

FCC Test Report

DONGGUAN TOGRAN ELECTRONICS Applicant

TECHNOLOGY CO.,LTD.

No. 110, Shidan Mid Rd, Shijie Town, Dongguan **Address**

city, China

Product Name Wireless Dongle

Report Date Aug. 26, 2024

Anbotek Anbotek Shenzhen Anbotek Compliance Laboratory Limited

Anbolek









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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

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TEST REPORT

DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD. **Applicant**

Manufacturer DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD.

Product Name Wireless Dongle

Model No. TK50FG

Trade Mark N/A

Rating(s) Input: 5V= 20mA

47 CFR Part 15.247

Test Standard(s) ANSI C63.10-2020

KDB 558074 D01 15.247 Meas Guidance v05r02

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

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

Date of Receipt:	And Jul. 30, 2024
Date of Test:	Jul. 30, 2024 to Aug. 16, 2024
Prepared By:	Nian xiu Chen
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	Zolward pan
Approved & Authorized Signer:	h upole All ak polek And
Ann stak Anbolete Anbo	(Edward Pan)





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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

Revision History

And	otek Anbotek	Anbo.	Revision H	listory	k Aupolek	Aupotek	P
'GK	Report Version	1	Description	on	Issue	d Date	
Upoksk	R00	Vupotek	Original Issu	re. Vek	Aug. 20	6, 2024	botel
Vipolek	k Vupa	Aupolek	Aupor	Aupolisk Arm	Vupore,	Vun Upolek	Anb
Aupore	Vek Vpolek	Aupo,	ter Vup	Anbotek	Auporg	Aupolek	

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1. General Information

1.1. Client Information

D/1.	- 181 VD
Applicant	: DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD.
Address	: No. 110, Shidan Mid Rd, Shijie Town, Dongguan city, China
Manufacturer	: DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD.
Address	: No. 110, Shidan Mid Rd, Shijie Town, Dongguan city, China
Factory	: DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD.
Address	: No. 110, Shidan Mid Rd, Shijie Town, Dongguan city, China

1.2. Description of Device (EUT)

Ar.	100	AND YELL WOOD L. CK POLE
Product Name	:	Wireless Dongle
Model No.	:	TK50FG Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	MAN Augorek Augorek Augorek Augorek Augorek Augorek
Test Power Supply	:	DC 5V via PC
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	NA Aupotek Aupotek Aupotek Aupotek Aupote
RF Specification		
Operation Frequency	:	2403MHz to 2480MHz
Number of Channel	:	16 Anbotek Anbotek Anbotek Anbotek Anbotek
Modulation Type	:	GFSK Anbotek Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	PCB Antenna Andotek Andotek Andotek
Antenna Gain(Peak)	:	-2.81dBi* Anbotek Anbotek Anbotek
D		10 10 10 10 10 10 10 10 10 10 10 10 10 1

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.
	Acer Computer	acer	N19W3	2020AJ3862
Ö,	Acer Computer Adapter	Lite-On Technology Corporation	PA-1650-58	KP06503020

1.4. Operation channel list

Operation Band:

	. WO.	V-		710	714.	-0.1	- 40
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403	Anbore 5	2422	A19olek	2441	13 _{,nb} o ^y	2463 mbole
Anbor 2	2407	44.6 FEE.	2428	10 nbote	2445	14	otek 2466 Ant
Aup 3	2414	Yupolor	2436	ek 11 Ant	o ^{tek} 2453 Anb	15	2473
410010	2419	× 8 Mup.	2439	12 12	2459	16	2480

1.5. Description of Test Modes

7	Pretest Modes	Descriptions
	Anboren TM1 ovek	Keep the EUT in continuously transmitting mode (non-hopping).
	Anboren TM2	Keep the EUT in continuously transmitting mode (hopping).

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB Andore Andore Andore Andore
Occupied Bandwidth	925Hz potek Anbotek An
Conducted Output Power	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 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 / Anbotek	Auba rek
Conducted Emission at AC power line	Mode1 Anbotek	P _{Upo}
Occupied Bandwidth	Mode1	A Vupe
Maximum Conducted Output Power	Mode1	potek P A
Channel Separation	Mode2	Anbotek
Number of Hopping Frequencies	Mode2	An Brek
Dwell Time And	Mode2	Panbolek
Emissions in non-restricted frequency bands	Mode1,2	ek P Anb
Band edge emissions (Radiated)	Mode1	hotek P
Emissions in frequency bands (below 1GHz)	Mode1	No Br
Emissions in frequency bands (above 1GHz)	Mode1	And Potek
Note: P: Pass N: N/A, not applicable	Vupotek Vupotek	Anbore

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.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, 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.



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1.10. Test Equipment List

Cond	ucted Emission at A	C power line	Aupoler	Aug. Olek	Aupolek	Aupo,
Item	Equipment • • • •	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
holek	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
,200h	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
3	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Ann	Aupliek
4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11

Dwell Time

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Emissions in non-restricted frequency bands

Occupied Bandwidth

Maximum Conducted Output Power

Channel Separation

Number of Hopping Frequencies

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 Anbore	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A Anbo	2023-10-16	2024-10-15
2,1	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
4	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
100 ter	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
A601	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03



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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

	edge emissions (Ra sions in frequency ba		Anbore A	botek	Aupolen	Aug
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
e×1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
nb 2ek	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2024-01-17	2025-01-16
300	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Vupole rek	Vup Yek
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
7 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2024-05-07	2025-05-06

	12. Z.	16, VU	0 00 00	40.	~60	T v
VUD	-k hotek	Anbo	Note H	Aupole	VI.	"poler
Emiss	sions in frequency b	ands (below 1GHz)	Aupo ofek	Anboiek	Anbore	V. Jpolek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
otet	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2 jel	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16
3 Anb	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
4	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11
5	EMI Test Software EZ-EMC	SHURPLE SHURPLE	N/A	N/A	Vupor	ek Anborek
otek	k Vupo	Vupojek Vupoje	iek Vupo	iek Wup	olok Vup.	botek Anbo

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2. Antenna requirement

Test Requirement:

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

2.1. Conclusion

The antenna is a **PCB Antenna** which permanently attached, and the best case gain of the antenna is **-2.81dBi**. It complies with the standard requirement.



