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# **FCC Test Report**

Applicant : Thien Thanh Dat JSC

Address 32 Binh Long str., Phu Thanh ward, Tan Phu

district, Ho Chi Minh city, Vietnam

Product Name : Portable Karaoke Speaker

Report Date : Oct. 19, 2023

Shenzhen Anbotek Compliance Laboratory Limited







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### TEST REPORT

Applicant : Thien Thanh Dat JSC

Manufacturer : Thien Thanh Dat JSC

Product Name : Portable Karaoke Speaker

Test Model No. : K400S

K250S, K300S, K350S, K450S, K500S, K550S, K600S, K650S, K700S, K750S, K800S, K850S, K900S, K950S, K250X, K300X, K350X, K400X, K450X, K500X, K550X, K600X, K650X, K700X, K750X, K800X, K850X,

Reference Model No. : K900X, K950X, K300G, K450G, K550G, K650G, K850G, K950G, DS-

12XPro, DS-15XPro, DS-18XPro, DS-12XPro2, DS-15XPro2, DS-18XPro2, DS-12XPro5, DS-15XPro5, DS-18XPro5, DS-12XPro7, DS-

15XPro7, DS-18XPro7, DS-12XPro9, DS-15XPro9

Trade Mark : Dalton

AC Input: 120V~/60Hz, 3A

Rating(s) : DC Input: 12V=

Battery capacity: 12V-- 7500mAh

Test Standard(s) : 47 CFR Part 15.247

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:	Sept. 11, 2023
stek anbotek Anbotek Anbotek Anbotek	
Date of Test: Sept	t. 11, 2023 to Oct. 10, 2023
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Prepared By:	skotek Anbote Ans
K Anborek Anborek Anborek Anbore	(TuTu Hong)
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Approved & Authorized Signer:	And And And
Anboy K hotek Anboyes And tek noo	(Edward Pan)







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### **Revision History**

	Report Version	Description	Issued Date
	Anbore R00 potek Ant	Original Issue.	Oct. 19, 2023
3	Anbotek Anbotek	Anbotek Anbotek Anbotek	Anbotek Anbotek Anb
/0	ore Ambotek Anbotek	Anbotek Anbotek Anbot	tek Anbotek Anbotek





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### 1. General Information

### 1.1. Client Information

Applicant	: Thien Thanh Dat JSC	"otel
Address	32 Binh Long str., Phu Thanh ward, Tan Phu district, Ho Chi Minh city, Vietnam	DUP
Manufacturer	: Thien Thanh Dat JSC	0
Address	32 Binh Long str., Phu Thanh ward, Tan Phu district, Ho Chi Minh city, Vietnam	
Factory	: Thien Thanh Dat JSC	iek
Address	32 Binh Long str., Phu Thanh ward, Tan Phu district, Ho Chi Minh city, Vietnam	bote

### 1.2. Description of Device (EUT)

450S, K500S, K550S, K600S, K650S, K700S, 900S, K950S, K250X, K300X, K350X, K400X, 600X, K650X, K700X, K750X, K800X, K850X, 450G, K550G, K650G, K850G, K950G, DS-18XPro, DS-12XPro2, DS-15XPro2, DS-18XPro5, DS-12XPro7, DS-15XPro9 same except the model number, exterior design, r test only.)
900S, K950S, K250X, K300X, K350X, K400X, 600X, K650X, K700X, K750X, K800X, K850X, K450G, K550G, K650G, K850G, K950G, DS-18XPro, DS-12XPro2, DS-15XPro2, DS-18XPro5, DS-12XPro7, DS-15XPro9 same except the model number, exterior design,
Anbotek Anbotek Anbotek Anbotek
Anbort Anbortek Anbort Am
2-2(Engineering Sample)
oke, Wunger Wupotek, Wupo, tek
Anbotek Anbor Anbotek Anboter
K Wipose VIII. Polek Wiposek Wiposek
tek Vuposes Vuposek Vuposes Vi
9

