

 Report No.:
 18220WC30258901
 FCC ID: 2BDY9-WGM824
 Page 1 of 30

FCC Test Report

Applicant : MKETech Electronics

Address 2000 South Grove Avenue, Suite 109, Ontario, California, United States

Product Name : WIRELESS MOUSE

Report Date : May 20, 2024



Shenzhen Anbotek

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel: (86)0755–26066440 Fax: (86)0755–26014772 Email:service@anbotek.com





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Trade Mark

Test Standard(s)

Rating(s)

Input: 5V- (with DC 3.7V, 500mAh battery inside)

47 CFR Part 15.247 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:

Date of Test:

Dec. 05, 2023

Dec. 05, 2023 to Dec. 19, 2023

Ella siang

(Ella Liang)

Idward pan

(Edward Pan)

Approved & Authorized Signer:

Shenzhen Anbotek Compliance Laboratory Limited

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Hotline 400-003-0500 www.anbotek.com.cn



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Prepared By:



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Revision History

Report Ver	Description			Issued Date				
R00	botek Ant	otek	Original Issue.	Anbotek	Anbore	May 20,	2024	Anbote
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ote Antotek	Anboten	Anberbote	k Anbotek	Anbore	A Alex	Anbotek	Anboten	e K

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FCC ID: 2BDY9-WGM824

1. General Information

1.1. Client Information

Applicant	:	MKETech Electronics
Address	:	2000 South Grove Avenue, Suite 109, Ontario, California, United States
Manufacturer	:	Dongguan ShangGui Electronics Co.,Ltd.
Address	:	Room 101, No.7, Yincheng 7nd Road, Xiabian Village, Chang'an Town, Dongguan City, GuangDong Province, China
Factory	:	Dongguan ShangGui Electronics Co.,Ltd.
Address	:	Room 101, No.7, Yincheng 7nd Road, Xiabian Village, Chang'an Town, Dongguan City, GuangDong Province, China

1.2. Description of Device (EUT)

Product Name	:	WIRELESS MOUSE
Test Model No.	:	NIGHT WALKER
Reference Model No.	:	WGM 824 (Note: All samples are the same except the model number, so we prepare "NIGHT WALKER" for test only.)
Trade Mark	:	N/A Anbore Ant aborek Anborek Anborek Anbo
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	:	N/Aotek Anborek Anborek Anborek Anborek Anborek
RF Specification		
Operation Frequency	-	2402MHz to 2480MHz
Number of Channel	:	40 Anborek Anborek Anborek Anborek Anborek Anborek
Modulation Type	:	GFSK Anborek Anborek Anborek Anborek Anborek
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	4.43dBi
		ation are provided by customer. eatures description, please refer to the manufacturer's specifications or the

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1.3. Auxiliary Equipment Used During Test

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

1.4. Operation channel list

Operation Band:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Anboten	2402	10 ^M	2422	20	2442	And 30 tek	2462
Antoter	2404	1,Botek	2424	21 otek	2444	31	2464
2, nbote	2406	12 12 Anbote	2426	22	2446	32	ex 2466 00
K 3 Aupo	2408	otek 13 Ant	2428 ¹⁰⁰	23	pote ^x 2448 pr. 100	33 400	2468
ote ^k 4 A	2410	vote 14	2430	24	2450	34	2470
nb ^{ot} 5	2412	15	2432	25	2452	Anbois	2472
6 tek	2414	16	2434	26	2454	36	2474
7 nbotek	2416	17 bote	2436	27	2456	3710010	2476
× 8 Anbo	2418	18	2438	28	ote ^x 2458	ek 38 Anbo	2478
stek 9 An	o ^{otek} 2420 M ^{hbf}	19	2440	29	2460	oo ^{tek} 39 M	2480

1.5. Description of Test Modes

Pretest Modes	Descriptions
Anbotek TM1 ^{Anbo}	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)	3.8dB
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

level using a coverage factor of k=2.