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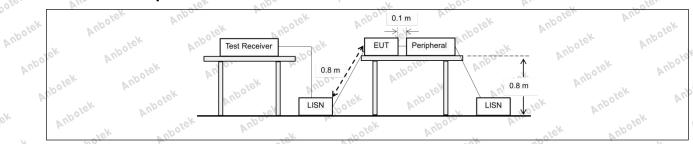
3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator to public utility (AC) power line, the raback onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN).	hat is designed to be con dio frequency voltage tha y frequency or frequencie exceed the limits in the fo	nected to the it is conducted s, within the ollowing table, as				
Poick Wupor	Frequency of emission (MHz)	Conducted limit (dBµV)	Auga				
And	olek Aupo	Quasi-peak	Average				
ek abole. And	0.15-0.5	66 to 56*	56 to 46*				
Test Limit:	0.5-5	56 And	46 Anbo				
Hotek Anbo.	5-30	60 abolet Ar	50				
rek Anbotek	*Decreases with the logarithm of the frequency.						
Test Method:	ANSI C63.10-2020 section 6.2	Yupoter Yun	Vupolek b				
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unli		od for ac power-				

3.1. EUT Operation

Operating E	Environment:	ek a	potek l	Yuporg.	Pur	Anboiek	AUDO
Test mode:	1: TX (Non-Ho hopping).	pping): Kee	ep the EUT i	n continuous	ly transmitting	mode (non-	Anb
3.2. Test 9	Setup ^{boten} A	10k	upotek	Anbo	k spoke	Aupole	V

3.2. Test Setup





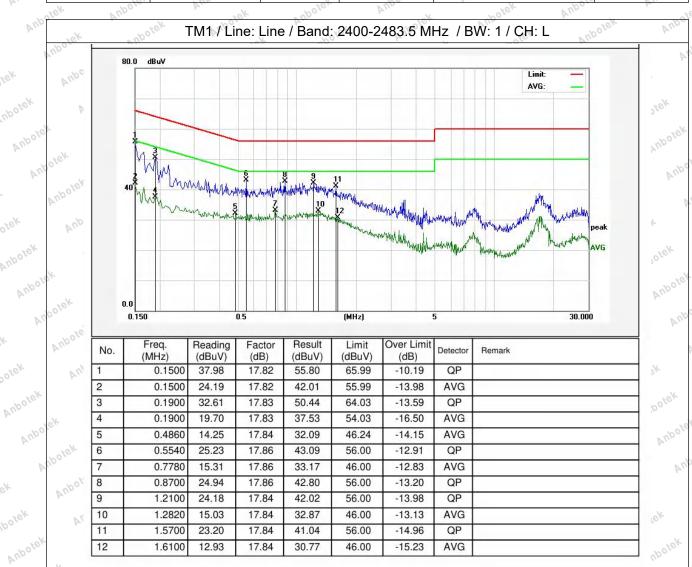






3.3. Test Data

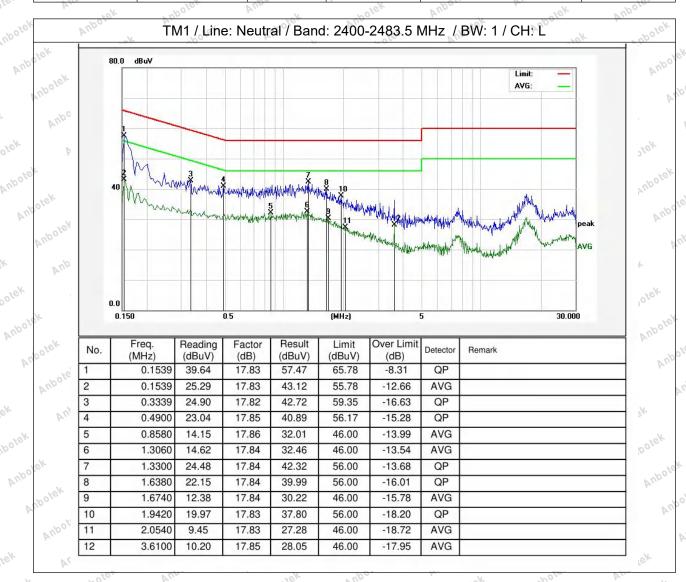
Temperature: 22.7 °C Humidity: 48 % Atmospheric Pressure: 101 kPa







Temperature: 22.7 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







4. Occupied Bandwidth

And	tok Vupo, k. ok Wole, VIII. notek
Test Requirement:	47 CFR 15.247(a)(1)
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI C63.10-2020, section 7.8.6, For occupied bandwidth measurements, use the procedure in 6.9.3. Frequency hopping shall be disabled for this test. KDB 558074 D01 15.247 Meas Guidance v05r02
Aupotek Aupotek Vol. Wek Volek	The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth: a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between
Potek Vipotek Vipotek Vipotek Vipotek Vipotek	 1.5 times and 5.0 times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In
Anbotek Anbol	general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.6.2. d) Step a) through step c) might require iteration to adjust within the specified range.
Vipotek Vipotek	e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used. f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
Aupolok Vupe	g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms.
Aupotek Aupotek Viek Viek Viek Viek Viek Viek Viek Viek Viek Viek Viek	The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies. h) The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to
Anbo	the plot(s).