- (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.
Pi, Votek   Vupoter	Aug.	Anbo. A hotek	Anbote. Anb







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#### 1.4. Operation channel list

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
₽/O <sub>O</sub>	2402	100 otek	2422	20	2442	30	2462
· 1 <sub>Anbote</sub>	2404	× 11 nbo*	2424	21	2444 vote	31	2464
tek 2 Anb	2406	12	otek 2426 Mario	22	2446	32 Ant	2466
1010×3	2408	13	2428	23	2448	33 ·	2468
4	2410	14,	2430	24	2450	34	2470
Anb 5	2412	Ant 15	2432	25	2452	35	2472
A 6	2414	16	2434	26	2454	36	2474
Zuporz	2416	17 <sub>Anbore</sub>	2436	27 nbot	2456	37	2476
iek 8 Aup	2418	stek 18 Ant	2438	28	otel 2458 And	38	2478
botek 9 A	2420 Ann	19	2440	29	2460	39	2480

### 1.5. Description of Test Modes

	Pretest Modes	Descriptions
3/4	Anborek TM1 Anborek	Keep the EUT connect to AC power line and works in continuously transmitting mode (BLE 1M)
o <sup>K6</sup>	TM2	Keep the EUT connect to AC power line and works in continuously transmitting mode (BLE 2M)

### 1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dBibot Anborek Anborek
Occupied Bandwidth	925Hz Andorek Andorek Andorek
Conducted Output Power	AT 0.76dB Anbotek Anbotek Anbotek An
Conducted Spurious Emission	1.24dB Anbotek Anbotek Anbotek
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dBnborek Anborek Anborek
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB
The manurement uncertainty and decision rick	avaluated asserting to AD/M/LDE E 022

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.







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#### 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	Anbotek / Anboten	P
Conducted Emission at AC power line	Mode1,2	PART
Occupied Bandwidth	Mode1,2	P
Maximum Conducted Output Power	Mode1,2	Upor PK
Power Spectral Density	Mode1,2	Anbon P
Emissions in non-restricted frequency bands	Mode1,2	AP P
Band edge emissions (Radiated)	Mode1,2	Panba
Emissions in frequency bands (below 1GHz)	Mode1,2	PA
Emissions in frequency bands (above 1GHz)	Mode1,2	bose P
Note: P: Pass N: N/A pot applicable	Anbotek Anbotek	Anborek

N: N/A, not applicable



Aupo,



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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.:184111

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. 184111.

#### 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.518128

#### 1.9. Disclaimer

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

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





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### 1.10. Test Equipment List

Cond	ucted Emission at A	C power line				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2022-10-23	2023-10-22
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	2022-10-13	2023-10-12
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	tek /Anbotek	ek Pupotek

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density
Emissions in non-restricted frequency bands

200			100			
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 Ant	MXG RF Vector Signal Generator	Agilent	N5182A	MY481806 56	2022-10-13	2023-10-12
2	Power Meter	Agilent	N1914A	MY500011 02	2022-10-26	2023-10-25
3	DC Power Supply	IVYTECH	IV3605	1804D360 510	2022-10-22	2023-10-21
4	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-02-23	2024-02-22
And 5	Oscilloscope	Tektronix	MDO3012	C020298	2022-10-19	2023-10-18
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25

	edge emissions (Ra sions in frequency ba		Anbotek	Aupotek	Anborek	Anbotek Anb
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
<sup>Anbo</sup>	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2022-10-23	2023-10-22
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2022-10-13	2023-10-12
× 3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
o <sup>te</sup> 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Vuposek b	aborek A
nb5 <sup>tek</sup>	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2022-10-23	2023-10-22
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
7 A.T	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24







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Emis	sions in frequency ba	ands (below 1GHz)	Anborok	Aug Polek	Anborek	Aupor Ar
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2022-10-23	2023-10-22
2	Pre-amplifier	SONOMA	310N	186860	2022-10-23	2023-10-22
<sub>3</sub> 10/3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
nb4ek	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Aupoter	Andorek





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### 2. Antenna requirement

Test Requirement:

Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

#### 2.1. Conclusion

The antenna is a **PCB antenna** which permanently attached, and the best case gain of the antenna is **-0.58 dBi** . It complies with the standard requirement.





