

**Address** 

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# **FCC Test Report**

Applicant : Shenzhen Qianyan Technology LTD

No. 3301, Block C, Section 1, Chuangzhi

Yuncheng Building, Liuxian Avenue, Xili

Community, Xili Street, Nanshan District,

Shenzhen, 518000, China

Product Name : Govee Gaming Wall Light

Report Date : Apr. 11, 2024

Shenzhen Anbotek Compliance



\_aboratory Limited







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## TEST REPORT

Applicant : Shenzhen Qianyan Technology LTD

Manufacturer : Shenzhen Qianyan Technology LTD

Product Name : Govee Gaming Wall Light

Test Model No. : H6063A

Reference Model No. : H6063B, H6063C

Trade Mark : Govee

Rating(s) : Input: 36V=2A

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:	Jan. 23, 2024
	Anboter Anbotek Anbotek Anbo
Date of Test:	Jan. 23, 2024 ~ Mar. 12, 2024
Anbotek Anbotek Anbotek Anbotek Anb	Ella Liang
Prepared By:	abotek Anbote An Jotek Anbotek
	(Ella Liang)
	Idward pan
Approved & Authorized Signer:	The Andrew Andrew
Air. Abotek Anbo	(Edward Pan)







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## **Revision History**

	Report Version	Description	Issued Date
	Anbore R00 potek An	Original Issue.	Apr. 11, 2024
97	k Aupotek Aupotek	Anbotek Anbotek Anbotek	K abotek Anbotek Ant
100	or Alla Aupotek Aupoter	Anbotek Anbotek Anbot	otek Anbotek Anbotes





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#### 1. General Information

### 1.1. Client Information

Applicant	:	Shenzhen Qianyan Technology LTD
Address	:	No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 518000, China
Manufacturer	:	Shenzhen Qianyan Technology LTD
Address	:	No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 518000, China

## 1.2. Description of Device (EUT)

:	Govee Gaming Wall Light
:	H6063A
:	H6063B, H6063C (Note: According to the model differences on page 7, we prepare "H6063A" for all tests, and prepared H6063B, H6063C for conducted emission and radiated spurious emissions (below 1GHz) difference testing.)
:	Govee hotek Anbore Anborek Anborek Anborek
:	DC 36V from adapter input AC 120V/60Hz
:	H6063A: 1-4-1(Normal Sample), 1-4-2(Engineering Sample) H6063B: 1-4-3(Normal Sample) H6063C: 1-4-4(Normal Sample)
:	2402MHz to 2480MHz
:	40 Anborek Anbore Anborek Anborek Anborek Anborek
:	GFSK Anbotek Anbotek Anbotek Anbotek
:	PCB antenna potek Antonek Antonek Antonek
:	2.45dBi
	: : : : : : : : : : : : : : : : : : : :

#### 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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#### Model differences:

Model No.	Light (PCS)	Square connector (PCS)	Triangle connector (PCS)	Adapter
H6063A	botek 6 Anb	12.00	Josek	Model: BI72G-360200-E2
H6063B	4	abotek 1 Anbo	ok / botek	Input: 100-240V~ 50/60Hz 1.8A
H6063C	Anboa 3	hotek/ Anb	1 <sup>Am</sup>	Output: 36V 2A

## 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.		
Anbotek / Anbo.	Anbotek / Anboten	And Anbotek	Vupo, Y		

## 1.4. Operation channel list

## Operation Band:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Anborto	2402	Ant 10	2422	20	2442	30	2462
Auto est	2404	A110,50	2424	21.01ek	2444	31 botek	2464
<b>2</b> nbox	2406	12, <sup>1</sup>	2426	× 22 <sub>Anbot</sub>	2446	32	2466
3 Anbo	2408	rek 13 Anb	2428	otek 23 Anh	2448	33	2468
ootek 4 Ar	2410	hotel 14	2430	24	2450	34	2470
Anbotes 5	2412	15 15	2432	25	2452	35	2472
Ant6 tel	2414	16	2434	26	2454	36	2474
Zpoten	2416	17,botek	2436	27	2456	37	2476
k 8 Aupot	2418	ek 18 Anbo	2438	28	2458 100°	38	ote 2478 And
otek 9 An	2420	ote*19	2440	29	2460 AN	39	2480

## 1.5. Description of Test Modes

Pretest Modes		Descriptions
	Anborek TM1	Keep the EUT in continuously transmitting mode with GFSK modulation.





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#### 1.6. Measurement Uncertainty

3.4dB
925Hz
0.76dB
0.76dB
1.24dB
1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
3.53dB
V. V. V.

