku agah	an Hoggetti.   A p. e.
level (dBuV/m)	30- 20-	honglesseed by the	ngda dilipina a kutakin di a pulla		2483.	and the second s	etakan kanan da ak	nderford of the second distribution of the secon	ingivelisin plajna propielaisium sieks	anniqualita again go lain ang b	an Hoggetti.   A p. e.
	30- 20-	is discussibilities	Results	Factor	2483.	5	Detector	Table	Height	ANT	2500
	30 - 20 - 10 - 2470	is discussibilities	And the state of t	Factor (dB)	<u> </u>	5 Frequency (MHz)					2500
No.	30- 20- 10- 2470	су	Results		Limit	5 Frequency (MHz)		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 three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

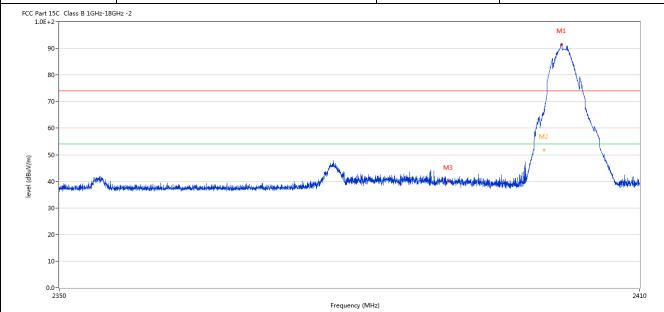
Report No.: TWN2507394E Page 36 of 76

Date: 2025-07-09



## **Right Part**

Product:	Wireless earphones	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)		
1	2401.857	91.54	-3.57	74.0	17.54	Peak	300.00	100	Horizontal	N/A
2	2400.027	67.05	-3.57	74.0	-6.95	Peak	229.00	100	Horizontal	Pass
2**	2400.027	51.87	-3.57	54.0	-2.13	AV	229.00	100	Horizontal	Pass
3	2390.055	40.16	-3.53	74.0	-33.84	Peak	254.00	100	Horizontal	Pass

Page 37 of 76 Report No.: TWN2507394E

Date: 2025-07-09



Product:		Wireless earphones			Detect	or		Vertical		
	Mode Keeping Transmitting			Test Voltage		DC3.7V				
Te	emperature		24 de	g. C,		Humid	ity	56% RH		
Τe	est Result:		Pa	SS						
	rt 15C Class B 1GHz-18G E+2-r	Hz -2								
	90-									
	80-								M1	
	70-							The state of the s	1	
	60-							}	/	
	00-								<u> </u>	
	50-									
(m//m)	50-								-	ı
el (dBuV/m)		والمستعدد والمستعد والمستعدد والمستع	والمراجعة	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	رور وروستان والمراور والمروسة والمراورة	M3	III analogii kalee aasaa	M2		mande Marie Ma
level (dBuV/m)	40-	ahagkadasan saykusid kalandagashi masadashi dig	المتارضية والمتأونة والمتارضة والمتا	aderlagi liberah den orden fransk der ogsøfen fle	Marie de Caracteria de la Calenda de Caracteria de Caracteria de Caracteria de Caracteria de Caracteria de Car		hidanika i jih dabab da dha aya		Na.	
level (dBuV/m)	40 - Administraçõe Administrações de 30 -	drajados en en places de recorde coste de la coste	deriodemografische der in Ann dies	pachi, ilmita wakale da shakare kalunta	Marie ang Pagapang pang di Sinda Albangan		laterik sipt datuk yerdan ma		N.	
level (dBuV/m)	40-	i degge da saan, <sub>d</sub> a ku wil ka pangangan akawa da ka	i garingin magi na misi na ji na ya kun isawa kun	photographical and the Application of the State of the St	Maryanguniy perdiket Arabi		hidank idh da da karlaa na		- Ja	
level (dBuV/m)	40 - Administraçõe Administrações de 30 -	ત્રીના કેટલે જિલ્લા માત્ર ત્રી કર્યા છે. તે કરા કરતા હતા છે. તોનું કરા છે. ત્યારે ત્યારે ત્યારે ત્યારે ત્યારે ત	festigdi-mark misskadifest in 18,40% stell	packy ideal away in Anada picky below 190	Professional Registration of the Confession of t		isingka kanang		•	
level (dBuV/m)	40 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -	i deggi dasa ayan, ada wili kapin paga kempangan dan daga	રે હાર્યકારી ના જાણે તાલુકો અહીં માટે કરાય કરો કરતો કરો. 	photographical architectures	Maria de Carpina de Araba Arab		hilliophe side industria which was			der of the second
level (dBuV/m)	30- 20-	ત્રીના કેટલે જિલ્લા મહત્વન કરવા છે. તેને ત્રાપ્ત કરવા છે. તેને જોઇ તેને ત્રાપ્ત કરવા છે. તેને જોઇ તેને ત્રાપ્ત કરવા છે. તેને જોઇ તેને ત્રાપ્ત કરવા છે. તેને ત્રાપ્ત કરવા છે. તેને ત્રાપ્ત કરવા હતા હતા હતા હતા હતા હતા હતા હતા હતા હત	festigdi-mark misskudd ach mig flach deith		Frequency (MHz)		legiliserik cipit salud see wha maa			2410
NO.	40 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -	Results	Factor				Table		ANT	ı
	40				Frequency (MHz)	anti-tradiți de de de la constitută de la c		- Warrandon o	ANT	1
No.	40- 30- 20- 10- 2350	Results	Factor	Limit	Frequency (MHz)  Over Limit	anti-tradiți de de de la constitută de la c	Table	Height	ANT Vertical	1
No.	30- 20- 10- 0.0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz)  Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdic
	40- 30- 20- 10- 2350  Frequency (MHz)  2401.992	Results (dBuV/m) 76.34	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz)  Over Limit (dB)  2.34	Detector Peak	Table (o) 47.00	Height (cm)	Vertical	Verdic