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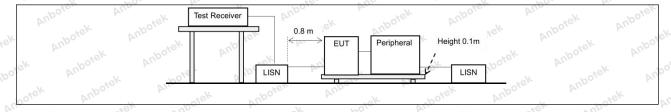
### 3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Excep section, for an intentional radiator is public utility (AC) power line, the raback 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 tha y frequency or frequencie exceed the limits in the fo	nected to the at is conducted s, within the collowing table, as			
abotek Anbore	Frequency of emission (MHz)	Conducted limit (dBµV)	r otek			
YI.	Anbor Anbor	Quasi-peak	Average			
Aupo, W. Wiek	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5	56 NOTE AT	46			
Ans abore	5-30 And Store	·60	50 And			
k Aupora Au	*Decreases with the logarithm of the frequency.					
Test Method:	ANSI C63.10-2020 section 6.2	botek Anbotes	And			
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unli					

### 3.1. EUT Operation

	Operating Envir	onment:	Aupor	An Polick	Aupoter.	Aug	upotek	Aupor
0	Test mode:	continuous 2: TX mode	lỳ transmittii e(BLE 2M):∃	ng mode (BLE	1M) connect to A	AC power line a		otek Vupo

### 3.2. Test Setup





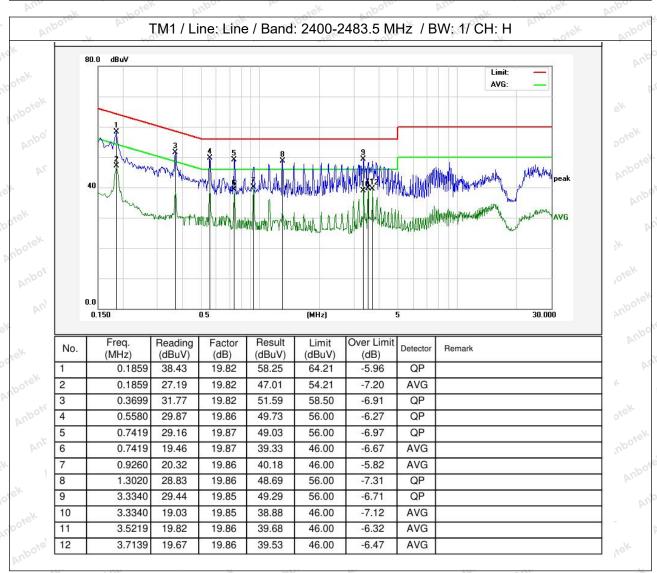
Hotline



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#### 3.3. Test Data

Temperature: 23.8 °C Humidity: 51 % Atmospheric Pressure: 96 kPa



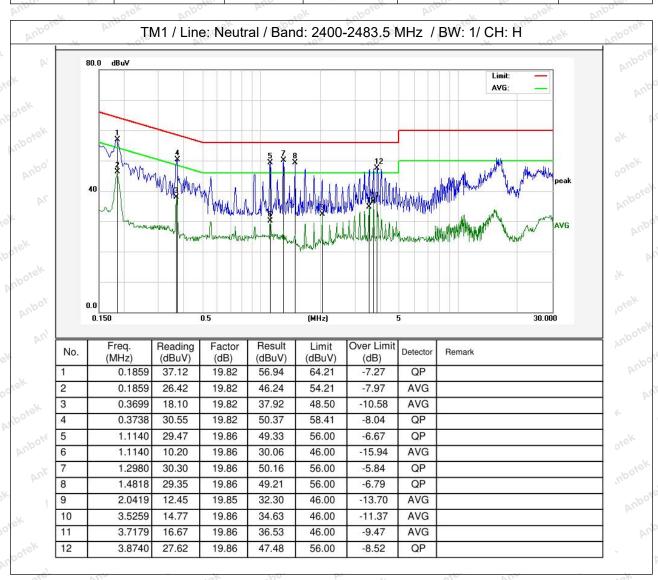






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Temperature: 23.8 °C Humidity: 51 % Atmospheric Pressure: 96 kPa



Note:Only record the worst data in the report.







