

182512C400261102 FCC ID: 2A4K9-B1 Report No.: Page 1 of 33

# **FCC Test Report**

Applicant

## YABER TECHNOLOGIES CO., LIMITED

Address

Room 406,4 Floor, B Building, BanTian International Center, HuanCheng South Road, BanTian Street, LongGang District, Shenzhen, 518000, China

Projector Product Name :

**Report Date** 

Jul. 29, 2024



#### Shenzhen Anbotek Compliance Laboratory Limited

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





FCC ID: 2A4K9-B1

Page 2 of 33

## Contents

1. General Information						. 6
<ol> <li>General Information</li></ol>	ng Test		<sup>Alar</sup> ocina anologa ana	<sup>hodna</sup> hodna ha hodna		6 6 7 7
1.6. Measurement Uncertainty 1.7. Test Summary	knb	1997,000 1997,000 1997,000 1997	lootek p	sbotek Anbotek	huporok huporok	. 8 . 8 . 8
1.9. Disclaimer 1.10. Test Equipment List	Anvotek	Anbolek Anbolek	Hayodra .	Kupo <sub>len</sub>	k kaboł	9 9 10
2. Antenna requirement	Anter	inpotek		Nr. N	weiter	12
2.1. Conclusion	ek Anbo.		ek bupc	ste. Ann		12
3. Conducted Emission at AC power line	Botek	Den Der	waxa.	photon I	up	13
3.1. EUT Operation 3.2. Test Setup 3.3. Test Data	Anuolek A	noor An Anootek	An <sup>borok</sup>	Anborer Anboret	Anbe Anberek	13 13 14
4. Occupied Bandwidth	, potek	Anbor	AI. wotek	Anbote	Anb	16
4. Occupied Bandwidth 4.1. EUT Operation 4.2. Test Setup 4.3. Test Data	Nonek anno	Anbore Pak	Ann Anno	ie <sup>k</sup> pob <sup>r</sup>	nvotek	16 17 17
5. Maximum Conducted Output Power.		potek Ant	, d , o	botek	Anboter	18
<ul> <li>4.2. Test Setup</li></ul>	Anburgetet	hind a state	Anbone Anbone Anbone	Anternan Anternan Anternan	Anboten	18 18 18
6. Power Spectral Density	K	Anbois	K	orden 19	ten Anb	19
<ul> <li>5.3. Test Data</li> <li>6. Power Spectral Density</li> <li>6.1. EUT Operation</li> <li>6.2. Test Setup</li> <li>6.3. Test Data</li> <li>7. Emissions in non-restricted frequency</li> </ul>	v					19
7. Emissions in non-restricted frequency	y bands	habotek l	upp.		Anbore	20
7.1. EUT Operation 7.2. Test Setup 7.3. Test Data	Anto Anborek	Antoorek Antoorek	Anbo	Aritotek Aritotek	eh Ano	20 20 20
8. Band edge emissions (Radiated)		k pobote	Ant		no <sup>tek</sup>	21
<ul> <li>7.2. Test Setup</li> <li>7.3. Test Data</li> <li>8. Band edge emissions (Radiated)</li> <li>8.1. EUT Operation</li></ul>	,	istaq Antoq		unborok unborok	Anbotek Anbotek	21 22 23
9. Emissions in frequency bands (below	/ 1GHz)	NN <sup>botek</sup>	Anbor	A	boter	24
9.1. EUT Operation 9.2. Test Setup 9.3. Test Data						

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



Report No.: 182512C400261102	FCC ID: 2A4K9-B1	Page 3 of 33	
10. Emissions in frequency bands (above 1GHz)	An Anbotek Anboten Anbo	ek	28
10.1. EUT Operation	All	notek 2	28 🕅
	k	2	29
	-k votek Anboten	And	50
APPENDIX I TEST SETUP PHOTOGRAPH APPENDIX II EXTERNAL PHOTOGRAPH			33 33
APPENDIX III INTERNAL PHOTOGRAPH	aboten Anbo		33

#### Shenzhen Anbotek Compliance Laboratory Limited

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



Anbotek 🕨			
Product Safety			
		anbotek Anbote And And	
Report No.:	182512C400261102	FCC ID: 2A4K9-B1	Page 4 of
	k Anborek Anbore		anbotek
	tek unbotek IES	T REPORT	
Applicant	: YABER TECHNO	LOGIES CO.,LIMITED	
Manufacturer	: YABER TECHNO	LOGIES CO.,LIMITED	Anbo k
Product Name	: Projector	Anborek Anborek Anbore	
Model No.	Anbo'B1 Anbore		abotek Anbotek
Trade Mark	: Toptro	ek Anbotek Anbote A	
Rating(s)	: Input: 19V3.42A	A (with DC 14.8V, 5000mAh batte	ry inside)

## Test Standard(s) : KDB 5580

47 CFR Part 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10-2020

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with above listed standard(s) requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt:

Date of Test:

Jun. 18, 2024

Jun. 18, 2024 to Jul. 02, 2024

Nian Xiu Chen

(Nianxiu Chen)

Bolward pan

Approved & Authorized Signer:

(Edward Pan)

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com Hotline 400–003–0500 www.anbotek.com.cn



33

Anboten Ano

Artek

Prepared By:



### Report No.: 182512C400261102 FCC ID: 2A4K9-B1 Page 5 of 33

#### **Revision History**

Report Version	Description	Issued Date
R00 R00 Ant	Original Issue.	Jul. 29, 2024
Anboi Anboitek	Anbotek Anbotek Anbotek	Anboi Anboiek Anboiek A
atek unbotek Anboten	And Anborek Anborek Anbor	htek Anbotek Anboten

Anbc

#### Shenzhen Anbotek Compliance Laboratory Limited

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



#### FCC ID: 2A4K9-B1

#### 1. General Information

#### 1.1. Client Information

Applicant	: YABER TECHNOLOGIES CO.,LIMITED
Address	Room 406,4 Floor,B Building,BanTian International Center,HuanCheng South Road,BanTian Street, LongGang District,Shenzhen, 518000, China
Manufacturer	: YABER TECHNOLOGIES CO.,LIMITED
Address	Room 406,4 Floor,B Building,BanTian International Center,HuanCheng South Road,BanTian Street, LongGang District,Shenzhen, 518000, China
Factory	: YABER TECHNOLOGIES CO.,LIMITED
Address	Room 406,4 Floor,B Building,BanTian International Center,HuanCheng South Road,BanTian Street, LongGang District,Shenzhen, 518000, China

#### 1.2. Description of Device (EUT)

Product Name	:	Projector Anbotek Anbotek Anbotek Anbotek Anbotek
Model No.	:	Bibotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	Toptrotet Anbertek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V/60Hz for Adapter; DC 14.8V Battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	MODEL: A653-1903420D INPUT: 100-240V~50/60Hz 1.5A OUTPUT: 19.0V 3.42A 64.98W

#### **RF Specification**

Operation Frequency		2402MHz to 2480MHz
operation requeries	•	
Number of Channel	:	40 Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Modulation Type	:	GFSK Anbotek Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	FPC Antenna Andreas Andreas Andreas Andreas Andreas Andreas
Antenna Gain(Peak)	:	2.78dBi <sup>rek</sup> Anborek Anborek Anborek Anborek Anborek Anborek
Remark: (1) All of the RF specif (2) For a more detailed User's Manual.	ica d fe	tion are provided by customer. Patures description, please refer to the manufacturer's specifications or the

#### Shenzhen Anbotek Compliance Laboratory Limited

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



### Report No.: 182512C400261102 FCC ID: 2A4K9-B1 Page 7 of 33

#### 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
An Anbotek Anboten	Anbotek Anbotek	Anbor An nborek	Anboten And hote

#### 1.4. Operation channel list

**Operation Band:** 

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Ootek	2402	Anbu otek	2422	20	2442	30	2462
1 notek	2404	11	2424	21	2444	31 nore	2464
ek 2 000	2406 <sup>10010</sup>	12	otek 2426 phot	22 Anbo	2446	rek 32 Anbe	2466
Jek 3	100 <sup>101</sup> 2408 pm	13	2428	23 AT	2448	ibote <sup>k</sup> 33 M	2468
4	2410	mbor 14	2430	24 Anto 124	2450	34	2470
Anbe 5 tek	2412	Anborto	2432	25	2452	35	2472
And botek	2414	16	2434	26 <sup>01010</sup>	2454	36 botek	2474
7 200	2416 of a	17 <sup>nbo</sup>	2436	K 27 Anbot	2456	ek 37 Anbo	2476
8 Antes	2418	18 And	2438	ote <sup>k</sup> 28 Ant	2458	oter 38	2478 <sup>And</sup>
9 An	2420	bote <sup>k</sup> 19 P	2440	100 <sup>1</sup> 29	2460	39	2480

#### 1.5. Description of Test Modes

Pretest Modes	Descriptions
ek abote TM1 Anboten	Keep the EUT works in continuously transmitting mode (BLE 1M)
TM2 Anboien	Keep the EUT works in continuously transmitting mode (BLE 2M)

#### Shenzhen Anbotek Compliance Laboratory Limited

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



#### botek Α **Product Safety**

#### 182512C400261102 Report No.:

FCC ID: 2A4K9-B1

Page 8 of 33

#### 1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB
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 ev This uncertainty represents an expanded uncertain level using a coverage factor of k=2.	aluated according to AB/WI-RF-F-032. ty expressed at approximately the 95% confidence

#### 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	oten And tek	ibotek P At
Conducted Emission at AC power line	Mode1,2	AnbotP
Occupied Bandwidth	Mode1,2	AntPrek
Maximum Conducted Output Power	Mode1,2	Rhbotek
Power Spectral Density	Mode1,2	ek P Anbo
Emissions in non-restricted frequency bands	Mode1,2	potek P Ar
Band edge emissions (Radiated)	Mode1,2	A <sup>ptod</sup>
Emissions in frequency bands (below 1GHz)	Mode1,2	AnbPiek
Emissions in frequency bands (above 1GHz)	Mode1,2	Photek
Note: P: Pass N: N/A, not applicable	Anbotek Anbotek Anbot	otek Anbot