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	Ann Potek
Conducted Emission at AC power line	Mode1	P
Occupied Bandwidth	Mode1	P PART
Maximum Conducted Output Power	Mode1	P
Power Spectral Density	Mode1	rupo, br
Emissions in non-restricted frequency bands	Mode1	Anb P tek
Band edge emissions (Radiated)	Mode1	P P
Emissions in frequency bands (below 1GHz)	Mode1	P <sup>Ant</sup>
Emissions in frequency bands (above 1GHz)	Mode1	PAR
Note: P: Pass N: N/A pot applicable	Anbotek Anbotek A	upotek

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	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

Emis	sions in non-restricte	d frequency bands	-lek	7007	VI	- Loter	
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date	
1 <sub>An</sub> t	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2023-10-16	2024-10-15	
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19	
3	Spectrum Analyzer Rohde & Schw		FSV40-N	101792	2023-05-26	2024-05-25	
An 40 te	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-10-12	2024-10-11	
5.nb	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11	
6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2023-02-23	2024-10-22	

Hotline

www.anbotek.com.cn

400-003-0500



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	edge emissions (Ra sions in frequency ba		Aupotek	Anborek	Aupotek	Anborek
Item	m Equipment Manufact		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
100 to 1	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
e <sup>k</sup> 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 2.45dBi . It complies with the standard requirement.





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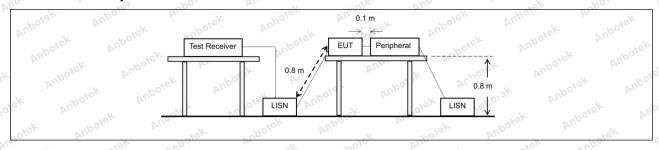
## 3. Conducted Emission at AC power line

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	onment:	Aupo	abořek -bořek	Aupote	Andrek	Anboick	Anbo.
Test mode:	1: TX mode modulation		EUT in continu	uously transr	mitting mode wi	th GFSK	Anbo

#### 3.2. Test Setup





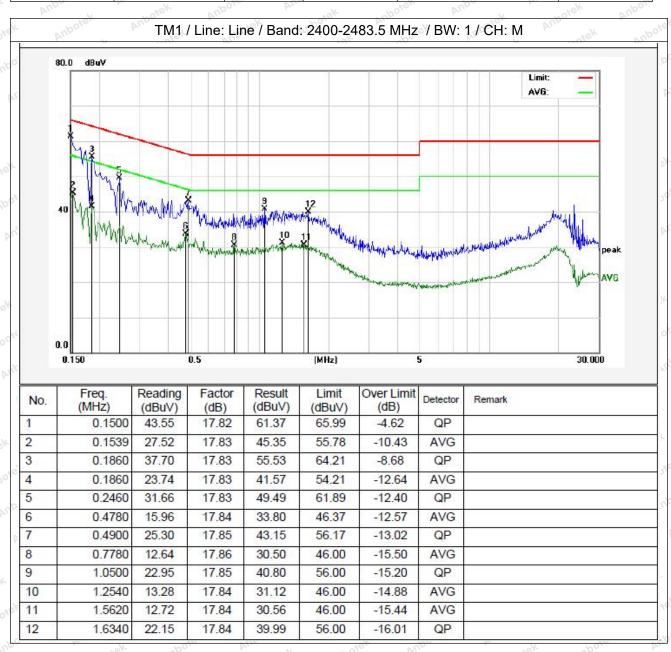
Hotline



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#### 3.3. Test Data

Temperature:	21.4 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063A	ok k	otek Anbote	Aug stek supot	Nupo.

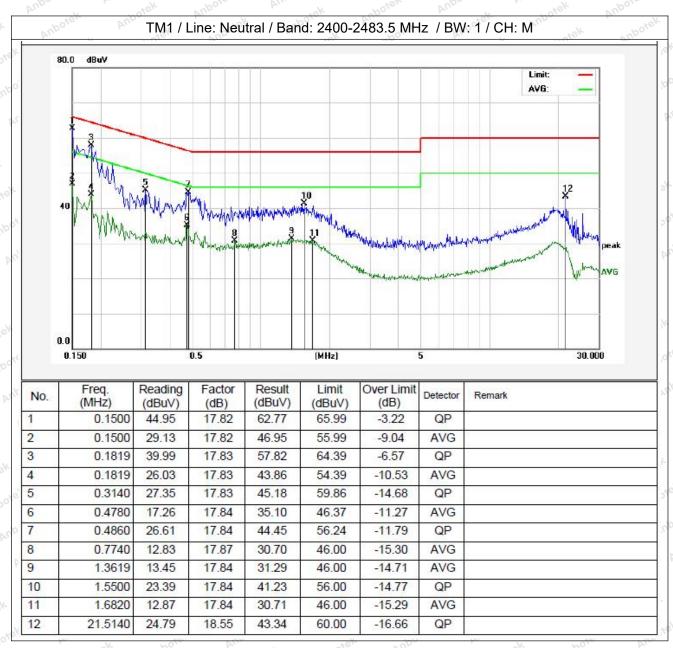






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Temperature:	21.4 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063A	K Pr.	k Aupote.	And otek anbotek	Anbo.



Note:Only record the worst data in the report.