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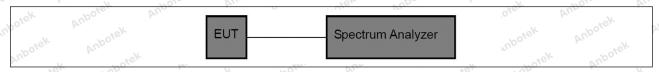
### 4. Occupied Bandwidth

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.
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 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:	Aupo	hotek .	Anbore.	Vun Jiek	upotek
Test mode:	1: TX mode(BLE continuously tran 2: TX mode(BLE continuously tran	smitting mo 2M): Keep	ode (BLE 1M) the EUT conne	N		

### 4.2. Test Setup



#### 4.3. Test Data

Temperature:	26.5 °C	Vup.	Humidity:	53.4 %	Atmospher	ic Pressure:	101 kPa
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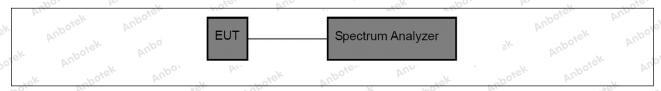
### 5. Maximum Conducted Output Power

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

	The second secon							
N	Operating Envir	onment:	abotek	Anbore	Pur. Potek	Anbotek	Aupo	200
0,0 الد	Test mode:	continuous 2: TX mode	e(BLE 1M): Ko sly transmitting e(BLE 2M): Ko sly transmitting	mode (BLE eep the EUT	1M) connect to AC	· All		orek Ar

#### 5.2. Test Setup



#### 5.3. Test Data

Temperature: 26.5 °C	Humidity: 53.4 %	Atmospheric Pressure:	101 kPa
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### 6. Power Spectral Density

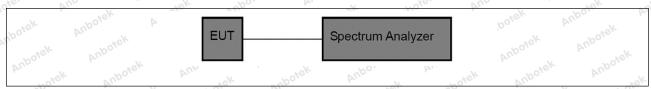
Test Requirement:	47 CFR 15.247(e)
Anbotek  Test Limit:  Anbotek  Anbotek  Anbotek  Anbotek	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval 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 Envir	ronment:	Anbotek	Anbu	hotek	Aupolo	Au Polek
Test mode:	1: TX mode(BLE continuously trans 2: TX mode(BLE continuously trans	smitting mod 2M): Keep th	de (BLE 1M) he EUT connec	Anb		

AUP

### 6.2. Test Setup



#### 6.3. Test Data

Trumberature.   20.0 0   Framidity.   30.7 /0   Authosphicitor resourc.   101 ki a	Temperature:	26.5 °C	Humidity:	53.4 %	Atmospheric Pressure:	101 kPa
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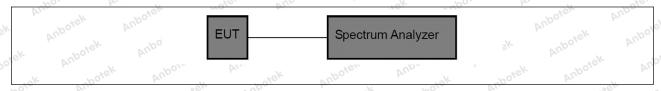
### 7. Emissions in non-restricted frequency bands

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

### 7.1. EUT Operation

×	Operating Envir	onment:	Annabotek	Anborok	Aup otek	anbotek	Anboro	Δ//·
,0	Test mode:	continuous 2: TX mode	e(BLE 1M): Ke sly transmitting e(BLE 2M): Ke sly transmitting	mode (BLE ep the EUT	1M) connect to A	An		otek V