#### Shenzhen Anbotek Compliance Laboratory Limited

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





#### FCC ID: 2A4K9-B1

Page 9 of 33

#### 1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### FCC-Registration No.: 434132

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

#### **ISED-Registration No.: 8058A**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

#### **Test Location**

Shenzhen Anbotek Compliance Laboratory Limited. 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

#### 1.9. Disclaimer

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

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

#### Shenzhen Anbotek Compliance Laboratory Limited

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



FCC ID: 2A4K9-B1

Page 10 of 33

#### 1.10. Test Equipment List

00		note. DUP				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
4 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
3 of	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Avootek	Anboi
4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11
	bor	Put	der no		od yo	Put Put

Occupied Bandwidth	Anbo	-by
Maximum Conducted Output F	Power sole	
Power Spectral Density		

Emis	sions in non-restricte	a frequency pands	- Ko	100 <sup>1</sup>	P.r.	in other
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 Ant	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/Aphbol	2023-10-16	2024-10-15
<sub>e</sub> 2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
,	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
An4ote	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5,00	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6 🖻	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03

#### Shenzhen Anbotek Compliance Laboratory Limited

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



FCC ID: 2A4K9-B1

Page 11 of 33

0.00	V La O La O L	Anbora	Ano	Anbotek	Anboi
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2024-01-17	2025-01-16
Double Ridged Horn Antenna		BBHA 9120D	02555	2022-10-16	2025-10-15
4 EMI Test Software SHURPLE		N/A	N/A	And	Anbotek
Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2024-05-07	2025-05-06
	sions in frequency ba Equipment EMI Test Receiver EMI Preamplifier Double Ridged Horn Antenna EMI Test Software EZ-EMC Horn Antenna Spectrum Analyzer	EMI Test ReceiverRohde & SchwarzEMI PreamplifierSKET ElectronicDouble Ridged Horn AntennaSCHWARZBECKEMI Test Software EZ-EMCSHURPLEHorn AntennaA-INFOSpectrum AnalyzerRohde & Schwarz	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.EMI Test ReceiverRohde & SchwarzESR26EMI PreamplifierSKET ElectronicLNPA- 0118G-45Double Ridged Horn AntennaSCHWARZBECKBBHA 9120DEMI Test Software EZ-EMCSHURPLEN/AHorn AntennaA-INFOLB-180400- KFSpectrum AnalyzerRohde & SchwarzFSV40-NAmplifierTalent MicrowaveTLLA18G40	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.Serial No.EMI Test ReceiverRohde & SchwarzESR26101481EMI PreamplifierSKET ElectronicLNPA- 0118G-45SKET-PA- 002Double Ridged Horn AntennaSCHWARZBECKBBHA 9120D02555EMI Test Software EZ-EMCSHURPLEN/AN/AHorn AntennaA-INFOLB-180400- KF8Spectrum AnalyzerRohde & SchwarzFSV40-N102150AmplifierTalent MicrowaveTLLA18G40 2302280223022802	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.Serial No.Last Cal.EMI Test ReceiverRohde & SchwarzESR261014812024-01-23EMI PreamplifierSKET ElectronicLNPA- 0118G-45SKET-PA- 0022024-01-17Double Ridged Horn AntennaSCHWARZBECKBBHA 

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	2024-01-23	2025-01-22
2	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16
34	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
Antore	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11
5.nb	EMI Test Software EZ-EMC	SHURPLE	N/A	N/Anbot	Anborr	Anbotek

#### Shenzhen Anbotek Compliance Laboratory Limited

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





FCC ID: 2A4K9-B1

Page 12 of 33

#### 2. Antenna requirement

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

#### 2.1. Conclusion

The antenna is a **FPC Antenna** which permanently attached, and the best case gain of the antenna is **2.78 dBi**. It complies with the standard requirement.

#### Shenzhen Anbotek Compliance Laboratory Limited

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





#### FCC ID: 2A4K9-B1

Page 13 of 33

#### 3. Conducted Emission at AC power line

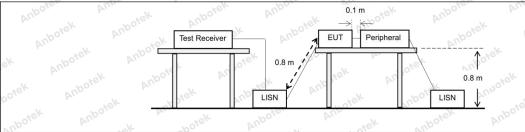
Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the r back onto the AC power line on ar band 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms (LISN).	that is designed to be con adio frequency voltage than by frequency or frequencie t exceed the limits in the fo	nected to the at is conducted s, within the ollowing table, as
botek Anboi	Frequency of emission (MHz)	Conducted limit (dBµV)	A sotek
All aboten	Anber K hotek Anbore	Quasi-peak	Average
Anbor An	0.15-0.5	66 to 56*	56 to 46*
Test Limit:	0.5-5 tek noote And	56 potek M	46
Anticek	5-30	60	50 ten And
Anbore Am	*Decreases with the logarithm of t	he frequency.	pr. hotek Anbe
Test Method:	ANSI C63.10-2020 section 6.2	and anboten	And otek
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un		
3.1. EUT Operation	Anbotek Anbotek Anbo	tek Anborek Anbo	otek Anbotek