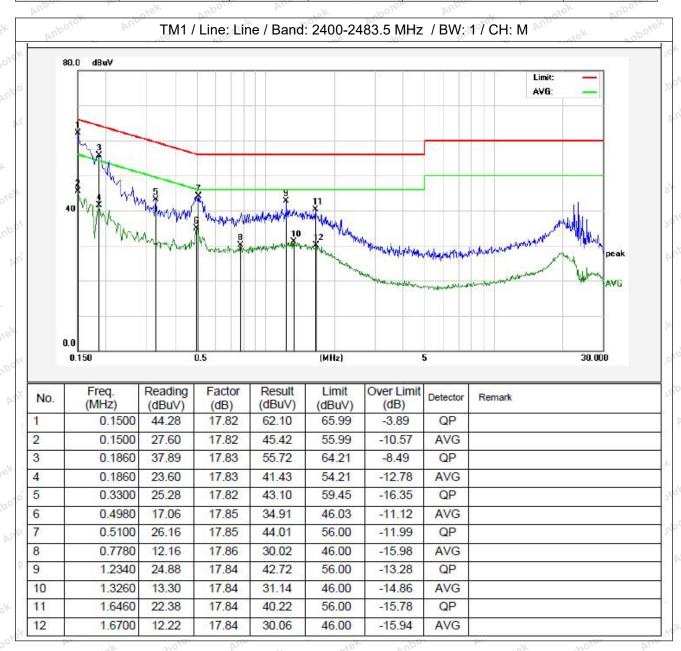






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Temperature:	21.4 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Test Model:	H6063B	k hote	k Aupote.	And otek Anbotek	Vupo.	

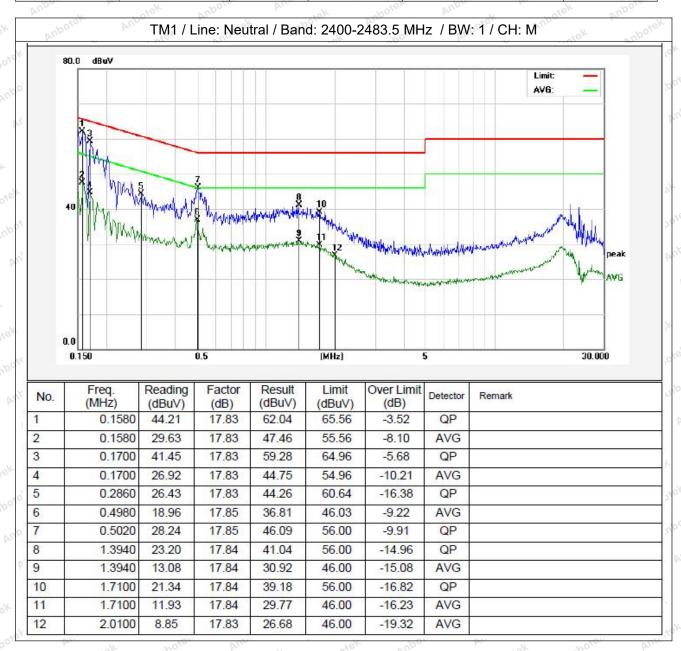






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Temperature:	21.4 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Test Model:	H6063B	k hote	k Aupote.	And otek Anbotek	Vupo.	



Note:Only record the worst data in the report.





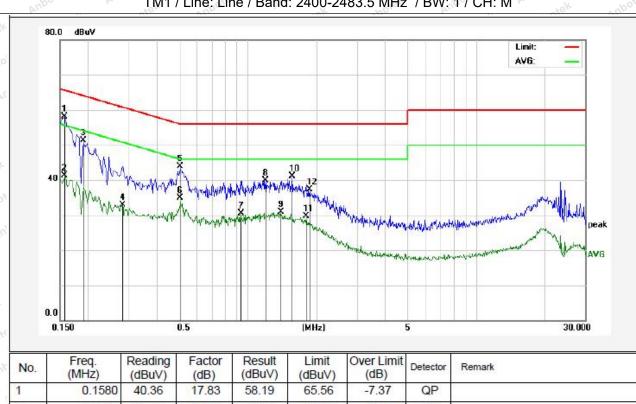




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Temperature:	21.4 °C	Anbotek	Humidity:	52 %	abotek	Atmospheric F	Pressure:	101	kPa
Test Model:	H6063C	Model	Yupo.	Ja.	shotel	Aupore	Aug Ci,	3.K	Aupotek

TM1 / Line: Line / Band: 2400-2483.5 MHz / BW: 1 / CH: M



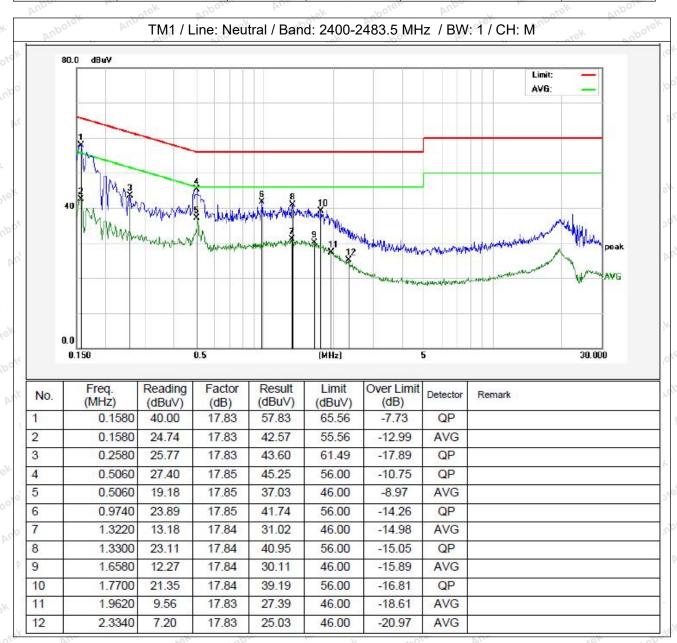
No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1580	40.36	17.83	58.19	65.56	-7.37	QP	
2	0.1580	23.53	17.83	41.36	55.56	-14.20	AVG	
3	0.1900	33.41	17.83	51.24	64.03	-12.79	QP	
4	0.2819	15.04	17.83	32.87	50.76	-17.89	AVG	
5	0.5060	26.00	17.85	43.85	56.00	-12.15	QP	
6	0.5060	17.03	17.85	34.88	46.00	-11.12	AVG	
7	0.9300	12.66	17.85	30.51	46.00	-15.49	AVG	
8	1.1940	22.16	17.84	40.00	56.00	-16.00	QP	
9	1.3900	13.10	17.84	30.94	46.00	-15.06	AVG	
10	1.5620	23.31	17.84	41.15	56.00	-14.85	QP	
11	1.8020	11.81	17.84	29.65	46.00	-16.35	AVG	
12	1.8660	19.48	17.83	37.31	56.00	-18.69	QP	





