

182513C400031102 FCC ID: 2ATS9-1402D Report No.: Page 1 of 30

# **FCC Test Report**

**Applicant Cleer Limited** 

UNITS 3306-12 33/F, SHUI ON CENTRE, NOS. 6-8 HARBOUR ROAD, WANCHAI, HK, China **Address** 

Cleer Dongle 3 **Product Name** 

: Jul. 09, 2024 **Report Date** 



ce Laboratory Limited









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# TEST REPORT

Applicant : Cleer Limited

Manufacturer : Shenzhen Grandsun Electronic Co., Ltd.

Product Name : Cleer Dongle 3

Model No. : GS1402D

Trade Mark : Cleer

Rating(s) : Input: 5V-- 100mA

47 CFR Part 15.247

Test Standard(s) : 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:	Jun. 19, 2024
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Date of Test:	Jun. 20, 2024 to Jul. 02, 2024
	Ella Islang
Prepared By:	Tok Wholek Aupoles And Market
	(Ella Liang)
	Idward pan
Approved & Authorized Signer:	Arbores And
	(Edward Pan)





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# **Revision History**

	Report Version	Description	Issued Date
	Anbore R00 potek An	Original Issue.	Jul. 09, 2024
3	Anbotek Anbotek	Anbotek Anbotek Anbotek	K Anbotek Anbotek Anb
10	or Anbotek Anbotek	Anbotek Anbotek Anbot	otek Anbotek Anbotek





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#### 1. General Information

## 1.1. Client Information

Applicant	:	Cleer Limited
Address	:	UNITS 3306-12 33/F, SHUI ON CENTRE, NOS. 6-8 HARBOUR ROAD, WANCHAI, HK, China
Manufacturer	:	Shenzhen Grandsun Electronic Co., Ltd.
Address	:	East Park, Gaoqiao Industry Zone, Pingdi Street, Longgang, Shenzhen, China
Factory	:	Shenzhen Grandsun Electronic Co., Ltd.
Address	:	East Park, Gaoqiao Industry Zone, Pingdi Street, Longgang, Shenzhen, China

# 1.2. Description of Device (EUT)

46. VUA.		K 10, b
Product Name	:	Cleer Dongle 3
Model No.	:	GS1402D
Trade Mark	:	Cleer Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	DC 5V via PC
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A And Stek Andorek Andorek Andorek Andorek Andorek
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	40 And Anbotek Anbotek Anbotek Anbotek Anbotek
Modulation Type	:	GFSK Anborek Anborek Anborek Anborek
Antenna Type	:	Ceramic Antenna
Antenna Gain(Peak)	:	0.48dBi Anborek Anborek Anborek Anborek

#### Remark:

- (1) All of the RF specification are provided by customer.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.







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## 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Apple Computer(New, dual Type-C)	Apple Apple	A1708	2016AJ5746

## 1.4. Operation channel list

#### Operation Band:

Operation L	ana.	4. VI		40.	700. K.	5.7	V. V.
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Pupol	2402	Art 10	2422	20	2442	30	2462
Arboro .ek	2404	14º ores	2424	2100101	2444	31 000	2464
2 mbox	2406	12,000te	2426	ek 22 <sub>Ambol</sub>	2446	32	2466
sek 3 Anbc	2408	otek 13 Anb	2428	otek 23 An	2448	33	2468
botek 4 A	2410	nboiel14	2430	24	2450	34	2470
Anbot 5	2412	15	2432	25	2452	And 35	2472
An6 ret	2414	16	2434	26	2454	36	2474
Zupojek	2416	17 <sub>nb</sub> otel	2436	27	2456	37	2476
isk 8 Mpo,	2418	ek 18 Anb	2438	28	2458	38	2478
potek 9 Ar	2420	note 19	2440	29	2460	39	2480

## 1.5. Description of Test Modes

	Pretest Modes	Descriptions
4	Anbore TM1 aborek	Keep the EUT works in continuously transmitting mode (BLE 1M)
o'	TM2	Keep the EUT works in continuously transmitting mode (BLE 2M)





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## 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: Horizontal: 4.46dB; Vertical: 5.04dB; 6G-18GHz: Horizontal: 4.46dB; Vertical: 5.04dB
Radiated emissions (Below 30MHz)	3.53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 4.46dB; Vertical: 5.04dB
The measurement uncertainty and decision risk e	valuated according to AB/WI-RF-F-032.

