

Applicant: OXAA Corp.

Product: OXAA PicoOX-2

Model No.: OXSP1210, OXSP1214, OXSP1215

Trademark: **OXAA**

Test Standards: FCC Part 15.249

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

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

electromagnetic compatibility

Approved By

Terry Tang

Manager

Dated: February 18, 2025

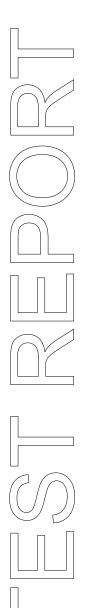
Results appearing herein relate only to the sample tested

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

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



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Date: 2025-02-18



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

Date: 2025-02-18



Test Report Conclusion Content

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

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

Village, Nanshan District, Shenzhen, China

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

Site on File with the Federal Communications Commission – United States

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: OXAA Corp.

Address: 6-3545 Odyssey Dr. Mississauga, Ontario L5M 2S4 Canada

1.3 Description of EUT

Product: OXAA PicoOX-2

Manufacturer: Glory Star Technology Industrial Co., Ltd.

Address: Room2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: OXAA Model Number: OXSP1210

Additional Model Name OXSP1214, OXSP1215 Rating: Input: DC5V, 500mA

Battery: DC3.7V, 1200mAh Li-ion battery

Serial No.: GSP100202503050001

Hardware Version: V1.1 Software Version: V1.1

Operation Frequency: 2402-2480MHz Modulation Type: GFSK, JI/4DQPSK

Number of Channels: 79 Channel Separation: 1MHz

Antenna Designation PCB antenna with gain -0.58dBi maximum (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

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2025-01-13 to 2025-02-18

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	tested accord	ling to the foll	owing specifications:
			o

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

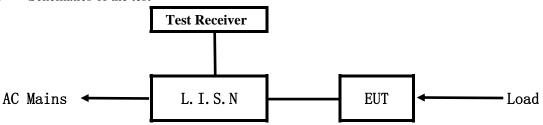
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

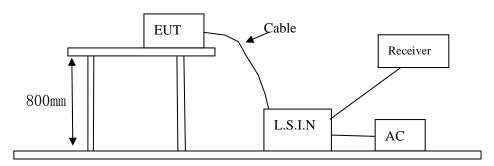


EUT: Equipment Under Test

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
OV A A Di OV 2	Glory Star Technology	OXSP1210, OXSP1214,	ADNIVA DICOOVA
OXAA PicoOX-2	Industrial Co., Ltd.	OXSP1215	2BNYA-PICOOX2

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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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:

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

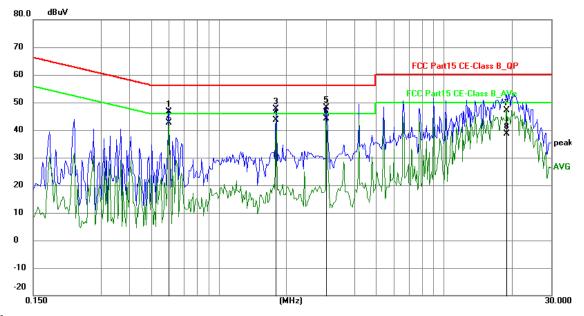
EUT Operating Environment

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

EUT set Condition: Charging and Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.5985	36.19	10.43	46.62	56.00	-9.38	QP	Р
2	0.5985	32.19	10.43	42.62	46.00	-3.38	AVG	Ъ
3	1.7997	36.49	11.16	47.65	56.00	-8.35	QP	Ъ
4	1.7997	32.52	11.16	43.68	46.00	-2.32	AVG	Р
5	3.0039	36.40	11.68	48.08	56.00	-7.92	QP	Р
6	3.0039	32.50	11.68	44.18	46.00	-1.82	AVG	П
7	18.9900	30.86	16.18	47.04	60.00	-12.96	QP	П
8	18.9900	22.52	16.18	38.70	50.00	-11.30	AVG	Р

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

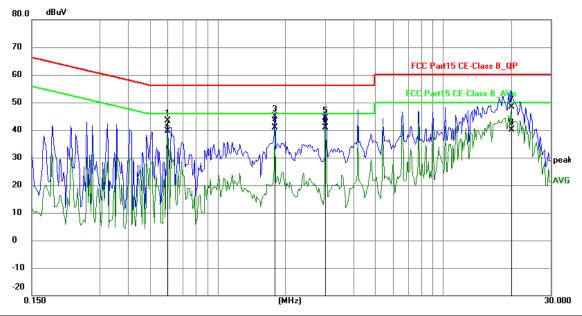
EUT Operating Environment

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

EUT set Condition: Charging and Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.5985	32.88	10.43	43.31	56.00	-12.69	QP	Р
2	0.5985	29.14	10.43	39.57	46.00	-6.43	AVG	Р
3	1.7997	33.70	11.16	44.86	56.00	-11.14	QP	Р
4	1.7997	29.72	11.16	40.88	46.00	-5.12	AVG	Р
5	3.0000	32.61	11.67	44.28	56.00	-11.72	QP	Р
6	3.0000	29.14	11.67	40.81	46.00	-5.19	AVG	Р
7	20.0352	31.83	16.43	48.26	60.00	-11.74	QP	Р
8	20.0352	23.65	16.43	40.08	50.00	-9.92	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:

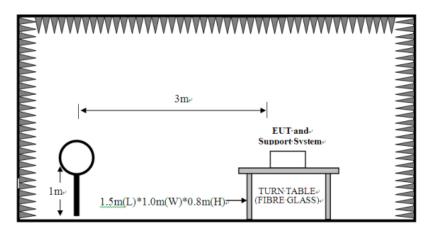
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

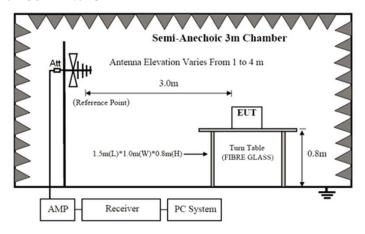
For radiated emissions from 9kHz to 30MHz