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Temperature:	21.4 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063C	k hote	k Aupote.	And stek anbotek	Aupo.



Note:Only record the worst data in the report.









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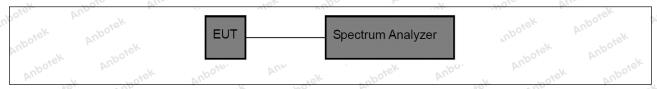
## 4. Occupied Bandwidth

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	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.
	<ul> <li>b) Set the VBW ≥ [3 × RBW].</li> <li>c) Detector = peak.</li> <li>d) Trace mode = max-hold.</li> </ul>
botek Anbotek	e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize.
Procedure:	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.
	11.8.2 Option 2
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 ≥ 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 ≥ 6 dB.

## 4.1. EUT Operation

Operating Envi	ronment:	riek	Upotek	Aupo,	. bojek	Anbore	Aug
Test mode:	1: TX mode: modulation.	Keep the	EUT in con	tinuously tra	ansmitting mod	e with GFSK	. Anbore

## 4.2. Test Setup









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#### 4.3. Test Data

	100	The second second	V	VII.	200	
Temperature:	0E 2 °C	Humidity: "	10 0/	Atmospheric Pressure:	101 kDa	
remperature.	120.3 C	MUIIIIIIIIV.	1 40 70	Almosphenic Pressure.	i iu i kra	
		1		1 11111 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

Please Refer to Appendix for Details.





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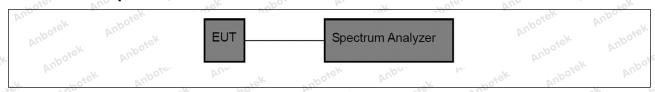
## 5. Maximum Conducted Output Power

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:	Anborek	Aupo.	botek	Anboies	Ans	k anbo
Test mode:	1: TX mode: modulation.	Keep the El	JT in continu	ously transm	nitting mode	with GFSK	otek Ar

#### 5.2. Test Setup



#### 5.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
V40. VU.	10.	-101	100	Y.C.	10.

Please Refer to Appendix for Details.





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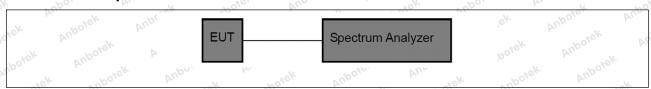
## 6. Power Spectral Density

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	onment:	abotek	Anbore.	Arra	orek.	Anborek	Aupo.	ek abojek
Test mode:	1: TX mo modulat	. ~0,	p the EUT in	continu	ously t	ransmitting n	node with (	GFSK Anbotek

## 6.2. Test Setup



#### 6.3. Test Data

K	Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa	E

Please Refer to Appendix for Details.



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



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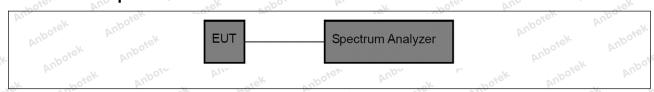
## 7. Emissions in non-restricted frequency bands

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

Ne.	Operating Envir	onment:	Anbotek	Anbo	botek	Anboro	Vu.	DUPO
,0	Test mode:	1: TX mode: modulation.	Keep the El	JT in continuo	usly transmit	ting mode wi	th GFSK	b2

#### 7.2. Test Setup



## 7.3. Test Data

Temperature: 25.3 °C Hu	lumidity: 48 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





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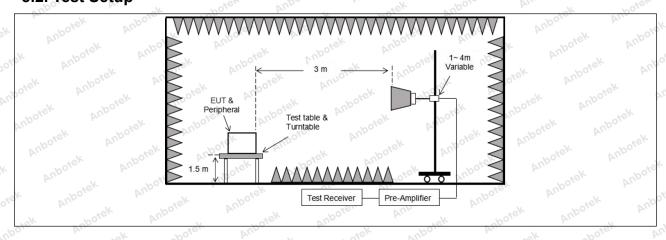
## 8. Band edge emissions (Radiated)

