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# FCC Test Report

**Magic Brands LLC Applicant** 

7845 Westside Dr. APT 408, San Diego, CA Address

92108

The Magic Link **Product Name** 

: Mar. 30, 2024 Report Date









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# TEST REPORT

Applicant : Magic Brands LLC

Manufacturer : Magic Brands LLC

Product Name : The Magic Link

Test Model No. : The Magic Link Apple CarPlay (MB-MAGIC-LINK)

Reference Model No. : The Magic Link Android Auto (MB-MAGIC-LINK-ANDROID)

Trade Mark : Magic Brands LLC

Rating(s) : Input: 5V--1A

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:	Mar. 14, 2024
Date of Test:	Mar. 14, 2024 to Mar. 26, 2024
Prepared By:	Nian xiu Chen
Anbotek Anbotek Anbotek	(Nianxiu Chen)
	Idward pan
Approved & Authorized Signer:	Anbore And Anbo
	(Edward Pan)







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# **Revision History**

	Report Version	Description	Issued Date
Г	Anbore R00 potek An	Original Issue.	Mar. 30, 2024
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#### 1. General Information

# 1.1. Client Information

70		No N
Applicant	••	Magic Brands LLC
Address	:	7845 Westside Dr. APT 408, San Diego, CA 92108
Manufacturer	:	Magic Brands LLC
Address		7845 Westside Dr. APT 408, San Diego, CA 92108

# 1.2. Description of Device (EUT)

Pole - Ville		tek was the state of the state
Product Name	:	The Magic Link
Test Model No.	:	The Magic Link Apple CarPlay (MB-MAGIC-LINK)
Reference Model No.	:	The Magic Link Android Auto (MB-MAGIC-LINK-ANDROID) (Note: All samples are the same except the model number, appearance color and software, so we prepare "The Magic Link Apple CarPlay (MB-MAGIC-LINK)" for test only.)
Trade Mark	:	Magic Brands LLC
Test Power Supply	:	DC 5V hotek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A Anbotek Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	40 Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Modulation Type	:	GFSK Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	FPC Antenna
Antenna Gain(Peak)	:	1,41 dBi Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
WA		

#### 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.

# 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Hyundai Mobis	HYUNDAI MOBIS CO.,Ltd	APB12F0CG	lek Aupoter Aupo









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#### 1.4. Operation channel list

Operation Band:

Jana.	V		01.	200		V.
Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
2402	10 000	2422	20	2442, botte	30	2462
2404	rek 11	otek 2424 Anbo	21	2444 Anb	31 And	2464
2406	12	2426	22	2446	nb <sup>01</sup> 32	2466
2408	13	2428	Anbore 23	2448	33	2468
2410	And 14 tek	2430	24	2450	34	2470
2412	15	2432	25	2452	350bote	2472
2414 nbore	16	ote* 2434 Moot	26 Anbo	2454	rek 36 Anbe	2474
2416 M	17	2436	o <sup>tek</sup> 27 An	2456	botel 37 N	2476
2418	18	2438	28	2458	38	2478
2420	Anboto	2440	29	2460	39	2480
	Frequency (MHz)  2402  2404  2406  2408  2410  2412  2414  2416  2418	Frequency (MHz)         Channel           2402         10           2404         11           2406         12           2408         13           2410         14           2412         15           2414         16           2416         17           2418         18	Frequency (MHz)         Channel         Frequency (MHz)           2402         10         2422           2404         11         2424           2406         12         2426           2408         13         2428           2410         14         2430           2412         15         2432           2414         16         2434           2416         17         2436           2418         18         2438	Frequency (MHz)         Channel         Frequency (MHz)         Channel           2402         10         2422         20           2404         11         2424         21           2406         12         2426         22           2408         13         2428         23           2410         14         2430         24           2412         15         2432         25           2414         16         2434         26           2416         17         2436         27           2418         18         2438         28	Frequency (MHz)         Channel         Frequency (MHz)         Channel         Frequency (MHz)           2402         10         2422         20         2442           2404         11         2424         21         2444           2406         12         2426         22         2446           2408         13         2428         23         2448           2410         14         2430         24         2450           2412         15         2432         25         2452           2414         16         2434         26         2454           2416         17         2436         27         2456           2418         18         2438         28         2458	Frequency (MHz)         Channel         Frequency (MHz)         Channel         Frequency (MHz)         Channel           2402         10         2422         20         2442         30           2404         11         2424         21         2444         31           2406         12         2426         22         2446         32           2408         13         2428         23         2448         33           2410         14         2430         24         2450         34           2412         15         2432         25         2452         35           2414         16         2434         26         2454         36           2416         17         2436         27         2456         37           2418         18         2438         28         2458         38

