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# **FCC Test Report**

Applicant : Hefei J&Q Network Technology Co., Ltd

Room 302, No. 16, Qiyun Road, Hefei Economic

Address : and Technological Development Zone, Anhui

**Province, China** 

Product Name : Smart Cat Litter Box

Report Date : May 29, 2024

Shenzhen Anbotek Con Anbotek



ce Laboratory Limited







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## TEST REPORT

**Applicant** Hefei J&Q Network Technology Co., Ltd

Manufacturer Hefei J&Q Network Technology Co., Ltd

**Product Name Smart Cat Litter Box** 

**TPCBT** Test Model No.

TPCBT01, TPCBT02, TPCBT03, TPCBT04, TPCBT05, TPCBT06,

TPCBT07, TPCBT08, TPCBT09, TPCBT10, TPCBT11, TPCBT12, TPCBT13, TPCBT14, TPCBT15, TPCBT16, TPCBT17, TPCBT18,

Reference Model No.

TPCBT19, TPCBT20, TPCBT21, TPCBT22, TPCBT23, TPCBT24, TPCBT25, TPCBT26, TPCBT27, TPCBT28, TPCBT29, TPCBT30

Trade Mark tonepie

Input: 12V= 1.5A Rating(s)

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 Receipt:	May 14, 2024
Anborek Anborek Anbore	tek Anbotek Anbo
Date of Test:	May 14, 2024 to May 25, 2024
	Tu Tu Hong
Prepared By:	Aupore Aupore Auporek
	(TuTu Hong)
	ek hotek Anbore Ant hotek Anbor
	Idward pan
Approved & Authorized Signer:	oo, Ook Anorek Anore, And
rek aboter And k sotek	(Edward Pan)







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## **Revision History**

	Report Version	Description	Issued Date
	Anbore R00 potek Ant	Original Issue.	May 29, 2024
9,	Anbotek Anbotek	Anbotek Anbotek Anbotek	K Anbotek Anbotek Ant
10	ore Ambotek Anbotek	Anbotek Anbotek Anbot	tek Anbotek Anboter





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#### 1. General Information

## 1.1. Client Information

Applicant	: Hefei J&Q Network Technology Co., Ltd
Address	Room 302, No. 16, Qiyun Road, Hefei Economic and Technological Development Zone, Anhui Province, China
Manufacturer	: Hefei J&Q Network Technology Co., Ltd
Address	Room 302, No. 16, Qiyun Road, Hefei Economic and Technological Development Zone, Anhui Province, China
Factory	: Hefei J&Q Network Technology Co., Ltd
Address	Room 302, No. 16, Qiyun Road, Hefei Economic and Technological Development Zone, Anhui Province, China

## 1.2. Description of Device (EUT)

Jek Jupo		ok bore Arr ster and
Product Name	:	Smart Cat Litter Box
Test Model No.	:	ATPCBT Anbotek Anbotek Anbotek Anbotek Anbotek
Reference Model No.	:	TPCBT01, TPCBT02, TPCBT03, TPCBT04, TPCBT05, TPCBT06, TPCBT07, TPCBT08, TPCBT09, TPCBT10, TPCBT11, TPCBT12, TPCBT13, TPCBT14, TPCBT15, TPCBT16, TPCBT17, TPCBT18, TPCBT19, TPCBT20, TPCBT21, TPCBT22, TPCBT23, TPCBT24, TPCBT25, TPCBT26, TPCBT27, TPCBT28, TPCBT29, TPCBT30 (Note: All samples are the same except the model number & appearance color, so we prepare "TPCBT" for test only.)
Trade Mark	:	tonepie Andrew Andrew Andrew Andrew
Test Power Supply	:	AC 120V/60Hz for adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	Model: GRT-A30-120150UW Input: 100-120V~1.0A Max 50/60Hz Output: 12.0V— 1.5A
RF Specification		
Operation Frequency	·	2402MHz to 2480MHz
Number of Channel	:	40 knotek Anborek Anborek Anborek Anborek Anborek
Modulation Type	:	GFSK nbo dek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Antenna Type		PCB Antenna
Antenna Gain(Peak)	:	2.54 dBi (Provided by customer)
Pomark:		hote Am . Helk hold k hote

