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FCC Test Report

GODOX PHOTO EQUIPMENT CO.,LTD **Applicant**

1st to 4th Floor, Building 2/1st to 4th Floor,

Building 4 , Yaochuan Industrial Zone, Tangwei

Community, Fuhai Street, Baoan District,

Shenzhen, 518103 China

Wireless Lavalier Microphone System(Receiver) **Product Name**

Report Date Jan. 24, 2024

Shenzhen Anbotek Compliance Laboratory Limited









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TEST REPORT

Applicant : GODOX PHOTO EQUIPMENT CO.,LTD

Manufacturer : GODOX Photo Equipment Co.,Ltd.

Product Name : Wireless Lavalier Microphone System(Receiver)

Test Model No. : WES1 RX

Reference Model No. : N/A

Trade Mark : 6000X

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

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:	Nov. 17, 2023
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Date of Test:	v. 17, 2023 to Jan. 24, 2024
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Johalt Amborelt Ambo. Malk Amborak Amboren	Illa Liang
Prepared By: Arboring	William Toolege Wilder
Amborek Amborek Ambore Am	(Ella Liang)
Anborek Anborek Anbore An	horisin Antonia Antonia Antonia
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Approved & Authorized Signer:	anbots. And Like abotek Ant
chek Augora An wek andorren Andre	(Edward Pan)







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Revision History

Report Version	Description	Issued Date
Anbores R00 abores An	Original Issue.	Jan. 24, 2024
William Williams	Anborek Anborek Anborek	s abotek Antotek Ant
o. Pupoter Aupoter	Antonek Antonek Antone	rek Anborek Anbores

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1. General Information

1.1. Client Information

V/11.	- CV/25	
Applicant	:	GODOX PHOTO EQUIPMENT CO.,LTD
Address	:	1st to 4th Floor, Building 2/1st to 4th Floor, Building 4 ,Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Baoan District, Shenzhen, 518103 China
Manufacturer	:	GODOX Photo Equipment Co.,Ltd.
Address	:	4th Floor of Building 1, 1st to 4th Floor of Building 2, 4th Floor of Building 3,1st to 4th Floor of Building 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103,China
Factory	:	GODOX Photo Equipment Co.,Ltd.
Address	:	4th Floor of Building 1, 1st to 4th Floor of Building 2, 4th Floor of Building 3,1st to 4th Floor of Building 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103,China

1.2. Description of Device (EUT)

1000 Mar		And the state of t
Product Name	:	Wireless Lavalier Microphone System(Receiver)
Test Model No.	:	WEST RX Antibotek Antibotek Antibotek Antibotek Antibotek
Reference Model No.	:	N/A Arborek Anborek Anborek Anborek Anborek Anborek Anborek
Trade Mark	:	De Godox Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	DC 5V via iPhone
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A anbotek anbotek anbotek anbotek anbotek anbotek
RF Specification		
Operation Frequency	:	2402~2480MHz
Number of Channel	:	79 of the Antoniek Antoniek Antoniek Antoniek
Modulation Type	:	GFSK**** Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	Ceramic Antenna
Antenna Gain(Peak)	:	4.53dBi Andrew Andrew Andrew Andrew Andrew Andrew
Pomarky 200	1200	16 TOLO WILL TO THE TOLON OF THE PERSON OF T

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

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	1.3. Auxiliary Equipn	nent Used During Test	Popology Vilgo	inpotely Aupour Au.	Aniporiely.
	Title	Manufacturer	Model No.	Serial No.	^{VU} PO _{UE}
	Xiaomi 33W adapter	Xiaomi	MDY-11-EX	SA62212LA04358J	ant.
10	Apple Phone	Apple Apple	iPhone 12	DNPDJC7T0DYF	K

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1.4. Operation channel list

Operation Band:

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V-	Operation E	sand:	VII.	12010h	BUBBB	No.	200,0	Bu.
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Ne	O Androse	2402	20	2422	40	2442 ₀₀₀₀₀	60	2462
₅ 0	nek 1 phot	2403	21	o ^{ne M} 2423 Made	41	2443 MA	61	2463
	100 P	2404	22	2424	42	2444	62	2464
	3	2405	23	2425	43 A	2445	63	2465
	4016	2406	24	2426	44	2446	64	2466
W-	5	2407	25	2427	45	2447	65 ₀ 00000000000000000000000000000000000	2467
	6	2408	26	2428	46	2448	18 66 M	2468
	7	2409	27	2429 _M	47 A	2449	67 N	2469
25	8	2410	28	2430	48	2450	68	2470
	9	2411	29	2431	49	2451	69	2471
	10	2412	30	2432	50	2452	70,000	2472
	11	2413	31	2433	51 _M n ^{boh}	2453	71 _{MD}	2473
580	12	2414 _{MO}	32	2434	52 m	2454	72 N	2474
(O)	13	2415	33	2435	53	2455	73	2475
	14	2416	34	2436	54	2456	74	2476
	M15	2417	35	2437	55	2457	75	2477
•	16	2418	36	2438	56,000	2458	76	2478
76	17 17	2419	37 And	2439	57 _{Anh}	2459	77	otel 2479 prior
10	18	2420	38 N	2440	58	2460	78	2480
	19	2421	39	2441	59	2461	Vupe - sky	VUQCFG/k

1.5. Description of Test Modes

Pretest Modes			Descriptions			
20	TM1	Will Olek	Keep the EUT in SRD 2.4G continuously transmitting mode (non-hopping) with GFSK modulation.			
ON TO	TM2	Vupose.	Keep the EUT in SRD 2.4G continuously transmitting mode (hopping) with GFSK modulation.			



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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
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.





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1.7. Test Summary

	ACI - 0 0.	- 600
Test Items	Test Modes	Status
Antenna requirement	Manager 1 Manager	Polok
Conducted Emission at AC power line	Mode1	P
Occupied Bandwidth	Mode1	P
Maximum Conducted Output Power	Mode1	Р
Channel Separation	Mode2	P
Number of Hopping Frequencies	Mode2	P
Dwell Time	Mode2	P
Emissions in non-restricted frequency bands	Mode1,2	P
Band edge emissions (Radiated)	Mode1	Р
Emissions in frequency bands (below 1GHz)	Mode1	P
Emissions in frequency bands (above 1GHz)	Mode1	Pupo B
Note: P: Pass	Antorek Antorek	Anbolek Anbolek

N: N/A, not applicable

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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	Vupoda	r Spojsj	Y William	Wupan Chak
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
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	iek I proposed	And borek

Occupied Bandwidth

Maximum Conducted Output Power

Channel Separation

Number of Hopping Frequencies

Dwell Time

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Emissions in non-restricted frequency bands

	Item	Equipment	Manufacturer ***	Model No.	Serial No.	Last Cal.	Cal.Due Date
y-	1	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2023-10-16	2024-10-15
70.	2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
100	^{VU} 3248 ₉	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
	4.nb	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-02-23	2024-02-22
0	5 🎙	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
389	6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2023-02-23	2024-10-22



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note.	An	" Sele " " Inpo	bes.	POHO,	A.M.B.	-10 ¹
	edge emissions (Ra sions in frequency ba		Wipote Cotek	Wing Of Ok	Wilpoyer	Wulgan Project
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	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
4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Villa Villa	VUpode.
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
7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emiss	sions in frequency ba	ands (below 1GHz)	Aupolia.	Vun	And or other	VUpp.	
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	
3.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22	
4010	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11	
5,100	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Vulpo,	r Magiely	

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2. Antenna requirement

PULL	N0	6
Test F	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 1.53dBi. It complies with the standard requirement.