# 1.5. Description of Test Modes

Pretest Modes		les	Descriptions
hotek	TM1	Aupo,	Keep the EUT works in continuously transmitting mode (BLE 1M)
hotek	TM2	Aupo	Keep the EUT works in continuously transmitting mode (BLE 2M)

# 1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB Anboret Anboret Anboret
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Conducted Spurious Emission	1.24dB Anborek Anborek
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB

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

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









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#### 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	Anbotek / Anbotes	And Porek
Conducted Emission at AC power line	anbotek / Anbotek	N N
Occupied Bandwidth	Mode1,2	P P
Maximum Conducted Output Power	Mode1,2	P
Power Spectral Density	Mode1,2	'upo Pk
Emissions in non-restricted frequency bands	Mode1,2	Anb Potek
Band edge emissions (Radiated)	Mode1,2	P
Emissions in frequency bands (below 1GHz)	Mode1,2	PART
Emissions in frequency bands (above 1GHz)	Mode1,2	P An
Note: P: Pass N: N/A, not applicable	Anbotek Anbotek A	Anbotek

#### 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.





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#### 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.
- 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 Pupotek

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density
Emissions in non-restricted frequency bands

Emis	sions in non-restricte	d frequency bands		70°	b.,	oie,
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 <sub>Anl</sub>	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A N/O	2023-10-16	2024-10-15
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
An4ote	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-10-12	2024-10-11
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

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400-003-0500



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	edge emissions (Ra sions in frequency ba		Aupotek	Anborek	Aupotek	Anborek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 00	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2023-10-12	2024-10-11
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
100 to 10	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Anbotek	Aupolek
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
e <sup>k</sup> 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emiss	Emissions in frequency bands (below 1GHz)							
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date		
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11		
. 2	Pre-amplifier	SONOMA	310N	186860	2023-10-12	2024-10-11		
34	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22		
Anistel	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11		
5,00	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	y Aupon	k Anbotek		



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# 2. Antenna requirement

Test Requirement:

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

#### 2.1. Conclusion

The antenna is a **FPC Antenna** which permanently attached, and the best case gain of the antenna is **1.41 dBi** . It complies with the standard requirement.





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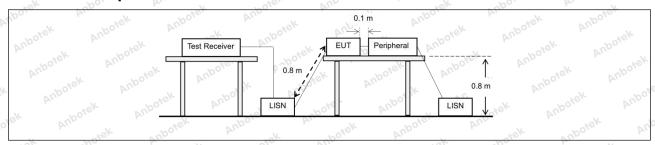
# 3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Exce section, for an intentional radiator public utility (AC) power line, the back onto the AC power line on a band 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms (LISN).	that is designed to be cor radio frequency voltage tha ny frequency or frequencie ot exceed the limits in the f	nnected to the at is conducted es, within the following table, as	
botek Anbor	Frequency of emission (MHz)	Conducted limit (dBµV)		
rue sek abotek	Anbo k hotek Anbort	Quasi-peak	Average	
Aupor Air	0.15-0.5	66 to 56*	56 to 46*	
Test Limit:	0.5-5 And Andrews	56 NOTE AT	46	
Ans abote	5-30 And 5	60	50 And	
k Aupora Au	*Decreases with the logarithm of	the frequency.		
Test Method:	ANSI C63.10-2020 section 6.2	Potek Anbore	And	
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from ur			

# 3.1. EUT Operation

	Operating Envir	onment:	Anborr	bojek	Aupole.	Aug ofek	Anbotek	Vupo.
3,4	Test mode:	1 aboiek	Anboro	VII. Potek	Anbotek	Anbo	hotek	Anbo

# 3.2. Test Setup



#### 3.3. Test Data

Not applicable for equipment operated with DC power supply.