#### 3.1. EUT Operation

#### **Operating Environment:**

Operating Env	ronment:					dek		0.
Test mode:	1M)	101- He	otek Anbi			Anbote.	ing mode (BLE ing mode (BLE	
boten Aupo	2M)	potek p	nbort A	nbotek	Anboten	Anbe	Anbotek	

#### 3.2. Test Setup



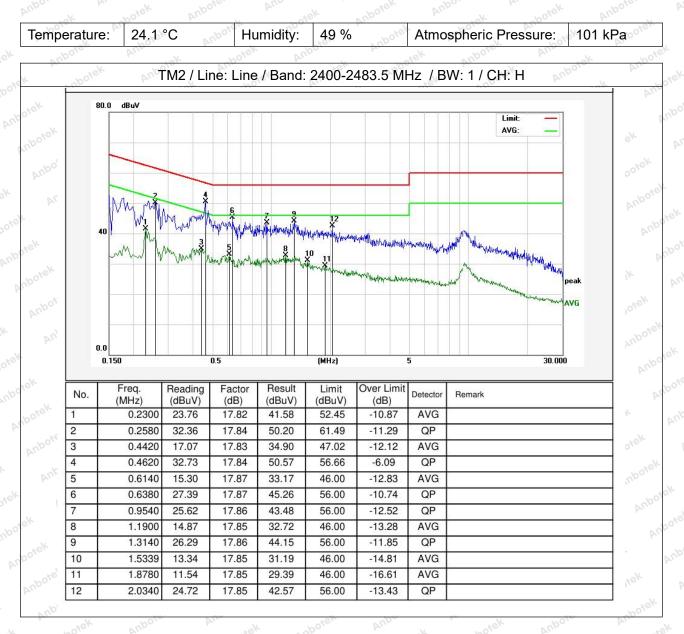
#### Shenzhen Anbotek Compliance Laboratory Limited

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





#### 3.3. Test Data

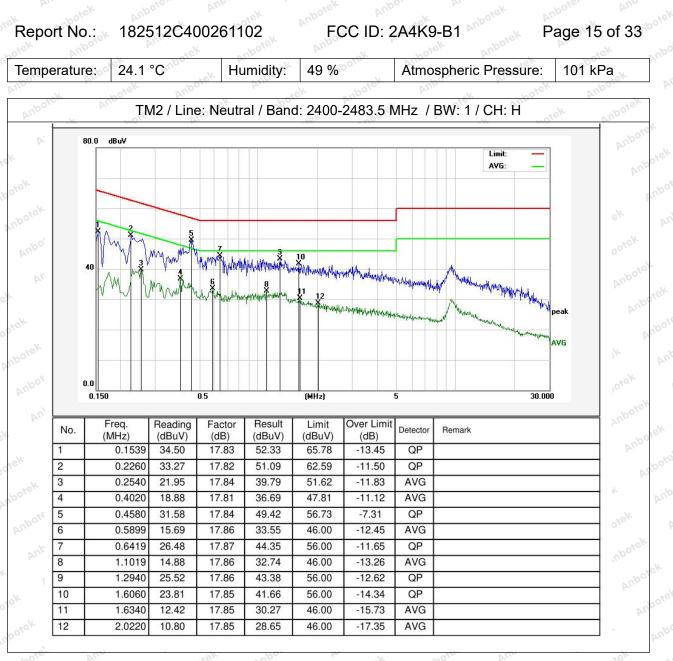


#### Shenzhen Anbotek Compliance Laboratory Limited

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







Note:Only record the worst data in the report.

#### Shenzhen Anbotek Compliance Laboratory Limited

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



Anbotek Product Safety

#### Report No.: 182512C400261102

FCC ID: 2A4K9-B1

Page 16 of 33

## 4. Occupied Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
Anbotek Anbotek Anbotek Anbotek	<ul><li>11.8.1 Option 1</li><li>The steps for the first option are as follows:</li><li>a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.</li></ul>
Annotek Anbotek	b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = may hold
otek Anbotek Anb	<ul> <li>d) Trace mode = max-hold.</li> <li>e) Sweep = No faster than coupled (auto) time.</li> <li>f) Allow the trace to stabilize.</li> </ul>
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.
tek Anbotek Anbo	11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be
Anbotek Anbotek A	employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW $\ge$ 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation
Anbotek Anbotek Anbotek Anbotek	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 $\ge 6$ dB.