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	otek And Jek	lootek P Ar
Conducted Emission at AC power line	Alborek Anbourek	anbo'N
Occupied Bandwidth	Mode1,2	An Prek
Maximum Conducted Output Power	Mode1,2	Pupotek
Power Spectral Density	Mode1,2	ek P Anbot
Emissions in non-restricted frequency bands	Mode1,2	potek P An'
Band edge emissions (Radiated)	Mode1,2	anbot P
Emissions in frequency bands (below 1GHz)	Mode1,2	VupBiek
Emissions in frequency bands (above 1GHz)	Mode1,2	Photek
Note: P: Pass N: N/A, not applicable	Anbotek Anbot	otek Anbote

Shenzhen Anbotek Compliance Laboratory Limited







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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				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2023-10-12	2024-10-11
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2023-10-12	2024-10-11
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	tek /Anbotek	ek apotek

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density

Emissions in non-restricted frequency bands

	105/	201 - 1-1-11 - 10 - 111 - 11	-01	12/1		- AV
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1Anh	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2023-10-16	2024-10-15
e⊬2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
00'3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
Ar4 <sup>ote</sup>	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5 <sup>nb</sup>	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



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	edge emissions (Ra sions in frequency ba		Aupotek	Anborek	Aupotek	Anborek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 00	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2023-10-12	2024-10-11
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
nbole 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Anbotek	Aupolek
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2023-05-26	2024-05-25
<sup>16</sup> 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emiss	sions in frequency ba	ands (below 1GHz)	Anbore	Aurabotek	Anboiek	Anbo
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
. 2	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 Ceramic Antenna which permanently attached, and the best case gain of the antenna is 0.48dBi. It complies with the standard requirement.





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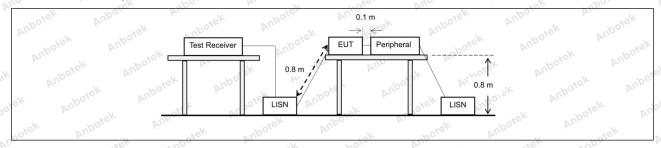
# 3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the result back onto the AC power line on are 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 tha ny frequency or frequencie t exceed the limits in the f	nnected to the at is conducted es, within the following table, as			
shotek Anbore	Frequency of emission (MHz)	Conducted limit (dBµV)				
Ans sek społek	Anbore Anbore	Quasi-peak	Average			
Anbor Arr	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5 tek nbote Am	56 Borel An	46			
Ant both	5-30 And State of Sta	60	50 reh			
k Wupoug Wu.	*Decreases with the logarithm of the frequency.					
Test Method:	ANSI C63.10-2020 section 6.2	Projek Auporen	Ans			
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un					

# 3.1. EUT Operation

Operating Envi	onment:	Anbo	boiek .	Anboie	Andrek	Anboick	Anbo.
Test mode:	1: TX mode modulation		EUT in continu	uously transr	mitting mode wi	th GFSK	y Aupo

#### 3.2. Test Setup



#### 3.3. Test Data

Not applicable, EUT is powered by DC power supply.





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# 4. Occupied Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
Anbotek	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-6 dB down amplitude". If a marker is below this "-6 dB down amplitude" value, then it shall be as close as possible to this value.
	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 Envir	onment:	And	ik anbo	iek Vup	.e.k	abotek.	Anbore	V
Aupor Au	1: TX mode(BL 1M)	E 1M): Keep	the EUT w	orks in cor	ntinuously	transmitting	g mode (E	BLE
Test mode:	2: TX mode(BL 2M)	.Е 2M): Кеер	the EUT w	orks in cor	ntinuously	transmitting	g mode (E	BLE

# 4.2. Test Setup

100	NO. P		+0,, · · · · · · · · · · · · · · · · · ·	0	-VL	~0,	A
MORE			- 1				S. C. K.
0		FUT		Spectrum Analyzer	r		VUpo.
-iek				opcourant/ maryzon			h.
Upo.			- 1				hose
100	7,0,	F 1	. (2.17	~#3.		740	VUr

## 4.3. Test Data

Temperature:	26.3 °C	Humidity:	45 %	Atmospheric F	Pressure: 101 kPa









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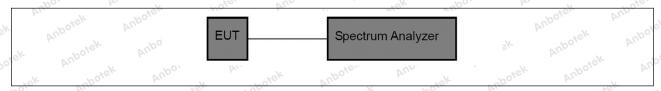
# 5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek 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:	Ar. abotek	Anbote	Aug	Anbotek	Aupo,	
Test mode:	1M)	Anbo	- NO	works in cont	bro.	ek anbo	ien. Vi