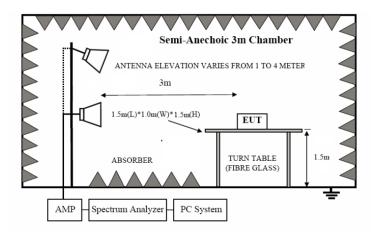
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For radiated emissions from 30MHz to1GHz



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	dBuV/m	uV/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.
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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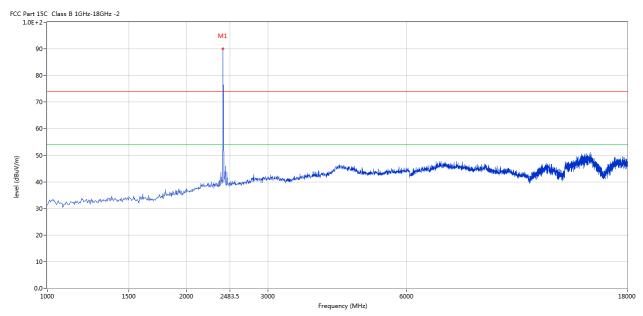


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



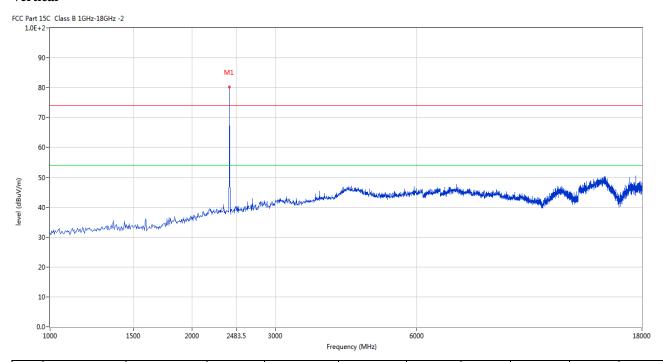
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	90.01	-3.57	114.0	-23.99	Peak	200.00	100	Horizontal	Pass

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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	80.15	-3.57	114.0	-33.85	Peak	95.00	100	Vertical	Pass

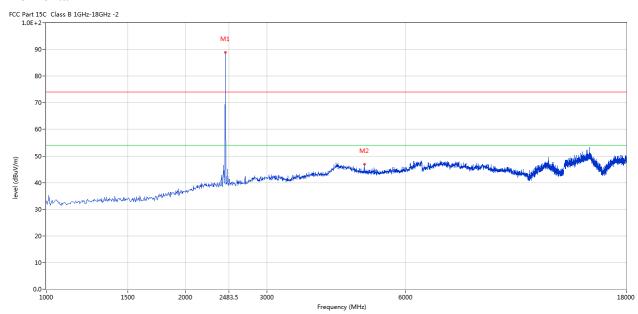
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



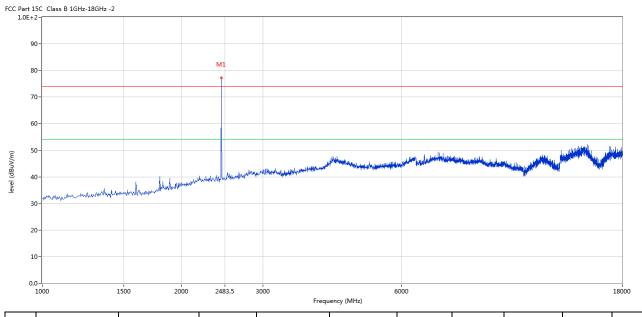
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	88.90	-3.57	114.0	-25.10	Peak	193.00	100	Horizontal	Pass
2	4879.280	46.89	3.20	74.0	-27.11	Peak	210.00	100	Horizontal	Pass

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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	77.25	-3.57	114.0	-36.75	Peak	200.00	100	Vertical	Pass

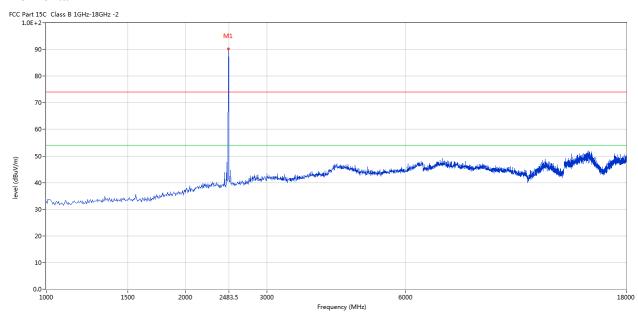
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2480	90.16	-3.57	114.0	-23.84	Peak	195.00	100	Horizontal	Pass

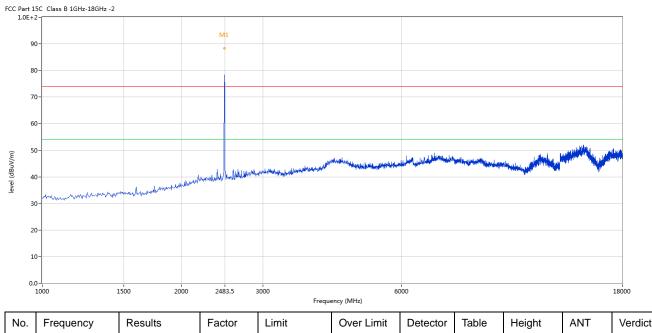
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Vertical



