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# **FCC Test Report**

**GUANGZHOU RANTION TECHNOLOGY CO., LTD. Applicant** 

Room 7002 and 7003, 7th Floor, Digital

**Entertainment Industrial Park, Greater Bay Area,** Address

No. 28 Huangpu Park West Road, Huangpu

District, Guangzhou, China.

Product Name : Acoustic Guitar

**Report Date** : Mar. 18, 2024

Shenzhen Anbotek Compliance Laboratory Limited











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# TEST REPORT

Applicant : GUANGZHOU RANTION TECHNOLOGY CO., LTD

Manufacturer : GUANGZHOU RANTION TECHNOLOGY CO., LTD.

Product Name : Acoustic Guitar

Test Model No. : HUSH-I PRO

Reference Model No. : N/A

Trade Mark : DONNER

Rating(s) Input: 5V-- 1A

Capacity: Lithium-ion: DC 3.7V, 2000mAh

47 CFR Part 15.247

Test Standard(s) : ANSI C63.10-2020

KDB 558074 D01 15.247 Meas Guidance v05r02

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with above listed standard(s) requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Necelpt.	Jan. 10, 2024
Date of Test:	Jan. 18, 2024 to Mar. 04, 2024
ak Anbotek Anbotek Anbotek Anbotek	Ella Liang
	Eucot Management
Prepared By: Dorek Andrew Andrew Andrew	Jok hotek My All Jokek
	(Ella Liang)
	Idward pan
Approved & Authorized Signer:	Anbore Am otek Anboren An
oter And Ak hotek Anbor Ar	(Edward Pan)





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## **Revision History**

Report Version	Description	Issued Date
Anbore R00 potek An	Original Issue.	Mar. 18, 2024
k Anborek Anborek	Anbotek Anbotek Anbotek	K Anbotek Anbotek Anb
ore Ambotek Anbotek	Anbotek Anbotek Anbot	tek Anbotek Anbotek





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#### 1. General Information

## 1.1. Client Information

- VU <sub>D</sub>		No. V. No.
Applicant	:	GUANGZHOU RANTION TECHNOLOGY CO., LTD.
Address	:	Room 7002 and 7003, 7th Floor, Digital Entertainment Industrial Park, Greater Bay Area, No. 28 Huangpu Park West Road, Huangpu District, Guangzhou, China.
Manufacturer	:	GUANGZHOU RANTION TECHNOLOGY CO., LTD.
Address	:	Room 7002 and 7003, 7th Floor, Digital Entertainment Industrial Park, Greater Bay Area, No. 28 Huangpu Park West Road, Huangpu District, Guangzhou, China.
Factory 1		Jiangmen Duole Technology Co., Ltd.
Address 1	:	Building 9, No. 52, Baotang Road, Tangxia Town, Pengjiang District, Jiangmen City, China
Factory 2		Guangdong Shengkai Musical Instruments Co.Ltd.
Address 2		Sankerong,Chengzhong District, Sihui City, Guangdong Province, China.

# 1.2. Description of Device (EUT)

	- Wa	MO. N. M. M. MO.
Product Name	:	Acoustic Guitar
Test Model No.	:	HUSH-I PRO (Note: The product is available in two different colors.)
Reference Model No.	:	N/Ak Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	DONNER AND OTHER
Test Power Supply	•	DC 5V from Adapter input AC 120V/60Hz; DC 3.7V battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	JIN/A Anbotek Anbotek Anbotek Anbotek An
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	40 Anborek Anborek Anborek Anborek Anborek
Modulation Type		GFSK, bother Andrew Anbother Anbother Anboth
Antenna Type	:	PCB Antenna Antone Anto
Antenna Gain(Peak)	:	0.67dBi Anborek Anborek Anborek
Davida ele		K 1001 Pills Self 100

#### Remark:

- (1) All of the RF specification are provided by customer.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.