#### 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.	
	Anboren Anboren	And stek upotek	Anbo. A All botek	Anbote. And	







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## 1.4. Operation channel list

#### Operation Band:

- 1500		1		DV.	2 C V	- VA -	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
· Opupote	2402	10 por	2422	20	2442,000	30	2462
tek 1 Anb	2404	11 m	ote <sup>34</sup> 2424 pribo	21	2444 M	31 And	2464
botek 2	2406	12	2426	22	2446	nb <sup>018</sup> 32	2466
3/	2408	13	2428	Anbo 23	2448	33	2468
4 dek	2410	And 14 rek	2430	24	2450	34	2470
5 porek	2412	15	2432	25	2452	35 botto	2472
ek 6 000	2414	16	ote* 2434 Moot	26 Anbo	2454	rek 36 Ambi	2474
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	bote 2416 And	17	2436	otek 27 An	2456	,bote 37	2476
8	2418	18	2438	Anb <sup>01</sup> 28	2458	38	2478
Anbe 9 tek	2420	Anb 19	2440	29	2460	39	2480

## 1.5. Description of Test Modes

Pretest Modes	Descriptions
botek AnbTM1 Anbou	Keep the EUT in continuously transmitting mode with GFSK modulation.

## 1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.8dB Anborek Anborek Anborek
Occupied Bandwidth	925Hz Anborek Anborek Anborek
Conducted Output Power	0.76dB Anbotek Anbotek An
Power Spectral Density	0.76dB Anborek Anborek
Conducted Spurious Emission	1.24dBek Anborek Anburgtek Anborek
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3,53dB Modek Antonia A
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB
The measurement uncertainty and decision risk of	well-stad according to AP/MI DE E 022

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.









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## 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	Anbotek / Anbote	And Potek
Conducted Emission at AC power line	Mode1	P
Occupied Bandwidth	Mode1	P P
Maximum Conducted Output Power	Mode1	b Vi
Power Spectral Density	Mode1	inport Pk
Emissions in non-restricted frequency bands	Mode1	Anb Prek
Band edge emissions (Radiated)	Mode1	AP A
Emissions in frequency bands (below 1GHz)	Mode1	Panta
Emissions in frequency bands (above 1GHz)	Mode1	P And
Note: Anborek Anborek Anborek An	bb. A. abotek A	upote l

P: Pass

N: N/A, not applicable





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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	Anbe	k spotel	Anbore	All.
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
. 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
2 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2024-01-17	2025-01-16
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	rek /Anbotek	ek abotek

Maximum Conducted Output Power

**Power Spectral Density** 

Emissions in non-restricted frequency bands

Occupied Bandwidth

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
<b>1</b> An1	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A nbo	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
An4ote	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5,00	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03

Hotline

www.anbotek.com.cn

400-003-0500



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ote.	And	stek rupo.	N. Ok	pote.	AUS	iek
	edge emissions (Ra sions in frequency ba		Anbore	Anboick	Aupotek	Anbotek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 00	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2024-01-17	2025-01-16
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
nboto. 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Anbotek	Anborek
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
re <sup>k</sup> 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emiss	sions in frequency ba	ands (below 1GHz)				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
. 2	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16
34	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
4ntel	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, Noot	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 2.54 **dBi**. It complies with the standard requirement.