Report No.: TWN2507394E Page 38 of 76

Date: 2025-07-09



	Product:	Wireless earphones	Polarity	Horizontal
	Mode Keeping Transmittir		Test Voltage	DC3.7V
	Temperature	24 deg. C,	Humidity	56% RH
	Test Result:	Pass		
	art 15C Class B 1GHz-18GHz -2 .0E+2-			
	90-	M1		
	80-			
	70-			
	60-			
(m//n	50-	M <sub>2</sub>		
level (dBuV/m)	40 - Hill Harin hald Haring hald	utanily (the later)	and the contract of the contract of the state of the stat	Markette de the later of the state of the st
_	30-			
	20-			
	10-			
	0.0 - 2470	2483.5		25

No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2479.958	91.37	-3.57	74.0	17.37	Peak	224.00	100	Horizontal	N/A
2	2483.500	57.66	-3.57	74.0	-16.34	Peak	222.86	100	Horizontal	Pass
2**	2483.500	44.51	-3.57	54.0	-9.49	AV	222.86	100	Horizontal	Pass

Frequency (MHz)

Report No.: TWN2507394E Page 39 of 76

Date: 2025-07-09



	Product: Wireless earphones				Detec	tor		Vertical			
	Mode Keeping Transmitting				Test Vo	ltage	DC3.7V				
Te	Temperature 24 deg. C,			g. C,		Humidity			56% RH		
Te	est I	Result:		Pa	SS						
	rt 15C E+2-	Class B 1GHz-18GF	Hz -2			•			•		
	90-										
	80-			N	M1						
	70-				M. A.						
	60-			/							
					<b>X</b>						
	-			-/	7						
uV/m)	50-			f	M <sub>M</sub> M <sub>2</sub>						
evel (dBuV/m)	50-	op op Artista op gewindels gebruigt oo de speke	and the state of t		M <sub>2</sub>	The contract of the state of th	418, <sub>4</sub> 44,44184,414 <sub>4</sub> 41	Letikon folkossinsi ibida Las	Maria de la compansión de	and a laborated and laborated and applications of the second of the seco	M. Lakethian
level (dBuV/m)		عام المراجعة المراجع	and the state of t		MA2	Noncemental Proposition of the light and the	differential de allegan de appropriate de la companya de la companya de la companya de la companya de la compa	Apilipu palussansi bibba dan	institution of the street	haran kanan darah	has her produces
level (dBuV/m)	40-	prophilistic operation and a dispersi	and the state of t		M2	"wave-warmer of the publishing health hough health	hili, qila desilda saligan ba qaya, baq	Agitalon parlate par agit librida di da	ikas aji alawaka kalamana	a the second	ng Lexipolina
level (dBuV/m)	40- 30- 20-	ist of the later was the same of a displace to	ustari ini dipenduk dipengahik pidak girindan men		M2	Angerican and the policy of the latter than the production of the policy of the latter than the policy of the latter than the policy of the latter than the la	tti yak teriki siran bayan ba	. Kiliperpilan sensibilde del	Maria de la descripción de la compansión d	المجارة للقاطاة عدائلة المعارضة	wa, Lawyorki, may
level (dBuV/m)	40- 30-	physiological and a high is	ungan pelanggahan dipangkahan dipangkahan dipangkahan dipangkahan dipangkahan dipangkahan dipangkahan dipangka		M2	Marie amount and the published and shall be a	ti gjetalik sizedi ng ba	taja pika pajidda da	hasian da kasa hasian da kasa kasa kasa kasa kasa kasa kasa k		to heart of the second
level (dBuV/m)	40- 30- 20-		nggapa dinggapa dingg		M2	5	tti nje velik sizveli ezve, bet	. Attifere prince constituted to Anti	Marian Jawa And Mariana	dryfyr i ddyddiffu ac i ddiffu ddiffu ddiffu d	2500
	40- 30- 20- 10- 0.0- 247	770			1	5 Frequency (MHz)					2500
	30- 20- 10- 2477	requency	Results	Factor	Limit	5 Frequency (MHz)	Detector	Table	Height	ANT	2500
No.	30- 20- 10- 0.0- 247	requency	Results (dBuV/m)	(dB)	Limit (dBuV/m)	5 Frequency (MHz)  Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdic
(ω/(μης) level (dBuV/m)	30- 20- 10- 0.0- 247	requency	Results		Limit	5 Frequency (MHz)		Table	Height		