4.1. EUT Operation

Operating En	vironment:	k Aupole.	V _{UP}	Aupolek	Anbo	V-
Test mode:	1: TX (Non-Hopp	ing): Keep the EU	JT in continuously	y transmitting	mode (non-	E.
rest intode.	hopping).	ore VIII	ok hoter	AND	. Ne	J.K









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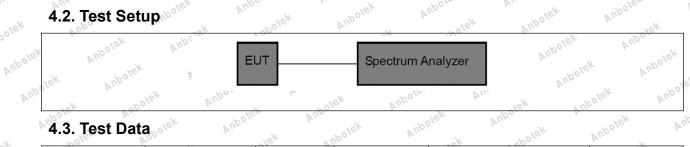
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4.2. Test Setup



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4.3. Test Data

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4.3. Test Data	otek Aupote	Vick VI	ipolek	Auporek Aup	potek	Aupolek	Ar
Temperature: 2	25.5 °C	Humidity:	47 %	Atmospheri	c Pressure:	101 kPa	
Aup	atek.	Aupolo	Vek.	"pole"	Aug	hotel	-
Please Refer to A	ppendix for Deta	ails. Nek	VUPOIS	W.	"pole"	VUR	V

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Please Refer to Appendix for Details.

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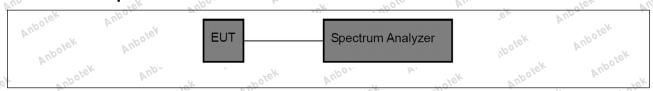
5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(1)
Test Limit: Anbotek	Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
Test Method:	ANSI C63.10-2020, section 7.8.5 KDB 558074 D01 15.247 Meas Guidance v05r02
ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings: a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel. b) RBW > 20 dB bandwidth of the emission being measured. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak.
Procedure: Anbotek Anbotek Anbotek Anbotek Anbotek	f) Trace: Max-hold. g) Allow trace to stabilize. h) Use the marker-to-peak function to set the marker to the peak of the emission. i) The indicated level is the peak output power, after any corrections for external attenuators and cables. j) A spectral plot of the test results and setup description shall be included in the test report. NOTE—A peak responding power meter may be used, where the power
upotek Aupotek	meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

5.1. EUT Operation

Pro-	~ (0	1/11.	20.0	VO.	· · · · · · · · · · · · · · · · · · ·	L. O '
Operating Envi	onment:	polek	Anbore	W. Otek	Aupoles	Yun Ick
Test mode:	1: TX (Non-Ho	pping): Keep th	ne EUT in con	tinuously transm	nitting mode (non- Anbor

5.2. Test Setup



5.3. Test Data

Temperature:	25.5 °C	Humid	lity: 47 %	Anbo	Atmospheric Pre	ssure: 101 kPa
. 60	V				- (0	. ^5

Please Refer to Appendix for Details.







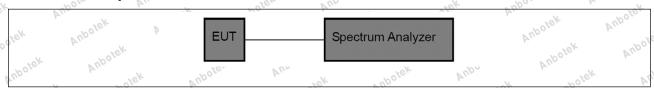
6. Channel Separation

Di.	- F.C.L. VID	-/O.	h.	Ole.
Test Requirement:	47 CFR 15.247(a)(1)	Vin	Anbotek	Aup. 16k
Test Limit: Anbotek Anbotek Anbotek Anbotek	Refer to 47 CFR 15.247(a)(1), Frequency hopping channel carrier frequencies so the 20 dB bandwidth of the hopping chanternatively, frequency hopping system band may have hopping channel carries 25 kHz or two-thirds of the 20 dB bandwhichever is greater, provided the systems greater than 125 mW.	eparated by a nannel, whiche ms operating er frequencies dwidth of the h	minimum of 2 ever is greater in the 2400-24 s that are sepa nopping chann	5 kHz or .83.5 MHz rated by el,
Test Method:	ANSI C63.10-2020, section 7.8.2 KDB 558074 D01 15.247 Meas Guida	nce v05r02	Anbotek	Anborel
Aupotek Aupotek Aupotek Aupotek	The EUT shall have its hopping function spectrum analyzer settings: a) Span: Wide enough to capture the part b) RBW: Start with the RBW set to appropriate spacing; adjust as necessary to best in channel.	peaks of two a proximately 30 dentify the cer	adjacent chanr)% of the chan	nels. inel
Procedure:	c) Video (or average) bandwidth (VBM d) Sweep: No faster than coupled (aut e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize.		Prek Vuporek	tok Aupor
Aupotek Aupo	Use the marker-delta function to determine to the peaks of the adjacent channels. Comparegulatory limit shall be determined. A included in the test report.	oliance of an E	EUT with the ap	opropriate

6.1. EUT Operation

Operating Envi	ronment:	abotek	Anboro	Wolek.	Anboles	Ans
Test mode:	2: TX (Hopping): Kee	the EUT in c	ontinuously tra	nsmitting mode	(hopping).	1

6.2. Test Setup



6.3. Test Data

Temperature:	25.5 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.









