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FCC Test Report

Applicant MKETech Electronics

2000 South Grove Avenue, Suite 109, Ontario, Address

California, United States

WIRELESS MOUSE Product Name

: May 20, 2024 **Report Date**



ce Laboratory Limited







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TEST REPORT

Applicant : MKETech Electronics

Manufacturer : Dongguan ShangGui Electronics Co.,Ltd.

Product Name : WIRELESS MOUSE

Test Model No. : MKE 604

Reference Model No. : VM604

Trade Mark : N/A

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

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:	Dec. 05, 2023
Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek Anbote
Date of Test:	Dec. 05, 2023 to Dec. 20, 2023
Anbotek Anbotek Anbotek Anbotek Anb	Ella Liang
Prepared By:	"In the Pupoter Hup) of the Potek
	(Ella Liang)
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Approved & Authorized Signer:	The Who Wek Who, W.
And And	(Edward Pan)







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Revision History

	Report Version	Description	Issued Date
	Anbore R00 potek Ant	Original Issue.	May 20, 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

A (1)*	V-	No. M.
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)

_k vo' A	11.	ter and the sex port All
Product Name	:	WIRELESS MOUSE
Test Model No.	:	MKE 604
Reference Model No.	:	VM604 (Note: All samples are the same except the model number, so we prepare "MKE 604" for test only.)
Trade Mark	:	N/A Anbore Anborek Anborek Anborek Anborek Anborek Anborek
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/A otek Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	140 Anbotek Anbotek Anbotek Anbotek Anbotek Ar
Modulation Type	:	GFSK Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	4.43dBi
02	- 6	Star Maria

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	MDY-11-EX	SA62212LA04358J

1.4. Operation channel list

Operation Band:

Juliu.		20. Pr.	0.0	- VID. VUL		- Va.
Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
2402	10 ¹	2422	20	2442	30,04	2462
2404	13otek	2424	21 otek	2444	31	2464
2406	12 _{nb} ote	2426	22	2446	32	2466
2408	tek 13 ant	2428	23	2448	33	2468
2410	14	2430	24	2450	34	2470
2412	15	2432	25	2452	Anh 35	2472
2414	16	2434	26	2454	36	2474
2416	17 000	2436	27	2456	37	2476
2418	18	2438	28	2458	38 🗥	2478
2420 And	19	2440	29	2460	oo ^{tek} 39 M	2480
	Frequency (MHz) 2402 2404 2406 2408 2410 2412 2414 2416 2418	Frequency (MHz) Channel 2402 10 2404 11 2406 12 2408 13 2410 14 2412 15 2414 16 2416 17 2418 18	Frequency (MHz) Channel Frequency (MHz) 2402 10 2422 2404 11 2424 2406 12 2426 2408 13 2428 2410 14 2430 2412 15 2432 2414 16 2434 2416 17 2436 2418 18 2438	Frequency (MHz) Channel Frequency (MHz) Channel 2402 10 2422 20 2404 11 2424 21 2406 12 2426 22 2408 13 2428 23 2410 14 2430 24 2412 15 2432 25 2414 16 2434 26 2416 17 2436 27 2418 18 2438 28	Frequency (MHz) Channel Frequency (MHz) Channel Frequency (MHz) 2402 10 2422 20 2442 2404 11 2424 21 2444 2406 12 2426 22 2446 2408 13 2428 23 2448 2410 14 2430 24 2450 2412 15 2432 25 2452 2414 16 2434 26 2454 2416 17 2436 27 2456 2418 18 2438 28 2458	Frequency (MHz) Channel Frequency (MHz) Channel Frequency (MHz) Channel 2402 10 2422 20 2442 30 2404 11 2424 21 2444 31 2406 12 2426 22 2446 32 2408 13 2428 23 2448 33 2410 14 2430 24 2450 34 2412 15 2432 25 2452 35 2414 16 2434 26 2454 36 2416 17 2436 27 2456 37 2418 18 2438 28 2458 38

1.5. Description of Test Modes

	Pretest Modes	Descriptions
4	Anbotek TM1 ^{Anbo} obotek	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 Anborek Anborek
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 updek Aupo	P An
Conducted Emission at AC power line	Mode1	P P
Occupied Bandwidth	Mode1	Anbor Piek
Maximum Conducted Output Power	Mode1	ANDO.
Power Spectral Density	Mode1	Problem
Emissions in non-restricted frequency bands	Mode1	P And
Band edge emissions (Radiated)	Mode1	P P
Emissions in frequency bands (below 1GHz)	Mode1	Anbore P
Emissions in frequency bands (above 1GHz)	Mode1	Anbote
Note: P: Pass N: N/A, not applicable	Anbotek Anbotek	y Aupore