No	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2480	78.41	-3.57	114.0	-35.59	Peak	1.00	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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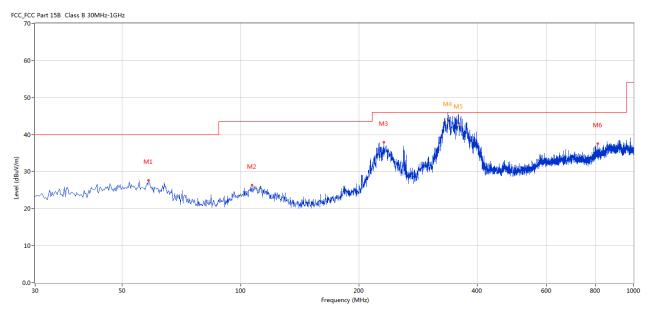


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	58.365	27.70	-5.02	40.0	12.30	Peak	39.00	100	Horizontal	Pass
2	106.853	26.37	-6.12	43.5	17.13	Peak	45.00	100	Horizontal	Pass
3	231.467	38.02	-5.53	46.0	7.98	Peak	314.00	100	Horizontal	Pass
4*	337.413	43.28	-3.10	46.0	2.72	QP	342.00	100	Horizontal	Pass
5*	358.505	42.60	-1.97	46.0	3.40	QP	360.00	100	Horizontal	Pass
6	810.412	37.61	3.39	46.0	8.39	Peak	309.00	100	Horizontal	Pass

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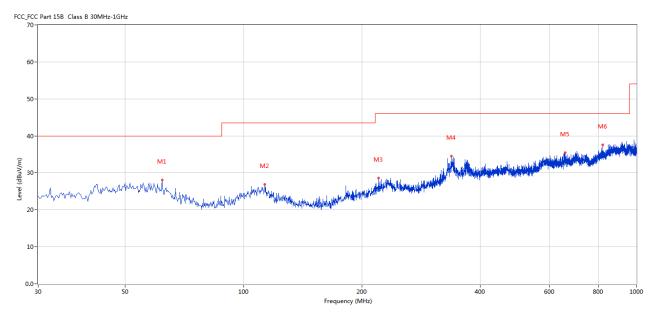


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	62.002	28.03	-5.57	40.0	11.97	Peak	179.00	100	Vertical	Pass
2	113.157	26.95	-6.38	43.5	16.55	Peak	143.00	100	Vertical	Pass
3	220.800	28.57	-6.18	46.0	17.43	Peak	275.00	100	Vertical	Pass
4	337.656	34.49	-3.09	46.0	11.51	Peak	146.00	100	Vertical	Pass
5	657.676	35.52	2.11	46.0	10.48	Peak	242.00	100	Vertical	Pass
6	821.322	37.56	3.83	46.0	8.44	Peak	299.00	100	Vertical	Pass

Date: 2025-02-18

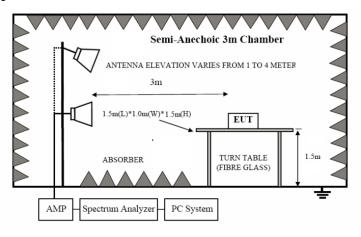


7. Band Edge

7.1 Test Method and test Procedure:

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

7. 2 Radiated Test Setup



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

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

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

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

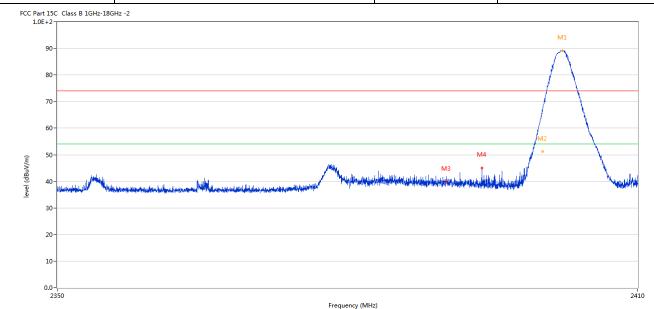
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7.6 Test Result

Product:	OXAA PicoOX-2	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



Verdict No. Limit Over Limit Table ANT Frequency Results Factor Detector Height (MHz) (dBuV/m) (dB) (dBuV/m) (dB) (o) (cm) 2402.127 89.10 -3.5774.0 15.10 Peak 201.00 100 Horizontal N/A 2 -7.75 2400.042 66.25 -3.57 74.0 Peak 201.00 100 Horizontal **Pass** 2** 2400.042 51.20 -3.57 54.0 -2.80 ΑV 201.00 100 Horizontal Pass 3 2390.070 40.00 -3.53 74.0 -34.00 Peak 211.00 100 Horizontal **Pass** 4 2393.729 45.05 -3.54 74.0 -28.95 Peak 181.00 100 Horizontal **Pass**