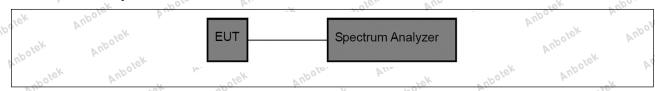
7. Number of Hopping Frequencies

D.,	16 VID VID
Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit: Anborek Anborek Anborek	Refer to 47 CFR 15.247(a)(1)(iii), Fequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Test Method:	ANSI C63.10-2020, section 7.8.3 KDB 558074 D01 15.247 Meas Guidance v05r02
Aupotek Aupotek Vipotek Vipotek Vipotek Vipotek	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: The frequency band of operation. Depending on the number of channels the device supports, it could be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen. b) RBW: To identify clearly the individual channels, set the RBW to less than
Procedure:	30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize.
ek Aupotek Aupo	It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A spectral plot of the data shall be included in the test report.

7.1. EUT Operation

Operating En	vironment:	Aupolek	Aupa	nbotek	Vupose -k	Potek
Test mode:	2: TX (Ho	pping): Keep	the EUT in cor	ntinuously trans	mitting mode (h	nopping).
7.2. Test Se	etup Anbox	'sk spo	iek Aupoli	Y. Alla	tek Anbote	k Aupo

7.2. Test Setup



7.3. Test Data

_\	Temperature:	25.5 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa
S.	VU	You	200	V. V.	" 012 VI.	187

Please Refer to Appendix for Details.









Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

8. Dwell Time	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek	Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Test Method:	ANSI C63.10-2020, section 7.8.4 KDB 558074 D01 15.247 Meas Guidance v05r02
Aupotek Vupotek Votek Vupotek Votek Vupotek	The dwell time per hop on a channel is the time from the start of the first transmission to the end of the last transmission for that hop. If the device has a single transmission per hop then the dwell time is the duration of that transmission. If the device has a multiple transmissions per hop then the dwell time is measured from the start of the first transmission to the end of the last transmission.
Varpotek Varpotek Varpotek	The time of occupancy is the total time that the device dwells on a channel over an observation period specified in the regulatory requirement. To determine the time of occupancy the spectrum analyzer will be configured to measure both the dwell time per hop and the number of times the device transmits on a specific channel in a given period.
Anbotek Anbotek Anbotek Anbotek Procedure:	The EUT shall have its hopping function enabled. Compliance with the requirements shall be made with the minimum and with the maximum number of channels enabled. If the dwell time per channel does not vary with the number of channels than compliance with the requirements may be based on the minimum number of channels. If the device supports different dwell times per channel (example Bluetooth devices can dwell on a channel for 1, 3 or 5 time slots) then measurements can be limited to the longest
Aupores. Yun	dwell time with the minimum number of channels.
"Upolek Vupo	Use the following spectrum analyzer settings to determine the dwell time per
Anbolek Anbo	hop: And hotek Andorek Andorek Andorek Andore
upotek Aupotek	 a) Span: Zero span, centered on a hopping channel. b) RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected transmission time per hop. c) Sweep time: Set so that the start of the first transmission and end of the last transmission for the hop are clearly captured. Setting the sweep time to be slightly longer than the hopping period per channel (hopping period =
Tek Anbotek Anb	1/hopping rate) should achieve this. d) Use a video trigger, where possible with a trigger delay, so that the start of the transmission is clearly observed. The trigger level might need adjustment to reduce the chance of triggering when the system hops on an adjacent
Aupotek Aupotek	channel. e) Detector function: Peak. f) Trace: Clear-write, single sweep. g) Place markers at the start of the first transmission on the channel and at the end of the last transmission. The dwell time per hop is the time between







these two markers.

To determine the number of hops on a channel in the regulatory observation period repeat the measurement using a longer sweep time. When the device uses a single hopping sequence the period of measurement should be sufficient to capture at least 2 hops. When the device uses a dynamic hopping sequence, or the sequence varies, the period of measurement may need to capture multiple hops to better determine the average time of occupancy. Count the number of hops on the channel across the sweep time.

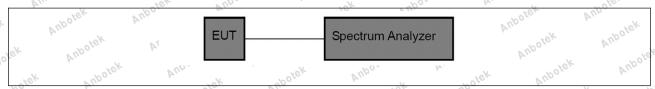
The average number of hops on the same channel within the regulatory observation period is calculated from the number of hops on the channel divided by the spectrum analyzer sweep time multiplied by the regulatory observation period. For example, if three hops are counted with an analyzer sweep time of 500 ms and the regulatory observation period is 10 s, then the number of hops in that ten seconds is $3 / 0.5 \times 10$, or 60 hops.

The average time of occupancy is calculated by multiplying the dwell time per hop by the number of hops in the observation period.

8.1. EUT Operation

Operating Er	nvironment:	botek	Anbolo	Aur	Aupolek	Anb Lek	000
Test mode:	2: TX (Ho	pping): K	eep the EUT in	continuously tr	ansmitting mo	de (hopping).	b.,

8.2. Test Setup



8.3. Test Data

Temperature: 25.5 °C Humidity:	47 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





9. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek 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 7.8.7 KDB 558074 D01 15.247 Meas Guidance v05r02
Y Aupotek Aupote	7.8.7.1 General considerations To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers.
Dotek Anbotek	Frequency hopping shall be disabled for this test with the exception of measurements at the allocated band-edges which shall be repeated with hopping enabled.
ek Anbotek Anbotek Anbote	Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps.
otek Aupotek	The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector.
Procedure:	The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the
upotek Vupotek	required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be
otek Anbotek Anbotek Anbotek Anbotek	when conducted measurements cannot be made (for example a device with integrated, non-removable antenna) radiated measurements shall be used. The reference level for determining the limit shall be established by maximizing the field strength from the highest power channel and measuring using the resolution and video bandwidth settings and peak detector as described above. The field strength limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB)
Aupotek Aupotek	below the highest in-band level. Radiated measurements will follow the standards measurement procedures described in Clause 6 with the exception that the resolution bandwidth shall be 100 kHz, video bandwidth







300 kHz, and a coupled sweep time with a peak detector. Note that use of wider measurement bandwidths are acceptable for measuring the spurious emissions provided that the peak detector is used and that the measured value of spurious emissions are compared to the highest in-band level measured with the 100 kHz / 300 kHz bandwidth settings to determine compliance.