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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	Aupo	k spotel	Anbore	An
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
2 2 50 tek	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	rek /Anbotek	Anborotek

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density
Emissions in non-restricted frequency bands

Emis	sions in non-restricte	d frequency bands		70°	b.,	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 _{Anl}	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A N/O	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	2023-02-23	2024-02-22
5,00	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

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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
¹⁶ 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emissions in frequency bands (below 1GHz)								
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 4.43 dBi . It complies with the standard requirement.





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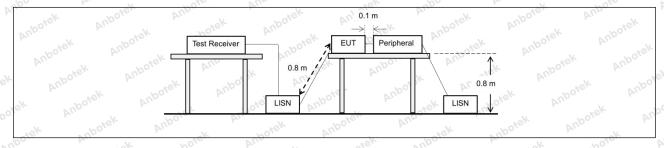
3. Conducted Emission at AC power line

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 con radio frequency voltage tha ny frequency or frequencie ot exceed the limits in the f	nected to the at is conducted as, within the ollowing table, as	
Polek Vupos	Frequency of emission (MHz)	Conducted limit (dBµV)		
Yung Polek	Anbot Anbott	Quasi-peak	Average	
-Vupois Vi.	0.15-0.5	66 to 56*	56 to 46*	
Test Limit:	0.5-5 tek noore Am	56 AT	46	
Aug Pot	5-30 And 5	60	50 tell And	
k Aupore Au	*Decreases with the logarithm of	the frequency.	Potek Aug	
Test Method:	ANSI C63.10-2020 section 6.2	Anborek Anbore	Ann	
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from ur			

3.1. EUT Operation

Operating Envi	ronment:	Aupor	hoiek	Anbois.	Vun	aporek	Aupo.
Test mode:	1: TX mode	e: Keep the	EUT in contin	uously transr	mitting mode w	ith GFSK	Pupo,
TCSt mode.	modulation). · · · · · · · · · · · · · · · · · · ·					

3.2. Test Setup





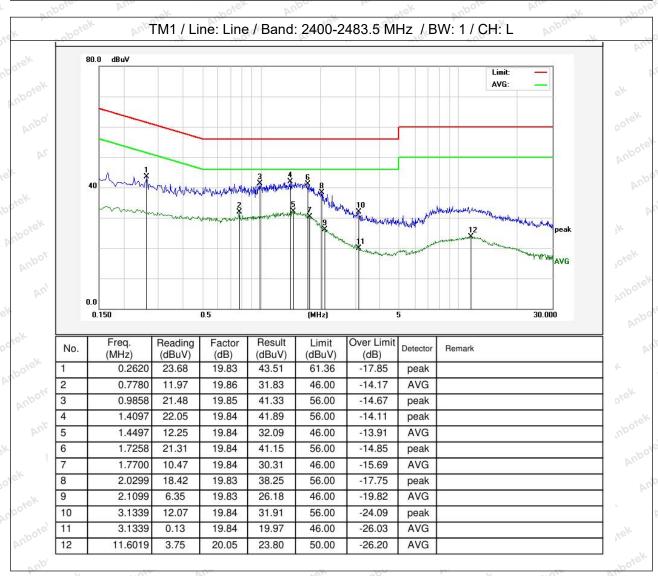
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3.3. Test Data

Temperature:	24 °C	Humidity:	52.6 %	Atmospheric Pressure:	101 kPa
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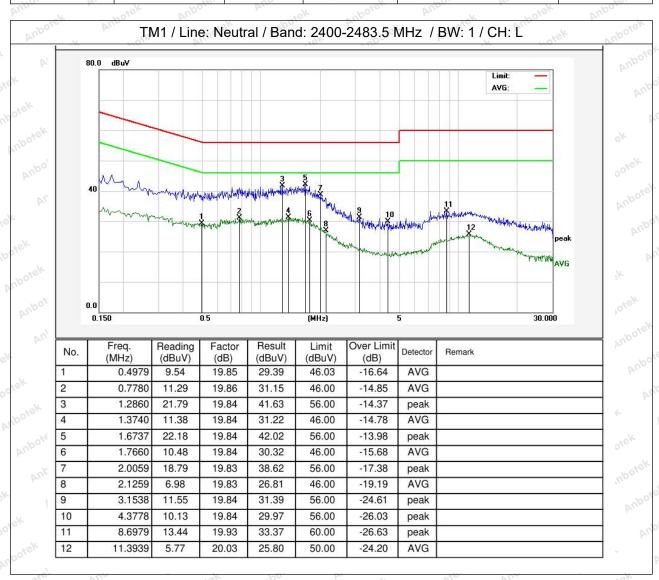