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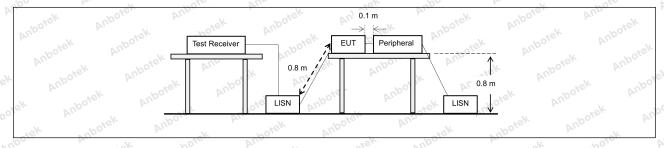
## 3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Exce section, for an intentional radiator public utility (AC) power line, the back onto the AC power line on a band 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms (LISN).	that is designed to be cor radio frequency voltage tha ny frequency or frequencie ot exceed the limits in the f	nnected to the at is conducted es, within the following table, as			
botek Anbor	Frequency of emission (MHz)	Conducted limit (dBµV)				
rue sek abotek	Anbo k hotek Anbort	Quasi-peak	Average			
Aupor Air	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5 And Andrews	56 NOTE AT	46			
Ans abote	5-30 And 5	60	50 And			
k Aupora VIII.	*Decreases with the logarithm of the frequency.					
Test Method:	ANSI C63.10-2020 section 6.2	Potek Anbore	And			
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from ur					

## 3.1. EUT Operation

Operating Envi	ronment:	Aupo	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





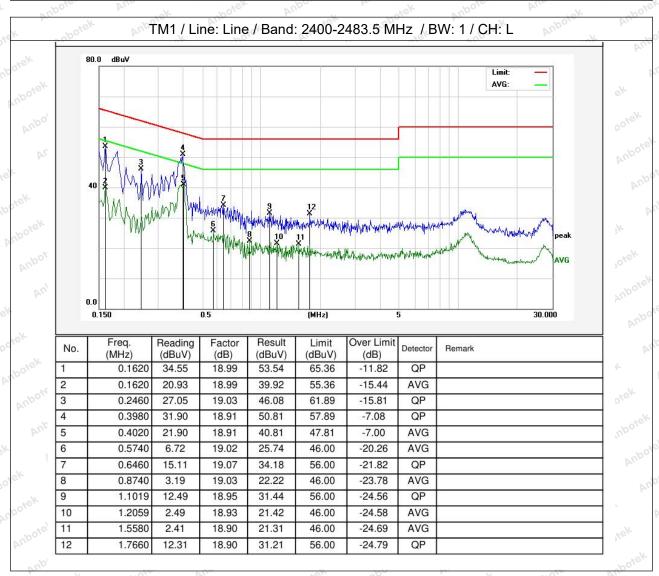
Hotline



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#### 3.3. Test Data

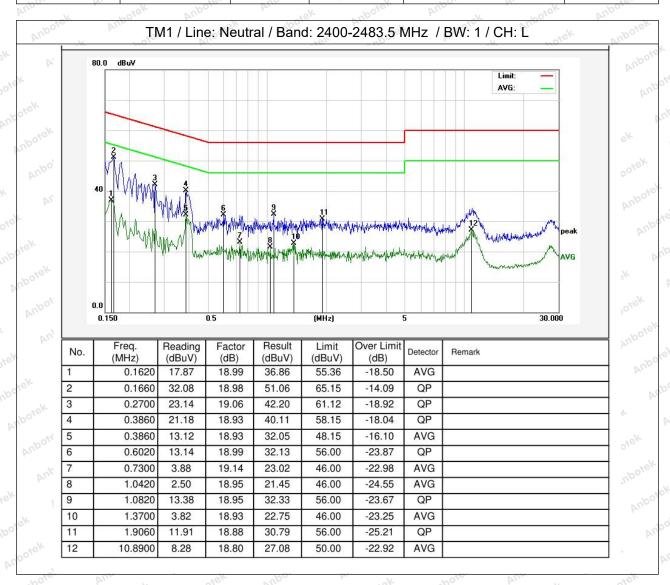
Temperature: 2	23.2 °C	Humidity:	55.1 %	Atmospheric Pressure:	101 kPa
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Temperature: 23.2 °C Humidity: 55.1 % Atmospheric Pressure: 101 kPa







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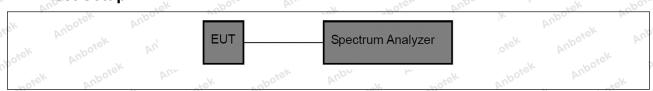
## 4. Occupied Bandwidth

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: 24.8 °C Humidity: 49 % Atmospheric Pressure: 101 k	Pa 🚕
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Please Refer to Appendix for Details.