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

2. The three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

Report No.: TWN2507394E Page 40 of 76

Date: 2025-07-09



# 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 2.7dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

Date: 2025-07-09



Page 41 of 76

#### 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

Page 42 of 76

Report No.: TWN2507394E

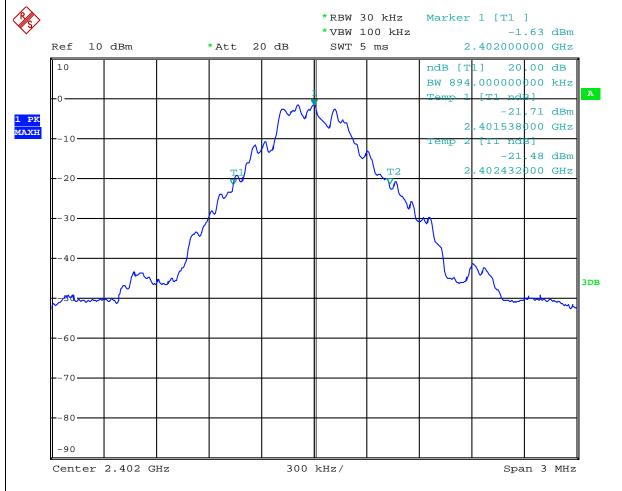
Date: 2025-07-09



#### **Test Result**

### **Left Part**

GFSK			
Product:	Wireless earphones	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	894kHz		



Date: 8.JUL.2025 16:33:22

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

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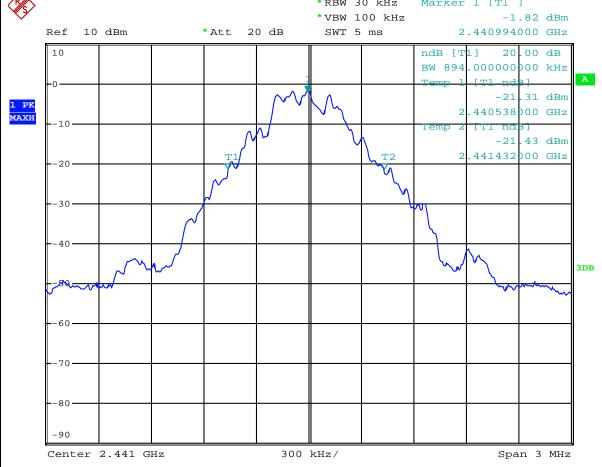
Page 43 of 76

Report No.: TWN2507394E

Date: 2025-07-09



GFSK			
Product:	Wireless earphones	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	894kHz		
	*RBW 30	kHz Marker	1 [T1 ]



Date: 8.JUL.2025 16:24:37

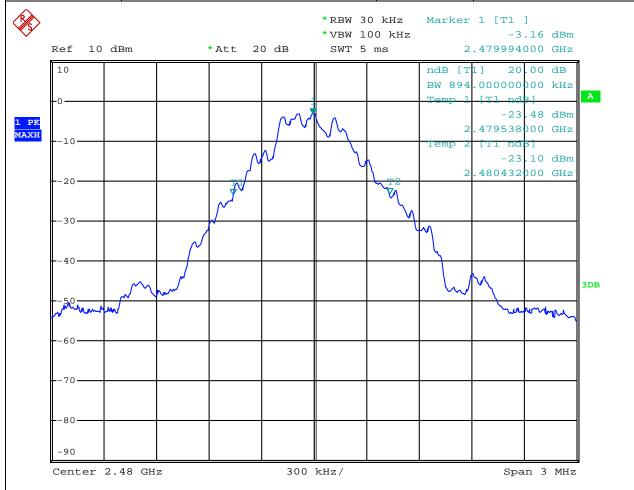
Page 44 of 76

Report No.: TWN2507394E

Date: 2025-07-09



GFSK			
Product:	Wireless earphones	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	894kHz		



Date: 8.JUL.2025 16:23:09

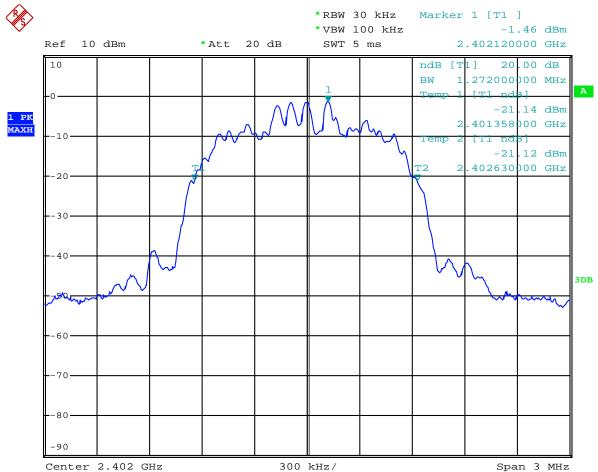
Page 45 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Л/4DQPSK			
Product:	Wireless earphones	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	1.272MHz		



Date: 8.JUL.2025 16:07:25

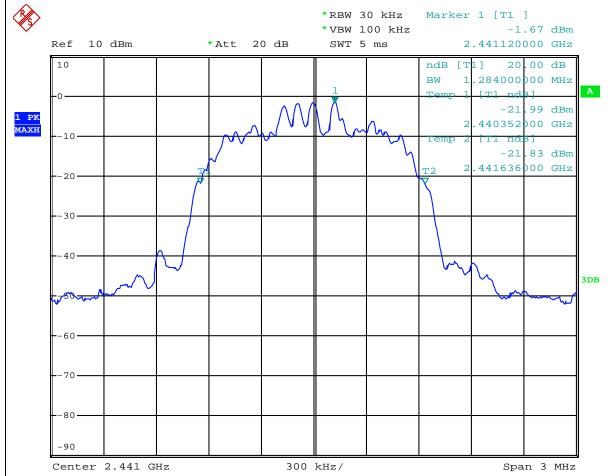
Page 46 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Л/4DQPSK			
Product:	Wireless earphones	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	1.284MHz		