#### 7.2. Test Setup



#### 7.3. Test Data

Temperature:	26.5 °C	Humidity: 53.4 %	Atmospheric Pressure:	101 kPa	





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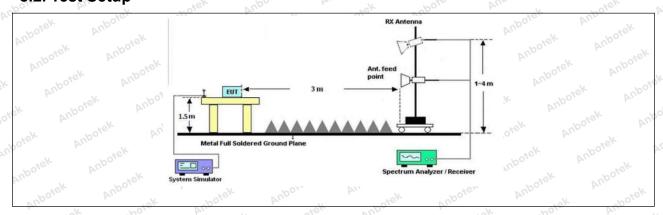
### 8. Band edge emissions (Radiated)

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 Aupot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
o. b.	0.009-0.490	2400/F(kHz)	300 000
abotek Anbo	0.490-1.705	24000/F(kHz)	30 NOTE
All aboten	1.705-30.0	30° ACK 100°	30
Aupo, W. Siek	30-88	100 **	3,ek Anbore
- boiek Anbo	88-216	150 **	3 , , ,
Test Limit:	216-960	200 **	3 boter And
Anbo, Air	Above 960	500	3 rek anb
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operat frequency bands 54-72 MH	ragraph (g), fundamental emissi ing under this section shall not b z, 76-88 MHz, 174-216 MHz or chese frequency bands is permitt	e located in the 470-806 MHz.
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 N		Anboter Anbo
Procedure:	ANSI C63.10-2020 section	6.10.5.2	Vur.

### 8.1. EUT Operation

Operating Envi	ronment:	Aupore	An Motek	Anboten	Anboatek	anboiek
Test mode:	1: TX mode(BLE 1) continuously transn 2: TX mode(BLE 2) continuously transn	nitting mode M): Keep the	(BLE 1M) EUT connect	bu.		

### 8.2. Test Setup





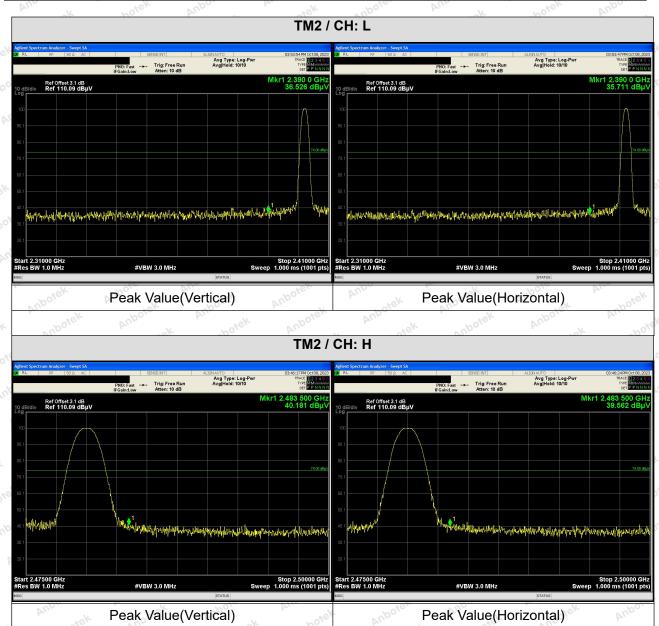




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#### 8.3. Test Data

Temperature: 26.5 °C Humidity: 53.4 % Atmospheric Pressure: 101 kPa







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#### Average:

Test Mode	Peak Value (dBuV/m)	Correction factor	Average Value (dBuV/m)	Limit (dBuV/m)	Polarization	Verdict
TM2 / CH: L	36.526	-4.90	31.630	54.00	Vertical	Pass
	35.711	-4.90	30.815	54.00	Horizontal	Pass
TM2 / CH: H	40.181	-4.90	35.285	54.00	Vertical	otel Pass
	39.562	-4.90	34.666	54.00	Horizontal	Pass

#### Remark:

- 1. During the test, pre-scan all modes, the report only record the worse case mode.
- 1. Correction factor=20log(Duty Cycle)
- 2. Average Value=Peak Value+Correction factor