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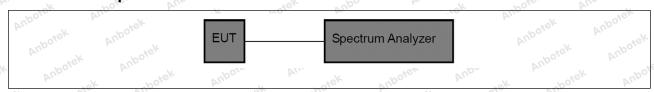
## 5. Maximum Conducted Output Power

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

0	Temperature:	24.8 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.



Hotline



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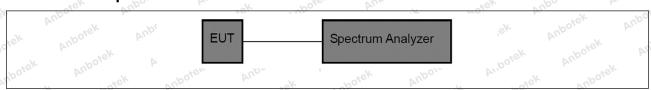
## 6. Power Spectral Density

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 MOGC.	modulation.					· · · · · ·	

## 6.2. Test Setup



#### 6.3. Test Data

Temperature:	24.8 °C	Humidity:	49 %	Atmospheric Pressure: 101 kPa
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Please Refer to Appendix for Details.





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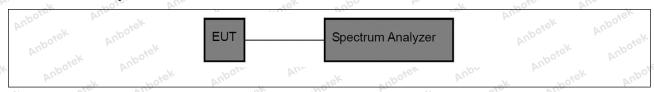
## 7. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Anbotek	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 El	JT in continu	ously tra	ansmitt	ing mode w	ith GFSK	ζο, ΄΄	24
Tool mode.	modulation.								P.

## 7.2. Test Setup



#### 7.3. Test Data

Temperature:	24.8 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa	
	100 - 110 OVUD	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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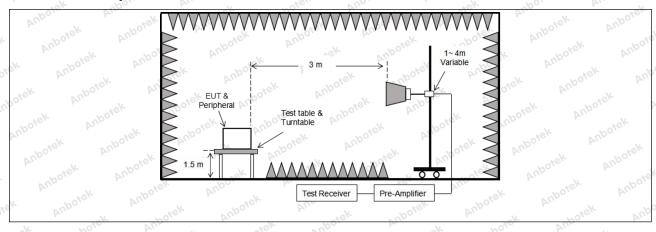
## 8. Band edge emissions (Radiated)

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 stek	0.009-0.490	2400/F(kHz)	300 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Spotek Anbo	0.490-1.705	24000/F(kHz)	30 Stek
in. "Sk "Upojer	1.705-30.0	30	30
Anbor Art	30-88	100 **	3,ek anbore
shotek Anbo	88-216	150 **	3
W. Spote	216-960	200 **	3 botes And
Aupor	Above 960	500 Morek Anbox	3 rek a
nbotek 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 80 kHz, 110–490 kHz and a	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 best 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
Potes Files	- 160, by	O 40°K Photek Pube	V Grek
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		Who who tek
Procedure:	ANSI C63.10-2020 section	6.10.5.2	Doi Air

## 8.1. EUT Operation

Operating Envir	ronment:	upotek	Anbo	An boiek	Anbores	AUR	stek m
Test mode:	1: TX mode: k modulation.	(eep the EU	Γ in continuo	usly transmitti	ng mode wi	th GFSK	obołek p