#### 4.1. EUT Operation

Operating Envir	ronment: Moore	Pur	tek ant	potek An	ou.	n botek	Anbore
Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE 2M)	lek al	hore I		abotek	Aupo	k hotek

#### Shenzhen Anbotek Compliance Laboratory Limited

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





#### Report No.: 182512C400261102 FCC ID: 2A4K9-B1 Page 17 of 33

#### 4.2. Test Setup

2			EUT	Spec	ctrum Analyzer	PL		Anbotek	
orely or	Anbatek	Anbotc	A	Anboter	And	Anbotek	Anbotek	Anbo.	

#### 4.3. Test Data

Temperature:	25.3 °C	_*eK	Humidity:	48 %	Atmospheric Pressure:	101 kPa
AV .	N/	10°	12×1	140		(AQ)

Please Refer to Appendix for Details.

#### Shenzhen Anbotek Compliance Laboratory Limited

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





#### FCC ID: 2A4K9-B1

Page 18 of 33

### 5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit: Anborek Anborek Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power

#### 5.1. EUT Operation

Operating Envir	onment:	abotek	Anbo	h. hotek	Anbore		tek nor
tek Anbotek	1: TX mode(BLE 1M)	1M): Keep	o the EUT v	vorks in con	tinuously tr	ansmitting r	node (BLE
Test mode:	2: TX mode(BLE 2M)	: 2M): Keep	o the EUT v	vorks in con	itinuously tr	ansmitting r	node (BLE
5.2. Test Set	uptek Anboter	Anbu	.tek	nbotek	Anbore	All hotek	Anboren

#### 5.2. Test Setup

EUT	Spectrum Analyzer

#### 5.3. Test Data

Temperature:	25.3 °C	And	lumidity:	48 %	Atmospheric Pressure	e: 101 kPa
00-	10.	200	h.	N. John	No. VUL	Let 19

Please Refer to Appendix for Details.

#### Shenzhen Anbotek Compliance Laboratory Limited

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





#### FCC ID: 2A4K9-B1

## 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

Test mode:       1: TX mode(BLE 1M): Keep the EUT works in continuously transmitting mode (BLE 1M)         2: TX mode(BLE 2M): Keep the EUT works in continuously transmitting mode (BLE 2M): Keep the EUT works in continuously transmitting mode (BLE 2M)	9	Operating Envir	onment:	Anbote.	Ant	-Yek	obotek	Anbo	ek h.	botek
	1	Fest mode:	1M) Anbore	Pli			Anbe	V	hotek	Anbor

#### 6.2. Test Setup

		EUT		Spectrum An	alyzer	
10- wotek	Anbotek	Ann	abotek	Anbo.	A.	×

#### 6.3. Test Data

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

Please Refer to Appendix for Details.

#### Shenzhen Anbotek Compliance Laboratory Limited

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



<u>Anbotek</u> **Product Safety** 

#### Report No.: 182512C400261102

FCC ID: 2A4K9-B1

Page 20 of 33

### 7. Emissions in non-restricted frequency bands

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

#### 7.1. EUT Operation

Operating Envir	onment:						
tek Anbotek	1: TX mode(BLE 1M)	E 1M): Kee	ep the EUT	works in c	ontinuously	transmitting i	mode (BLE
Test mode:	2: TX mode(BLE 2M)	E 2M): Kee	ep the EUT	works in c	ontinuously	transmitting i	mode (BLE
7.2. Test Set	N notek	Anbe	20 <sup>16</sup> . AN	abotek	Anbotek	Anbo	Anbotek

#### 7.2. Test Setup

	EUT	 s	pectrur	n Analyze	ər		
	b	200	107	AND-	~	Υ.	

#### 7.3. Test Data

Temperature:	25.3 °C	AUDO	Humidity:	48 % M <sup>bone</sup>	Atmospheric Pressure:	101 kPa
OUP	10.	~V00.	1×.	V	e. Vur	ak abo

Please Refer to Appendix for Details.

#### Shenzhen Anbotek Compliance Laboratory Limited

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





FCC ID: 2A4K9-B1

#### 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	oly with the					
K Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
notek Anbotek	0.009-0.490	2400/F(kHz) 24000/F(kHz)	300					
nbo rek potek	1.705-30.0	30	30					
Anbor Ar.	30-88	100 **	3 ek note					
anboten Anbo	88-216	150 **	3					
A. Anbote	216-960	200 **	3 bote And					
Test Limit:	Above 960	500 boten And	3 otek ont					
intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.								
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ek Anbotek					

### 8.1. EUT Operation

Operating Envir	onment:	nbotek	Anbo,	k pro	botek	Anboter	And	stek N
botek Anboten	1: TX mode(BLE 1M)	1M): Keep	the EUT v	works in	continuo	usly transr	nitting m	ode (BLE
Test mode:	2: TX mode(BLE	2M): Keep	the EUT v	works in	continuo	usly transr	nitting m	ode (BLE
Al. sek	2M) Anu		otek A	nbo'	be.	. ek	nboter.	And