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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
k Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
o dek	0.009-0.490	2400/F(kHz)	300 Mboro
abotek Anbo	0.490-1.705	24000/F(kHz)	30 50tel
yr.	1.705-30.0	30° ANDO	30
Aupo, H. Stek	30-88	100 **	3,ek noore
- botek Anbu	88-216	150 **	3
Test Limit:	216-960	200 **	3 botes And
Aupor	Above 960	500	3 rek no
otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operat frequency bands 54-72 MH	ragraph (g), fundamental emissi ing under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt	e located in the 470-806 MHz.
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		Anborer Anbo
Procedure:	ANSI C63.10-2020 section	6.6.4 Anborek Anbore	Aur. Otek Al

### 9.1. EUT Operation

Operating Envi	ronment:	nbotek	Anbor	r Potek	. Aupoter	And	r anbotek
Test mode:	continuou 2: TX mo	ısly transn de(BLE 2l	nitting mode M): Keep the	e (BLE 1M)	bu.	ver line and wo	her And

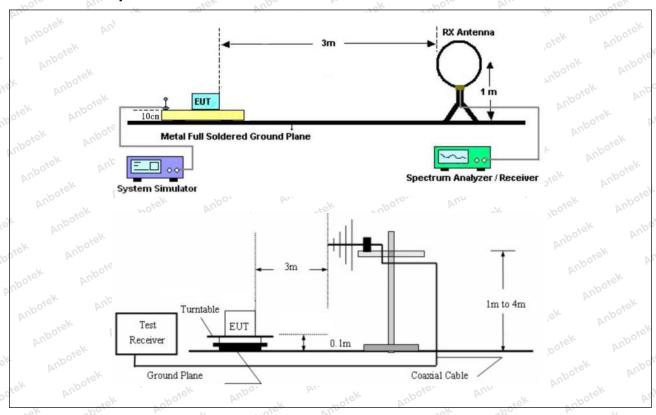






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#### 9.2. Test Setup



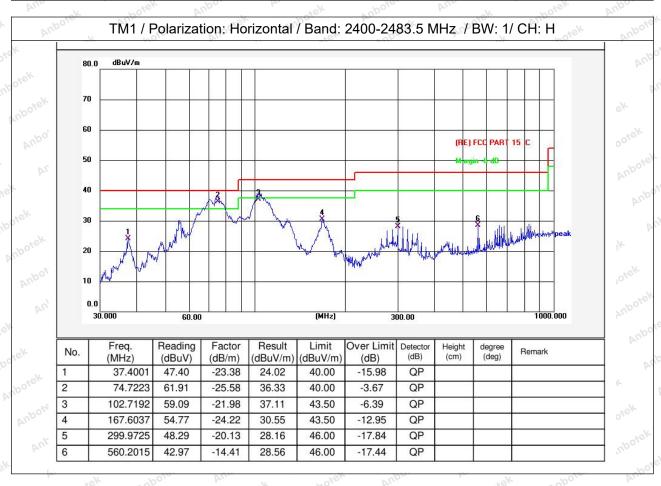




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#### 9.3. Test Data

Temperature: 26.5 °C Humidity: 53.4 % Atmospheric Pressure: 101 kPa

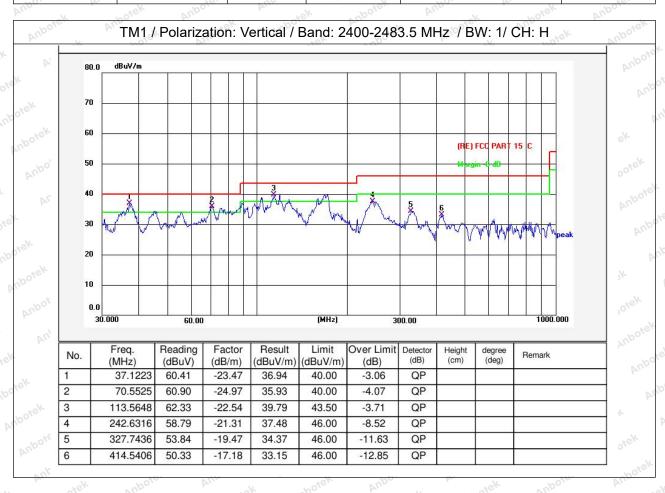






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Temperature: 26.5 °C Humidity: 53.4 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data in the report.