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## 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.	
Xiaomi 33W adapter	Xiaomi Andorek	MDY-11-EX	SA62212LA04358J	

## 1.4. Operation channel list

#### Operation Band:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Orek	2402	And 10 tok	2422	20	2442	30	2462
1 botek	2404	11	2424	21	2444	31, <sup>100,160</sup>	2464
2 2 abo	2406	12	2426	22 Anbo	2446	rek 32 Anbo	2466
3	2408	13	2428	23 An	2448	botel 33	2468
4	2410	nbo 14	2430	24	2450	34	2470
Anbo 5	2412	Anbotto	2432	25	2452	35	2472
And Grek	2414	16	2434	26	2454	36	2474
7	2416	17. <sup>nb</sup>	2436	× 27 <sub>Anboh</sub>	2456	ek 37 <sub>Mab</sub> o	2476
8 And	2418	18 And	2438	otell 28 An	2458	38 N	2478
9 AT	2420	19 P	2440	29	2460	39	2480

## 1.5. Description of Test Modes

~	Pretest Modes	Descriptions
0,	ek Anbore TM1 Anborek	Keep the EUT in continuously transmitting mode with GFSK modulation.





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#### 1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Conducted Spurious Emission	1.24dB
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	tek Aup Jek	botek P Ar
Conducted Emission at AC power line	Mode1	anbot P
Occupied Bandwidth	Mode1	AU Pick
Maximum Conducted Output Power	Mode1	Pupojek
Power Spectral Density	Mode1	ek P Anbot
Emissions in non-restricted frequency bands	Mode1	botek P An
Band edge emissions (Radiated)	Mode1	nboř P
Emissions in frequency bands (below 1GHz)	Mode1	N. Bek
Emissions in frequency bands (above 1GHz)	Mode1	Photek
Note: P: Pass N: N/A, not applicable	Anbotek Anbot	ek Aupor

**Shenzhen Anbotek Compliance Laboratory Limited** 







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#### 1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### FCC-Registration No.:434132

Shenzhen Anbotek Compliance Laboratory Limited, 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. 434132.

#### ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

#### **Test Location**

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

#### 1.9. Disclaimer

- The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.





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## 1.10. Test Equipment List

Cond	ucted Emission at A	C power line				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2023-10-12	2024-10-11
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2023-10-12	2024-10-11
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	tek /Anbotek	ek apotek

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density
Emissions in non-restrict

Emissions in non-restricted frequency bands

Emis	sions in non-restricte	a trequency bands	- Yek	700,0	- K	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 <sub>An</sub> l	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2023-10-16	2024-10-15
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
An4ore	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-10-12	2024-10-11
5nb	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2023-02-23	2024-10-22

Hotline

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400-003-0500



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	edge emissions (Ra sions in frequency ba		Aupotek	Anborek	Aupotek	Anborek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 00	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2023-10-12	2024-10-11
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
nbole 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Anbotek	Aupolek
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
<sup>16</sup> 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emiss	sions in frequency ba	ands (below 1GHz)	Anbore	Aurabotek	Anboiek	Anbo
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
. 2	Pre-amplifier	SONOMA	310N	186860	2023-10-12	2024-10-11
34	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
Anistel	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11
5,00	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	y Aupon	k Anbotek

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## 2. Antenna requirement

Test Requirement:

Refer to 47 CFR Part 15.203, 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.

#### 2.1. Conclusion

The antenna is a PCB antenna which permanently attached, and the best case gain of the antenna is 0.67dBi . It complies with the standard requirement.