7.8.7.2 Band-edges

Compliance with a relative limit at the band-edges (e.g., -20 dBc) shall be made on the lowest and on the highest channels with frequency hopping disabled and repeated with frequency hopping enabled. For the latter test the hopping sequence shall include the lowest and highest channels.

For measurements with the hopping disabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of the allocated band-edge.

For measurements with the hopping enabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of both of the allocated band-edges. This could require separate spectral plots for each band-edge.

9.1. EUT Operation

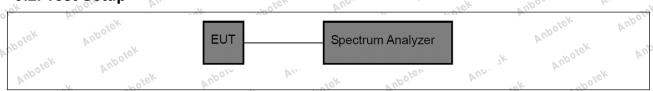
Operating Environment:

Test mode:

1: TX (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping).

2: TX (Hopping): Keep the EUT in continuously transmitting mode (hopping).

9.2. Test Setup



9.3. Test Data

	Temperature:	25.5 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.









10. Band edge emissions (Radiated)

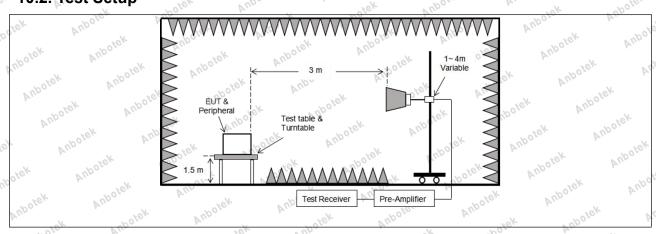
Test Requirement:	restricted bands, as defined	In addition, radiated emissions If in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	oly with the
Aupotek Aupotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anbotek Anbotel	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300
ak Aupotek Aup	1.705-30.0 30-88 88-216	30 100 ** 150 **	3 3
Potek Vupore	216-960 Above 960	200 ** 500	3
Test Limit:	intentional radiators operati frequency bands 54-72 MH	ragraph (g), fundamental emissi ng under this section shall not b z, 76-88 MHz, 174-216 MHz or	e located in the 470-806 MHz.
ek Anbotek An	sections of this part, e.g., § In the emission table above	, the tighter limit applies at the b	oand edges.
Aupotek Aupotek	employing a CISPR quasi-p 90 kHz, 110–490 kHz and a	in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emised and on measurements employing	uency bands 9– sion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		k Aupoles
Procedure:	ANSI C63.10-2020 section	6.10.5.2	oole. Vin

10.1. EUT Operation

Operating Env	ironment:	VIII.	Aupolek	Vupa	· upotek	Aupor	e/c
Test mode:	1: TX (No hopping).	100	eep the EUT	in continuou	sly transmitting	mode (non-	iek.

10.2. Test Setup

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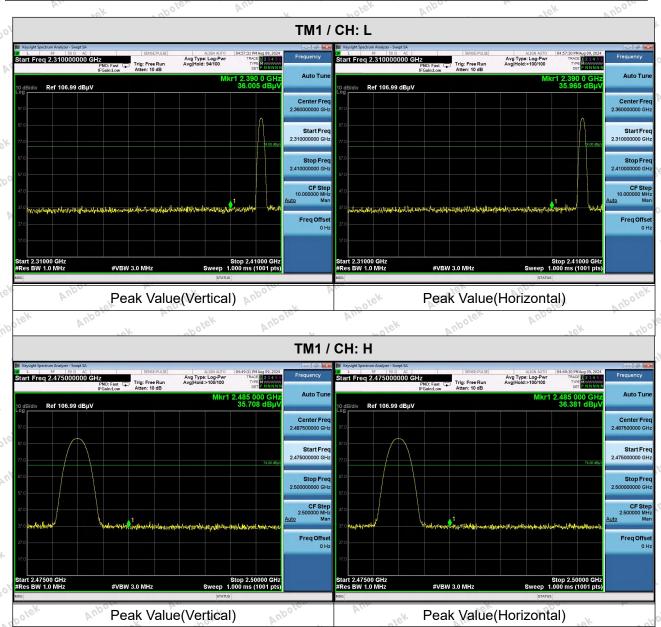




Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

10.3. Test Data

Temperature: 25.5 °C Humidity: 47 % Atmospheric Pressure: 101 kPa



Remark: When the PK measure result value is less than the AVG limit value, the AV measure result values test not applicable.