Date: 8.JUL.2025 16:13:01

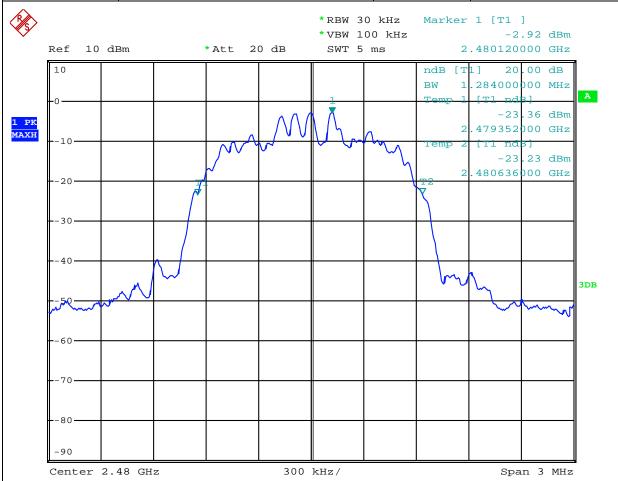
Page 47 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Л/4DQPSK			
Product:	Wireless earphones	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	1.284MHz		



Date: 8.JUL.2025 16:17:52

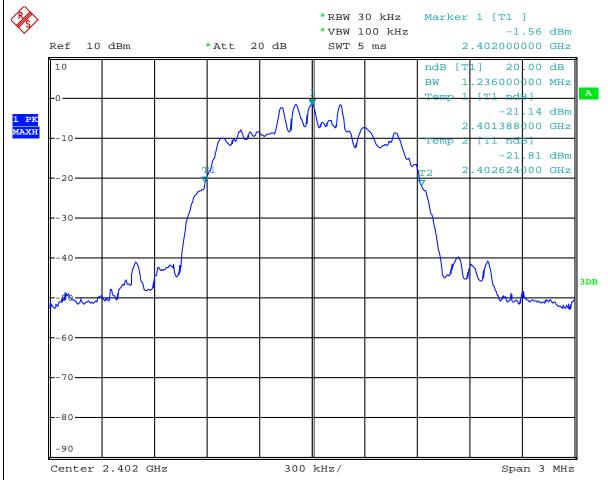
Page 48 of 76

Report No.: TWN2507394E

Date: 2025-07-09



8DPSK			
Product:	Wireless earphones	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		1



Date: 8.JUL.2025 16:01:44

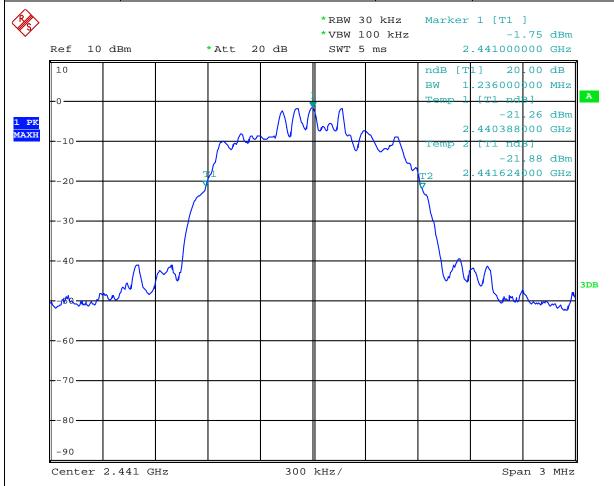
Page 49 of 76

Report No.: TWN2507394E

Date: 2025-07-09



8DPSK			
Product:	Wireless earphones	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: 8.JUL.2025 15:54:43

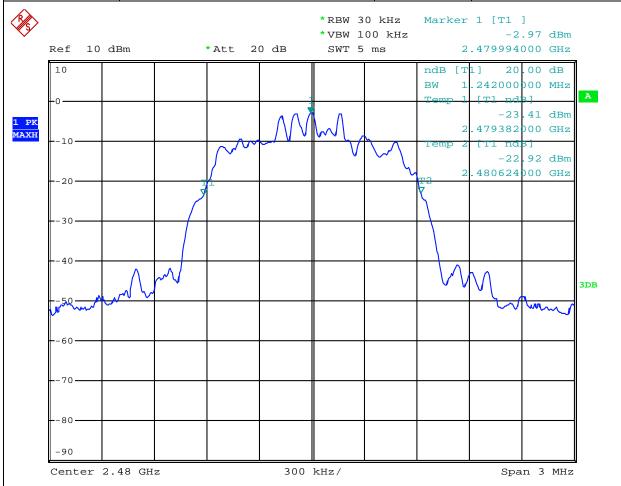
Page 50 of 76

Report No.: TWN2507394E

Date: 2025-07-09



8DPSK			
Product:	Wireless earphones	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	1.242MHz		