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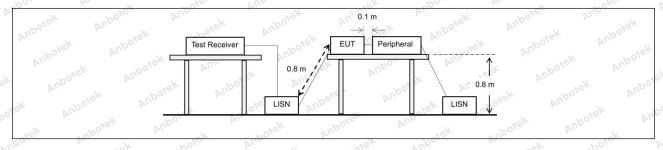
# 3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Excepsection, for an intentional radiator public utility (AC) power line, the rback onto the AC power line on alband 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms (LISN).	that is designed to be con radio frequency voltage that ny frequency or frequencient of exceed the limits in the f	nnected to the at is conducted es, within the following table, as				
boiek Anbor	Frequency of emission (MHz)	Conducted limit (dBµV)					
Yun Yek Jpolen	Anbore Anbore	Quasi-peak	Average				
Aupor Air	0.15-0.5	66 to 56*	56 to 46*				
Test Limit:	0.5-5 Notes Andrews	56 NOTE AT	46				
And above	5-30 And Stek	60	50 And				
k Aupora K Wi	*Decreases with the logarithm of the frequency.						
Test Method:	ANSI C63.10-2020 section 6.2	Potek Vupoter	Aug				
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un						

# 3.1. EUT Operation

Operating Envi	ronment:	Aupor	Projek.	Aupote	Aug Stek	mbotek	Aupo.
Test mode:	1: TX mode	Pr.	EUT in conti	nuously trans	mitting mode w	ith GFSK	Anbo

## 3.2. Test Setup





Hotline

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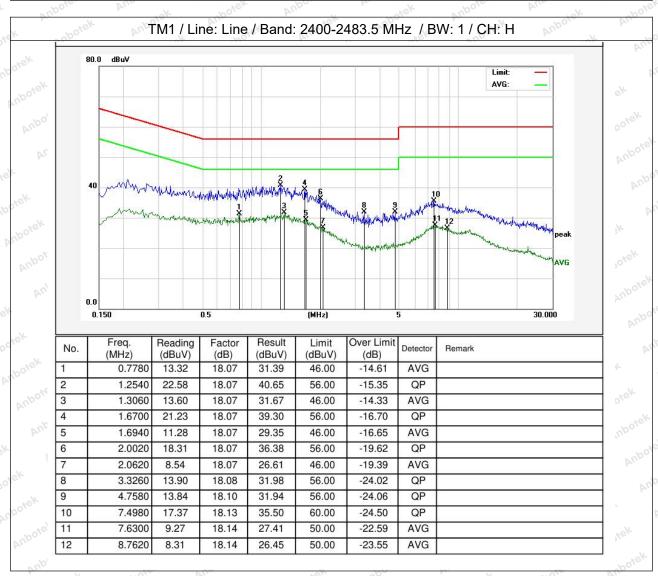
400-003-0500



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#### 3.3. Test Data

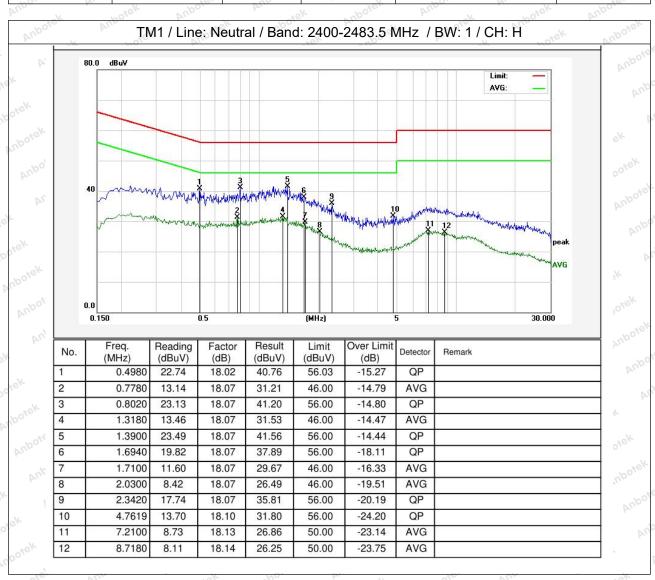
Temperature:	20.5 °C	Humidity:	39 %	Atmospheric Pressure:	101 kPa
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Temperature: 20.5 °C Humidity: 39 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