J. K.	Pose VIII	46k	-K 2010
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
tek Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
, Air stek	0.009-0.490	2400/F(kHz)	300 000
shorek Anbo	0.490-1.705	24000/F(kHz)	30 stell
wek abotek	1.705-30.0	3000	30 And
Anbore Air	30-88	100 **	3.ek above
potek Anbo.	88-216	150 **	3
Aur apote	216-960	200 **	3 botel And
Anbore All	Above 960	500 work Andorra	3 John Mr
botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	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, and a	ng under this section shall not be z, 76-88 MHz, 174-216 MHz or a hese 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 eand edges. measurements uency bands 9– sion limits in
pore And	PUD'S	And And	k hotek
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		
Procedure:	ANSI C63.10-2020 section	6.10.5.2	tek opposek

## 8.1. EUT Operation

Opera	ting Envir	onment:	Aupo,	W. Potek	Aupoter	Ano	ek ab	otek An
Test m	ode:	1: TX mode: I modulation.	Keep the EUT	in continuous	sly transmitti	ng mode w	ith GFSK	inbotek ek

### 8.2. Test Setup





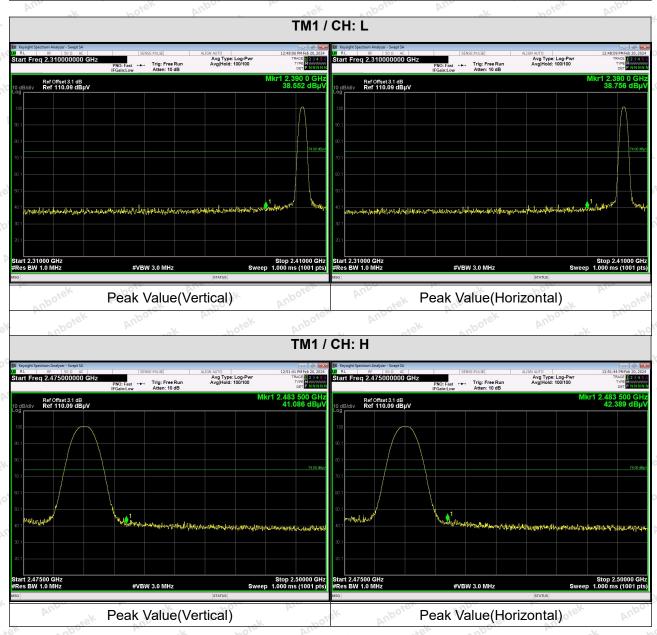




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#### 8.3. Test Data

Temperature: 25.3 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Remark: 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	oly with the
Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
potek Anbo	0.490-1.705	24000/F(kHz)	30 Stek
	1.705-30.0	30° AND CONTRACTOR	30
	30-88	100 **	3 ek nbote
	88-216	150 **	3
Air.	216-960	200 **	3boter And
	Above 960	500 mer Anbou	3
Test Limit:	intentional radiators operat	aragraph (g), fundamental emissing under this section shall not b	e located in the
Test Limit: otek Andorek	intentional radiators operat frequency bands 54-72 MH However, operation within a 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 these three bands are base	aragraph (g), fundamental emissing under this section shall not b dz, 76-88 MHz, 174-216 MHz or these frequency bands is permit	pe located in the 470-806 MHz. Ited under other pand edges. Improvements are guency bands 9—ssion limits in
Test Limit; otek Anbotek	intentional radiators operat frequency bands 54-72 MH However, operation within sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-90 kHz, 110–490 kHz and a these three bands are base detector.	aragraph (g), fundamental emissing under this section shall not be lz, 76-88 MHz, 174-216 MHz or these frequency bands is permit is 15.231 and 15.241.  The entire tighter limit applies at the being the above table are based on peak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing	pe located in the 470-806 MHz. Ited under other pand edges. Improvements are guency bands 9—ssion limits in
Test Method:	intentional radiators operat frequency bands 54-72 MH However, operation within a 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 these three bands are base	aragraph (g), fundamental emissing under this section shall not be dz, 76-88 MHz, 174-216 MHz or these frequency bands is permit § 15.231 and 15.241.  The entire tighter limit applies at the being the above table are based on peak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing 6.6.4	pe located in the 470-806 MHz. Ited under other pand edges. Improvements are guency bands 9—ssion limits in

## 9.1. EUT Operation

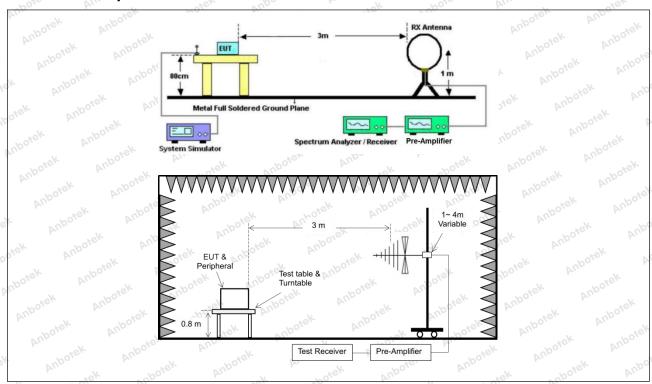
Operating	Environment:					abotek	Ank
Test mode	1: TX mode: K modulation.	eep the EUT in	continuously	r transmitting	g mode with G	FSK Anbotek	K