#### 5.2. Test Setup



#### 5.3. Test Data

Temperature: 26.3 °C	Humidity: 45 %	Atmospheric Pressure:	101 kPa
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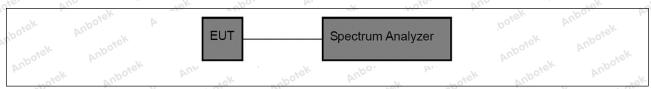
## 6. Power Spectral Density

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 Envir	onment:	Anbotek	Anbo	hotek	Aupore	r Purposek
Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE 2M)	DI.			- N	otek Anbore

## 6.2. Test Setup



#### 6.3. Test Data

Temperature:	26.3 °C	Humidity:	45 %	Atmospheric Pressure:	101 kPa
30.	- No	.VO.	Par.	740.	100





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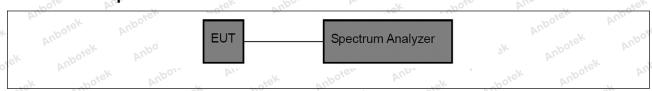
# 7. Emissions in non-restricted frequency bands

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

N.	Operating Envir	onment:	abotek	Anboron	Ans	anborek	Vupo,	
0,0	Test mode:	1M) 3001e1	Anbo	. W.		tinuously tran	*6K 200	iek. Vi

#### 7.2. Test Setup



#### 7.3. Test Data

Temperature:	26.3 °C	Humidity	45 %	Atmospheric Pressure:	101 kPa	
AV	- V	120	5 P		V 1201	-





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# 8. Band edge emissions (Radiated)

NO N	~0, Di.	7610	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Test Requirement:	restricted bands, as defined	In addition, radiated emissions in § 15.205(a), must also comp	ly with the
Vupo, Vupo,	Frequency (MHz)	ecified in § 15.209(a)(see § 15.2 Field strength	Measurement
	schen And	(microvolts/meter)	distance (meters)
	0.009-0.490	2400/F(kHz)	300 mboto
poter Anbo	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30° kek	30 And
	30-88	100 **	3,ek note
	88-216	150 **	3
	216-960	200 **	3 boten And
Aupor Ar.	Above 960	500	3 rek and
	intentional radiators operatifrequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-p 90 kHz, 110–490 kHz and a	ragraph (g), fundamental emissing under this section shall not be z, 76-88 MHz, 174-216 MHz or these frequency bands is permitting 15.231 and 15.241.  The tighter limit applies at the bein the above table are based on beak detector except for the frequency 1000 MHz. Radiated emisted on measurements employing	e located in the 470-806 MHz. sed under other oand edges. measurements uency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		sk Aupotek
Procedure:	ANSI C63.10-2020 section	6.10.5.2	or Am

# 8.1. EUT Operation

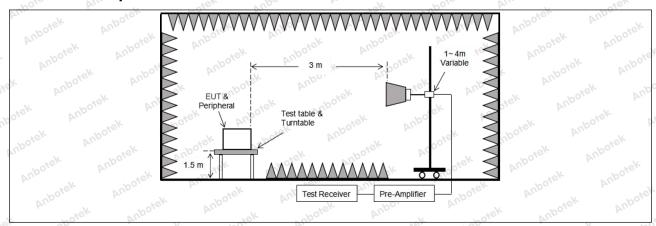
oie	Operating Envir	onment:	Anbotek	Anbe	F	notek A	upore Ar	siek vi
o'n,	Test mode:	1: TX mode(BLE 1M)	1M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE
9	inbounde.	2: TX mode(BLE 2M)	2M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE





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#### 8.2. Test Setup



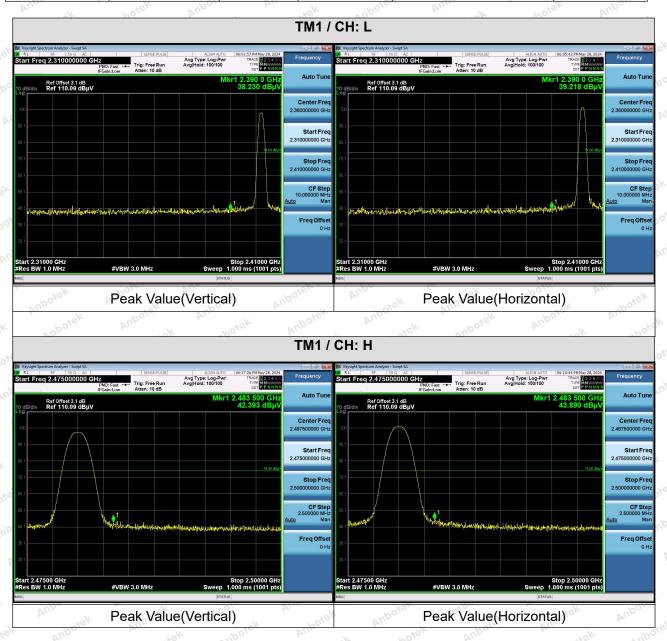




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#### 8.3. Test Data

Temperature: 26.3 °C Humidity: 45 % Atmospheric Pressure: 101 kPa



#### Remark

- 1. During the test, pre-scan all modes, the report only record the worse case mode.
- 2. 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 defin radiated emission limits s	pecified in § 15.209(a)(see § 15	
ek Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300 Mport
ofer Ande	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30° Ack	30
	30-88	100 **	3 ok noon
anboren Anbe	88-216	150 **	AT 3
	216-960	200 **	3 pore An
	Above 960	500 Solek Andrew	3
Test Limit: Arbotek Ar	intentional radiators opera frequency bands 54-72 M	paragraph (g), fundamental emis ating under this section shall not IHz, 76-88 MHz, 174-216 MHz o	be located in the or 470-806 MHz.
Test Limit; otek Anbotek	intentional radiators operafrequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table abo The emission limits show employing a CISPR quas 90 kHz, 110–490 kHz and	ating under this section shall not IHz, 76-88 MHz, 174-216 MHz on these frequency bands is perm	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9-nission limits in
Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek Anborek	intentional radiators operafrequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table about the emission limits show employing a CISPR quas 90 kHz, 110–490 kHz and these three bands are bar	ating under this section shall not IHz, 76-88 MHz, 174-216 MHz on these frequency bands is perm §§ 15.231 and 15.241.  IVE, the tighter limit applies at the in the above table are based of i-peak detector except for the fred above 1000 MHz. Radiated emsed on measurements employing in 6.6.4	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9-nission limits in

# 9.1. EUT Operation

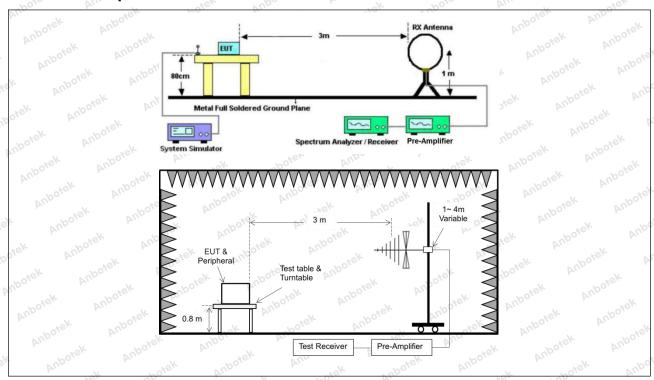
oie	Operating Envir	onment:	Anbotek	Anbe	F	notek A	upore Ar	siek vi
o'n,	Test mode:	1: TX mode(BLE 1M)	1M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE
9	inbounde.	2: TX mode(BLE 2M)	2M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE





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#### 9.2. Test Setup





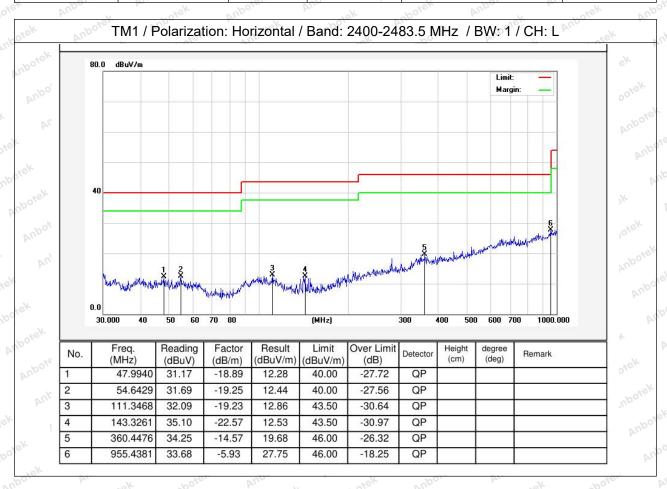


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#### 9.3. Test Data

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

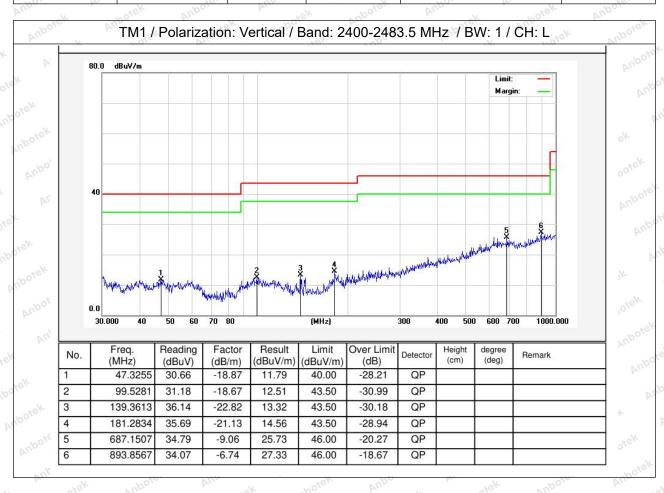
Temperature:	26.3 °C	AUL	Humidity:	45%	" pot	Atmospheric Pressure:	101 kPa
	- 1 1/2			7.0	1000		V





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Temperature: 26.3 °C Humidity: 45 % 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 ba	
k Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
ore Am	0.009-0.490	2400/F(kHz)	300
aborek Anbo	0.490-1.705	24000/F(kHz)	30
YII. Sek Spoter	1.705-30.0	30	30
Anbor Ar Stek	30-88	100 **	3,ek nbote
shorek Anbo	88-216	150 **	3
Aur apole	216-960	200 **	3 botel And
k Aupora Air	Above 960	500 And	3 30/
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek tek 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 section with the section of the emission limits of the emission limits shown employing a CISPR quasi-page 110–490 kHz and a section of the emission limits of the emission limits shown employing a CISPR quasi-page 110–490 kHz and a section of the emission of the emission limits of the emission of the emissio	ing under this section shall not be 1z, 76-88 MHz, 174-216 MHz or 1 these frequency bands is permitted \$ 15.231 and 15.241.  It is, 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  and edges. measurements uency bands 9– esion limits in
Potek Pupo, b	Pir	k hotek hupo,	b.,
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		sk Aupo
Procedure:	ANSI C63.10-2020 section	6.6.4	or Air.

# 10.1. EUT Operation

Operating Env	ironment:	Aupolek	Anbo	-hotel	k Anbore	VIII	atek no
Toot mode:	1: TX mode(BLE 1M)	1M): Keep	the EUT w	orks in con	tinuously tra	nsmitting m	ode (BLE
Test mode:	2: TX mode(BLE 2M)	2M): Keep	the EUT w	orks in con	tinuously tra	nsmitting m	ode (BLE

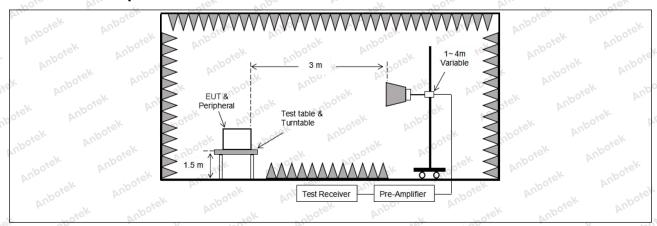


Hotline



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## 10.2. Test Setup







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## 10.3. Test Data

Temperature:	26.3 °C	Humidity:	45 % Mbon	Atmospheric Pressure:	101 kPa	
Tomperature.	P20.0 0	i fulfillalty.	TO 70 p.	7 timosphono i ressure.	TOTAL	6