Date: 8.JUL.2025 15:47:39

Page 51 of 76

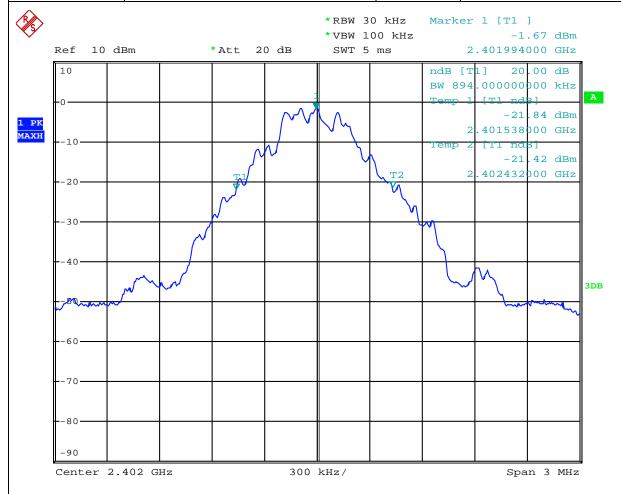
Date: 2025-07-09

Report No.: TWN2507394E



## **Right Part**

GFSK			
Product:	Wireless earphones	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	894kHz		



Date: 8.JUL.2025 16:35:25

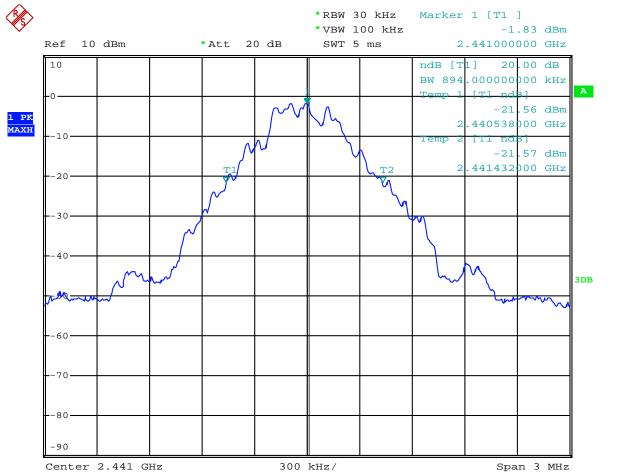
Page 52 of 76

Report No.: TWN2507394E

Date: 2025-07-09



GFSK			
Product:	Wireless earphones	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	894kHz		



Date: 8.JUL.2025 16:25:35

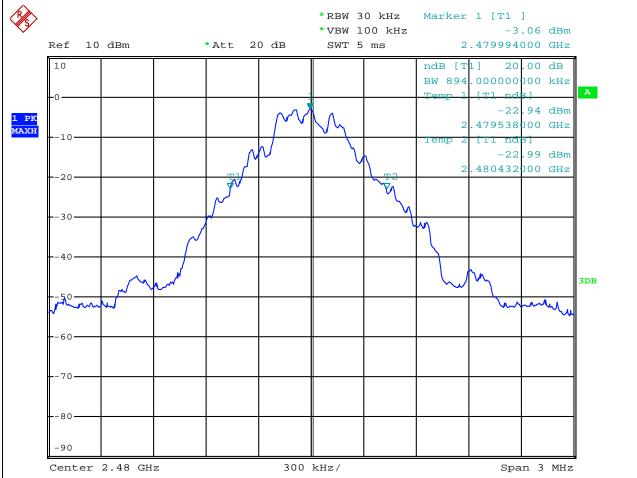
Page 53 of 76

Report No.: TWN2507394E

Date: 2025-07-09



GFSK			
Product:	Wireless earphones	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	894kHz		



Date: 8.JUL.2025 16:22:44

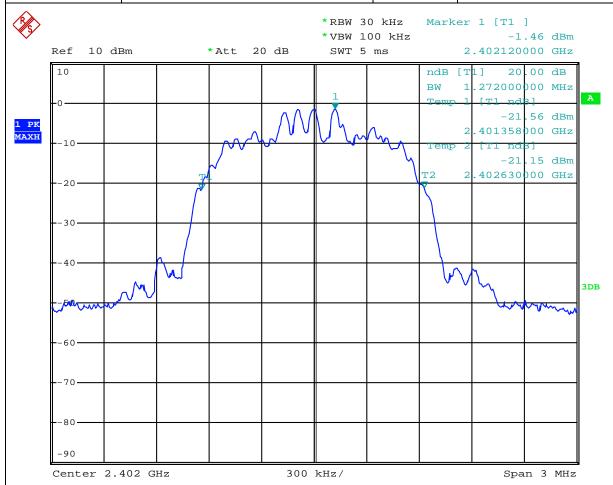
Page 54 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Л/4DQPSK			
Product:	Wireless earphones	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	1.272MHz		



Date: 8.JUL.2025 16:08:19

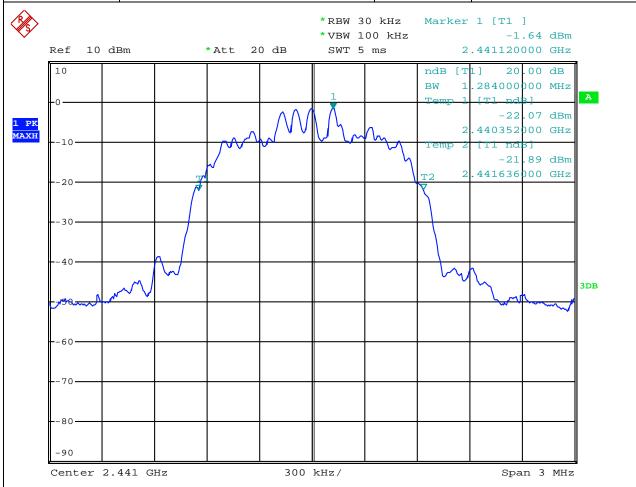
Page 55 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Л/4DQPSK			
Product:	Wireless earphones	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	1.284MHz		