Anbolek







Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

11. Emissions in frequency bands (below 1GHz)

V. V.		pecified in § 15.209(a)(see § 15	
stek Aupoten	Frequency (MHz)	Field strength	Measuremen
Aupo K Polick	Anbore Ar.	(microvolts/meter)	distance (meters)
Aupoter Aug	0.009-0.490	2400/F(kHz)	300
Polick Wupo.	0.490-1.705	24000/F(kHz)	30 Ano
And	1.705-30.0	30× Nupote VIII	30 abolt
k Aupole A	30-88	100 **	10° 3
r potek	88-216	150 **	3 tek An
oter And	216-960	200 **	3
rek upolek	Above 960	500	3 nbore
Test Limit:	** Event as provided in p	argaraph (a) fundamental ami	aciona from N
L	Except as provided in p	aragraph (9), lunuamentai emi	SSIONS HOME
polek Aupole	intentional radiators opera	aragraph (g), fundamental emis iting under this section shall no	t be located in the
Aupolek Aupole	intentional radiators opera frequency bands 54-72 M	iting under this section shall no Hz, 76-88 MHz, 174-216 MHz o	t be located in the or 470-806 MHz.
Aupotek Aupote	intentional radiators opera frequency bands 54-72 M However, operation within	iting under this section shall no Hz, 76-88 MHz, 174-216 MHz o these frequency bands is perm	t be located in the or 470-806 MHz.
Walpotek Volek Vupoter	intentional radiators opera frequency bands 54-72 M However, operation within sections of this part, e.g.,	iting under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is pern §§ 15.231 and 15.241.	t be located in the or 470-806 MHz. nitted under other
Waltotek Wasporek Wasporek	intentional radiators opera frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table abov	iting under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is pern §§ 15.231 and 15.241. we, the tighter limit applies at the	t be located in the or 470-806 MHz. nitted under other band edges.
Sk Aupotek Aupotek	intentional radiators opera frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table abov The emission limits shown	Iting under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is perm §§ 15.231 and 15.241. We, the tighter limit applies at the In in the above table are based of	t be located in the or 470-806 MHz. hitted under other e band edges. on measurements
Potek Aupotek Yupotek Votek Vupotek Vupotek	intentional radiators operative frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table about The emission limits shown employing a CISPR quasi	Iting under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is perm §§ 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of peak detector except for the free.	t be located in the or 470-806 MHz. nitted under other e band edges. on measurements equency bands 9
Ootek Aupotek Aupotek	intentional radiators operative frequency bands 54-72 MI However, operation within sections of this part, e.g., In the emission table about The emission limits shown employing a CISPR quasity 90 kHz, 110–490 kHz and	ating under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is perm §§ 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of peak detector except for the frabove 1000 MHz. Radiated en	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9 nission limits in
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operative frequency bands 54-72 MI However, operation within sections of this part, e.g., In the emission table about The emission limits shown employing a CISPR quasity 90 kHz, 110–490 kHz and	Iting under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is perm §§ 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of peak detector except for the free.	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9 nission limits in
Anbotek	intentional radiators operative frequency bands 54-72 MI However, operation within sections of this part, e.g., In the emission table about The emission limits shown employing a CISPR quasity 90 kHz, 110–490 kHz and these three bands are based frequency based on the section of the section o	ating under this section shall no Hz, 76-88 MHz, 174-216 MHz of these frequency bands is perm §§ 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of peak detector except for the frabove 1000 MHz. Radiated en sed on measurements employing 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

11.1. EUT Operation

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P.	Operating Envi	ronment:	VII.	Aupolek	AUD	upotek	Aupo	h.,
	Test mode:	1: TX (No	1100	Ceep the EUT	in continuously	y transmitting r	node (non-	e/k





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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

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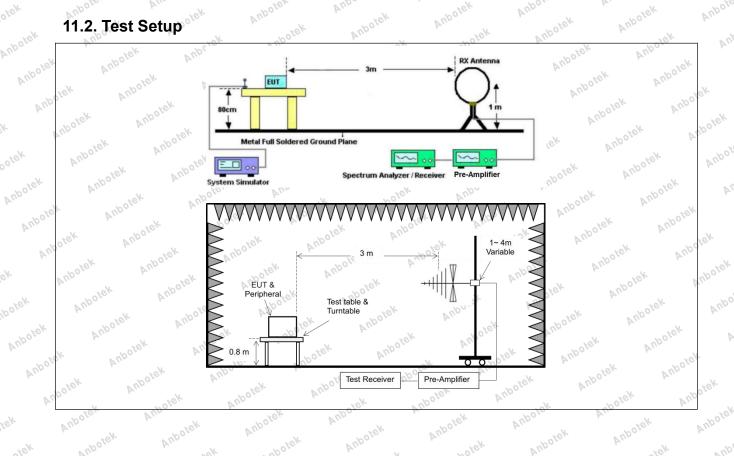
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11.2. Test Setup



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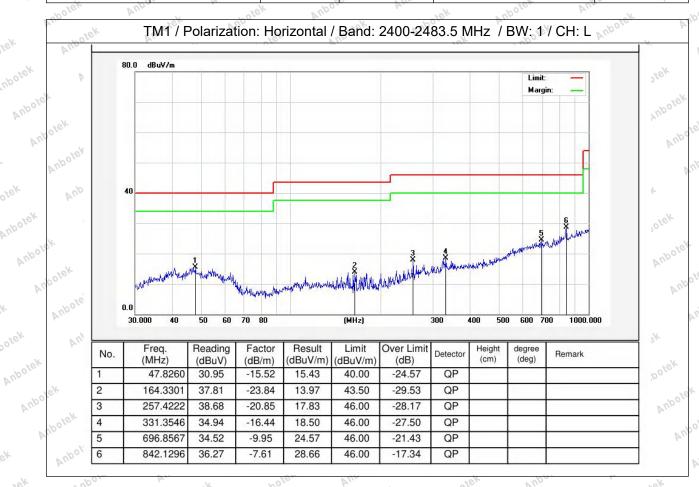
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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

11.3. 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: 24 °C Humidity: 54 % Atmospheric Pressure: 101 kPa