#### Shenzhen Anbotek Compliance Laboratory Limited

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

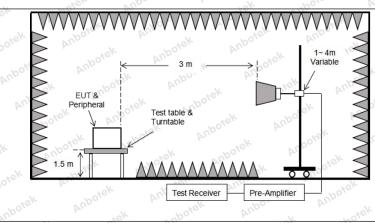




#### FCC ID: 2A4K9-B1

Page 22 of 33

#### 8.2. Test Setup



#### Shenzhen Anbotek Compliance Laboratory Limited

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



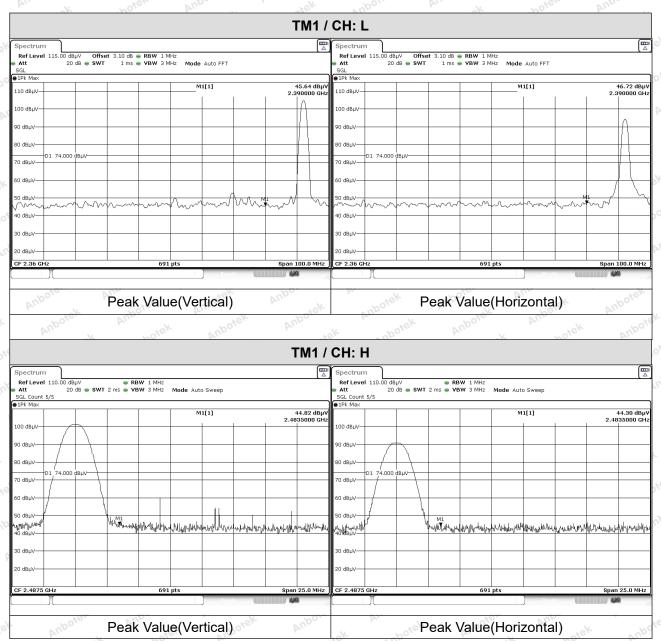


FCC ID: 2A4K9-B1

Page 23 of 33

#### 8.3. Test Data

Temperature	: 25.3 °C	Humidi	ty: 48 %	Atmospheric I	Pressure: 101 kPa	K
	12.1	The second se	<u>,                                    </u>		N NOT	21



Remark:

- 1. When the PK measure result value is less than the AVG limit value, the AV measure result values test not applicable.
- 2. During the test, pre-scan all modes, the report only record the worse case mode.

#### Shenzhen Anbotek Compliance Laboratory Limited

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





FCC ID: 2A4K9-B1

Page 24 of 33

#### 9. Emissions in frequency bands (below 1GHz)

Test Requirement:	restricted bands, as defined	In addition, radiated emissions in § 15.205(a), must also comp cified in § 15.209(a)(see § 15.2	ly with the					
k Anbotek Anbot otek Anbotek An	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
nbotek Anbotek	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300 30					
Anbotek Anbote.	1.705-30.0 30-88	30 100 **	30 3					
Anbote: Ant	88-216 216-960	150 ** 200 **	3					
Test Limit:Image: Constraint of the section of the secti								
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M							
Procedure:	ANSI C63.10-2020 section	6.6.4 ph	pore Am					

### 9.1. EUT Operation

Operating Envir	onment:	Anbotek	Anbo.	ak A	-botek	Anboter	And	stek N
hotek Anboten	1: TX mode(BLE	1M): Keep	the EUT	works in	continuc	ously transr	nitting mo	ode (BLE
Test mode:	1M) 2: TX mode(BLE	2M): Keep	the EUT	works in	continuc	usly transr	nitting mo	ode (BLE
Ann	2M)	ak n	otek	Anbore	And	dek N	obotek	Anbo.

#### Shenzhen Anbotek Compliance Laboratory Limited

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

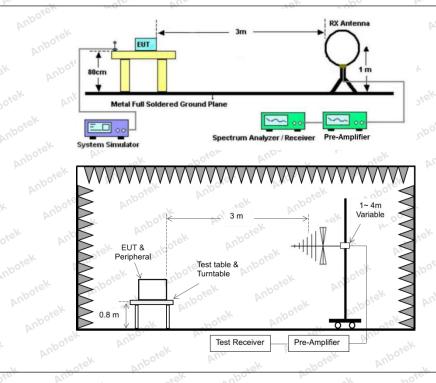




FCC ID: 2A4K9-B1

Page 25 of 33

#### 9.2. Test Setup



#### Shenzhen Anbotek Compliance Laboratory Limited

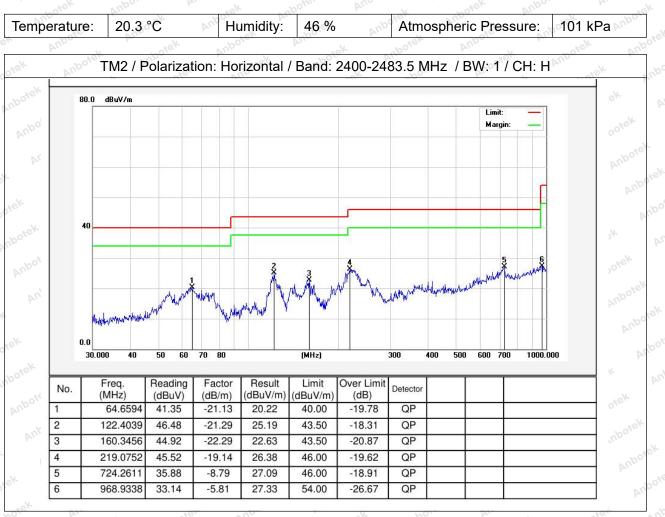
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