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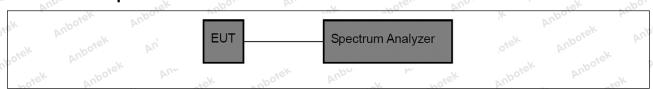
# 4. Occupied Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
nbotek Anbotek Anbotek Anbotek Anbotek	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW ≥ [3 × RBW].
Anbotek Anb	c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time.
potek Anbotek	f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the
Procedure:	envelope of the spectral display, such that each marker is at or slightly below the "-6 dB down amplitude". If a marker is below this "-6 dB down amplitude" value, then it shall be as close as possible to this value.
ek Anbotek Anbo	11.8.2 Option 2  The automatic bandwidth measurement capability of an instrument may be
Anbotek Anbotek	employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function.
Anbotek Anbotek	When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

# 4.1. EUT Operation

Operating Envi	ronment:	Dur	anbotek	Aupo.	potek	Anbore
Test mode:	1: TX mode: Kee modulation.	p the EUT in c	ontinuously	transmitting m	ode with GFSI	Anbotes

## 4.2. Test Setup



# 4.3. Test Data

Temperature:	25.4 °C	Humidity:	48 %	VUL	Atmospheric Pressure:	101 kPa	e

Please Refer to Appendix for Details.









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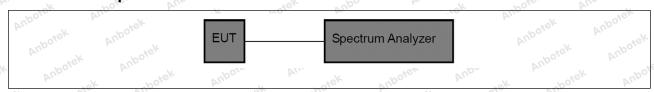
# 5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Anbotek	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power

## 5.1. EUT Operation

Operating Envi	ronment:	abotek	Aupor	Dir.	hotek	Aupoten	Anb	rek	200
Test mode:	1: TX mode: modulation.	Keep the E	JT in continu	uously	transmit	ting mode	with GFSh	K hotek	ν.

#### 5.2. Test Setup



#### 5.3. Test Data

	Temperature:	25.4 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.



Hotline



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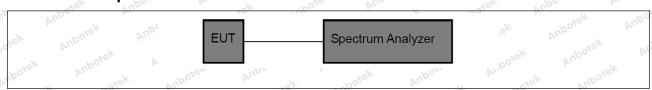
## 6. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2020, section 11.10 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020, section 11.10, Maximum power spectral density level in the fundamental emission

## 6.1. EUT Operation

Operating Envi	ronment:	rek.	Anbotek	Anba	abotek	Anboro	. bojek
Test mode:	1: TX mode:	Keep	the EUT in	continuously	transmitting	mode with G	FSK MAN
Tost mode.	modulation.					· · · · · ·	

## 6.2. Test Setup



#### 6.3. Test Data

Temperature: 25	5.4 °C	Humidity:	48 %	Atmospheric Pressure: 101 kPa
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Please Refer to Appendix for Details.





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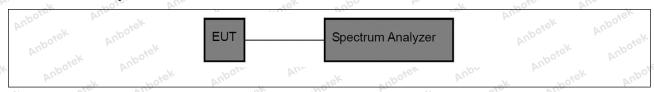
# 7. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit: Anborek	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 11.11 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3

## 7.1. EUT Operation

Operating Envi	ronment:	aboiek	Vupoter K	Vur	otek	Anborek	Vupo.	*ek	200
Test mode: 1: TX mode: Keep the EUT in continuously transmitting mode								ζο, ΄΄	24
Tool mode.	modulation.								P.

## 7.2. Test Setup



#### 7.3. Test Data

2	Temperature:	25.4 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa	
0.0		10-21: 0 Un	110111101111	10 100	, kiiii a bii a i a a a a a a a a a a a a a	. 0,000	ı

Please Refer to Appendix for Details.