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3. Conducted Emission at AC power line

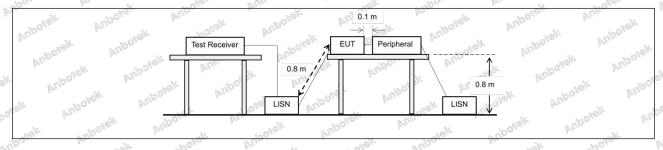
Anborek Anborek	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator to public utility (AC) power line, the radiator to public utility (AC) power line, the radiator to the	that is designed to be con adio frequency voltage tha	nected to the out it is conducted
Test Requirement:	back onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms	exceed the limits in the fo	ollowing table, as
Valence Wuga	(LISN).	Anbores And And Helk	anboyek
Vupotek Vupo	Frequency of emission (MHz)	Conducted limit (dBµV) Quasi-peak	Average
Test Limit:	0.15-0.5 0.5-5	66 to 56*	56 to 46*
Wilder Tell Williams	5-30	60	50
ek Nupo, be,	*Decreases with the logarithm of the	ne frequency.	Pup.
Test Method:	ANSI C63.10-2020 section 6.2	Pupoter Vipote	Village Color
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unli		

3.1. EUT Operation

0.0	Operating Envir	onment:	Wupa,	Policy.	Vupose.	Vun Viele	Auporok	Vupo.
No.				Geep the EUT in SK modulation.		continuously to	ansmitting r	mode Mode

3.2. Test Setup

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Hotline

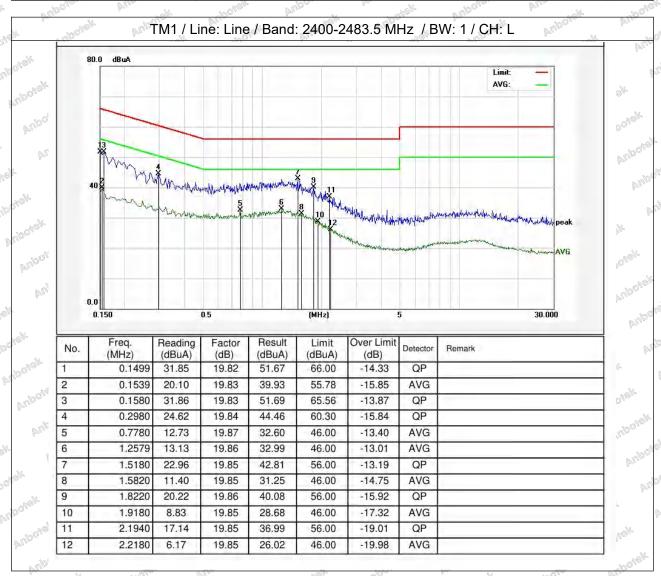


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3.3. Test Data

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Temperature: 22.7 °C Humidity: 54.2 % Atmospheric Pressure: 101 kPa

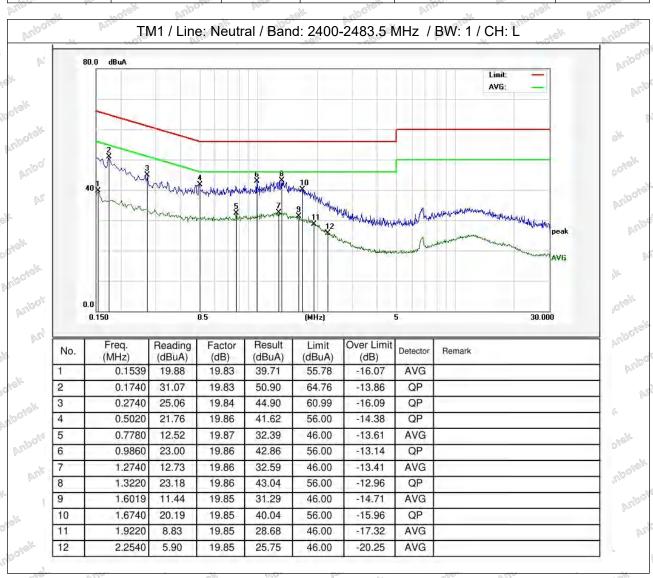






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Temperature: 22.7 °C Humidity: 54.2 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







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4. Occupied Bandwidth

Test Requirement:	47 CFR 15.215(c) And
Test Limit: Anborek Anborek Anborek Anborek	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
hok Anbortok Anb	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:
Anbotek Anbotek	a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 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
ek anbotek Anbotel	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
ootek Anbotek A	from exceeding the maximum input mixer level for linear operation. In 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.
Procedure:	 d) Step a) through step c) might require iteration to adjust within the specified range. e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold
otek Aupotek an	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.
Anborek Anbore	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. 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
k Anboten Anbo	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.
orek Anborek Anborek	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 the plot(s).