Aug	hotek Anb		rick anbor	And	ok 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	28.94	15.27	44.21	74.00	-29.79	Vertical
7206.00	28.92	18.09	47.01	74.00	-26.99	Vertical
9608.00	29.93	23.76	53.69	74.00	-20.31	Vertical
12010.00	Aupoter* A		abořek Anb	74.00	otek Anbote	Vertical
14412.00	"Upo*sk	Aupo	hoisk b	74.00	otek onk	Vertical
4804.00	28.56	15.27	43.83	74.00	-30.17	Horizontal
7206.00	29.62	18.09	47.71	74.00	-26.29	Horizontal
9608.00	28.32	23.76	52.08	74.00	-21.92	Horizontal
12010.00	otek * Aupo	-V	ick Wipote	74.00	s abotek	Horizontal
14412.00	woick*	boyer Vier	tek nb	74.00	-k hote	Horizontal
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	17.21	15.27	32.48	54.00	-21.52	Vertical
7206.00	17.21	18.09	36.06	54.00	-17.94	Vertical
9608.00	19.40	23.76	43.16	54.00	-10.84	Vertical
12010.00	**	abotek An	DOLD IN THE WALL	54.00	Pups	Vertical
14412.00	Aupo,	abotek .	Vupose, ve	54.00	ipotek Aribo	Vertical
4804.00	16.89	15.27	32.16	54.00	-21.84	Horizontal
7206.00	18.65	18.09	36.74	54.00	-17.26	Horizontal
9608.00	17.83	23.76	41.59	54.00	-12.41	Horizontal
12010.00	***	otek Anbot	K 1-0,	54.00	Augo	Horizontal
14412.00	1/2 × ×	hotek anh	ofer And	54.00	ek Auport	Horizontal





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				hotek	Anbor	
			TM1 / CH: M			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	28.49	15.42	43.91	74.00	-30.09	Vertical
7320.00	28.89	18.02	46.91	74.00	-27.09	Vertical
9760.00	29.43	23.80	53.23	74.00	-20.77	Vertical
12200.00	ek * nbotek	Anbo.	hotek	74.00	And	Vertical
14640.00	* * *	tek Aupote	Pur Vie	74.00	Aupo	Vertical
4880.00	28.37	15.42	43.79	74.00	-30.21	Horizontal
7320.00	29.49	18.02	47.51	74.00	-26.49	Horizontal
9760.00	28.04	23.80	51.84	74.00	-22.16	Horizontal
12200.00	* otek	Anboie	And	74.00	YUPO, OK	Horizontal
14640.00	A.*	nbotek	Aupo	74.00	Anbois	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	17.30	15.42	32.72	54.00	-21.28	Vertical
7320.00	17.83	18.02	35.85	54.00	-18.15	Vertical
9760.00	19.25	23.80	43.05	54.00	-10.95	Vertical
12200.00	k ¥upor	N Diek	anbotek	54.00	aborek	Vertical
14640.00	otek * Anbots	And	sk spojek	54.00	ki, pojek	Vertical
4880.00	17.00	15.42	32.42	54.00	-21.58	Horizontal
7320.00	19.00	18.02	37.02	54.00	-16.98	Horizontal
9760.00	18.13	23.80	41.93	54.00	12.07 And	Horizontal
12200.00	Anbotek	Anb.	abotek	54.00	wotek a	Horizontal
14640.00	* botek	Anbo	A. Stek	54.00	And	Horizontal





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ter Aug	rek	vupo,	Dr.	-boie.	AUD	riek.
		•	TM1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	28.62	15.58	44.20	74.00	-29.80	Vertical
7440.00	29.05	17.93	46.98	74.00	-27.02	Vertical
9920.00	30.13	23.83	53.96	74.00	-20.04	Vertical
12400.00	* work	Aupoter	YUP.	74.00	Aupo,	Vertical
14880.00	* And	rek Spotel	Aupo.	74.00	Aupore.	Vertical
4960.00	28.51	15.58	44.09	74.00	-29.91	Horizontal
7440.00	29.70	17.93	47.63	74.00	-26.37	Horizontal
9920.00	28.42	23.83	52.25	74.00	-21.75	Horizontal
12400.00	Anb * *ek	abotek	Aupo, K	74.00	Anbote, Ant	Horizontal
14880.00	W.*po,	hotek hotek	Anbores	74.00	anbotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	18.42	15.58	34.00	54.00	-20.00	Vertical
7440.00	19.10	17.93	37.03	54.00	-16.97	Vertical
9920.00	19.90	23.83	43.73	54.00	-10.27	Vertical
12400.00	k * hotek	Anbo	hotek	54.00	Aug	Vertical
14880.00	* * *	sk Aupote	Aus	54.00	Aupo	Vertical
4960.00	18.18	15.58	33.76	54.00	-20.24	Horizontal
7440.00	19.80	17.93	ote <sup>8</sup> 37.73 M	54.00	-16.27	Horizontal
9920.00	18.28	23.83	42.11	54.00	11.89	Horizontal
12400.00	* hotek	Aupore	Aur	54.00	100. br	Horizontal
14880 00	Aux *	hotek	Anbo	54 00	Aupore A	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 -----