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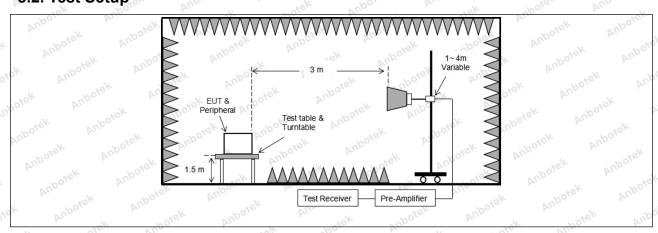
# 8. Band edge emissions (Radiated)

Test Requirement:	restricted bands, as define	, In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	oly with the
k Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
abotek Anbo	0.490-1.705	24000/F(kHz)	30
ir. sek upojen	1.705-30.0	30° hor	30
	30-88	100 **	3,ek noore
	88-216	150 **	3
	216-960	200 **	3,botel Anti
	Above 960	500 hotek Anbot	3 sex
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	frequency bands 54-72 MH However, operation within sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-90 kHz, 110–490 kHz and	ing under this section shall not be lz, 76-88 MHz, 174-216 MHz or these frequency bands is permit § 15.231 and 15.241.  The e, the tighter limit applies at the bein the above table are based on peak detector except for the free above 1000 MHz. Radiated emisted on measurements employing	470-806 MHz. ted under other pand edges. measurements luency bands 9– ssion limits in
potek Pupo, b	Sek Spor Ar	k potek Wupo.	bu.
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 N	- 42 P	ek Aupo,
Procedure:	ANSI C63.10-2020 section	6.10.5.2	por An

# 8.1. EUT Operation

Operating Envi	ronment:	Anboiek	Anbo,	Pri - Poiek	Aupote.	Ans	riek no
Test mode:	1: TX mode: k	(eep the EU	T in continuo	usly transmittir	ng mode witl	n GFSK	-14
dest mode.	modulation.						aboter

## 8.2. Test Setup





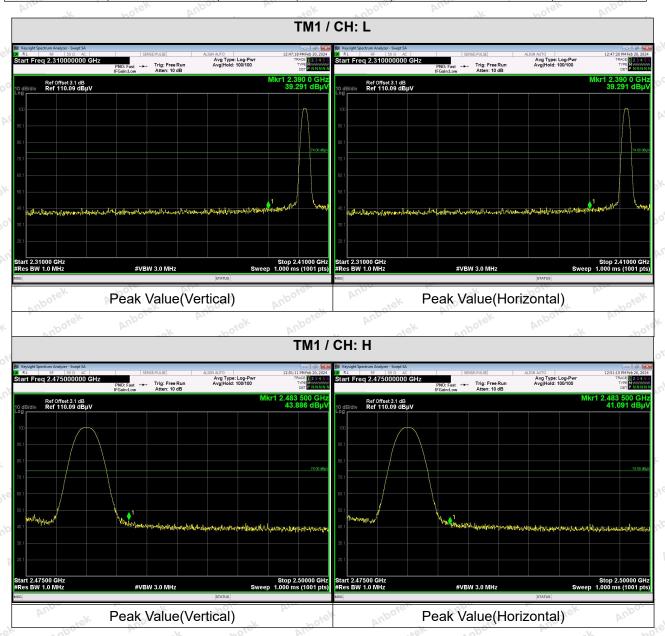




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#### 8.3. Test Data

Temperature: 25.4 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Note: When the PK measure result value is less than the AVG limit value, the AV measure result values test not applicable.







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# 9. Emissions in frequency bands (below 1GHz)

Anbotek Anbotek		In addition, radiated emissions	
Test Requirement:		d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	
k Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
o. A. Stek	0.009-0.490	2400/F(kHz)	300 , 1001
abotek Anbo	0.490-1.705	24000/F(kHz)	30 50 tel
iek abojek	1.705-30.0	30° , , , , , , , , , , , , , , , , , , ,	30
Anbo. A. Siek	30-88	100 **	3,ek note
Spotek Aupo	88-216	150 **	3
All. abote	216-960	200 **	3 boten And
Aupo, W.	Above 960	500	3 rek on
Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek	frequency bands 54-72 MH However, operation within to sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-page 110-490 kHz, 110-490 kHz and a section of the se	ng under this section shall not be z, 76-88 MHz, 174-216 MHz or these frequency bands is permitted in the tighter limit applies at the bein the above table are based on beak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing	470-806 MHz. ed under other  and edges. measurements uency bands 9– sion limits in
Pose Bulga	16K 700, by	O O 18/4 Applete	k kojek
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		Se Vup
Procedure:	ANSI C63.10-2020 section	6.6.4	