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Temperature: 24 °C Humidity: 52.6 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.









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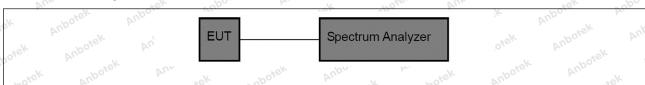
4. Occupied Bandwidth

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
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]. c) Detector = peak. d) Trace mode = max-hold. 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 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.
sek Aupotek Aupo	11.8.2 Option 2
potek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	The automatic bandwidth measurement capability of an instrument may be 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 \geq 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function. 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 En	vironment:	Vun	anbotek	Anbo. iek	abotek.	Anbore
Test mode:	1: TX mode: Kee modulation.	p the EUT in c	ontinuously	transmitting m	ode with GFSI	< Anborer

4.2. Test Setup



4.3. Test Data

VU SK TAGE IN THE TOTAL	Tempe	erature: 25	5.5 °C	Humidity:	48 %	AUR	Atmospheric Pressure:	101 kPa
---	-------	-------------	--------	-----------	------	-----	-----------------------	---------

Please Refer to Appendix for Details.









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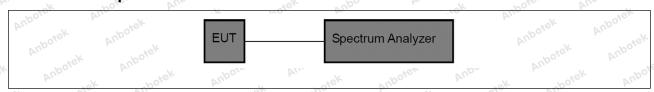
5. Maximum Conducted Output Power

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

20	Temperature:	25.5 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.



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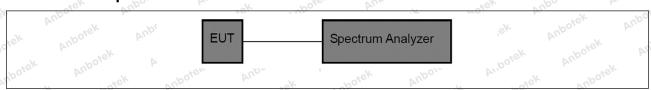
6. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Anbotek Test Limit: Anbotek Anbotek Anbotek Anbotek	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:			ik "po			
Test mode:	1: TX mod modulation	 the EUT in	continuous	sly transmitt	ting mode wit	h GFSK	Ans

6.2. Test Setup



6.3. Test Data

Temperature: 25.5 °	C Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





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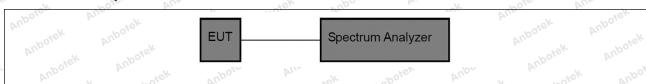
7. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit: 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:	abotek Ar	Pu Vipologia	i otek	Anbotek	Vupo 'Ek	700
Test mode:	1: TX mode: Kee modulation.	ep the EUT in	continuously	/ transmittin	g mode with	GFSK	Di.
7.2. Test Set	up hotek	Anbotek	Aupo. sek	hotek	Aupore	r Vur	

7.2. Test Setup



7.3. Test Data

Temperature: 25.5 °C Humidity: 48 %	Atmospheric Pressure: 101 kPa
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Please Refer to Appendix for Details.



Hotline



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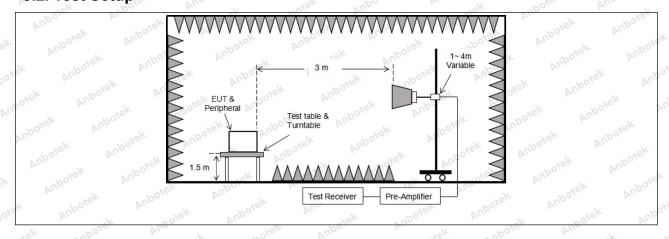
8. Band edge emissions (Radiated)

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 Aupotek Aupo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
o diek	0.009-0.490	2400/F(kHz)	300 000
aborek Anbook	0.490-1.705	24000/F(kHz)	30
atek anboten	1.705-30.0	30	30 400
Anbo. K. ingiek	30-88	100 **	3,ek nbore
aboren Anbe	88-216	150 **	3
Ar. Stek Upote	216-960	200 **	3 botes And
Test Limit:	Above 960	500 horek Ando	3 dek ont
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	frequency 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-190 kHz, 110–490 kHz and a	ing under this section shall not be lz, 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. sed under other and edges. measurements uency bands 9– ssion limits in
poice bup.	P. Spo, D.	6 10ek	r hotek
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ek abotek
Procedure:	ANSI C63.10-2020 section	6.10.5.2	or Air.