1.7. Test Summary

Test Items	Test Modes	Status	
Antenna requirement	tek nodek Anbo	P An	
Conducted Emission at AC power line	Mode1	P P	
Occupied Bandwidth	Mode1	Anbor P.ek	
Maximum Conducted Output Power	Mode1	Anpon de	
Power Spectral Density	Mode1	P	
Emissions in non-restricted frequency bands	Mode1	P Anb	
Band edge emissions (Radiated)	Mode1	^{ooter} P ^A	
Emissions in frequency bands (below 1GHz)	Mode1	Anbore P	
Emissions in frequency bands (above 1GHz)	Mode1 Mode1	Anbore	
Note: P: Pass	Anbotek Anbotek	Anbore	

Anbot

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

- 1. 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

Conducted Emission at AC power line	

200	N N	LOTO AND		× 200	Pri Ve	10 ¹⁰
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 Anbo	rek /Anbotek	Anboi
	you you	Pr.	yer Wh		Toda Yay	bi.

Maxir Powe	pied Bandwidth num Conducted Out r Spectral Density sions in non-restricte	oter Ann ek	Anbotek A	Anbotek Anbotek		
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
Ant Ant	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/Achoo	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	2023-02-23	2024-02-22
5.nb	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6 P	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2023-02-23	2024-10-22

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	edge emissions (Ra sions in frequency ba		Anboro	Anbotek	Anbotek	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	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2023-10-12	2024-10-11	
3	3 Double Ridged Horn Antenna SCHWARZBECK		BBHA 9120D	02555	2022-10-16	2025-10-15	
^{1b} 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	And	Anbotek	
5	5 Horn Antenna	Horn Antenna A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11	
6	6 Spectrum Analyzer Rohde & Schwarz		FSV40-N	101792	2023-05-26	2024-05-25	
^{رو/۲}	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24	

Emissions in frequency bands (below 1GHz)

	biene in inequency be					oter	
Item Equipment M		Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date	
1	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	
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22	
Antote	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11	
5.nb	EMI Test Software EZ-EMC	SHURPLE	N/A N/A	K N/A.nbot	Anboi Anboi	K Anbotek	

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2. Antenna 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
	Test Requirement:	shall be used with the device. The use of a permanently attached antenna or
	All stek anbot	of an antenna that uses a unique coupling to the intentional radiator shall be
e		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 4.43 dBi . It complies with the standard requirement.

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AUR

3. Conducted Emission at AC power line

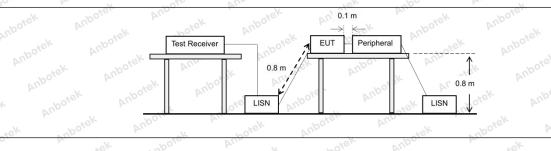
Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the r back onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN).	that is designed to be con adio frequency voltage that ny frequency or frequencie at exceed the limits in the f	nected to the at is conducted s, within the ollowing table, as			
botek Anbore	Frequency of emission (MHz)	Conducted limit (dBµV)	Ant			
	Anbo k hotek Anbore	Quasi-peak	Average			
Anbors An.	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5 tek photo And	56 M	46			
	5-30	60	50 ten And			
	*Decreases with the logarithm of the frequency.					
Test Method:	ANSI C63.10-2020 section 6.2	An botek Anboten	Antherek			
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un					

3.1. EUT Operation

Operating Environment:

1: TX mode: Keep the EUT in continuously transmitting mode with GFSK Test mode: modulation.

3.2. Test Setup



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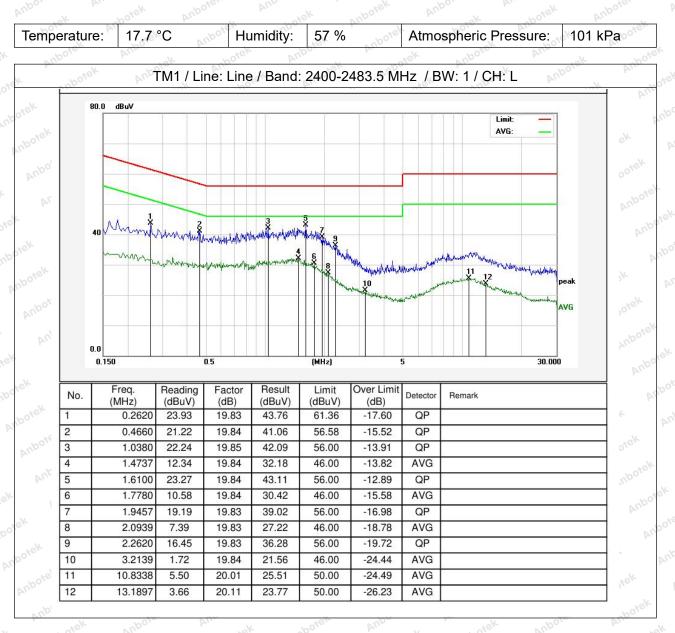
Address:1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755-26066440 Fax:(86)0755-26014772 Email:service@anbotek.com