# 9.1. EUT Operation

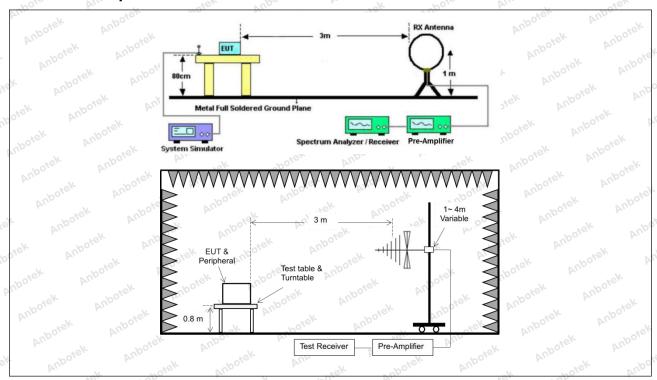
,o¹	Operating Envir	onment:	anboten	Anbe	botel	Anbore	bu.	rick vy
	Test mode:	1: TX mode: Ke	eep the EUT	in continue	ously transm	itting mode	with GFSK	Upo Pak
70	00	modulation.	DI		ter Tup.		rek .	oboro





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#### 9.2. Test Setup





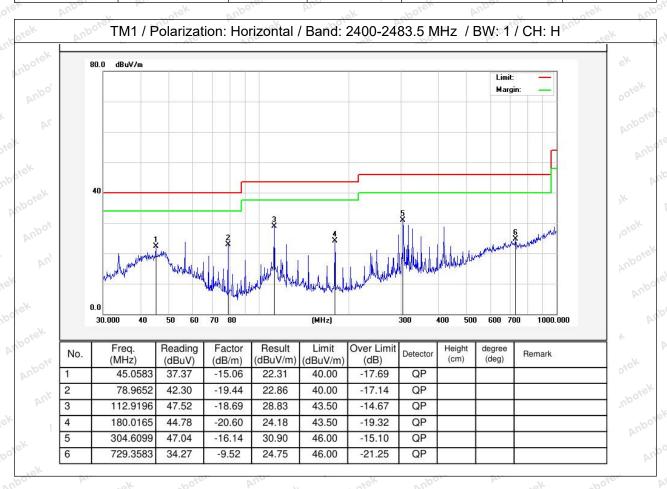


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#### 9.3. Test Data

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

	Temperature:	25.4 °C	AUL	Humidity:	48%	Atmospheric Pressur	e: 101 kPa
--	--------------	---------	-----	-----------	-----	---------------------	------------

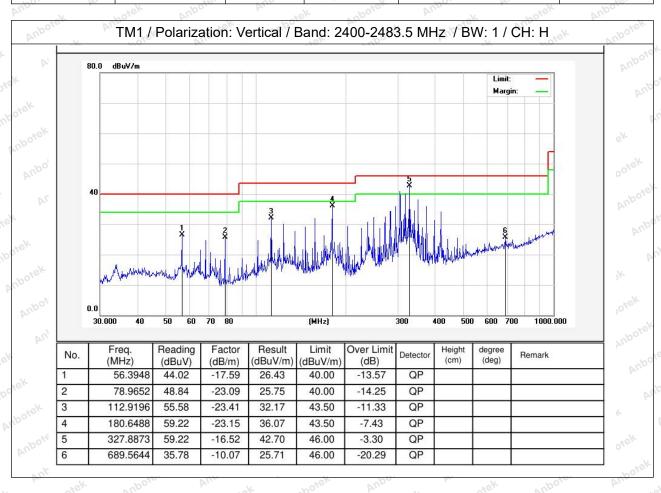






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Temperature: 25.4 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.