8.1. EUT Operation

o'l	Operating Envir	onment:	upotek						~0
	Test mode:	1: TX mode: Ke	ep the EUT	in continue	ously transm	nitting mode	with GFS	K	- 1
2	lest mode:	modulation.	AUD	No.	rek anb	0, 0,	*ek	aboten	

8.2. Test Setup





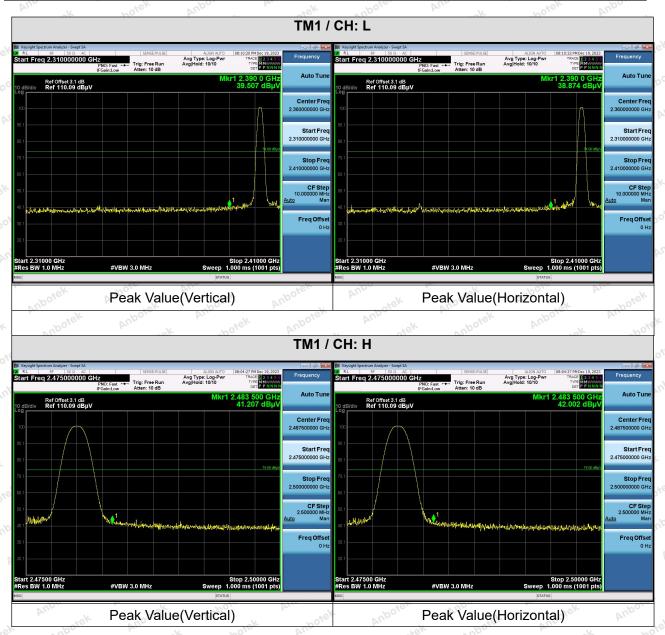




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8.3. Test Data

Temperature: 25.5 °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)

AGV CSK	- 10° - 10°		
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 Aupotek Aupot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
or bu	0.009-0.490	2400/F(kHz)	300 0000
shorek Anbo	0.490-1.705	24000/F(kHz)	30
*I'r	1.705-30.0	30	30
Anbor Ar stek	30-88	100 **	3,ek anbore
shotek Anbo	88-216	150 **	3
All sek abote	216-960	200 **	3 boten And
Anbo, A.	Above 960	500 And	3 rek onb
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	frequency 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-190 kHz, 110–490 kHz and a	ing under this section shall not be lz, 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. sed under other cand edges. measurements uency bands 9– ssion limits in
Potek Pub.	- 18 K 140, by,	a a set abover Anbo	V ofek
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 N	· Up.	se Yups
Procedure:	ANSI C63.10-2020 section	6.6.4 M	or All botek

9.1. EUT Operation

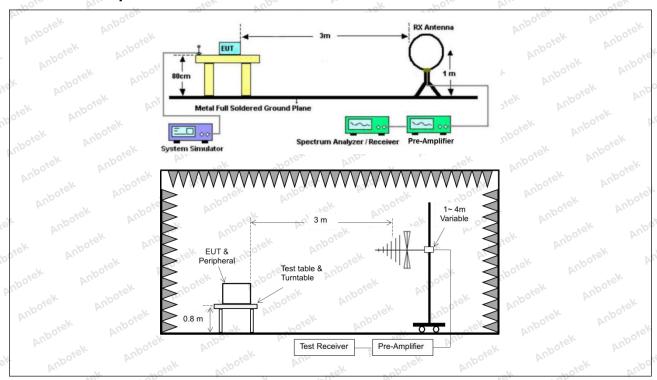
,o¹	Operating Envir	onment:	anboten	Anbe	botel	Anbore	bu.	rick vy
	Test mode:	1: TX mode: Ke	eep the EUT	in continue	ously transm	itting mode	with GFSK	Upo Pak
70	00	modulation.	DI		ter Tup.		rek .	oboro