#### 9.3. Test Data

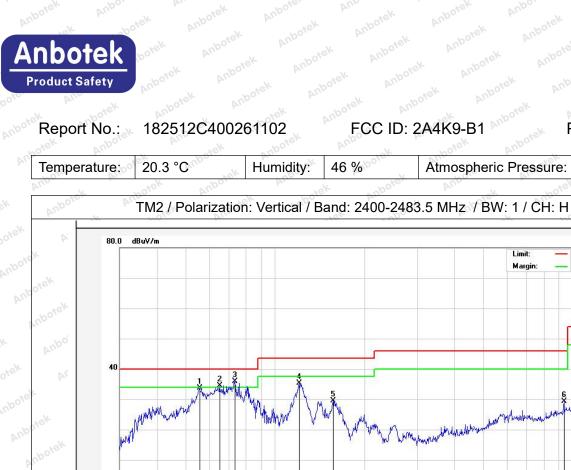
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.



#### Shenzhen Anbotek Compliance Laboratory Limited

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





No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector			
1	55.6094	52.96	-19.29	33.67	40.00	-6.33	QP			
2	64.8865	55.73	-21.21	34.52	40.00	-5.48	QP			
3	73.3593	59.34	-23.34	36.00	40.00	-4.00	QP	+	-	
4	120.2766	56.26	-20.96	35.30	43.50	-8.20	QP			
5	156.4578	51.81	-22.36	29.45	43.50	-14.05	QP	+		
6	932.2715	35.59	-6.23	29.36	46.00	-16.64	QP	+		

Note:Only record the worst data in the report.

0.0

#### Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com Hotline 400–003–0500 www.anbotek.com.cn

Anbc



Page 27 of 33

101 kPa



FCC ID: 2A4K9-B1

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

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).								
k Anbotek Anbot otek Anbotek An	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)						
Inbotek Anbotek	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300 30						
Anbotek Anbotek	1.705-30.0 30-88 88-216	30 100 ** 150 **	30 3 3						
Anbotek Anbote	216-960 Above 960	200 ** 500	3 of a state of a stat						
Test Limit: ofen Anborek	Test Limit:3** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.								
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ek Anbo						
Procedure:	ANSI C63.10-2020 section	6.6.4 And Andreak And	por An Anbotek						

### 10.1. EUT Operation

Operating Envir	onment:	nbotek	Anbo	k bri	botek	Anboter	Ans	stek N
hotek Anboten	1: TX mode(BLE	: 1M): Kee	p the EUT	works in	i continuc	ously trans	mitting m	ode (BLE
Test mode:	1M) 2: TX mode(BLE	: 2M): Kee	p the EUT	works in	continuo	ously trans	mitting m	ode (BLE
Ann	2M)	- K	otek p	nbore.	Ann	dek.	nbotek	Anbo

#### Shenzhen Anbotek Compliance Laboratory Limited

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

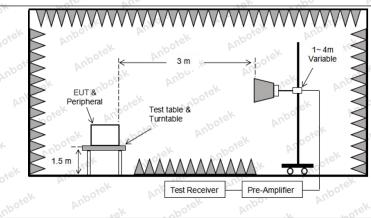




#### FCC ID: 2A4K9-B1

Page 29 of 33

#### 10.2. Test Setup



#### Shenzhen Anbotek Compliance Laboratory Limited

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



FCC ID: 2A4K9-B1

Page 30 of 33

#### 10.3. Test Data

Temperature:	20.3 °C	Humidity:	46 % proof	Atmospheric Pressure:	101 kPa
20V	Y. As	0. P.		600	K Po.

		-	TM2 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	29.86	15.27	45.13	74.00	-28.87	Vertical
7206.00	29.68	18.09	47.77	74.00	-26.23	Vertical
9608.00	31.01	23.76	54.77	74.00	-19.23	Vertical
12010.00	Anbote * Ar	in sek	botek Anb	74.00	otek Anbote	Vertical
14412.00	Anbo*ek	Anbo	hotek P	74.00	stek ont	Vertical
4804.00	29.40	15.27	44.67	74.00	-29.33	Horizontal
7206.00	30.72	18.09	48.81	74.00	-25.19	Horizontal
9608.00	28.71	23.76	52.47	74.00	-21.53	Horizontal
12010.00	potek * Anbo	ak ho	rek Anbote	74.00	r potek	Horizontal
14412.00	-botek* An	pore Ann	atek anbo	74.00	where the state	Horizontal