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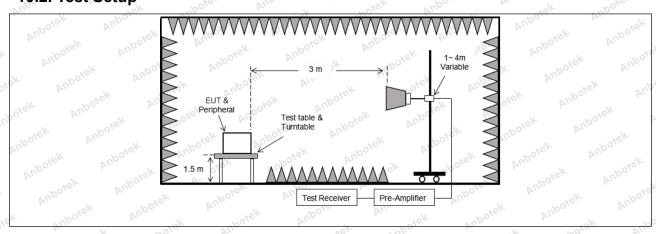
# 10. Emissions in frequency bands (above 1GHz)

PUD. FSK	Pole VIII	- Super Full	igk JbO7
Test Requirement:		ons which fall in the restricted back comply with the radiated emission 5(c)) `	
k Aupotek Aupot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
'upote, Yur Potek	0.490-1.705 1.705-30.0	24000/F(kHz) 30	30
	30-88	100 **	3.ek anborek
Spotek Anbo	88-216	150 **	3
	216-960	200 **	3 bores And
Test Limit;	Above 960	500	3 rek on
	intentional radiators operatifrequency bands 54-72 MH However, operation within the sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-part of the emission table above 100 miles and	ragraph (g), fundamental emissing under this section shall not be z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241.  The tighter limit applies at the bein the above table are based on beak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing	e located in the 470-806 MHz. ed under other and edges. measurements uency bands 9— ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ak Anbotek
Procedure:	ANSI C63.10-2020 section	6.6.4 Ant	ote. Aug

# 10.1. EUT Operation

Operating Environment:	Mbotek	Anbo.	horek.	Anbore.	Aur Jek	20
Test mode: /	abotek	Anbore	Al.,	Anboten	Aup. * Ek	-

## 10.2. Test Setup









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## 10.3. Test Data

ek abo	tek Aupo	N. N.	K Anbore	Vu.	abotek	Vupo, "
		-	TM1 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	28.45	15.27	43.72	74.00	-30.28	Vertical
7206.00	28.51	18.09	46.60	74.00	-27.40	Vertical
9608.00	29.36	23.76	53.12	74.00	-20.88	Vertical
12010.00	bose * Vue	otek nobe	yek Anbe	74.00	k Aupore	Vertical
14412.00	Anboter* Ar	100 isk	potek Anb	74.00	otek Anbote	Vertical
4804.00	28.11	15.27	43.38	74.00	-30.62	Horizontal
7206.00	29.03	18.09	47.12	74.00	-26.88	Horizontal
9608.00	28.11	23.76	51.87	74.00	-22.13	Horizontal
12010.00	*Anbe	ek botek	Anbore	74.00	Vupo, er	Horizontal
14412.00	otek * Anbo	Put.	iek vupote	74.00	botek	Horizontal
Average value:  Frequency	Reading (dBuV)	Factor	Result	Limit (dBuV/m)	Over Limit	polarization
(MHz) 4804.00	16.72	(dB/m) 15.27	(dBuV/m) 31.99	54.00	(dB) -22.01	Vertical
7206.00	17.56	18.09	35.65	54.00	-18.35	Vertical
9608.00	otek 18.83 nbot	23.76	42.59	54.00	-11,41	Vertical
12010.00	rek * ank	Josek Aupo	ek spoi	54.00	P.O.	Vertical
14412.00	***	abotek An	DO! P.//	54.00	Leg Vupo	Vertical
4804.00	16.44	15.27	31.71	54.00	-22.29 And	Horizontal
7206.00	18.06	18.09	36.15	54.00	-17.85	Horizontal
9608.00	17.62	23.76	41.38	54.00	-12.62	Horizontal
12010.00	*ek * nbote	Anbore	k Polek	54.00	Vup. *Sk	Horizontal
14412.00	*	otek Anbote	, Aug.	54.00	Aupoli	Horizontal