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# 4. Occupied Bandwidth

upo, A.	- Poppe, My The Thomas Andrews
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
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW ≥ [3 × RBW]. c) Detector = peak.
Procedure:	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 Environment:		AU Ofe	k anbot	ek Aup	i ek	botek	Anbore	· · · · · · · · · · · · · · · · · · ·
Aupor Au	1: TX mode(BL 1M)	E 1M): Keep	the EUT w	orks in con	tinuously	transmitting	g mode (	BLE
Test mode:	2: TX mode(BL 2M)	E 2M): Keep	the EUT w	orks in con	tinuously	transmittino	g mode (	BLE

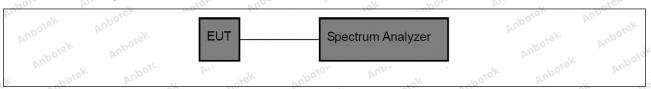






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#### 4.2. Test Setup



#### 4.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
. 2/1.1. 2 . 2 . 2 . 2	=0.0		1.0 1/20	, m., 20 b., 21, 10 . V2, 22 2 2.	10.111.25





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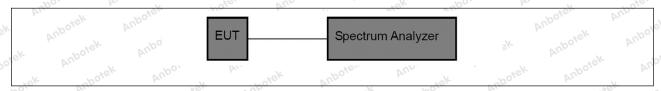
# 5. Maximum Conducted Output Power

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

# 5.1. EUT Operation

×	Operating Envir	onment:	abořek.	Aupore	Ans	Aupotek	Aupo	12
0,0	Test mode:	-1M) Note	Anbo	"K 20,	works in conti	P <sub>2</sub> U <sub>2</sub>	ek anbor	Sk. Vi

#### 5.2. Test Setup



#### 5.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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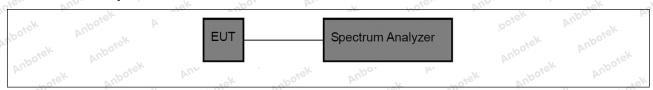
# 6. Power Spectral Density

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	Anbu	nbotek	Anbore	r Potek
Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE 2M)	D.I.			ok 10	otek Anbora

# 6.2. Test Setup



#### 6.3. Test Data

Trainfact, 120,0 0 Trainfact, 140 70 Trainfactorial Control of the	Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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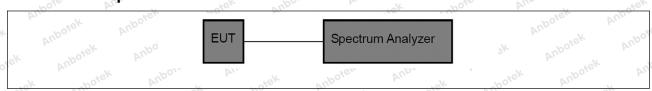
# 7. Emissions in non-restricted frequency bands

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

N <sub>e</sub>	Operating Envir	onment:	P. Potek	Anboro	Yun Vick	Aupotek.	Aupo	-200
,c	Test mode:	1: TX mode( 1M) 2: TX mode( 2M)	Anbo	. h.	works in cont	Kur	ek nboi	iek. V.

#### 7.2. Test Setup



#### 7.3. Test Data

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





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# 8. Band edge emissions (Radiated)

Aupote, Aug	radiated emission limits s	pecified in § 15.209(a)(see § 15	.205(c)).
ek Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300 mbore
ofer And	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30°	30
	30-88	100 **	3,ek anbor
anbotek Anbo	88-216	150 **	ATOS
	216-960	200 **	3 bote, An
	Above 960	500 hotek Ando	3
otek Anbotek	intentional radiators oper frequency bands 54-72 M	paragraph (g), fundamental emis ating under this section shall not MHz, 76-88 MHz, 174-216 MHz o	be located in the or 470-806 MHz.
est Limit; ore Andorek Anborek	intentional radiators oper frequency 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 1Hz, 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	intentional radiators open frequency 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 these three bands are ba	ating under this section shall not the section in the above table are based of the section shall not shall not section shall not section shall not s	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9-nission limits in

# 8.1. EUT Operation

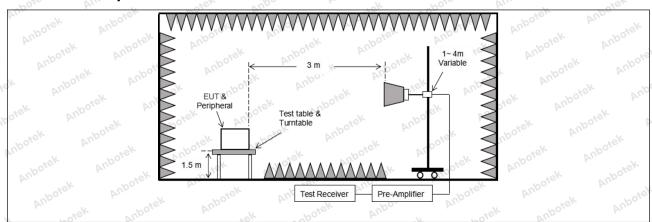
oie	Operating Envir	onment:	Anbotek	Anbe	F	notek A	upore Ar	siek vi
o'n,	Test mode:	1: TX mode(BLE 1M)	1M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE
9	inbounde.	2: TX mode(BLE 2M)	2M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE





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#### 8.2. Test Setup



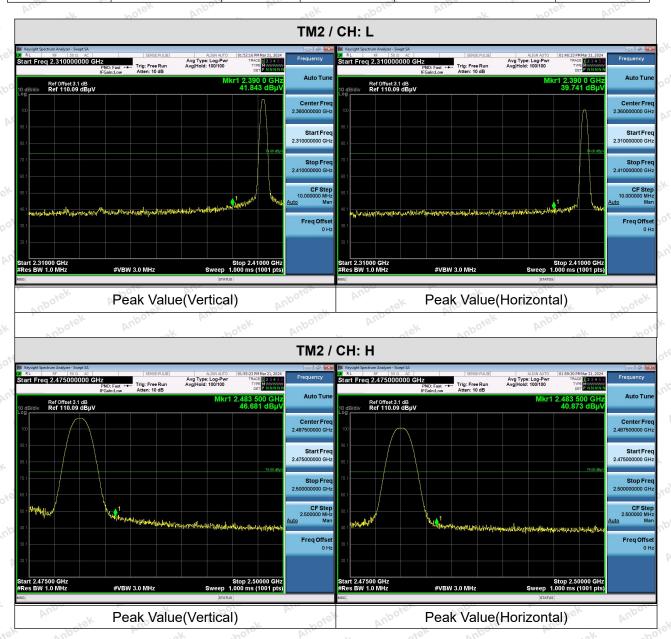




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#### 8.3. Test Data

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



#### Note:

- 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.







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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	.205(c)).
ek Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	64 300 Mporto
Joseph Ande	0.490-1.705	24000/F(kHz)	30 Lotel
	1.705-30.0	30	30
	30-88	100 **	3,ek Anbo
	88-216	150 **	AT 3
	216-960	200 **	3 bote, An
	Above 960	500 sorter ambou	3
Test Limit:	intentional radiators opera frequency bands 54-72 M	paragraph (g), fundamental emis ating under this section shall not Hz, 76-88 MHz, 174-216 MHz o	be located in the or 470-806 MHz.
Test Limit:  Anbotek  Anbotek	intentional radiators opera frequency 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	paragraph (g), fundamental emis ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is perm	be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9-nission limits in
Test Method:	intentional radiators opera frequency 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 base	paragraph (g), fundamental emistating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is perming \$\frac{8}{3}\$ 15.231 and 15.241.  If the tighter limit applies at the in the above table are based of the interpretation in the above table are based of the free above 1000 MHz. Radiated emisted on measurements employing 16.6.4	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

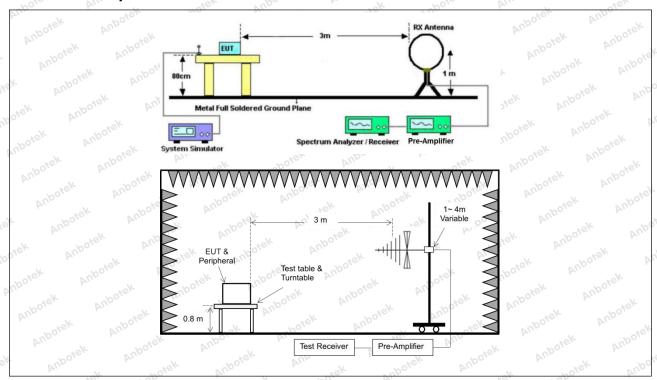
ole	Operating Envir	onment:	anbotek	Anbo	ak r	botek	Anbore	V. V.	stek	201
i U	Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE 2M)	VUD	, , , , , , , , , , , , , , , , , , ,			Dir.	otek	Aupoten	1