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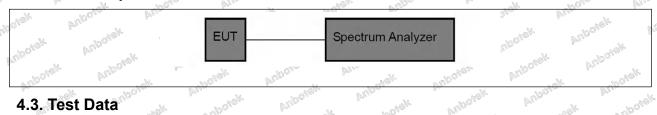
4.1. EUT Operation

Operating Environment:

1: TX (Non-Hopping): Keep the EUT in SRD 2.4G continuously transmitting mode Test mode:

(non-hopping) with GFSK modulation.

4.2. Test Setup



4.3. Test Data

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g)f-	Temperature:	25.6 °C	Humidity:	42 %	At	mospheric Pressure:	101 kPa	DOING.

Please Refer to Appendix for Details.

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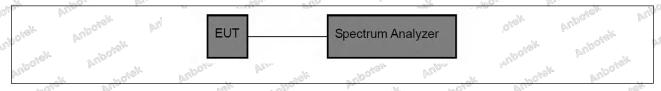
5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(1)
Test Limit: Anborek	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
Anboriek Anboriek Anboriek Anboriek Anboriek Anboriek Anboriek Anboriek Anboriek	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.
Procedure:	e) Detector function: Peak. f) Trace: Max-hold. g) Allow trace to stabilize.
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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.
ek Anbotek Anbotek	NOTE—A peak responding power meter may be used, where the power 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

	- VIII-	- 0/0	_100	floor.		W 111 m
Operating Er	vironment:	Aup Offer	VII.	Wupolek.	Anbo	abotek.
Test mode:	1: TX (Non-Hopp (non-hopping) with	10/0	n., 600.0	2.4G continuo	ously transmitt	ing mode

5.2. Test Setup



5.3. Test Data

Temperature:	25.6 °C	Humidity:	42 %	Atmospheric Press	sure: 101 kPa









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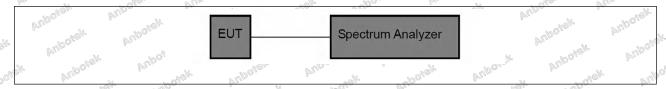
6. Channel Separation

- V _G	
Test Requirement:	47 CFR 15.247(a)(1)
Test Limit: Anborek Anborek Anborek Anborek	Refer to 47 CFR 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
Test Method:	ANSI C63.10-2020, section 7.8.2 KDB 558074 D01 15.247 Meas Guidance v05r02
Anborek Anborek	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
Procedure: Anborel Anborel Anborel	c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize.
Pulpotek Vulpotek Pulpotek Vulpotek	Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be included in the test report.

6.1. EUT Operation

Operating Envir	onment:	Pu Chely	Anbohan	MAR	No.	anborek.	Pupo.	1000 m
	2: TX (Hopping			2.4G cc	ontinuous	sly transmi	tting mode	62.
lest mode.	(hopping) with	GFSK modu	ılation.	6	abot ^{er}	AUBO	In the second	1/6

6.2. Test Setup



6.3. Test Data

Temperature: 25.6 °C Humidity: 42 % Atn	mospheric Pressure: 101 kPa
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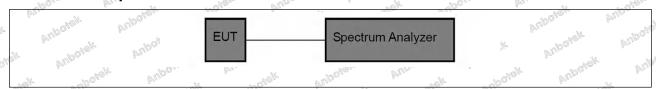
7. Number of Hopping Frequencies

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Anborek Test Limit: anborek 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
Anborek	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 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time.
tek Amborek Anborek Doorek Anborek Amborek Anborek Anborek	e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. 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

	M. Lado			- 60 V	- W	0.cs/(C) *	(37 ₀ .	
016	Operating Envir	onment:	Pupo,	Par.	Vupote.	Andrew	A Cipolisik	Pug
N _{DA}	Test mode:	2: TX (Hopping (hopping) with			4G continuo	usly transmitt	ing mode	9.0