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Product:		OXAA PicoOX-2 De		Detect	or		Vertical			
	Mode Keep		Keeping Transmitting		Test Vol	tage		DC3.7V		
Te	Temperature 24 deg. C,				Humid	ity	:	56% RH		
Te	est Result:	Pass								
CC Part	t 15C Class B 1GHz-18GF E+2-	z -2								
	90-									
	80-								M1	
									$\overline{}$	
	70-								1	
	60-							<i></i>	$\overline{}$	
	50				M4	N	15	1		
Ê	30-									
dBuV/m)					ak e de e	. , , , , , , , , , , , , , , , , , , ,	للمسايل والمار	M2		
level (dBuV/m)	40-	يسوي عريا فلا إسعاد والمتابع المتابع والمتابع والمتابع والمتابع والمتابع والمتابع والمتابع والمتابع والمتابع والمتابع	olosiatisvije šiekiaiaijstilai priessijstilijenija	hangi i sepelaji dah dilajin fipi dahasa d	the house he had been supplied			M ₁₂	-	ephasifikkanse, bris
level (dBuV/m)		ore, para direction and a single direction in the grant and also direction in the contraction of the contrac	. lysadovije deletate je eleti se razavelije, ale	tetenia vanaksi oleh siikula keleni dimanet	terkendend, beskladie van street			M2 •	, and the second	rajhika jih <mark>jihik</mark> aan sel _e arrah
level (dBuV/m)	40-	propuded in consideration of a literature final deal	. lysiadu ife ddishia fathir ia rasquelfi cibi	helmen in regards for the sales after the later of the same of	and and a ship in the second second	tali mana da ha		**************************************		eded i flee de ente
level (dBuV/m)	30- 20-	૧૧૧૬ કેન્દ્ર તેમનો અન્યત્ર ત્યાં અને કે સંગ્રાગને હોય તેમને ક્ષેત્ર કરવાના હોય દેશાં	n garden er gelek de kalen gelek	teterisi mendefisi de sistende ette de teterisi de teterisi de teterisi de teterisi de teterisi de teterisi de	the hand the section of the section	kalin themat philip		**************************************		esta di <mark>Alemania</mark>
level (dBuV/m)	30-	yaqqa dhahu uuu udood doo da ah qo caqdaddad	·····································	teritoria in segundo findo to antira for a tipo de teritoria en el P	tarken dan kelantan serinda	kalenteenseteeleeleeleeleeleeleeleeleeleeleeleelee		•		indicate il fillione de princ
	30- 20-	પ્રવાદન હીંવતીન અન્ય અને અંત્રે સંગ્ર એક તો કુલ હતા. હતા હોય હીવાં	hijs sirin diga sipi balang di dang ana ang ani bigaba					•		
	40	periodechional inches properties desired in the constant of th	have to be the second of the s		Frequency (MHz)		Toble	Lloight		241
	40- 30- 20- 10- 0.0- 2350	Results	Factor (JD)	Limit	Frequency (MHz) Over Limit	Detector	Table	Height	ANT	241
No.	40- 30- 20- 10- 0.0- 2350 Frequency (MHz)	(dBuV/m)	(dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	(0)	(cm)	ANT	²⁴¹
No.	40- 30- 20- 10- 0.0 2350 Frequency (MHz) 2402.427	(dBuV/m) 79.97	(dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 5.97	Detector Peak	(o) 102.00	(cm)	ANT Vertical	Verdid
No.	40- 30- 20- 10- 0.0- 2350 Frequency (MHz) 2402.427 2400.012	(dBuV/m) 79.97 56.25	(dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0	Frequency (MHz) Over Limit (dB) 5.97 -17.75	Detector Peak Peak	(o) 102.00 232.00	(cm) 100 100	ANT Vertical Vertical	Verdi N/A Pass
No.	40- 30- 20- 10- 0.0- 2350 Frequency (MHz) 2402.427 2400.012 2400.012	(dBuV/m) 79.97 56.25 41.21	(dB) -3.57 -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	Frequency (MHz) Over Limit (dB) 5.97 -17.75 -12.79	Detector Peak Peak AV	(o) 102.00 232.00 232.00	(cm) 100 100 100	ANT Vertical Vertical Vertical	Verdid N/A Pass Pass
No. 1 2 2**	40- 30- 10- 0.0- 2350 Frequency (MHz) 2402.427 2400.012 2400.012 2390.025	(dBuV/m) 79.97 56.25 41.21 37.30	(dB) -3.57 -3.57 -3.57 -3.53	Limit (dBuV/m) 74.0 74.0 54.0	Frequency (MHz) Over Limit (dB) 5.97 -17.75 -12.79 -36.70	Detector Peak Peak AV Peak	(o) 102.00 232.00 232.00 132.00	(cm) 100 100 100 100	ANT Vertical Vertical Vertical Vertical	Verdid N/A Pass Pass Pass
No.	40- 30- 20- 10- 0.0- 2350 Frequency (MHz) 2402.427 2400.012 2400.012	(dBuV/m) 79.97 56.25 41.21	(dB) -3.57 -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	Frequency (MHz) Over Limit (dB) 5.97 -17.75 -12.79	Detector Peak Peak AV	(o) 102.00 232.00 232.00	(cm) 100 100 100	ANT Vertical Vertical Vertical	Verdi N/A Pass Pass

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]	Product:	roduct: OXAA PicoOX-2				P	olarity		Horizont	al	
	Mode		Keeping 7	Fransmitting		Test Voltage		DC3.7V			
Те	mperature		24 d	leg. C,		Hı	ımidity		56% RH		
Те	est Result:		F	Pass							
CC Part 1 1.0E+	15C Class B 1GHz-18GHz 2-	-2									
9	10-		M:	1							
8											
7	70-										
	50-		N. I								
6	60 -		P								
	60-				1						
		والمستعمل المستعمل ال	/	M2	A Company of the Comp	an fan ferinald ferginaerin û		the second secon	myddelliwll diddigwydd yddigwly fel	with resort so the	
(m/angn) lava	0-	ilkais deileanna dir deil deileann deileann deileann deileann deileann deileann deileann deileann deileann dei	<u> </u>	M2	And the second	selladoradliksiyleediksi	add hearafficial side place bed	n gail phillippe language de gra	ميخاط تشواط ياطعيهم والأخمار إدغ	ndraya kada	
(m/angn) paapi 3	10-Marily week desired partition	Name de		M2	And the state of t	gelfinderendlikeigheedskrib	alitikan patrak hilapira bah	er geril y film yn lei gant y y dael gan	wyddiaegd, i bannydd, gddawdd, lledd	hillin again ag li	
(III/Angan) 19A91 3	10-Mark from the state of the s	Historical de Addition de La d	/	M2	The second	selfadvindlikus kriedrid	idispuspulati	n prilipilita plika ping pada pra	nystolisiegd, ir tempod gold wid, ijo by	nethrapetasite	
(W/nngp) jawai 3 2 1 0.		nika di dina na dika di dika di dina di dika di	/			adilphymethys prostory	विक्षेत्री क्षेत्र क्ष	ng with politicality, which you	ny de large di proponente de la sol, de la	H BY WAY WAY	
(W/nnap) jayai 3 2 1 0.		ikan distang binda distilikal kabupat		M2		gillyakijakliksjihonijekoj	क्षेत्री के स्वकृतिक की प्रीकृतिक के स्व	ng milih pelikapakan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan	ny dolang di proponsa pida na hiji na	2500	
(W/nngp) jawai 3 2 1 0.		Results	Factor		5	Detector	Table	Height	ANT	2500 Verdic	
(w/Ango) 4 3 2 1	0-2470		Factor (dB)	2483.	5 Frequency (MHz)					ı	
(ill/Angor) (ill/A	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-	Results		2483.	5 Frequency (MHz)		Table	Height		I	
(w/nngp) laval 3 2 1 0.	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdid	