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#### 9.2. Test Setup





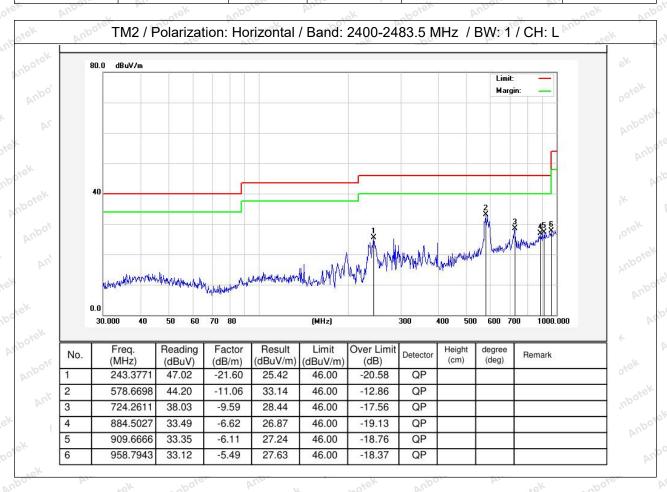


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#### 9.3. Test Data

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

Temperature:	23.5 °C	Aupo	Humidity:	55 %	Atmo	spheric Pres	sure:	101 kPa

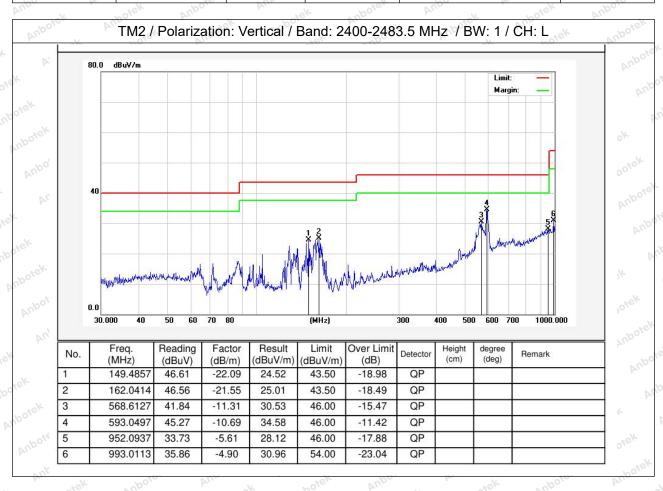






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Temperature:	23.5 °C	Humidity:	55 %	Atmospheric Pressure:	101 kPa
. 5 1100 5 1 5 1 5 1 5 1				, m	



Note:Only record the worst data in the report.







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

PUDO IL	porc All	- Supr	Jek Jeore			
Test Requirement:		ons which fall in the restricted back comply with the radiated emission 5(c)) `				
k Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
nbotek Ande	0.490-1.705	24000/F(kHz)	30 Lotek			
	1.705-30.0	30°	30			
	30-88	100 **	3,ek nbore			
abotek Anbe	88-216	150 **	3			
	216-960	200 **	3 pores			
	Above 960	500 Morell Ambo	3 Net M			
** 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 oth 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 measurement employing a CISPR quasi-peak detector except for the frequency bands 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 Aupotek			
Procedure:	ANSI C63.10-2020 section	6.6.4 And above And	oots. Aus			

# 10.1. EUT Operation

o'l	Operating Envir	onment:	anbotek	Aupo	K	notek An	pore An	ojek on
0,0	Test mode:	1: TX mode(BLE 1M)	And			Vupo.	pi, otek	Vupote.
	Anbore House. Anbor	2: TX mode(BLE 2M)	2M): Keep	the EUT	works in	continuously	transmitting	mode (BLE

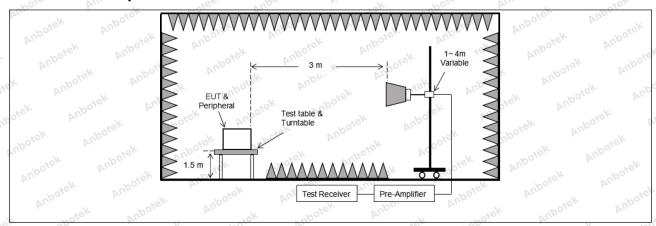


Hotline



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# 10.2. Test Setup







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# 10.3. Test Data

Temperature:	23.5 °C	Humidity:	55 %	Atmospheric Pressure:	101 kPa	
		// · · · · · · · · · · · · · · · · · ·				