## 8.2. Test Setup





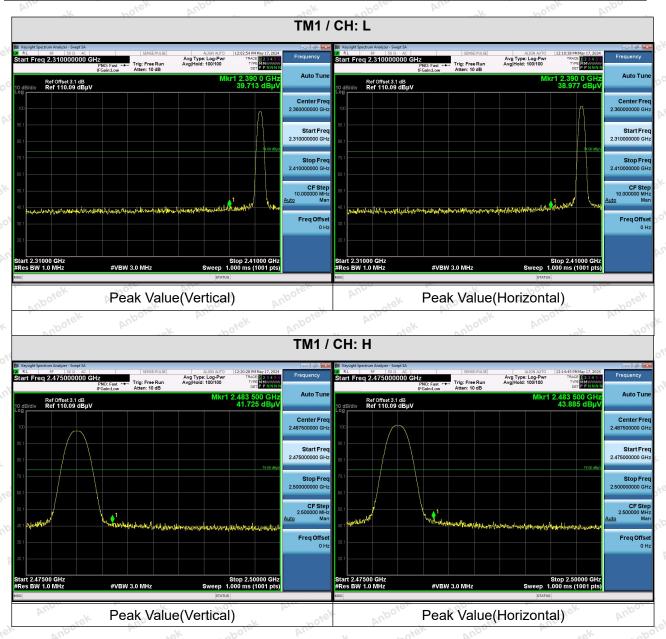




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#### 8.3. Test Data

Temperature: 24.8 °C Humidity: 49 % Atmospheric Pressure: 101 kPa



#### Remark:

1. During the test, pre-scan all modes, the report only record the worse case mode.

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 tol
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
poier Bup.	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 An	

## 9.1. EUT Operation

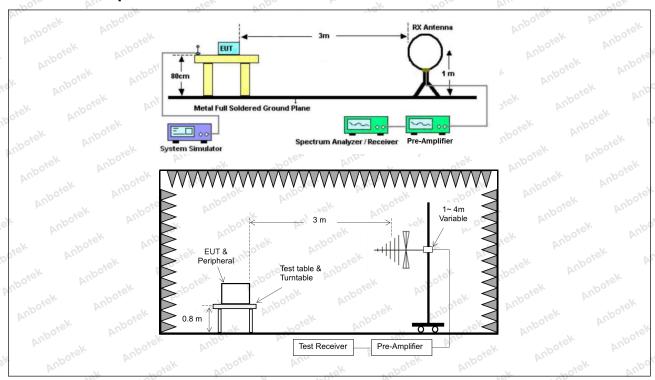
,o¹	Operating Envir	onment:	anboten	Anbe	botel	Anbore	bu.	rick vy
	Test mode:	1: TX mode: Ke	eep the EUT	in continue	ously transm	itting mode	with GFSK	Upo Pak
70	00	modulation.	DI		ter Tup.		rek .	oporo





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#### 9.2. Test Setup





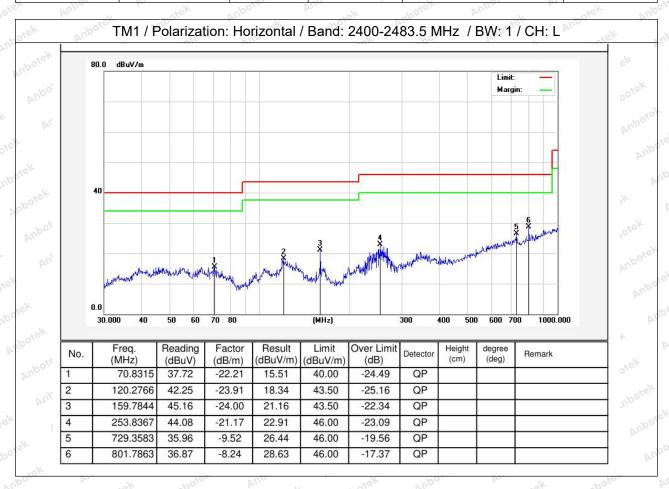


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#### 9.3. Test Data

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:	24.8 °C	DUR	Humidity:	49%	A to dre	Atmospheric Pressure:	101 kPa
	- : : :			7.0	127	turrio priorito i gossocii o i	y

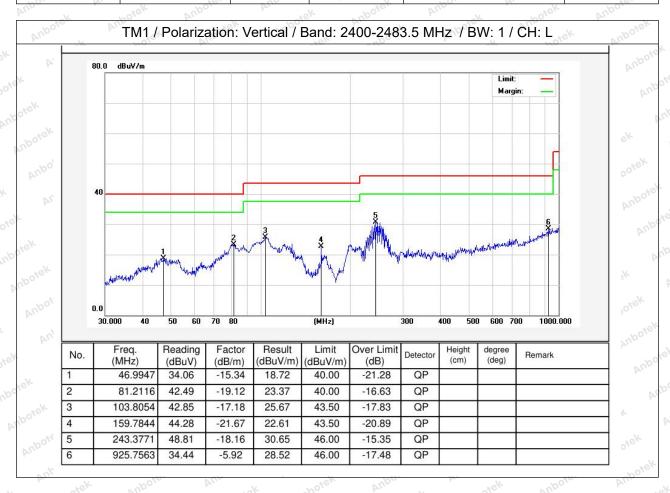






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Temperature: 24.8 °C Humidity: 49 % Atmospheric Pressure: 101 kPa