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Product:			OXAA Pi	icoOX-2		Detec	tor		Vertical	
	Mode]	Keeping Tr	ansmitting		Test Vo	ltage	DC3.7V		
Те	Temperature 24 deg. C,			g. C,		Humio	lity		56% RH	
Te	st Result: Pass			SS						
	rt 15C Class B 1GHz-18 E+2-	GHz -2								
	90-			M1						
	80-			⁰ / _{Max}						
	70-			1						
	60-		_/_							
				100						
			-	$\overline{}$						
3uV/m)	50-		/	M ₂		1		to a		
evel (dBuV/m)	50-	. neziski salak neziski nezisk		ı M2	·	ali i mason na destabel angal di seba	أعيد بالعوبوب أوزيالمان	de Aldrews de ganda	acidestama del granda papida	March Later March
level (dBuV/m)		فأعتله ترشده والمنابع والمناثر والمنهد		M2	^{tr} odynakasy, <u>ni a</u> tonik hadilah di mataninyik da	ada tangan mana da si Andrian, andrian da sa da s	inga dhaqaysa labadad	de Aldrew (Siener), dieser wich	in dhaillige ng balghan, di, pag-bal	the district the same
level (dBuV/m)	40-	المراوان والمراور والمواراة والمراور والموارد وا		M2	^{kr} odovnosta pista de de Lipades	abizanjum sen abez ilibel integrabil pel pel	inga dhaqayasi kirabad	derkladeringsbeserinkhaderska	endenskispropridigere, de pasien	de nd), deine de service.
level (dBuV/m)	30- 20-	المعادية والمعادمة المعادمة والمعادمة والمعادم		M2	^{tr} adin, ali _n ga pangkan di kadhingi serindan perbebang belah	والمرابعة والمراجعة	havillariya didhad	der Aldrews Street, Alexandria	n dentropre blok og de passe	the eds, when the ser
level (dBuV/m)	40-	فأعتبه فرشده والمتاود والمتارة وبالمتارية		M2	^{tr} odynakasya didadikat denadaniyyi, de	disquared explainment of the same of the s	ing itangga kabbah	derblokenspilaners, derpartika	nicohiquan debilan di paren	riens de la constante de la co
level (dBuV/m)	30- 20-	nguikealishayeinkayakiisiasiisialish		W2 2483.	5	alizania de la constanta de la	idaga jilda gayara da kada da	de Alderen visita en en de en en en electrica e	n dagilarah dalam da paint	
	30- 20- 10- 2470	فأعليه الإنتانية فالمساود وأوالد والموجد			5 Frequency (MHz)					2500
	30 - 20 - 10 - 2470 Frequency	Results	Factor	Limit	5 Frequency (MHz)	Detector	Table	Height	ANT	2500
No.	30- 20- 10- 0.0 - 2470 Frequency (MHz)	(dBuV/m)	(dB)	Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500
No.	30 - 20 - 10 - 2470 Frequency			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 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 PCB antenna with gain -0.58dBi 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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Test Result

Product:	OXAA Pico	OX-2	Test Mode:	Keep transmittin
Mode	Mode Keeping Transmitting		Test Voltage	DC3.7V
Temperature	ire 24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
20dB Bandwidth	876kH:	Z		
Ref 10 dF 10 -0 -10 -20 -10 -30 -40	-23.17 dBm	* VBW	100 kHz	-23.24 dBm 2 401586000 GHz
50 60				3DB
80 90				
Center 2.4	102 CII-	300 kHz/	<u> </u>	Span 3 MHz

Date: 21.JAN.2025 15:45:05

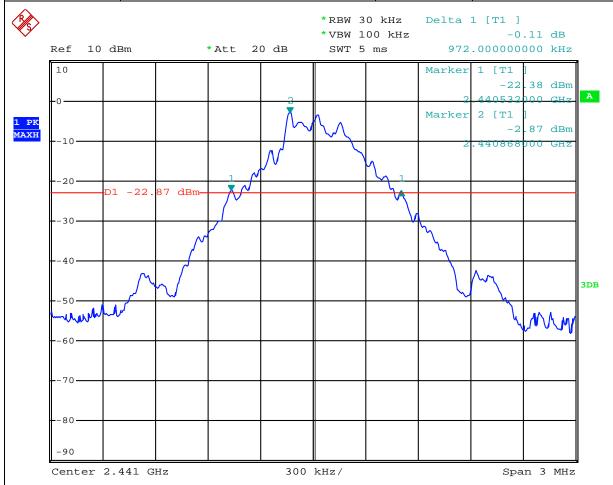
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GFSK			
Product:	OXAA PicoOX-2	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	972kHz		



Date: 21.JAN.2025 15:43:39

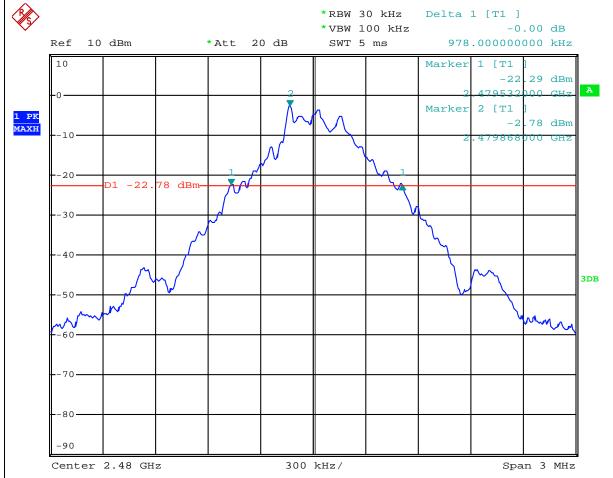
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GFSK			
Product:	OXAA PicoOX-2	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	978kHz		