Aug	Potek Vup.	, K	rek noots	And	ok hotek	Anbo.
		·	TM2 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	28.10	15.27	43.37	74.00	-30.63	Vertical
7206.00	28.23	18.09	46.32	74.00	-27.68	Vertical
9608.00	28.96	23.76	52.72	74.00	-21.28	Vertical
12010.00	Vupoje,* Vi	iek.	abořek Anb	74.00	otek Anbott	Vertical
14412.00	"Upo*ek	Aupo, ok	hotek P	74.00	rick out	Vertical
4804.00	27.80	15.27	43.07	74.00	-30.93	Horizontal
7206.00	28.62	18.09	46.71	74.00	-27.29	Horizontal
9608.00	27.96	23.76	51.72	74.00	-22.28	Horizontal
12010.00	otek * Vupo	-V	ick Wipole,	74.00	r upotek	Horizontal
14412.00	hotek* An	DOLO VILLE	iek abo	74.00	ok hore	Horizontal
Average value: Frequency	Reading	Factor	Result	Limit	Over Limit	
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	polarization
4804.00	16.37	15.27	31.64	54.00	-22.36	Vertical
7206.00	17.28	18.09	35.37	54.00	-18.63	Vertical
9608.00	18.43	23.76	42.19	54.00	-11.81	Vertical
12010.00	NO 10 PK	Aupoter Au	ek	54.00	-/- by	Vertical
14412.00	And *	abotek	Aupo. K	54.00	pore. And	Vertical
4804.00	16.13	15.27	31.40	54.00	-22.60	Horizontal
7206.00	17.65	18.09	35.74	54.00	-18.26	Horizontal
9608.00	17.47 100te	23.76	41.23	54.00	-12.77	Horizontal
12010.00	tek *	otek Anbor	× ×0,	54.00	Vun Fek	Horizontal
14412.00	(po. *	hotek Ant	ors. And	54.00	ek Vupo,	Horizontal





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			TM2 / CH: M			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	27.65	15.42	43.07	74.00	-30.93	Vertical
7320.00	28.20	18.02	46.22	74.00	-27.78	Vertical
9760.00	28.46	23.80	52.26	74.00	-21.74	Vertical
12200.00	ek * spotek	Anborr	, worek	74.00	And	Vertical
14640.00	*	ick Aupole	Pup.	74.00	Vupo,	Vertical
4880.00	27.61	15.42	43.03	74.00	-30.97	Horizontal
7320.00	28.49	18.02	46.51	74.00	-27.49	Horizontal
9760.00	27.68	23.80	51.48	74.00	-22.52	Horizontal
12200.00	* otek	Aupole.	Aug	74.00	YUPO'S BU	Horizontal
14640.00	Ant siek	nbotek	Aupo	74.00	Anbore	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	16.46	15.42	31.88	54.00	-22.12	Vertical
7320.00	17.14	18.02	35.16	54.00	-18.84	Vertical
9760.00	18.28	23.80	42.08	54.00	-11.92	Vertical
12200.00	k *upor	N. Siek	anbotek	54.00	boiek	Vertical
14640.00	otek * Anboti	Anb	ek Spojek	54.00	Di.	Vertical
4880.00	16.24	15.42	31.66	54.00	-22.34	Horizontal
7320.00	18.00	18.02	36.02	54.00	-17.98	Horizontal
9760.00	17.77	23.80	41.57	54.00	-12.43	Horizontal
12200.00	anb*otek	Aupo	abotek	54.00	notek a	Horizontal
14640.00	* "otek	Anbor	All stek	54.00	VUD.	Horizontal





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		•	TM2 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.78	15.58	43.36	74.00	-30.64	Vertical
7440.00	28.36	17.93	46.29	74.00	-27.71	Vertical
9920.00	29.16	23.83	52.99	74.00	-21.01	Vertical
12400.00	* otek	anborer	Anbo	74.00	Aupor	Vertical
14880.00	* And	iek "potel	, Vupo,	74.00	Aupote	Vertical
4960.00	27.75	15.58	43.33	74.00	-30.67	Horizontal
7440.00	28.70	17.93	46.63	74.00	-27.37	Horizontal
9920.00	28.06	23.83	51.89	74.00	-22.11	Horizontal
12400.00	Vup.*	abotek	Aupor P	74.00	rupoter, Vul	Horizontal
14880.00	Alaport ok	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	17.58	15.58	33.16	54.00	-20.84	Vertical
7440.00	18.41	17.93	36.34	54.00	-17.66	Vertical
9920.00	18.93	23.83	42.76	54.00	-11.24	Vertical
12400.00	* sporek	Aupor	hotek	54.00	Vung.	Vertical
14880.00	* * *	k Aupore	Aug	54.00	Vupo.	Vertical
4960.00	17.42	15.58	33.00	54.00	-21.00	Horizontal
7440.00	18.80 And	17.93	36.73 M	54.00	-17.27	Horizontal
9920.00	17.92	23.83	41.75	54.00	-12.25	Horizontal
12400.00	* tek	Anbores	Aur	54.00	100 V.	Horizontal
14880 00	An*	bolek	Anbe.	54 00	Vupotes V	Horizontal

#### Remark:

- 1. Result =Reading + Factor
- 2. "\*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.
- 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\_BT&WLAN

#### 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 -----