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3.3. Test Data

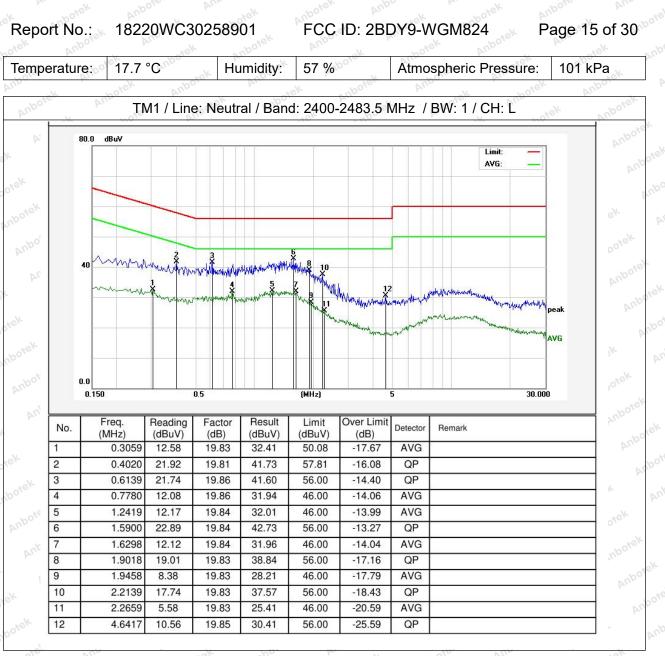


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Note: Only record the worst data in the report.

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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
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.
Anbotek Anbote	 b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold.
btek Anboi Ai.	 e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one
Procedure:	at the lowest frequency and the other at the highest frequency of the 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.
tek Anbotek Anbo	11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be
Anbotek Anbotek A	employed using the X dB bandwidth mode with \vec{X} set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW \ge 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 \geq 6 dB.

4.1. EUT Operation

Operating Env	vironment:	Ann	anbotek	Anbo	~botek	Anbore
Test mode:	1: TX mode: Kee	o the EUT in c	ontinuously	transmitting mo	de with GFSK	nboter
Test mode.	modulation.	K abote.	Ant	K hotek	Anbo.	A. stek

4.2. Test Setup

		EUT	Spectrum A	nalyzer		
4.3. Test Dat	tä ^{otek} An-	otek Anbotek	Anbu. Anbotek	Anbotek	Anbotek Anbotek	Anborek Anborek
Temperature:	25.3 °C	Humidity: 4	6 %	Atmospheric	Pressure:	101 kPa

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5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	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 Envir	ronment:	abotek	Anbort	Du.	otek	Anboten	Anb		
Test mode:	1: TX mode modulation.	: Keep the E	UT in continu	iously tr	ansmit	ting mode	with GFS	SK	- Pr

5.2. Test Setup

	anbore				Ĩ		
	abotek	EUT	Spec	trum Analyzer			
	All						
1	Anb					V sotek	

5.3. Test Data

				10.	
LOTO AM	DE 2 °C unter		10.01	A hore Alle	40415
Plemperature:	25.3 °C	Humidity:	46 %	Atmospheric Pressure:	∣ 101 kPa
- Vi	OLC DILL	*O*	000	.V	D.C.
		, vo.		36. 604	

Please Refer to Appendix for Details.

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Anbo

Anbo

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 En	vironment:					nboten		r vot
Test mode:	1: TX mod	le: Keep	the EUT ir	n continu	iously tra	nsmitting r	node with GFSI	< AND
Test mode.	modulatio	n. pore						

6.2. Test Setup

		- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
	EUT	Spectrum Analyzer
	30.	