Date: 21.JAN.2025 15:39:47

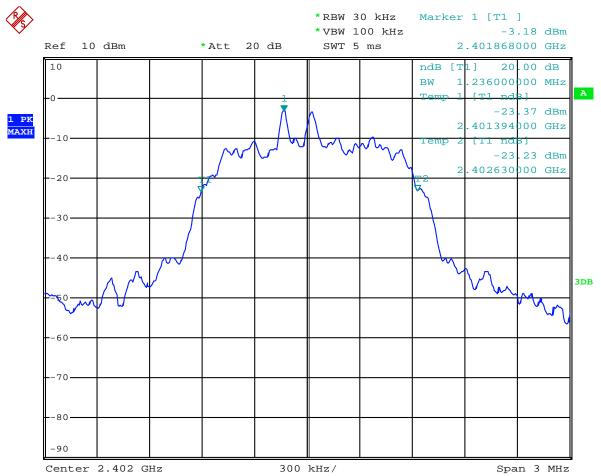
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Л/4DQPSK			
Product:	OXAA PicoOX-2	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.236MHz		1



Date: 21.JAN.2025 15:27:01

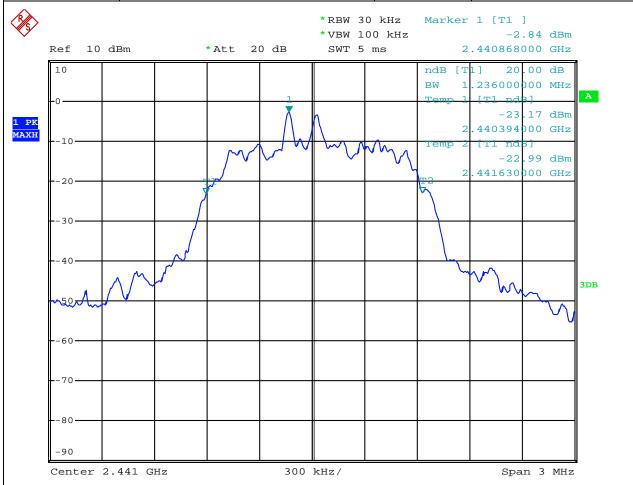
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Л/4DQPSK			
Product:	OXAA PicoOX-2	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.236MHz		



Date: 21.JAN.2025 15:30:36

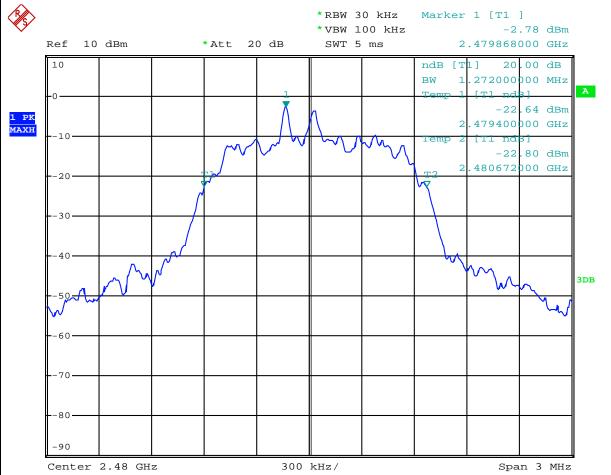
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Л/4DQPSK			
Product:	OXAA PicoOX-2	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.272MHz		



Date: 21.JAN.2025 15:35:24

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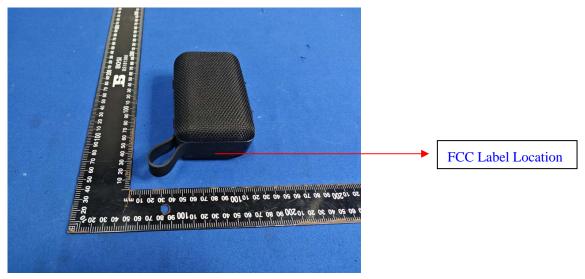


10.0 FCC ID Label

FCC ID: 2BNYA-PICOOX2

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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11.0 Photo of testing

11.1 Conducted test View



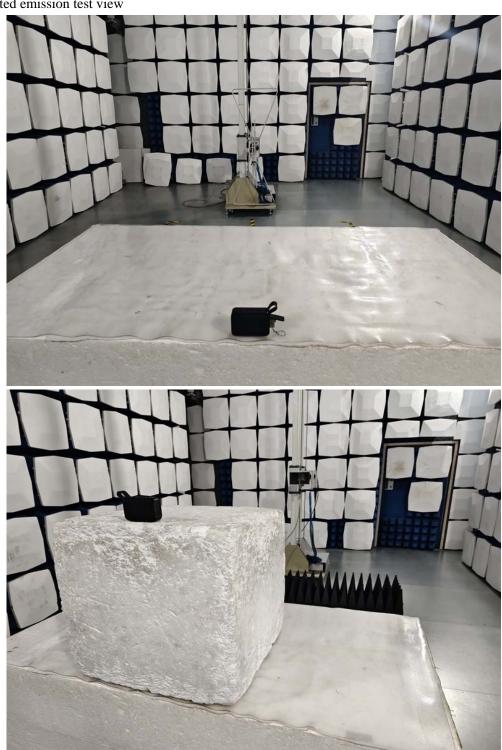
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Radiated emission test view