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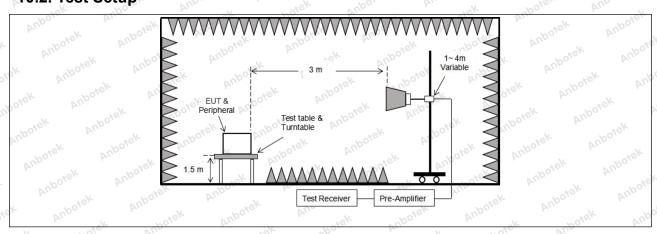
## 10. Emissions in frequency bands (above 1GHz)

Test Requirement:		ions which fall in the restricted becomply with the radiated emission 5(c)).	
k Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300 Mboli
abotek Anbo	0.490-1.705	24000/F(kHz)	30 Stek
	1.705-30.0	30	30 And
	30-88	100 **	3,ek anbote
	88-216	150 **	3
	216-960	200 **	3 boten And
	Above 960	500 Market Ando	3
	frequency bands 54-72 MH However, operation within sections of this part, e.g., § In the emission table abov The emission limits shown employing a CISPR quasi-90 kHz, 110–490 kHz and these three bands are bas	ting under this section shall not dz, 76-88 MHz, 174-216 MHz or these frequency bands is permi §§ 15.231 and 15.241. e, the tighter limit applies at the in the above table are based or peak detector except for the freedown measurements employing	tted under other band edges. measurements quency bands 9— ssion limits in
notek pubort	detector.	ipo karangan Anboys	WI.
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 I	· U	tek Auporg
Procedure:	ANSI C63.10-2020 section	200	NO.

## 10.1. EUT Operation

Operating Envi	onment:	upotek	Aupo,	-hotek	Aupote.	VUP.	tek an
Test mode:	1: TX mode: K	eep the EU	Γ in continuo	usly transmittir	ng mode with	n GFSK	a.V.
TOSE HIDGE.	modulation.						bote.

## 10.2. Test Setup









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## 10.3. Test Data

Temperature: 24.8 °C Humidity: 49 % Atmospheric Pressure: 101 kPa

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	27.18	15.27	42.45	74.00	-31.55	Vertical	
7206.00	27.46	18.09	45.55	74.00	-28.45	Vertical	
9608.00	27.88	23.76	51.64	74.00	-22.36	Vertical	
12010.00	Anboie * A	iek .	abotek Anb	74.00	otek Anbor	Vertical	
14412.00	VUPO*SIK	Aupo.	Polek b	74.00	siek sak	Vertical	
4804.00	26.96	15.27	42.23	74.00	-31.77	Horizontal	
7206.00	27.51	18.09	45.60	74.00	-28.40	Horizontal	
9608.00	27.57	23.76	51.33	74.00	-22.67	Horizontal	
12010.00	otek * Aupo	-K 20	ick Aupote	74.00	- abotek	Horizontal	
14412.00	wotek* An	bose, Vur	rek nb	74.00	K hote	Horizontal	
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization	
4804.00	15.45	15.27	30.72	54.00	-23.28	Vertical	
7206.00	16.51	18.09	34.60	54.00	-19.40	Vertical	
9608.00	17.35	23.76	41.11	54.00	-12.89	Vertical	
12010.00	TO STATE OF THE ST	inbotek An	PO. 10.	54.00	Blus.	Vertical	
14412.00	Anbe * ak	sboick	Aupore Ar	54.00	Ipo,ck Vup.	Vertical	
4804.00	15.29	15.27	30.56	54.00	-23.44	Horizontal	
7206.00	16.54	18.09	34.63	54.00	-19.37	Horizontal	
9608.00	17.08	23.76	40.84	54.00	-13.16	Horizontal	
12010.00	* *	otek Anbor	N No.	54.00	Vup.	Horizontal	
14412.00	4 ×	siek sut	Oto. Vupp	54.00	Ck Aupos	Horizontal	