7.2. Test Setup



7.3. Test Data

Temr	perature:	25.6°	C Mulpa	Humidity	42 %	Atmospheric	c Pressure:	101 kPa	0.0
ICITIE	ociataic.	20.0		i furrificity.	TZ /0 %	/ turiospiicin	or resoure.	IUIKFA	10%







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8. Dwell Time

out of the same of	Though William Carles Though The Man T
Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit: Anborek 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 7.8.4 KDB 558074 D01 15.247 Meas Guidance v05r02
Anborek Anborek Anborek Anborek	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.
Anborek Anborek Anborek Anborek Anborek Anborek	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.
Anbores 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
anborek Anborek Arborek	for 1, 3 or 5 time slots) then measurements can be limited to the longest dwell time with the minimum number of channels. Use the following spectrum analyzer settings to determine the dwell time per hop:
Anbotek Anbotek	 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
Anbotek Anbotek	be slightly longer than the hopping period per channel (hopping period = 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
Anbotek Anbotek Anbotek Anbote	to reduce the chance of triggering when the system hops on an adjacent 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









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> 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.

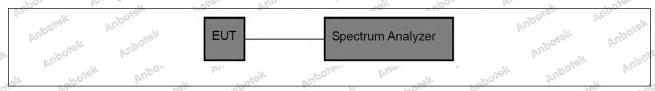
The average number of hops on the same channel within the regulatory observation period is calculated from the number of hops on the channel divided by the spectrum analyzer sweep time multiplied by the regulatory observation period. For example, if three hops are counted with an analyzer sweep time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

9/6	Operating Envir	onment:	W.poss	Piles.	Aupola	Vulger,	VU DOJAK	Pupo
_p C	Test mode:	2: TX (Hoppi (hopping) with		e EUT in SRD dulation.	2.4G continu	lously transn	nitting mode	b _k

8.2. Test Setup



8.3. Test Data

98		-8° . 40°	- NA	1-0V	784	- 0P
- 1	Temperature:	25.6 °C	Humidity	42 %	Atmospheric Pressure:	101 kPa
- 1	remperature.	23.0 C	Humidity:	42 70	Aunosphenc Flessule.	IUIKFa
L	600 . Bu		2 M2	- Allen	100	The same







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9. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Anborett Anborett	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
Wupase. Wur	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
ak Anbore An	the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter
Test Limit:	demonstrates compliance with the peak conducted power limits. If the
Upotek Wupote	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
Pri. Wpotek Vupoter	this section, the attenuation required under this paragraph shall be 30 dB
VUPOLOF	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
John Miles	7.8.7.1 General considerations
Anboron Anboro	To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the
Anboren Anber	transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers.
Amborok Ambor	Frequency hopping shall be disabled for this test with the exception of measurements at the allocated band-edges which shall be repeated with
k anbotek Anbe	hopping enabled.
Tok Spojok	Connect the primary antenna port through an attenuator to the spectrum
On Maria	analyzer input; in the results, account for all losses between the unlicensed
Whole Wille	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
Aupologo Aupo	be done in a single sweep or, to aid resolution, across a number of sweeps.
Aupotolk Aupo	The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a
r upojek Mupo	coupled sweep time with a peak detector.
Procedure:	The limit is based on the highest in-band level across all channels measured
Mecocari Chin	using the same instrument settings (resolution bandwidth of 100 kHz, video
upo _{ter} vok	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
Vupolek Vupo.	required offset (typically 20 dB) below the highest in-band level. Where the
abotek Anbores	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
bu. Pupoisk bupos	provided.
We work ou	When conducted measurements cannot be made (for example a device with
W. W. W.	integrated, non-removable antenna) radiated measurements shall be used.
ipotek Aupo.	The reference level for determining the limit shall be established by
abotok Anboto	maximizing the field strength from the highest power channel and measuring using the resolution and video bandwidth settings and peak detector as
Wind Windship	described above. The field strength limit for spurious emissions outside of
William Profit	restricted-bands shall then be set at the required offset (typically 20 dB)
-30"	below the highest in-band level. Radiated measurements will follow the







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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.