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

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11.2 Photographs - EUT

Outside View - OXSP1210





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

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Outside View - OXSP1210





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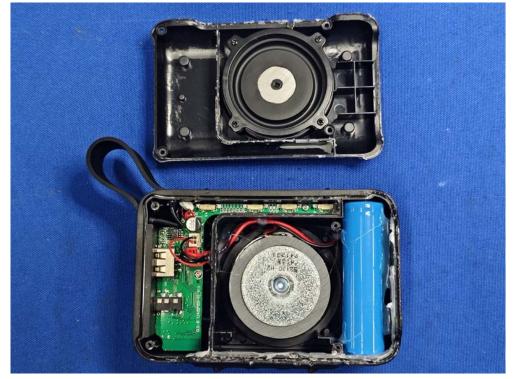
Report No.: TW2501131-01E

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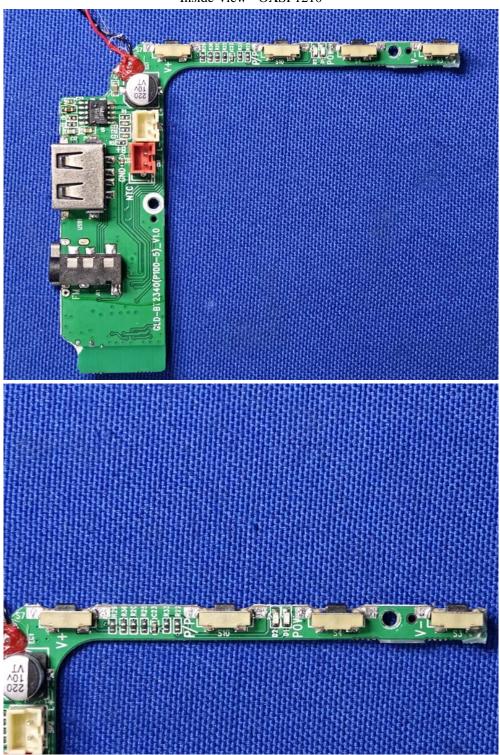
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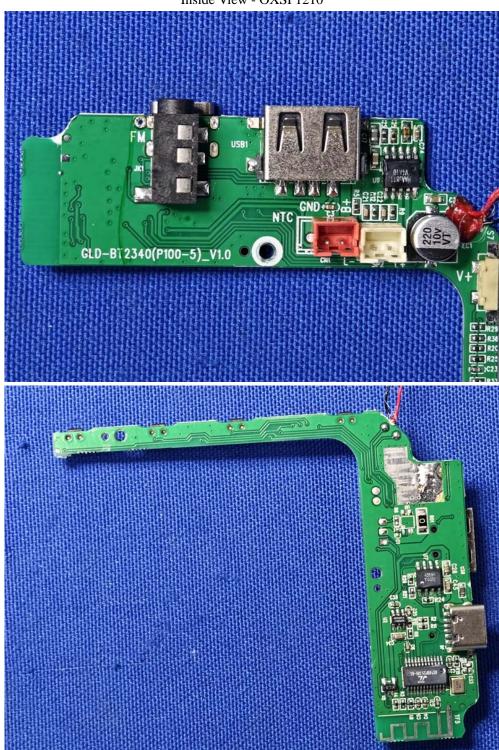
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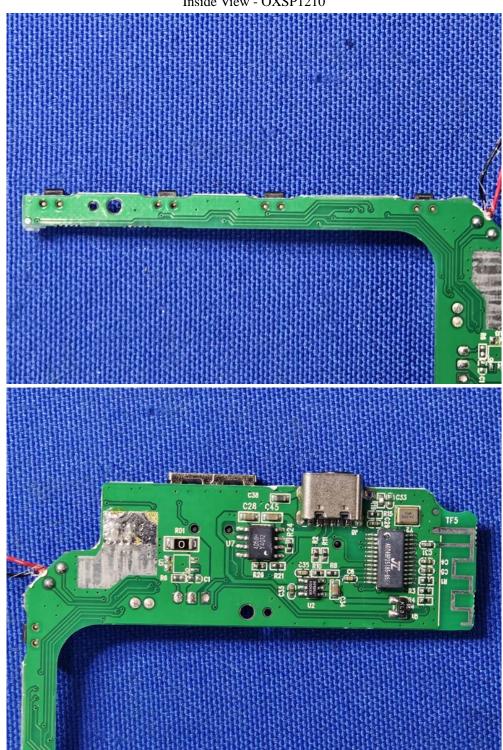
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Inside View - OXSP1210