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#### 9.2. Test Setup





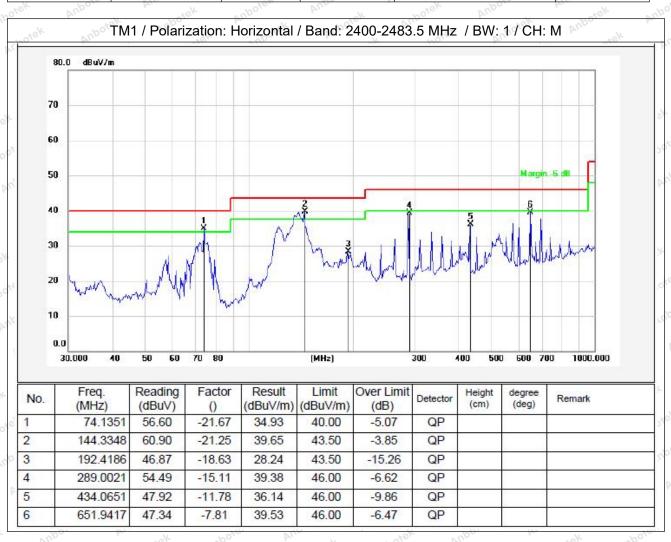


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#### 9.3. Test Data

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:	23.5 °C	Humidity:	49 %	Aupo, A	Atmospheric Pressure:	101 kPa
3)	Test Model:	H6063A	Yupo, K	in cotek	DADO	otek Anbo	abotek Ant

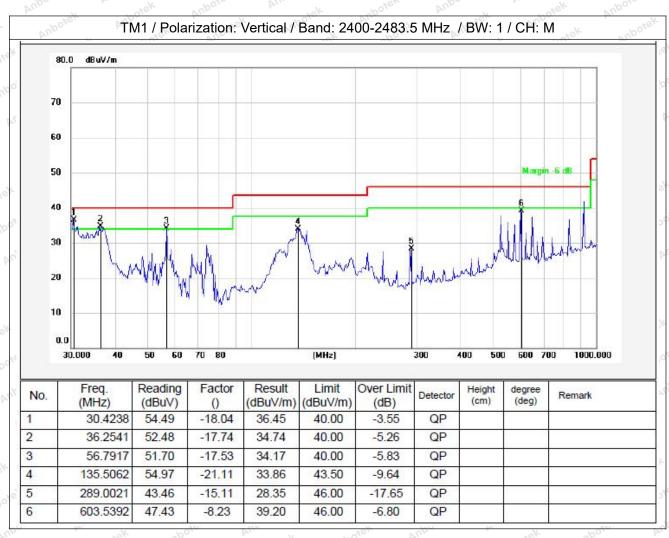






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Temperature:	23.5 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063A	K Pr.	k Anbore.	And otek anbotek	Anbo.



Note:Only record the worst data in the report.



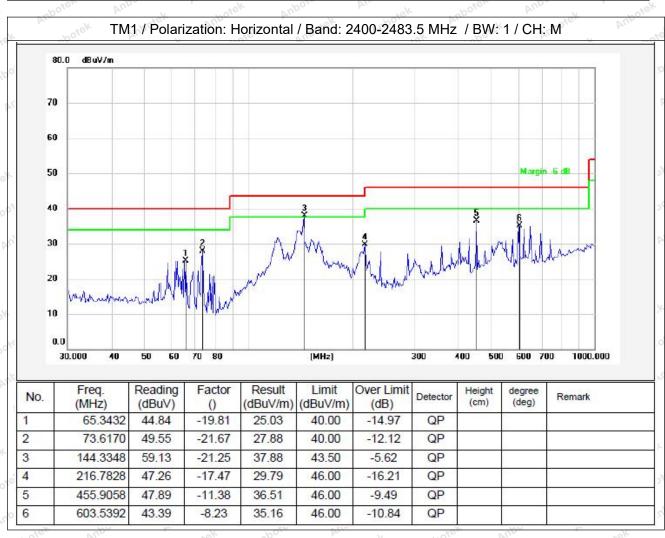






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Temperature:	23.5 °C	Anbotek	Humidity:	49 %	botek	Atmospheric F	Pressure:	101 kPa	SIL
Test Model:	H6063B	Model	K Aupo.	-ek	sbotel	. Aupote.	Vur.	sk an	ootek

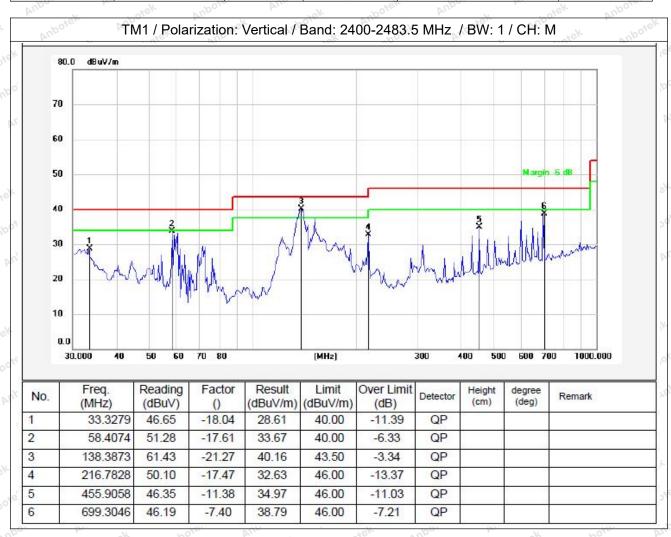






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Temperature:	23.5 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063B	k hote	k Anbore.	And otek anbote	Wupo.