Anb

6.3. Test Data

Temperature: 25.3 C Humidity: 46 % Atmospheric Pressure: 101 kPa	lemperature:	ire: 25.3 °C	Humidity:	46 %	Aupo.	Atmospheric Pressure:	101 kPa	<i>p</i>
--	--------------	--------------	-----------	------	-------	-----------------------	---------	----------

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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 Anborek Test Anborek Anborek Anborek Anborek Anborek 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 Envir	ronment:	abotek	Anbore	Andhotek	Anbotek	Anbo	k
Test mode:	1: TX mode: modulation.	Keep the El	JT in continu	ously transn	nitting mode v	vith GFSK	otek
	000		×			10. 10.	,

7.2. Test Setup

	Anbore	EUT	Spect	rum Analyzer		
×	Anbotek	Anbore		aboten	Anb	

7.3. Test Data

Tempera	ture:	25.3 °C	Humidity	: 46 %	Atmospheric		101 kPa	
-xer	~ 0P5	T	K NOT	- Pri-	19	000-		6

Please Refer to Appendix for Details.

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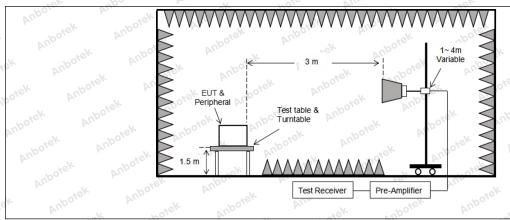
8. Band edge emissions (Radiated)

Test Requirement:	restricted bands, as defined	In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	ly with the
K Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
v wotek	0.009-0.490	2400/F(kHz)	300 mb ^{ote}
nboten Anos	0.490-1.705	24000/F(kHz)	30 John
atek Anborer	1.705-30.0	30° All atek mbo	30 And
Anbo h. hotek	30-88	100 **	3 ek noore
aboten Anbe	88-216	150 **	3
Ar. stek subote	216-960	200 **	3 boten And
Anbo. A.	Above 960	500 Motel Anabo	3 dek onb
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote tek Anbotek Anbo	frequency bands 54-72 MH However, operation within t 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 a	ng under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emised on measurements employing	470-806 MHz. aed under other band edges. measurements uency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ak Anboten
Procedure:	ANSI C63.10-2020 section	6.10.5.2	por Ann atek
AST LAND	NUPP 1		noten Anbo

8.1. EUT Operation

Operating Envir	ronment:	nbotek	Anbor	An	Anboten	And	20
Test mode:	1: TX mode: H	Keep the EUT	Γ in continuou	isly transmitti	ng mode with	ו GFSK	- A
proof mode.	modulation.	Ann	V	Anbo.	Pr.	et spo	10.

8.2. Test Setup



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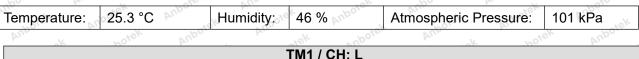


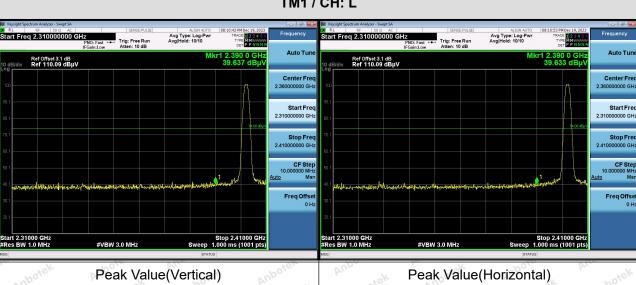


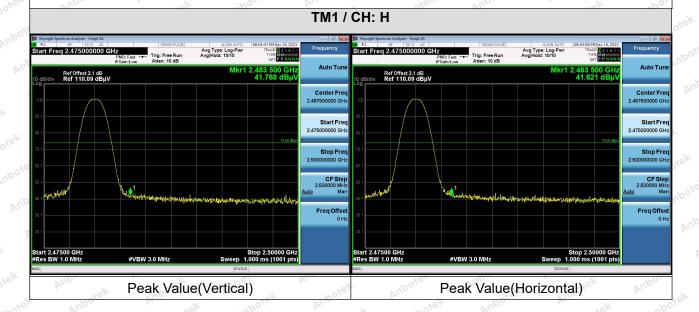
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8.3. Test Data