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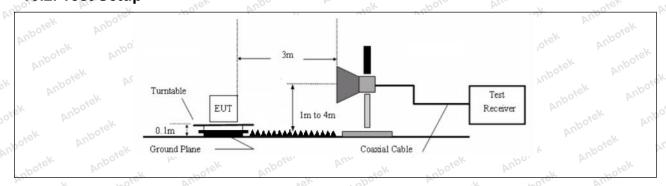
### 10. Emissions in frequency bands (above 1GHz)

Test Requirement:		ons which fall in the restricted background $5(c)$ .	
atek Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
io. K Polek	0.009-0.490	2400/F(kHz)	300 Magaza
inpoter And	0.490-1.705	24000/F(kHz)	30
A. Otek Vupote,	1.705-30.0	30	30
Anbo k k kotek	30-88	100 **	3,ek anbore
To at Dimite	88-216	150 **	3
Test Limit:	216-960	200 **	3 pore. And
Anbo	Above 960	500 hotel Anbo	3 del no
Upotek Aupotek Vipotek Vipotek Vipotek Vipotek Vipotek Vipotek	intentional radiators operatifrequency bands 54-72 MH	ragraph (g), fundamental emissi ing under this section shall not b lz, 76-88 MHz, 174-216 MHz or 4 hese frequency bands is permitt	e located in the 470-806 MHz.
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		Anbores, Anb
Procedure:	ANSI C63.10-2020 section	6.6.4	Ann

### 10.1. EUT Operation

Operating Envir	onment:	anbotek	Aupo.	hotek	Wupote,	And	abotek
Test mode:	continuous 2: TX mod	slỳ transm le(BLE 2M	itting mode	EUT connect to	b.,.		And

### 10.2. Test Setup









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#### 10.3. Test Data

	Temperature:	26.5 °C	Humidity:	53.4 %	Atmospheric Pressure:	101 kPa	
- 1	P/2	20	8°	'	100, Dv.		

Aur	hotek Anb		atek anbott	And	ak hotek	Anbo.
			TM2 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	27.74	15.27	43.01	74.00	-30.99	Vertical
7206.00	27.92	18.09	46.01	74.00	-27.99	Vertical
9608.00	28.53	23.76	52.29	74.00	-21.71	Vertical
12010.00	Aupote * A	iek.	Spotek Aup	74.00	otek Anbote	Vertical
14412.00	*Upo*sk	Anbo	potek t	74.00	iek onk	Vertical
4804.00	27.47	15.27	42.74	74.00	-31.26	Horizontal
7206.00	28.18	18.09	46.27	74.00	-27.73	Horizontal
9608.00	27.80	23.76	51.56	74.00	-22.44	Horizontal
12010.00	otek * Aupo	-K 20	iek Aupote	74.00	· nbotek	Horizontal
14412.00	hotek* An	DOJE VILL	rek anbo	74.00	ok hotel	Horizontal
Average value: Frequency	Reading	Factor	Result	Limit	Over Limit	nolorization
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	polarization
4804.00	16.01	15.27	31.28	54.00	-22.72	Vertical
7206.00	16.97	18.09	35.06	54.00	-18.94	Vertical
9608.00	18.00 pm	23.76	41.76	54.00	-12.24	Vertical
12010.00	NO tek	Anbore, An	-xek	54.00 M	. by.	Vertical o
14412.00	Ans *	anbotek	Aupo, ok	54.00	ipole, Aug	Vertical
4804.00	15.80	15.27	31.07	54.00	-22.93	Horizontal
7206.00	17.21	18.09	35.30	54.00	-18.70	Horizontal
9608.00	17.31 do	23.76	41.07	54.00	-12.93	Horizontal
12010.00	rek *	otek Wupor	rk roj	54.00	Aug	Horizontal
14412.00	4 ×	wiek ant	Ote And	54.00	ek Aupo	Horizontal