Note:Only record the worst data in the report.



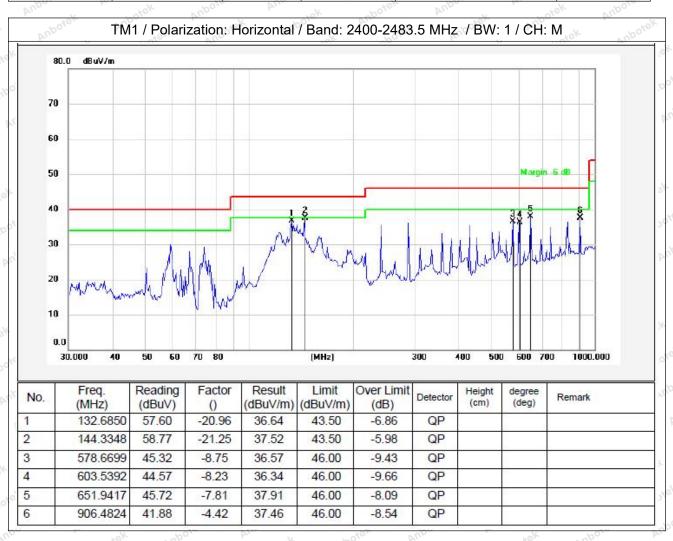






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Temperature:	23.5 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063C	k hote	k Anbore.	And otek anbotek	Vupo.

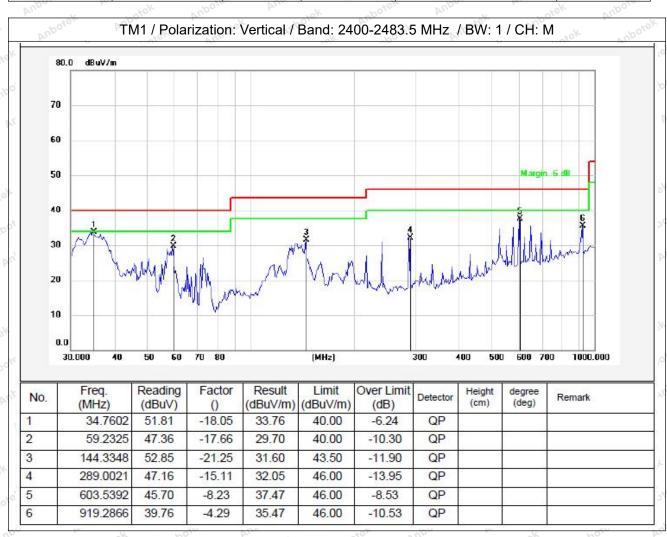






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Temperature:	23.5 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa
Test Model:	H6063C	k hote	k Aupote.	And stek Anbotek	Aupo.



Note:Only record the worst data in the report.







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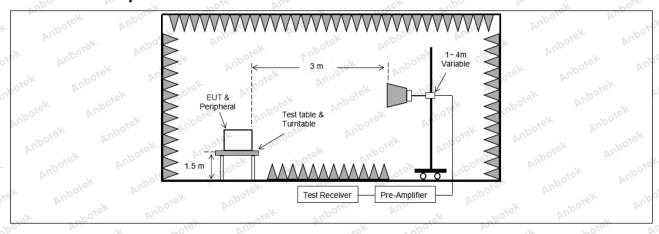
## 10. Emissions in frequency bands (above 1GHz)

and Lak	All.	The Pup	100 N
Test Requirement:		ons which fall in the restricted background $5(c)$ .	
k Aupotek Aupo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
o. K. Stek	0.009-0.490	2400/F(kHz)	300 00000
shorek Anbo	0.490-1.705	24000/F(kHz)	30
in spotek	1.705-30.0	3000	30
Aupoig Vi.	30-88	100 **	3 ek abote
Polek Vupo,	88-216	150 **	3
Ans sole	216-960	200 **	3 botel And
Aupore Air	Above 960	500 Mario Aribo	3 sek ob
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 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 as 15.231 and 15.241.  If the tighter limit applies at the bein the above table are based on peak 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
Pole Tur	VU)	- otek Anbore An	sk "pojegy
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M	N VIII.	Anborek Anborek
Procedure:	ANSI C63.10-2020 section	6.6.4 hotek Anbote An	stek subotek

## 10.1. EUT Operation

o <sup>3</sup>	Operating Environment:						ek abotek	PU
10,	Test mode:	1: TX mode: k modulation.	Geep the EUT	in continuous	sly transmitti	ing mode w	ith GFSK	ik K