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				hotek	Aupor	, ek
			TM1 / CH: M			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	26.73	15.42	42.15	74.00	-31.85	Vertical
7320.00	27.43	18.02	45.45	74.00	-28.55	Vertical
9760.00	27.38	23.80	51.18	74.00	-22.82	Vertical
12200.00	ek * nbotek	Anbor	hotek	74.00	And	Vertical
14640.00	* *	ick Aupore	Vun	74.00	Aupo	Vertical
4880.00	26.77	15.42	42.19	74.00	-31.81	Horizontal
7320.00	27.38	18.02	45.40	74.00	-28.60	Horizontal
9760.00	27.29	23.80	51.09	74.00	-22.91	Horizontal
12200.00	* otek	Anboie	Ant	74.00	YUPO, OK	Horizontal
14640.00	A.* Otek	nbotek	Aupo	74.00	Aupore	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	15.54	15.42	30.96	54.00	-23.04	Vertical
7320.00	16.37	18.02	34.39	54.00	-19.61	Vertical
9760.00	17.20	23.80	41.00	54.00	-13.00	Vertical
12200.00	k ¥upor	N Diek	anbotek	54.00	aboiek	Vertical
14640.00	otek * Anboti	And	sk spojek	54.00	p	Vertical
4880.00	15.40	15.42	30.82	54.00	-23.18	Horizontal
7320.00	16.89	18.02	34.91	54.00	-19.09	Horizontal
9760.00	17.38	23.80	41.18	54.00	12.82 And	Horizontal
12200.00	Anboten	Anb rek	bojek	54.00	- wotek	Horizontal
14640.00	* botek	Anbo	N. Siek	54.00	AUG	Horizontal



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					VUDO	
		-	TM1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	26.86	15.58	42.44	74.00	31.56 mbo	Vertical
7440.00	27.59	17.93	45.52	74.00	-28.48	Vertical
9920.00	28.08	23.83	51.91	74.00	-22.09	Vertical
12400.00	* hotel	Aupore	Yun Jick	74.00	Anbo	Vertical
14880.00	* 5/11	iek vupo <sub>tel</sub>	Augo	74.00	Anbore	Vertical
4960.00	26.91	15.58	42.49	74.00	-31.51	Horizontal
7440.00	27.59	17.93	45.52	74.00	-28.48	Horizontal
9920.00	27.67	23.83	51.50	74.00	-22.50	Horizontal
12400.00	And * stek	nbotek	Pupo.	74.00	upore An	Horizontal
14880.00	MA*	abotek	Aupore,	74.00	Anbotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	16.66	15.58	32.24	54.00	-21.76	Vertical
7440.00	17.64	17.93	35.57	54.00	-18.43	Vertical
9920.00	17.85	23.83	41.68	54.00	-12.32	Vertical
12400.00	k *nbotek	Anbo	botek	54.00	VII.	Vertical
14880.00	* * * * * *	ek Vupor	k bi.	54.00	Aug.	Vertical
4960.00	16.58	15.58 ADO	32.16	54.00	-21.84	Horizontal
7440.00	17.69	17.93	35.62	54.00	-18.38	Horizontal
9920.00	17.53	23.83	41.36	54.00	12.64 No	Horizontal
12400.00	* torek	Aupore	Armojek	54.00	100 P	Horizontal
14880.00	* * *	Spores	AUD	54.00	PUPO, b	Horizontal

#### Remark:

- 1. Result =Reading + Factor
- "\*" 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 -----