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				hotek	Anbor	rek
			ГМ2 / СН: М			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	27.29	15.42	42.71	74.00	-31.29	Vertical
7320.00	27.89	18.02	45.91	74.00	-28.09	Vertical
9760.00	28.03	23.80	51.83	74.00	-22.17	Vertical
12200.00	ek * nbotek	Anbo.	hotek	74.00	And	Vertical
14640.00	* * *	tek Aupote	Pur Vie	74.00	Vupo.	Vertical
4880.00	27.28	15.42	42.70	74.00	-31.30	Horizontal
7320.00	28.05	18.02	46.07	74.00	-27.93	Horizontal
9760.00	27.52	23.80	51.32	74.00	-22.68	Horizontal
12200.00	* otek	Anbore	And	74.00	Yupo.	Horizontal
14640.00	P.T.	nbotek	Aupo.	74.00	Anboid	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	16.10	15.42	31.52	54.00	-22.48	Vertical
7320.00	16.83	18.02	34.85	54.00	-19.15	Vertical
9760.00	17.85	23.80	41.65	54.00	-12.35	Vertical
12200.00	k *upote	N Diek	anboter	54.00	aborek	Vertical
14640.00	otek * Anbot	And	sk spojek	54.00	k, hotek	Vertical
4880.00	15.91	15.42	31.33	54.00	-22.67	Horizontal
7320.00	17.56	18.02	35.58	54.00	-18.42	Horizontal
9760.00	17.61	23.80	41.41	54.00	12.59 And	Horizontal
12200.00	Anbotek	Anb.	botek	54.00	woick a	Horizontal
14640.00	* botek	Anbo	D. C. C.	54.00	And	Horizontal





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En VUD	rick	anbore	bii.	hoter	VUD.	niek .
		٦	ГМ2 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.42	15.58	43.00	74.00	-31.00 m	Vertical
7440.00	28.05	17.93	45.98	74.00	-28.02	Vertical
9920.00	28.73	23.83	52.56	74.00	-21.44	Vertical
12400.00	* P*	anbore.	And	74.00	Anbo.	Vertical
14880.00	* Vup	iek upołek	Aupo.	74.00	Anbore	Vertical
4960.00	27.42	15.58	43.00	74.00	-31.00	Horizontal
7440.00	28.26	17.93	46.19	74.00	-27.81	Horizontal
9920.00	27.90	23.83	51.73	74.00	-22.27	Horizontal
12400.00	AUD * "SK	abotek	Aupo,	74.00	Anbotes An	Horizontal
14880.00	V.Apo,	Notek Notek	Anbores	74.00	abotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	17.22	15.58	32.80	54.00	-21.20	Vertical
7440.00	18.10	17.93	36.03	54.00	17.97 And	Vertical
9920.00	18.50	23.83	42.33	54.00	-11.67	Vertical
12400.00	k * spojek	Aupor	hotek	54.00	And	Vertical
14880.00	* * *	sk Vupoje.	Aug	54.00	Vupe.	Vertical
4960.00	17.09	15.58	32.67	54.00	-21.33	Horizontal
7440.00	18.36	17.93	36.29	54.00	ek -17.71,00te	Horizontal
9920.00	17.76	23.83	41.59	54.00	-12.41	Horizontal
12400.00	* tek	Anbores	Vur Jek	54.00	po. Vr.	Horizontal
14880.00	Aux rek	anbotek	Aupor	54.00	Aupole P	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.
- 3. Only the worst case is recorded 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 -----