#### Average value:

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	18.13	15.27	33.40	54.00	-20.60	Vertical
7206.00	18.73	18.09	36.82	54.00	-17.18	Vertical
9608.00	20.48	23.76	44.24	54.00	-9.76	Vertical
12010.00	worker.	Anboten An	sek or	54.00 × 54	-k ne	Vertical o
14412.00	And *	nbotek	Anbo, A.	54.00	bote. And	Vertical
4804.00	17.73	15.27	33.00	54.00	-21.00	Horizontal
7206.00	19.75	18.09	37.84	54.00	-16.16	Horizontal
9608.00	18.22	23.76	41.98	54.00	-12.02	Horizontal
12010.00	tek *	otek Anbo.	ak hot	54.00	And	Horizontal
14412.00	NDO *	botek Ant	Jote Ann	54.00	ek Anbo	Horizontal
		and the second s	10.	6 V V		10. 000

#### Shenzhen Anbotek Compliance Laboratory Limited

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



botek Α **Product Safety** 

		1	ГМ2 / СН: М			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	29.41	15.42	44.83	74.00	-29.17	Vertical
7320.00	29.65	18.02	47.67	74.00	-26.33	Vertical
9760.00	30.51	23.80	54.31	74.00	-19.69	Vertical
12200.00	ek * abotek	Aupon	protek	74.00	And	Vertical
14640.00	*	rek Anbore	Ann	74.00	Anbo	Vertical
4880.00	29.21	15.42	44.63	74.00	-29.37	Horizontal
7320.00	30.59	18.02	48.61	74.00	-25.39	Horizontal
9760.00	28.43	23.80	52.23	74.00	-21.77	Horizontal
12200.00	* votek	Anboten	Anto	74.00	Inport Pr	Horizontal
14640.00	Ant atek	Anbotek	Anbo	74.00	Anboro	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	18.22	15.42	33.64	54.00	-20.36	Vertical
7320.00	18.59	18.02	36.61	54.00	-17.39	Vertical
9760.00	20.33	23.80	44.13	54.00	-9.87	Vertical
12200.00	K Anbore	Annotek	nbotek	54.00	botek	Vertical
14640.00	otek * Anboth	Anor	ek abotek	54.00	Answork	Vertical
4880.00	17.84	o <sup>16</sup> 15.42	33.26	54.00	-20.74	Horizontal
7320.00	20.10	18.02	38.12	54.00	-15.88	Horizontal
9760.00	18.52	23.80	42.32	54.00		Horizontal
12200.00	anbotek	Anbo	abotek	54.00	wotek a	Horizontal
14640.00	* botek	Anbor	An	54.00	And	Horizontal

Anbo

#### Shenzhen Anbotek Compliance Laboratory Limited

PUR

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

A. C. Hotline of 400-003-0500 www.anbotek.com.cn

Anboi



Anbotek

Anbotek Product Safety

re. Ann	atek.	vupo.		-hote.	Anbotek Pag	Alek .
			TM2 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	29.54	15.58	45.12	74.00	-28.88	Vertical
7440.00	29.81	17.93	47.74	74.00	-26.26	Vertical
9920.00	31.21	23.83	55.04	74.00	-18.96	Vertical
12400.00	* wotek	Anboten	Anu	74.00	Anbor	Vertical
14880.00	* And	tek nbotel	Anbo	74.00	Anbore	Vertical
4960.00	o <sup>otel</sup> 29.35 M <sup>00</sup>	15.58	44.93	74.00	-29.07	Horizontal
7440.00	30.80	17.93	48.73	74.00	-25.27	Horizontal
9920.00	28.81	23.83	52.64	74.00	-21.36	Horizontal
12400.00	Anb *	abotek	Anbor	74.00	inboten Ant	Horizontal
14880.00	Ar*Dor	protek	Anboter	74.00	nbotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	19.34	15.58	34.92	54.00	-19.08	Vertical
7440.00	19.86	17.93	37.79	54.00	-16.21 M	Vertical
9920.00	20.98	23.83	44.81	54.00	-9.19	Vertical
12400.00	k * nbotek	Anbo	hotek	54.00	And	Vertical
14880.00	* *	ak Anbore	Annatek	54.00	Anbo	Vertical
4960.00	19.02	15.58 not	34.60	54.00 otek	-19.40	Horizontal
7440.00	20.90	17.93	o <sup>101</sup> 38.83	54.00	-15. <u>1</u> 70 <sup>0101</sup>	Horizontal
9920.00	18.67	23.83	42.50	54.00 And	-11.50	Horizontal
12400.00	* tek	Anbote	An	54.00	100 Million	Horizontal

Remark:

14880.00

- 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.

54.00

3. Only the worst case is recorded in the report.

#### Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com Hotline 400–003–0500 www.anbotek.com.cn



Horizontal



#### Report No.: 182512C400261102 FCC ID: 2A4K9-B1

Page 33 of 33

#### **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 ----

#### Shenzhen Anbotek Compliance Laboratory Limited

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