Date: 8.JUL.2025 16:10:52

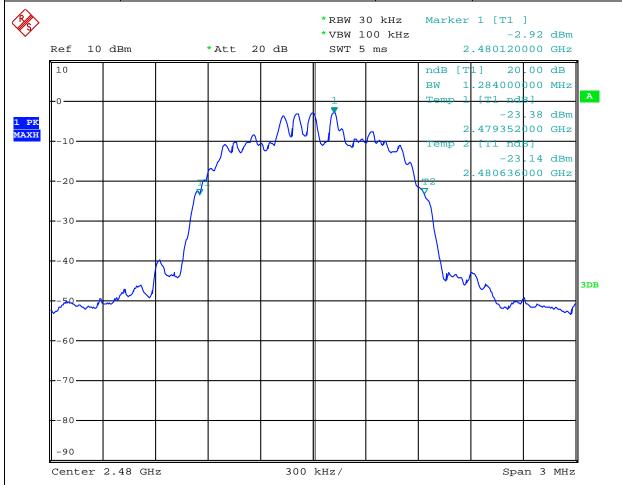
Page 56 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Л/4DQPSK			
Product:	Wireless earphones	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	1.284MHz		



Date: 8.JUL.2025 16:21:55

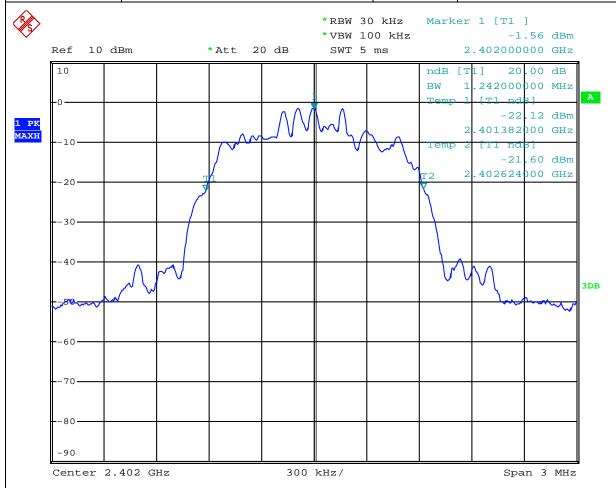
Page 57 of 76

Report No.: TWN2507394E

Date: 2025-07-09



8DPSK			
Product:	Wireless earphones	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	1.242MHz		



Date: 8.JUL.2025 16:01:11

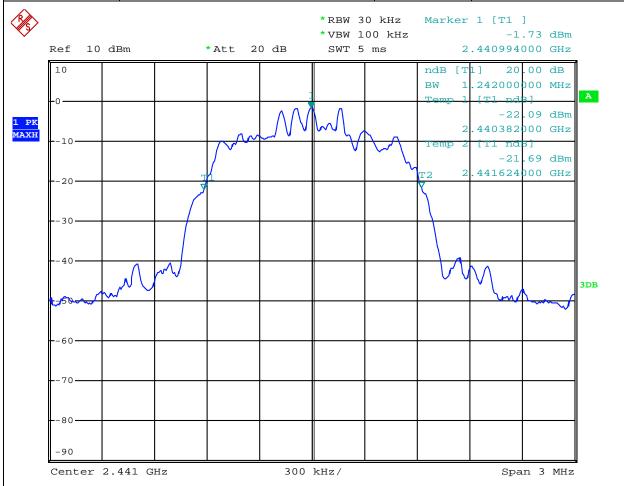
Page 58 of 76

Report No.: TWN2507394E

Date: 2025-07-09



8DPSK			
Product:	Wireless earphones	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	1.242MHz		



Date: 8.JUL.2025 15:59:02

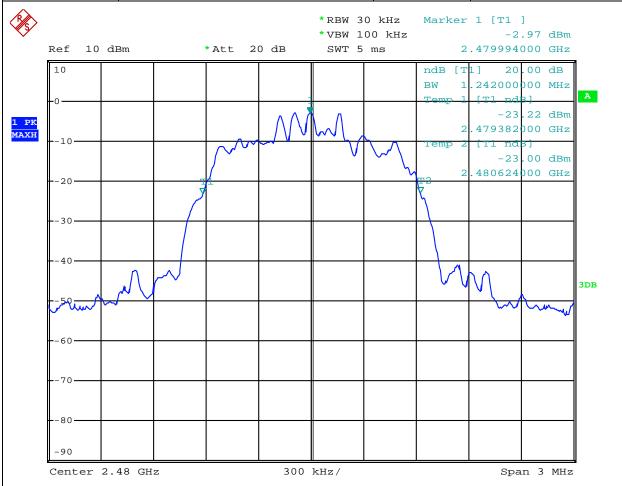
Page 59 of 76

Report No.: TWN2507394E

Date: 2025-07-09



8DPSK			
Product:	Wireless earphones	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	1.242MHz		



Date: 8.JUL.2025 15:49:41

Report No.: TWN2507394E Page 60 of 76

Date: 2025-07-09



### 10.0 FCC ID Label

FCC ID: 2A7J2-TWSL237

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.