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Outside View - OXSP1214





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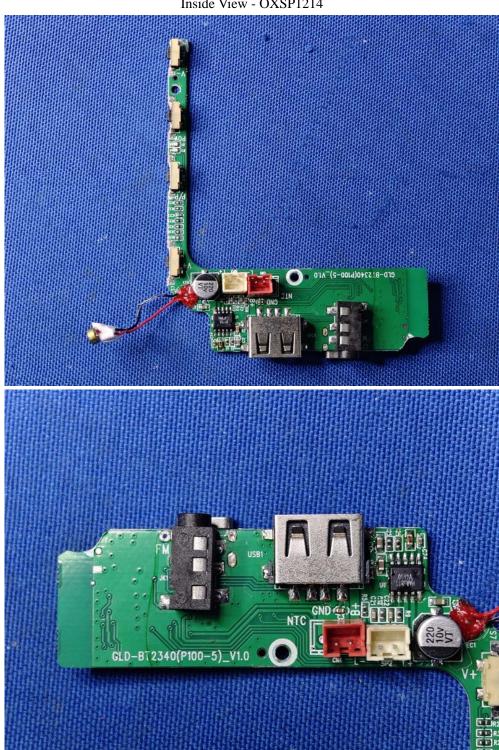
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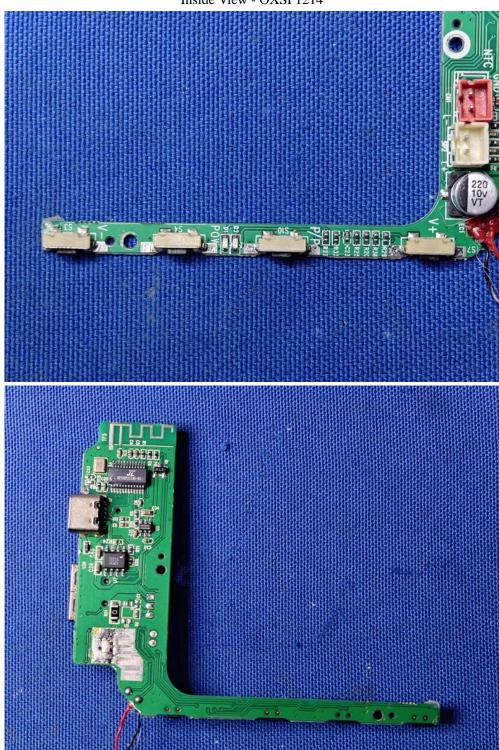
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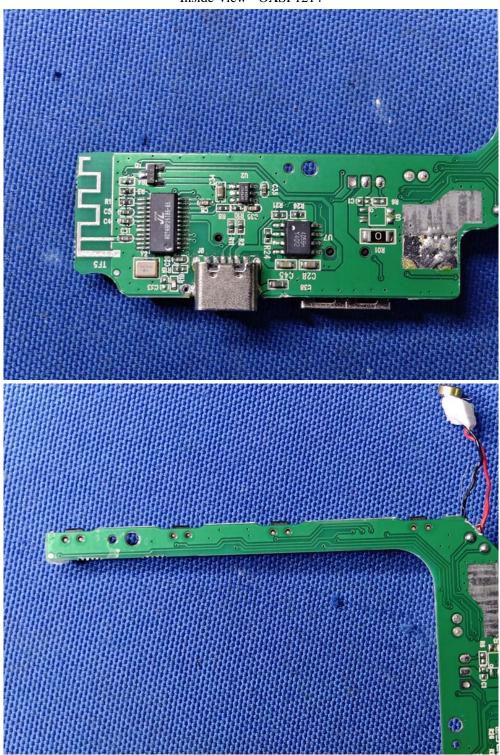
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Outside View - OXSP1215





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Outside View - OXSP1215





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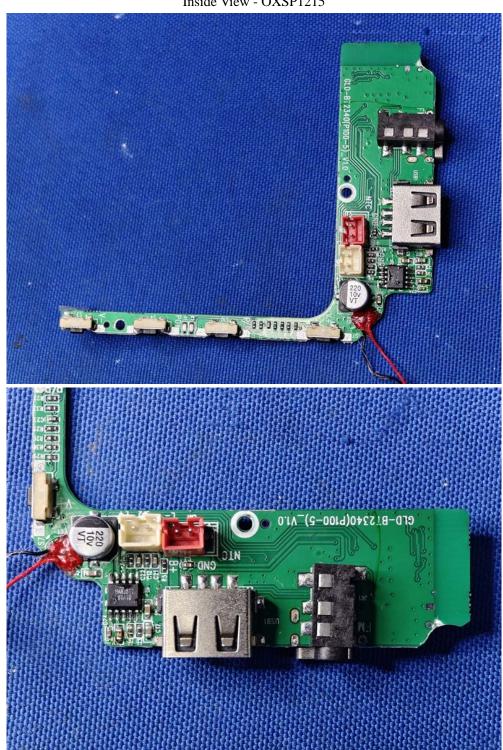
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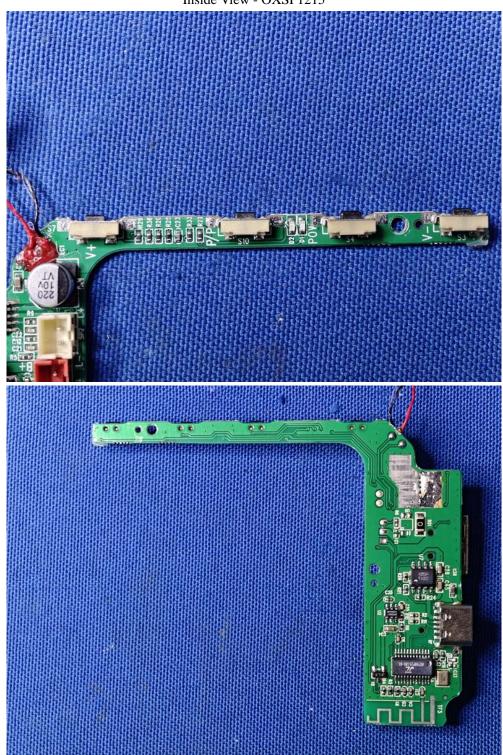
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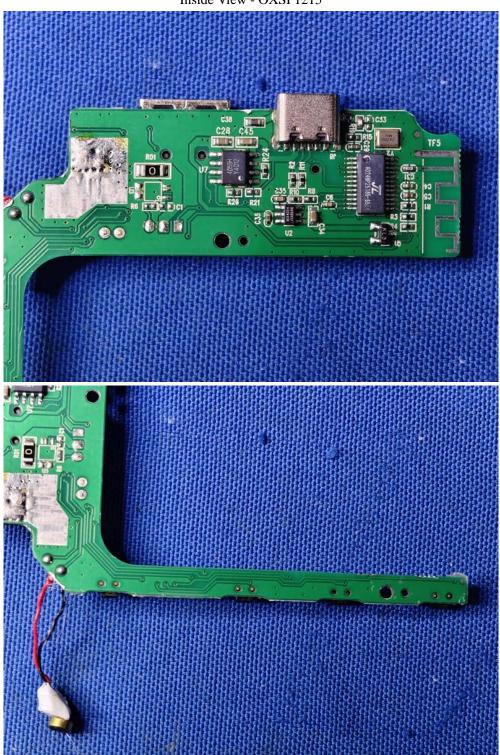
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