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)

Test Requirement:	restricted bands, as defined	, In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	ly with the
Anbotek Anbot otek Anbotek Ant	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
k hotek	0.009-0.490	2400/F(kHz)	300 mb ^{ote}
nboten Anbo	0.490-1.705	24000/F(kHz)	30 Jotek
atek unbote.	1.705-30.0	30° hi atek mbo	30
Anbo	30-88	100 **	3tek Anbore
anboten Anbo	88-216	150 **	3
Al stek unbote	216-960	200 **	3 boter Ant
Test Limit:	Above 960	500 hotek Anbo	3 otek and
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek tek Anbotek Anbote	intentional radiators operati frequency bands 54-72 MH However, operation within t 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 a	ragraph (g), fundamental emissi ing under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing	e located in the 470-806 MHz. aed under other band edges. measurements uency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ek Anbore
Procedure:	ANSI C63.10-2020 section	6.6.4	port An.

9.1. EUT Operation

o'	Operating Envir	onment:	Anbotek	Anbo	Anotek	Anborer	Anv	Nek	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1017.	lest mode.	1: TX mode: Ke	ep the EU	Γ in continuou	sly transmittir	ng mode witl	n GFSK	00	
		modulation.	AUD	K note	K Aupor	Pr.	×6×	aboter	

Shenzhen Anbotek Compliance Laboratory Limited

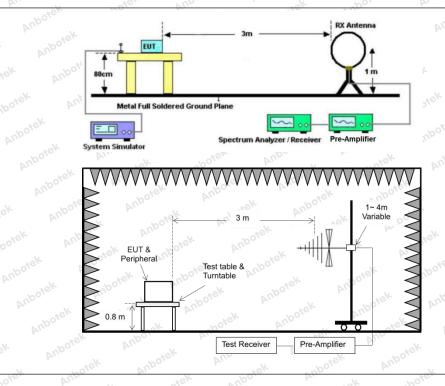
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





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9.2. Test Setup



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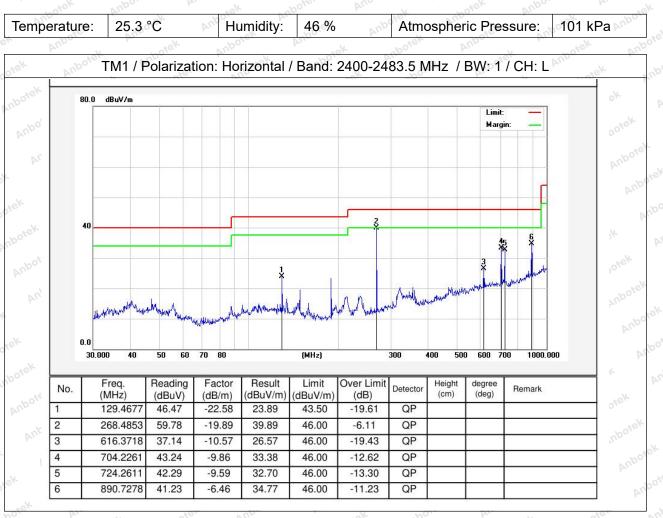




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9.3. Test Data

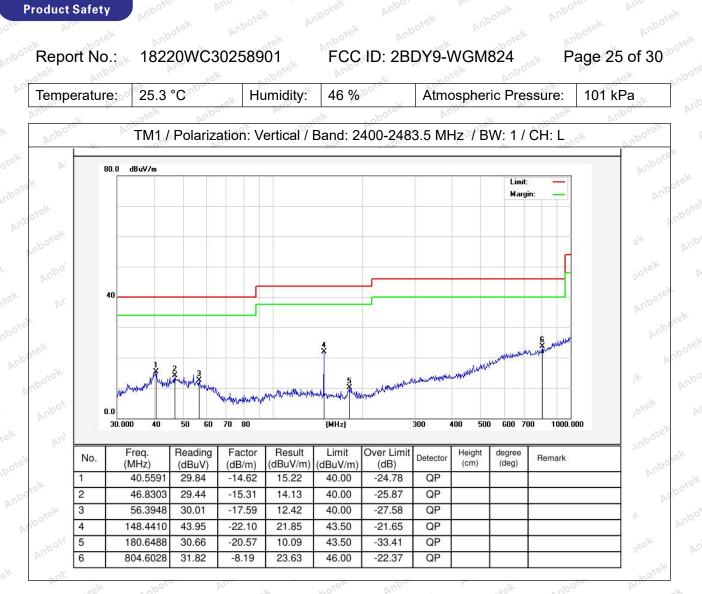
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.