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9.2. Test Setup





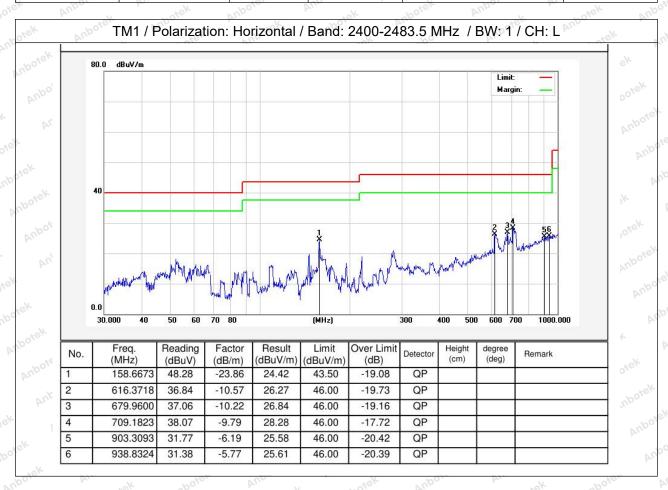


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9.3. Test Data

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

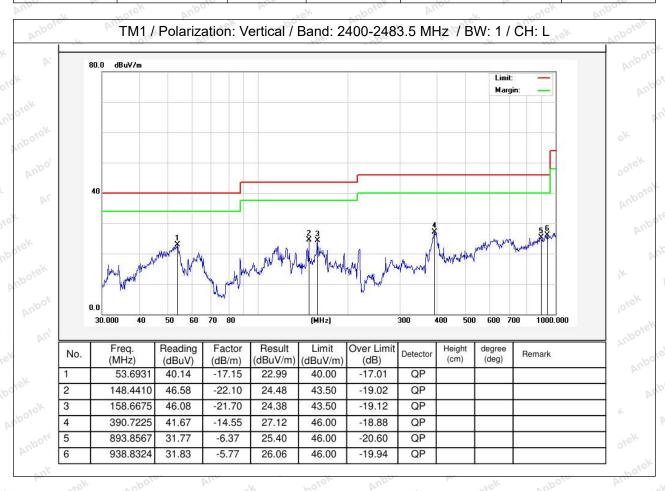
Temperature:	25.5 °C	VUAC.	Humidity:	48%	Atmospheric Pressure	: 101 kPa
				V. (1)	Time Privile I gerean	





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Temperature: 25.5 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.









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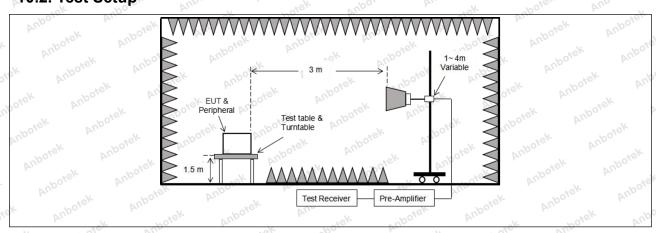
10. Emissions in frequency bands (above 1GHz)

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 Envir	onment:	Anbotek	Anbo	-poiek	Aupote	Ans	atek.	~0k
	Test mode:	1: TX mode: k	(eep the EU	Γ in continuo	usly transmitti	ing mode wit	h GFSK	0.K	
de	acst mode.	modulation.							1