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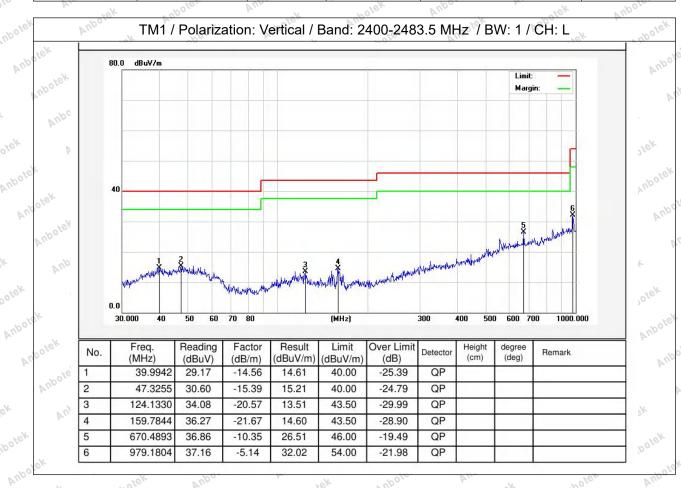




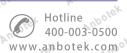
Aupolek

Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

Temperature: 24 °C Humidity: 54 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







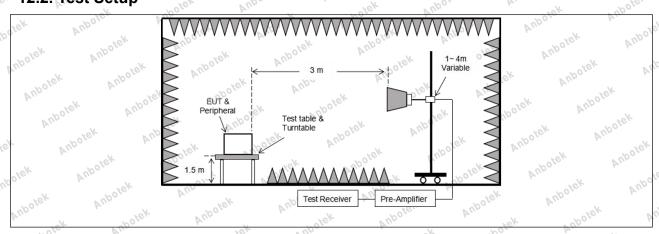
12. Emissions in frequency bands (above 1GHz)

rek Aupore	in § 15.209(a)(see § 15.2	05(c)).`	on limits specified
^{Vipolek} Vipolek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Aupo	0.009-0.490	2400/F(kHz)	300
Polek Vup,	0.490-1.705	24000/F(kHz)	30 And
Aug	1.705-30.0	30	30 nboke
k Whole	30-88	100 **	10° 3
, otek	88-216	150 **	3 tek Anl
olek Vupo	216-960	200 **	3
iek abotek	Above 960	500	3 nbole
Test Limit:	16,	N. P.	V.
VACSI FILLII.	** Except as provided in r	paragraph (g), fundamental emis	ssions from
Mest Little. Anbore		paragraph (g), fundamental emis ating under this section shall not	
Anbotek Anbote	intentional radiators opera	paragraph (g), fundamental emis ating under this section shall not Hz, 76-88 MHz, 174-216 MHz c	be located in the
Anborek Anbore	intentional radiators opera frequency bands 54-72 M	ating under this section shall not	t be located in the or 470-806 MHz.
Anbotek Anbotel	intentional radiators operations frequency bands 54-72 M However, operation within sections of this part, e.g.,	ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is perm §§ 15.231 and 15.241.	be located in the or 470-806 MHz. hitted under other
Anbotek Anbotek Anbotek Anbotek	intentional radiators opera frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table about	ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is perm §§ 15.231 and 15.241. we, the tighter limit applies at the	t be located in the or 470-806 MHz. hitted under other e band edges.
Anbotek Anbotek Anbotek Anbotek	intentional radiators operative frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table about the emission limits show	ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is perm §§ 15.231 and 15.241. We, the tighter limit applies at the in the above table are based on the second second in the above table are based on the second second in the above table are based on the second secon	t be located in the or 470-806 MHz. hitted under other e band edges. on measurements
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operation 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 quasi	ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is permiss 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of the peak detector except for the free the section in the above table are based of the section except for the free the section in the are based of the section except for the free the section except for the free the section except for the section in the section except for the section in	t be located in the or 470-806 MHz. nitted under other e band edges. on measurements equency bands 9-
Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operative 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	ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is permiss 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of the peak detector except for the free labove 1000 MHz. Radiated em	t be located in the or 470-806 MHz. hitted under other be band edges. on measurements equency bands 9- hission limits in
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators opera 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 Hz, 76-88 MHz, 174-216 MHz on these frequency bands is permiss 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of the peak detector except for the free the section in the above table are based of the section except for the free the section in the are based of the section except for the free the section except for the free the section except for the section in the section except for the section in	t be located in the or 470-806 MHz. hitted under other be band edges. on measurements equency bands 9- hission limits in
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operative 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	ating under this section shall not Hz, 76-88 MHz, 174-216 MHz on these frequency bands is permiss 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of the peak detector except for the free labove 1000 MHz. Radiated em	t be located in the or 470-806 MHz. hitted under other be band edges. on measurements equency bands 9- hission limits in
Anbotek	intentional radiators opera 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 Hz, 76-88 MHz, 174-216 MHz on these frequency bands is permiss 15.231 and 15.241. We, the tighter limit applies at the in the above table are based of i-peak detector except for the frest above 1000 MHz. Radiated emsed on measurements employing 6.6.4	t be located in the or 470-806 MHz. hitted under other be band edges. on measurements equency bands 9- hission limits in

12.1. EUT Operation

Operating Env	ironment:	VIII.	Aupolek	Vupa	· upotek	Aupor	-/r
Test mode:	1: TX (No hopping).	11 0	eep the EUT	in continuou	sly transmitting	mode (non-	iek.