## 10.2. Test Setup









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#### 10.3. Test Data

Temperatur	re: 23.5 °C	Humidity: 49 %	Atmospheric Pressure:	101 kPa	
L.O.	D/4	501	M '10' D'	1	

VU <sub>D</sub>	hotek Anb		stek anboti	Ans.	k hotek	Anbo.
			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	28.19	15.27	43.46	74.00	-30.54	Vertical
7206.00	28.30	18.09	46.39	74.00	-27.61	Vertical
9608.00	29.06	23.76	52.82	74.00	-21.18	Vertical
12010.00	Aupote * A	io.	abotek Anb	74.00	otek Anbote	Vertical
14412.00	*Upo*sk	Anbo.	Polsk !	74.00	stek ont	Vertical Vertical
4804.00	27.88	15.27	43.15	74.00	-30.85	Horizontal
7206.00	28.72	18.09	46.81	74.00	-27.19	Horizontal
9608.00	28.00	23.76	51.76	74.00	-22.24	Horizontal
12010.00	otek * Aupo	-K 20	iek Aupote	74.00	· upotek	Horizontal
14412.00	hotek* An	DOJE VILL	tek anb	74.00	or hore	Horizontal
Average value: Frequency	Reading	Factor	Result	Limit	Over Limit	
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	polarization
4804.00	16.46	15.27	31.73	54.00	-22.27	Vertical
7206.00	17.35	18.09	35.44	54.00	-18.56	Vertical
9608.00	18.53	23.76	42.29	54.00	-11.71	Vertical
12010.00	~o+e*	Aupoter Au	*e*	54.00	- V mc	Vertical
14412.00	Ant *	, upotek	Aupo.	54.00	Ipole And	Vertical
4804.00	16.21	15.27	31.48	54.00	-22.52	Horizontal
7206.00	17.75	18.09	35.84	54.00	-18.16	Horizontal
9608.00	17.51 hote	23.76	41.27	54.00	-12.73	Horizontal
12010.00	sek *	otek Wipor	ek roj	54.00	Vu <sub>p</sub>	Horizontal
14412.00	Vpo. *	otek ant	Oto And	54.00	ek Aupo	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	27.74	15.42	43.16	74.00	-30.84	Vertical
7320.00	28.27	18.02	46.29	74.00	-27.71	Vertical
9760.00	28.56	23.80	52.36	74.00	-21.64	Vertical
12200.00	ek * nbotek	Aupor	hotek	74.00	And	Vertical
14640.00	*	tek Wipose	Pun de	74.00	Aupo	Vertical
4880.00	27.69	15.42	43.11	74.00	-30.89	Horizontal
7320.00	28.59	18.02	46.61	74.00	-27.39	Horizontal
9760.00	27.72	23.80	51.52	74.00	-22.48	Horizontal
12200.00	*otek	Aupole.	Aug	74.00	YUpor bu	Horizontal
14640.00	Art rek	nbotek	Aupo	74.00	Anbore	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	16.55	15.42	31.97	54.00	-22.03	Vertical
7320.00	17.21	18.02	35.23	54.00	-18.77	Vertical
9760.00	18.38	23.80	42.18	54.00	-11.82	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	16.32	15.42	31.74	54.00	-22.26	Horizontal
7320.00	18.10	18.02	36.12	54.00	-17.88	Horizontal
9760.00	17.81	23.80	41.61	54.00	-12.39 M	Horizontal
12200.00	anb*otek	Aupo	abotek	54.00	otek v	Horizontal
14640.00	* "otek	Anbor	All	54.00	VUD.	Horizontal



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Le. ALL	ate <sup>K</sup>	vupo.	N. OK	hote	DUL	Aek.
			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	27.87	15.58	43.45	74.00	-30.55 About	Vertical
7440.00	28.43	17.93	46.36	74.00	-27.64	Vertical
9920.00	29.26	23.83	53.09	74.00	-20.91	Vertical
12400.00	* P*	Aupolei	And	74.00	Aupo,	Vertical
14880.00	* 400	iek "potel	Aupo.	74.00	Anbore	Vertical
4960.00	27.83	15.58	43.41	74.00	-30.59	Horizontal
7440.00	28.80	17.93	46.73	74.00	-27.27	Horizontal
9920.00	28.10	23.83	51.93	74.00	-22.07	Horizontal
12400.00	Anb *	abotek	Aupo,	74.00	Anbote, Ant	Horizontal
14880.00	V.Apo,	Kotek	Anbore	74.00	abotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	17.67	15.58	33.25	54.00	-20.75	Vertical
7440.00	18.48	17.93	36.41	54.00	17.59 And	Vertical
9920.00	19.03	23.83	42.86	54.00	-11.14	Vertical
12400.00	* * hotek	Anbo.	hotek	54.00	And	Vertical
14880.00	* * *	sk Aupolo	Aug	54.00	Aupo	Vertical
4960.00	17.50	15.58	33.08	54.00	-20.92	Horizontal
7440.00	18.90	17.93	36.83	54.00	-17.17	Horizontal
9920.00	17.96	23.83	41.79	54.00	-12.21	Horizontal
12400.00	* tolek	Aupole	Ann	54.00	ipo. br.	Horizontal
14880.00	An*	abotek	Aupo.	54.00	Aupore	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 -----