Page 61 of 76

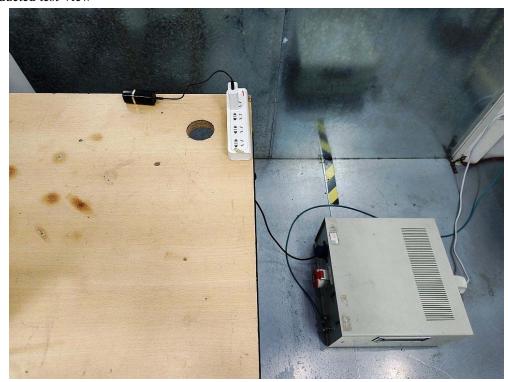
Report No.: TWN2507394E

Date: 2025-07-09



#### 11.0 Photo of testing

#### 11.1 Conducted test View



Page 62 of 76

Report No.: TWN2507394E

Date: 2025-07-09



### Radiated emission test view



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# 11.2 Photographs – EUT

# Outside View- charger base





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Page 64 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Outside View - charger base





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Outside View - charger base





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Inside View - charger base



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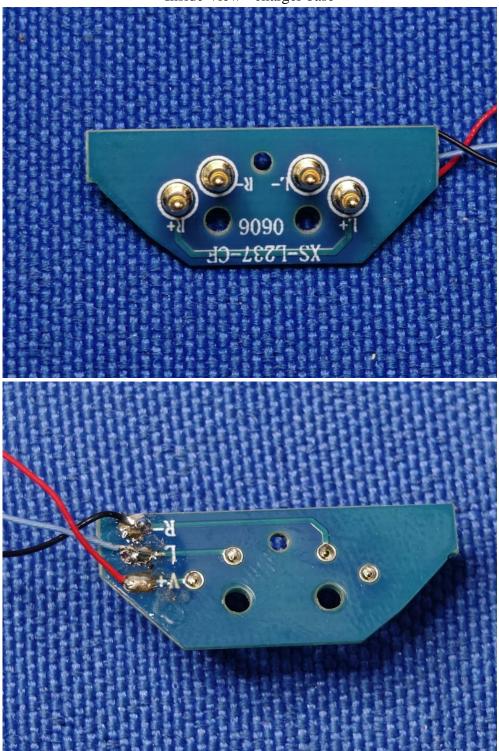
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Inside View - charger base



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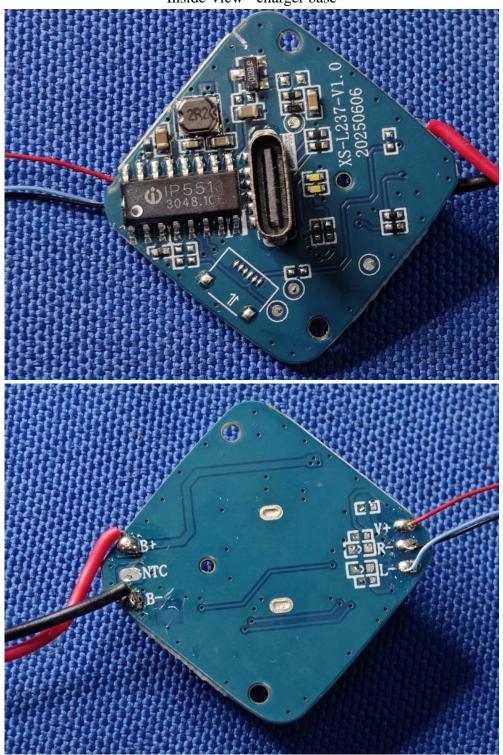
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Inside View - charger base



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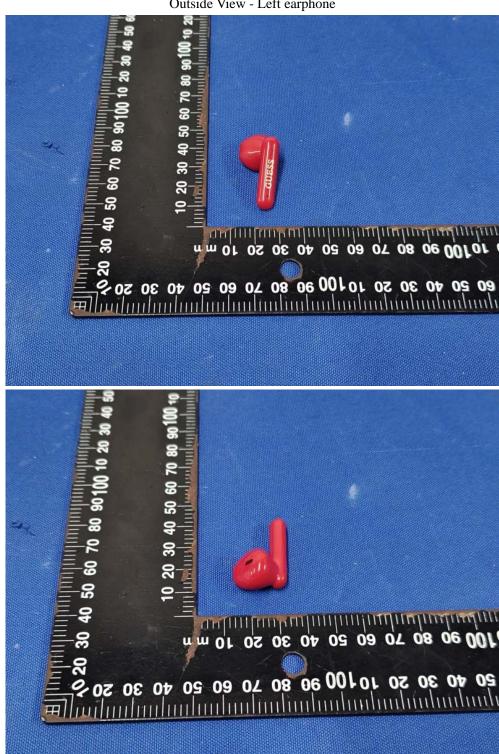
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Outside View - Left earphone



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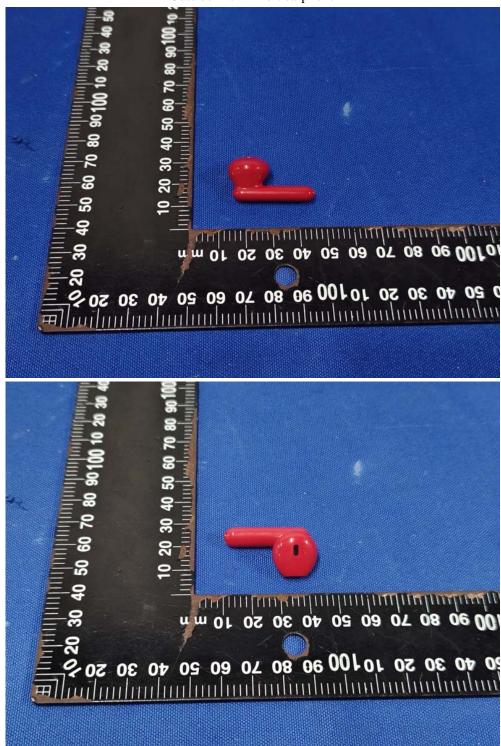
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Report No.: TWN2507394E Page 70 of 76