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				hotek	Anbor	rek
			ГМ1 / СН: М			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	28.00	15.42	43.42	74.00	-30.58	Vertical
7320.00	28.48	18.02	46.50	74.00	-27.50	Vertical
9760.00	28.86	23.80	52.66	74.00	-21.34	Vertical
12200.00	ek * nbotek	Anbor	hotek	74.00	And	Vertical
14640.00	* * *	ick Aupore	Pun Vie	74.00	Vupo	Vertical
4880.00	27.92	15.42 No	43.34	74.00	-30.66	Horizontal
7320.00	28.90	18.02	46.92	74.00	-27.08	Horizontal
9760.00	27.83	23.80	51.63	74.00	-22.37	Horizontal
12200.00	* otek	Anboie	And	74.00	YUpo, ok	Horizontal
14640.00	A.* Otek	nbotek	Aupo	74.00	Anbore	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	16.81	15.42	32.23	54.00	-21.77	Vertical
7320.00	17.42	18.02	35.44	54.00	-18.56	Vertical
9760.00	18.68	23.80	42.48	54.00	-11.52	Vertical
12200.00	k *upor	N Diek	anboter	54.00	aboiek	Vertical
14640.00	otek * Anbots	And	sk spojek	54.00	ki. Potek	Vertical
4880.00	16.55	15.42 15.42	31.97	54.00	-22.03	Horizontal
7320.00	18.41	18.02	36.43	54.00	-17.57	Horizontal
9760.00	17.92	23.80	41.72	54.00	12.28 And	Horizontal
12200.00	Anbotek	Anb.	botek	54.00	wotek D	Horizontal
14640.00	* botek	Anbo	D. C. C.	54.00	And	Horizontal





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en Aug	riek	"upo,	bii.	hoter	AUD	rek
		٦	ГМ1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	28.13	15.58	43.71	74.00	-30.29	Vertical
7440.00	28.64	17.93	46.57	74.00	-27.43	Vertical
9920.00	29.56	23.83	53.39	74.00	-20.61	Vertical
12400.00	* work	anbore.	And	74.00	Aupo,	Vertical
14880.00	* Vup	iek upotel	Aupo.	74.00	Aupore	Vertical
4960.00	28.06	15.58	43.64	74.00	-30.36	Horizontal
7440.00	29.11	17.93	47.04	74.00	-26.96	Horizontal
9920.00	28.21	23.83	52.04	74.00	-21.96	Horizontal
12400.00	Anb * *ek	abotek	Aupo,	74.00	Aupote, Au	Horizontal
14880.00	V.Apo,	hotek	Anbores	74.00	abotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	17.93	15.58	33.51	54.00	-20.49	Vertical
7440.00	18.69	17.93	36.62	54.00	-17.38 AND	Vertical
9920.00	19.33	23.83	43.16	54.00	-10.84	Vertical
12400.00	k * spojek	Aupor	hotek	54.00	Aug	Vertical
14880.00	* * *	k Aupole.	Aug	54.00	Vupo.	Vertical
4960.00	17.73	15.58	33.31	54.00	-20.69	Horizontal
7440.00	19.21	17.93	otek 37.14 Ando	54.00	-16.86°°	Horizontal
9920.00	18.07	23.83	41.90	54.00	-12.10	Horizontal
12400.00	*otek	Anbores	Ann	54.00	Ipo. by	Horizontal
14880.00	An*	"Upotek	Aupo.	54.00	Anboto	Horizontal

#### Remark:

- 1. Result =Reading + Factor
- 2. "\*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.







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#### **APPENDIX I -- TEST SETUP PHOTOGRAPH**

Please refer to separated files Appendix I -- Test Setup Photograph\_RF

#### APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

#### APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----