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Note: Only record the worst data in the report.

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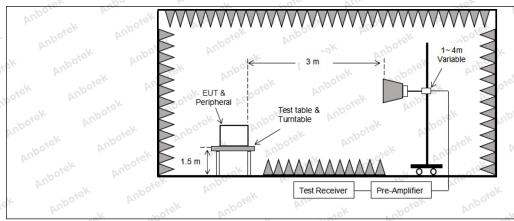
10. Emissions in frequency bands (above 1GHz)

Test Requirement:		omply with the radiated emissior	
K Anbotek Anbon	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anbotek Anbotek	0.009-0.490 0.490-1.705	2400/F(kHz) 2400/F(kHz)	300 30
Anbotek Anbo.	1.705-30.0 30-88 88-216	100 **	3rek Anbore
Anbotek Anbote	216-960 Above 960	200 ** 500	3
Test Limit: Drek Anborek	intentional radiators operati frequency bands 54-72 MH However, operation within t 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 a these three bands are base detector.	ng under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241. a, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emise of on measurements employing	e located in the 470-806 MHz. ed under other band edges. measurements uency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 N	Ency (MHz)Field strength (microvolts/meter)Measurement distance (meters)0.4902400/F(kHz)3001.70524000/F(kHz)3030.0303030.0303030.03030100 **330200 **39605003pt as provided in paragraph (g), fundamental emissions from nal radiators operating under this section shall not be located in the cy bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. er, operation within these frequency bands is permitted under other s of this part, e.g., §§ 15.231 and 15.241.mission table above, the tighter limit applies at the band edges. ission limits shown in the above table are based on measurements ing a CISPR quasi-peak detector except for the frequency bands 9– 110–490 kHz and above 1000 MHz. Radiated emission limits in oree bands are based on measurements employing an average r.63.10-2020 section 6.6.4 8074 D01 15.247 Meas Guidance v05r02	
Procedure:	ANSI C63.10-2020 section	6.6.4 M	por Ar Anbotek

10.1. EUT Operation

Operating Envir	onment:	Anbotek	Anbore	An	Anboten	Annotel	4
Test mode:	1: TX mode: I modulation.	Keep the EUT	Γ in continuou	sly transmittir	ng mode with	n GFSK	ote ^k

10.2. Test Setup



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10.3. Test Data

Temperature:	25.3 °C	Humidity:	46 %	Atmospheric Pressure:	101 kPa
20V		00. P.		NON CONTRACTOR	

		-	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	28.42	15.27	43.69	74.00	-30.31	Vertical
7206.00	28.49	18.09	46.58	74.00	-27.42	Vertical
9608.00	29.33	23.76	53.09	74.00	-20.91	Vertical
12010.00	Anbote * Ar	in sek	hotek Anb	74.00	otek Anbott	Vertical
14412.00	Anbo*ek	Anbo	botek P	74.00	stek ont	Vertical
4804.00	28.09	15.27	43.36	74.00	-30.64	Horizontal
7206.00	29.00	18.09	47.09	74.00	-26.91	Horizontal
9608.00	28.10	23.76	51.86	74.00	-22.14	Horizontal
12010.00	potek * Anbo	ak ho	rek Anbore.	74.00	t nbotek	Horizontal
14412.00	botek* An	pore Arr	atek anbo	74.00	walk woote	Horizontal

Average value:

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	16.69	15.27	31.96	54.00	-22.04	Vertical
7206.00	17.54	18.09	35.63	54.00	-18.37	Vertical
9608.00	18.80	23.76	42.56	54.00	-11.44	Vertical
12010.00	notet.	Anboten An	-iek	54.00 × 54	-k	Vertical ^o
14412.00	And *	abotek	Anbo, A.	54.00	bote. And	Vertical
4804.00	16.42	15.27	31.69	54.00	-22.31	Horizontal
7206.00	18.03	18.09	36.12	54.00	-17.88	Horizontal
9608.00	17.61, pore	23.76	41.37	54.00	-12.63	Horizontal
12010.00	sek *	otek Anbo.	ak not	54.00	And	Horizontal
14412.00	hoo *	hotek Ant	ote. And	54.00	ek Anbo	Horizontal
		Clar.	10.	6 Y Y Y	N	10 000

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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	27.97	15.42	43.39	74.00	-30.61 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Vertical			
7320.00	28.46	18.02	46.48	74.00	-27.52	Vertical			
9760.00	28.83	23.80	52.63	74.00	-21.37	Vertical			
12200.00	ek * nbotek	Anbor	hotek	74.00	Ann	Vertical			
14640.00	*	rek Anbore	Ann	74.00	Anbor	Vertical			
4880.00	27.90	15.42	43.32	74.00	-30.68	Horizontal			
7320.00	28.87	18.02	46.89 M	74.00	10 -27.11 noot	Horizontal			
9760.00	27.82	23.80	51.62	74.00	-22.38	Horizontal			
12200.00	* otek	Anbore	Ann	74.00	nbor pr.	Horizontal			
14640.00	Alt stok	nbotek	Anboro	74.00	Anboren	Horizontal			
Average value:									
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization			
4880.00	16.78	15.42	32.20	54.00	-21.80	Vertical			
7320.00	17.40	18.02	35.42	54.00	-18.58	Vertical			
9760.00	18.65	23.80	42.45	54.00	-11.55	Vertical			
12200.00	K Anbore	Ann	Anboten	54.00	abotek	Vertical			
14640.00	otek * Anbot	Anbe	ek abotek	54.00	Amorek	Vertical			
4880.00	16.53	o ¹⁶ 15.42	31.95	54.00	-22.05	Horizontal			
7320.00	18.38	18.02	36.40	54.00	-17.60	Horizontal			
9760.00	17.91	23.80	41.71	54.00	-12.29 M	Horizontal			
12200.00	Antotek	Anbo	abotek	54.00	potek A	Horizontal			
14640.00	* hotek	Anbor	Mr. stek	54.00	Ano	Horizontal			

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Anbotek **Product Safety**

Report No.:	18220WC302	nbotek	Anbo.	DY9-WGM82	Anbore. A	ge 29 of 30
		-	ГM1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatior
4960.00	28.10	15.58	43.68	74.00	-30.32	Vertical
7440.00	28.62	17.93	46.55	74.00	-27.45	Vertical
9920.00	29.53	23.83	53.36	74.00	-20.64	Vertical
12400.00	* wotek	Anboten	And	74.00	Anbore	Vertical
14880.00	* And	ek nbotel	Anbor	74.00	Anboten	Vertical
4960.00	28.04 M	15.58	43.62	74.00	-30.38	Horizontal
7440.00	29.08	17.93	47.01	74.00	-26.99	Horizontal
9920.00	28.20	23.83	52.03	74.00	-21.97	Horizontal
12400.00	And * * ek	abotek	Anbo, p	74.00	inboten Ant	Horizontal
14880.00	Art OCK	p	Anboren	74.00	anbotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarizatio
4960.00	17.90	15.58	33.48	54.00	-20.52	Vertical
7440.00	18.67	17.93	36.60	54.00	bote-17.40 pm	Vertical
9920.00	19.30	23.83	43.13	54.00	-10.87	Vertical
12400.00	k *nbotek	Anbo.	hotek	54.00	Ann	Vertical
14880.00	*	k anbore	An	54.00	And	Vertical

54.00

54.00

54.00

54.00

54.00

-20.71

-16.89

-12.11

Remark:

4960.00

7440.00

9920.00

12400.00

14880.00

1. Result =Reading + Factor

17.71

19.18

18.06

*

* .0

15.58

17.93

23.83

2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

33.29

37.11

41.89

Shenzhen Anbotek Compliance Laboratory Limited

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Horizontal

Horizontal

Horizontal

Horizontal

Horizontal



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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 ----

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