Date: 2025-07-09



Outside View - Left earphone



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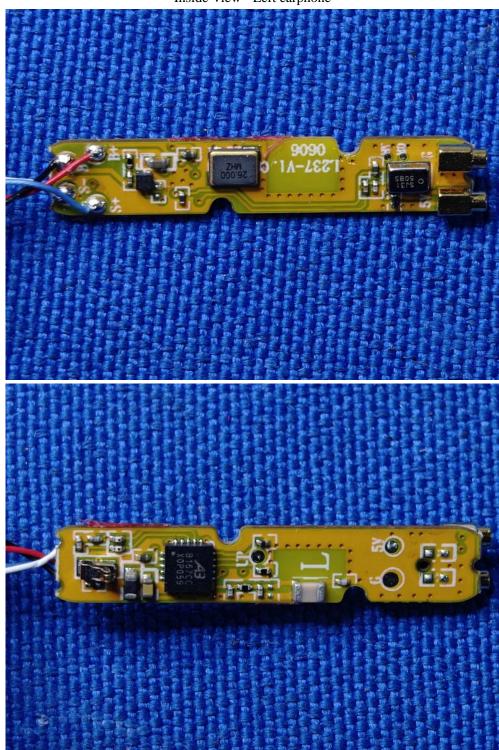
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Inside View - Left earphone



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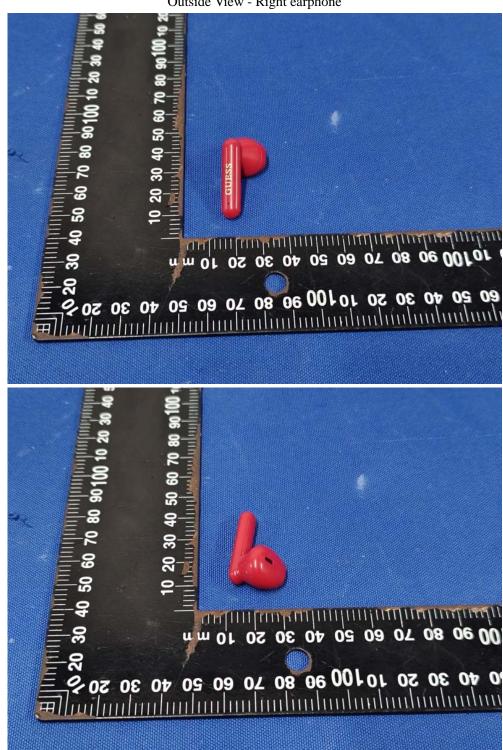
Page 73 of 76

Report No.: TWN2507394E

Date: 2025-07-09



Outside View - Right earphone



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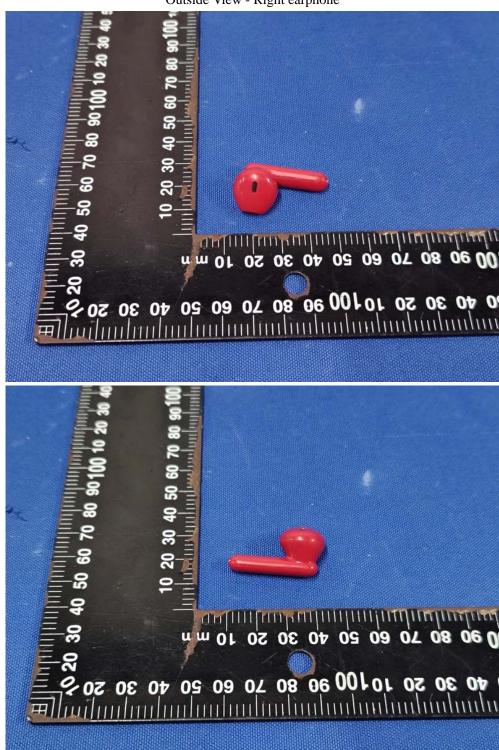
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Outside View - Right earphone



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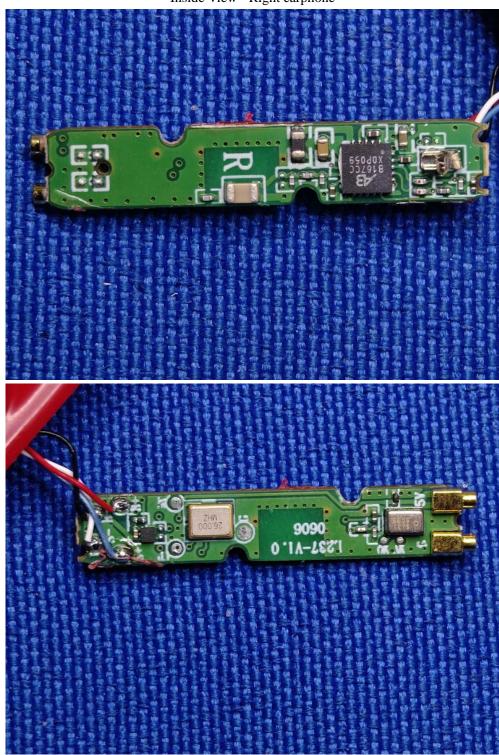
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Inside View - Right earphone



-- End of the report--

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