12.2. Test Setup





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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

12.3. Test Data

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Temperature:	24 °C	Humidity:	54 %	Atmospheric Pressure:	101 kPa
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	N. rek	apolen	AUG.	hotek	Anbo	rek	Anboro
1001			-	TM1 / CH: L			
	Peak value:						
× ,	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
	4806.00	29.65	15.27	44.92	74.00	-29.08	Vertical
	7209.00	30.78	18.09	48.87	74.00	-25.13	Vertical
	9612.00	32.13	23.76	55.89	74.00	-18.12	Vertical
	12015.00	* "pole"	Aupo	, voz.	74.00	P.II.	Vertical
	14418.00	*	otek Anbo	Ver. Vue	74.00	olek Vupe	Vertical
	4806.00	30.01 And	15.27	45.28	74.00	-28.72	Horizontal
	7209.00	30.64	18.09	48.73	74.00	-25.27	Horizontal
ı	9612.00	29.60	23.76	53.36	74.00	-20.64	Horizontal
	12015.00	Ano*	Pupolek	Auport	74.00	Aupolo	Horizontal
İ	14418.00	Kµpore.	V. Orek	Aupolek	74.00	k upolek	Horizontal
	Average value:						
	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
	4806.00	19.03	15.27	34.30	54.00	-19.70	Vertical
	7209.00	19.81	18.09	37.90	54.00	-16.10	Vertical
200	9612.00	21.15	23.76	44.91	54.00	-9.10	Vertical
N.	12015.00	* * 1001	sk Aupor	p	54.00 nbo	S. Aug	Vertical
	14418.00	*	Viek Vul	Olek Vup.	54.00	polek Aug	Vertical
	4806.00	18.36	15.27	33.63	54.00	-20.37	Horizontal
	7209.00	19.70	18.09	37.79	54.00	-16.21	Horizontal
	9612.00	18.91	23.76	42.67	54.00	+11.33	Horizontal
	12015.00	V.*	Vupolek	Aupore	54.00	Aupoles	Horizontal
Ó	14418.00	* * Aupote	P.	k upole	54.00	100°C	Horizontal

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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

	opolek Aup	stek Anbol	Se Aun	2AGLG-1K5	"O" "NO"	,	ooiek l
0	upotek Aup		poter An	ГМ1 / CH: М	"otek V	Upotek Vu	-16k
	Peak value:						
	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarizatio
	4882.00	29.67	15.42	45.09	74.00	-28.91	Vertical
	7323.00	ovek 30.63 kupa	18.02	48.65	74.00	-25.35	Vertical
	9764.00	31.14	23.80	54.94	74.00	-19.07	Vertical
	12205.00	And *	abotek	Anbot	74.00	Aupolek .	Vertical
	14646.00	Anbo*	Viek Viek	Aupolek	74.00	"potek	Vertical
	4882.00	29.71	15.42	45.13	74.00	-28.87	Horizont
	7323.00	30.63	18.02	48.65	74.00	-25.35	Horizont
	9764.00	29.30	23.80	53.10	74.00	-20.90 M	Horizont
	12205.00	potek * And	. Sk	spotek An	74.00	rotek b	Horizont
	14646.00	Polek*	Anbolo	Clek	74.00	And	Horizont
	Average value:						
	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarizati
	4882.00	18.76 (h ^{o)te}	15.42	34.18 , 100	54.00	-19.82	√° Vertica
	7323.00	19.91	otek 18.02 And	37.93	54.00	-16.07	Vertica
	9764.00	21.01	23.80	44.81	54.00	-9.20	Vertica
	12205.00	Aupole*	Vun	Anbotek	54.00	abotek	Vertica
	14646.00	Not tek	Anbors	hotek	54.00	Al.	Vertica
É	4882.00	18.27	15.42	33.69	54.00	-20.31	Horizont
	7323.00	19.26	18.02 ₀₀ 010	37.28	54.00	-16.72 ¹⁰⁰¹	Horizont
3	9764.00	19.42 No.	23.80	otek 43.22 And	54.00	10.78 N	Horizont
	12205.00	work *	Pole. Vu	rek .	54.00	100.	Horizont
	14646.00	, nb **	Pupolek	Aupo	54.00	Aupotek	Horizont

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Vupo. K.	.ak	Pole. Vu.	V	rolek V	Up	194
			TM1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	29.94	15.58	45.52	74.00	-28.48	Vertical
7440.00	30.64	17.93	48.57	74.00 M	-25.43	Vertical N
9920.00	31.69	23.83	55.52	74.00	-18.49	Vertical
12400.00	Aupole *	in rolek	Vupolek	74.00	holek	Vertical
14880.00	VUPO ASK	Aupolo	shotek	74.00	Y. Otek	Vertical
4960.00	29.78	15.58	45.36	74.00	-28.64	Horizontal
7440.00	30.66	17.93	48.59	74.00	-25.41	Horizontal
9920.00	29.98	23.83	53.81	74.00	-20.19 no	Horizontal
12400.00	otek * And	Ofe. Ver	rek nr	74.00	40.4	Horizontal
14880.00	Nek*	Inpolek A	Upp	74.00	Aupolo	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	19.88	15.58	35.46	54.00	-18.54	Vertical (%)
7440.00	20.92	17.93	38.85	54.00	o ^{tek} -15.15 And	Vertical
9920.00	21.56	23.83	45.39	54.00	-8.62	Vertical
12400.00	abote*	Vupor	"Olek	54.00	Vun	Vertical
14880.00	* tek	Anbolek	And	54.00	Aupole	Vertical
4960.00	19.71	15.58	35.29	54.00	-18.71	Horizontal
7440.00	20.63	17.93	38.56	54.00	-15.44	Horizontal
9920.00	19.32 nool	23.83	43.15	54.00 knoo	-10.85	Horizontal
12400.00	*	potek Aul) or	54.00	ipoles Vill	Horizontal
14880.00	"Upole * V	rek	Vupoles	54.00	" upolek	Horizontal

Remark:0

- 1. Result =Reading + Factor
- 2. Test frequency are from 1GHz to 25GHz, "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.



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Report No.:1812C40005412501 FCC ID: 2AGLG-TK50FG-BK-D

APPENDIX I -- TEST SETUP PHOTOGRAPH

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Please refer to separated files Appendix I -- Test Setup Photograph RF

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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

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----- End of Report

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