10.2. Test Setup









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10.3. Test Data

Temperature: 25.5 °C	Humidity: 48 %	Atmospheric Pressure:	101 kPa
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	Mo. by		TM1 / CH: L	·	ok No.	hy,
			I WI1 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	28.84	15.27	44.11	74.00	-29.90	Vertical
7206.00	28.84	18.09	46.93	74.00	-27.08	Vertical
9608.00	29.82	23.76	53.58	74.00	-20.43	Vertical
12010.00	Aupole * Al	, e ^k	abotek Anb	74.00	otek Anbote	Vertical
14412.00	*Upo*sk	Anbo.	hotek b	74.00	iek onk	Vertical
4804.00	28.47	15.27	43.74	74.00	-30.26	Horizontal
7206.00	29.50	18.09	47.59	74.00	-26.41	Horizontal
9608.00	28.28	23.76	52.04	74.00	-21.97	Horizontal
12010.00	otek * Aupo	-k 20	ick Aupole,	74.00	. nbotek	Horizontal
14412.00	woick* An	DOJE. VILL	sek sp	74.00	K hore	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	17.11	15.27	32.38	54.00	-21.63	Vertical
7206.00	17.89	18.09	35.98	54.00	-18.03	Vertical
9608.00	19.29	23.76	43.05	54.00	-10.96	Vertical
12010.00	A CANADA	Aupolei Au	iek .	54.00	N Pile	Vertical
14412.00	And * * ek	abotek	Aupor K	54.00	Ipolog Aug	Vertical
4804.00	16.80	15.27	32.07	54.00	-21.93	Horizontal
7206.00	18.53	18.09	36.62	54.00	-17.38	Horizontal
9608.00	17.79 bote	23.76	41.55	54.00	-12.46	Horizontal
12010.00	*** *	otek Anbot	K 1-04	54.00	Aug.	Horizontal
14412.00	4 ×	sofek Ant	oter Anba	54.00	ek Auport	Horizontal





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			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	28.39	15.42	43.81	74.00	-30.20	Vertical		
7320.00	28.81	18.02	46.83	74.00	-27.18	Vertical		
9760.00	29.32	23.80	53.12	74.00	-20.89	Vertical		
12200.00	ek * spotek	Anborr	h worek	74.00	And	Vertical		
14640.00	*	tek Wipose	Pun de	74.00	Aupo	Vertical		
4880.00	28.28	15.42	43.70	74.00	-30.30	Horizontal		
7320.00	29.37	18.02	47.39	74.00	-26.61	Horizontal		
9760.00	28.00	23.80	51.80	74.00	-22.21	Horizontal		
12200.00	*otek	Aupole.	Aug	74.00	YUpor bu	Horizontal		
14640.00	Ant siek	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	17.20	15.42	32.62	54.00	-21.39	Vertical		
7320.00	17.75	18.02	35.77	54.00	-18.24	Vertical		
9760.00	19.14	23.80	42.94	54.00	-11.07	Vertical		
12200.00	k *upor	N. Siek	anbotek	54.00	boiek	Vertical		
14640.00	otek * Anbot	Anb	sk spojek	54.00	pi, poiek	Vertical		
4880.00	16.91	15.42	32.33	54.00	-21.67	Horizontal		
7320.00	18.88	18.02 A	36.90	54.00	-17.10	Horizontal		
9760.00	18.09	23.80	41.89	54.00	12.12 M	Horizontal		
12200.00	Anb*otek	Anbo	abotek	54.00	work a	Horizontal		
14640.00	* "otek	VUPO.	A. tek	54.00	VUD.	Horizontal		





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PUL	atel ^k	"upo,	by.	-hote.	VUD.	arek.
		•	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	28.52	15.58	44.10	74.00	-29.91	Vertical
7440.00	28.97	17.93	46.90	74.00	-27.11	Vertical
9920.00	30.02	23.83	53.85	74.00	-20.16	Vertical
12400.00	** otek	anboyer	Anb	74.00	Anboi	Vertical
14880.00	* 400	iek "potel	, Vupo,	74.00	Aupote	Vertical
4960.00	28.42	15.58	44.00	74.00	-30.00	Horizontal
7440.00	29.58	17.93	47.51	74.00	-26.49	Horizontal
9920.00	28.38	23.83	52.21	74.00	-21.80	Horizontal
12400.00	VUD*	abotek	Aupor b	74.00	rupoter Vul	Horizonta
14880.00	Ar*borr	hotek	Aupoien	74.00	anbotek	Horizonta
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	18.32	15.58	33.90	54.00	-20.11	Vertical
7440.00	19.02	17.93	36.95	54.00	17.06 And	Vertical
9920.00	19.79	23.83	43.62	54.00	-10.39	Vertical
12400.00	k * "potek	Aupo,	hotek	54.00	Aug	Vertical
14880.00	* * *	k Aupore	Aug	54.00	Vupo.	Vertical
4960.00	18.09	15.58 NO	33.67	54.00	-20.33	Horizonta
7440.00	19.68	17.93	37.61 M	54.00	-16.39	Horizonta
9920.00	18.24	23.83	42.07	54.00	-11.94	Horizonta
12400.00	* tek	Anbores	Aur	54.00	100 V.	Horizonta
14880 00	An*	bolek	Anbe.	54 00	Vupotes V	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 -----