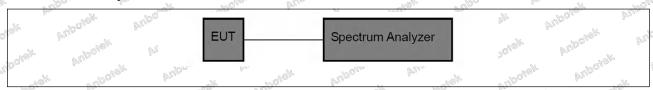
9.1. EUT Operation

Operating Environment:

Test mode:

- 1: TX (Non-Hopping): Keep the EUT in SRD 2.4G continuously transmitting mode (non-hopping) with GFSK modulation.
- 2: TX (Hopping): Keep the EUT in SRD 2.4G continuously transmitting mode (hopping) with GFSK modulation.

9.2. Test Setup



9.3. Test Data

 Temperature:	25.6 °C	Humid	ity: 42 %	At	mospheric Pressu	re: 101 kPa	à
10/4 4	- 67	2000	0.0	. 637	10/1/4	V-100/A	







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10. Band edge emissions (Radiated)

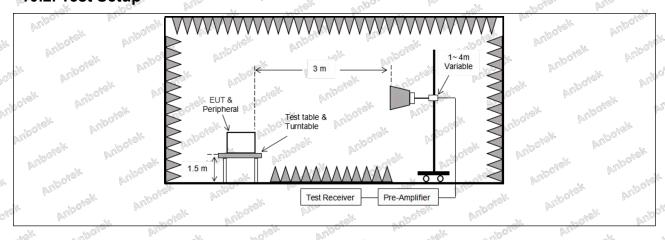
COLOR PROPERTY.	PULL PULL	-118 P	WO10					
Test Requirement:	restricted bands, as defined	In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	ly with the					
ok Vilpalek Vilpal	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
one Aligoreth	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300					
Wupper Wupperer	1.705-30.0	30	30					
William William William	88-216	100 ** 150 **	3					
k hotek Anbote	216-960	200 ***	3,000					
Test Limit:		500 ragraph (g), fundamental emissi ng under this section shall not b	ons from					
Upotek Vupotek		z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241.						
Anbotek Anbore	The emission limits shown	e, the tighter limit applies at the b in the above table are based on peak detector except for the freq	measurements					
lek Aupotek Aup	employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.							
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ak Auponak					
Procedure:	ANSI C63.10-2020 section	6.10.5.2	or or order					

10.1. EUT Operation

o ³	Operating Environment:	Alek-	Anbohe.	Ville
ı	- TV 4	3	1	

1: TX (Non-Hopping): Keep the EUT in SRD 2.4G continuously transmitting mode Test mode: (non-hopping) with GFSK modulation.

10.2. Test Setup







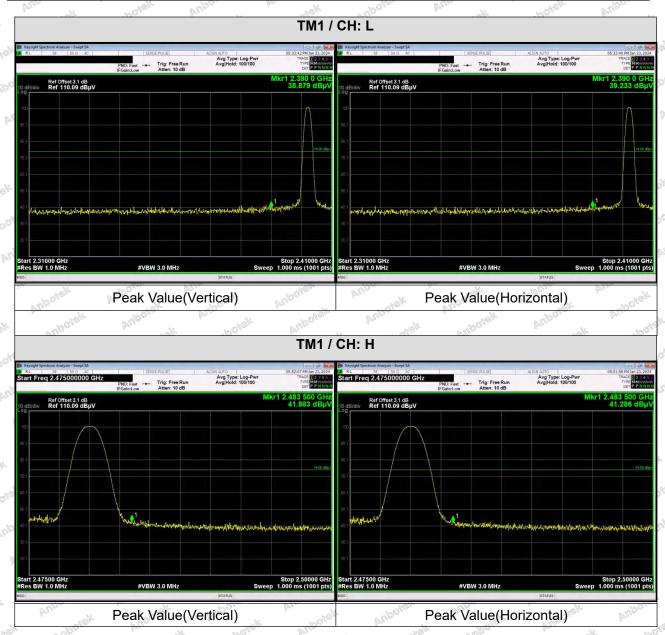


Pupojek

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10.3. Test Data

Temperature: 25.6 °C Humidity: 42 % Atmospheric Pressure: 101 kPa



Note: 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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11. Emissions in frequency bands (below 1GHz)

	Defer to 47 CED 15 247(d)	, In addition, radiated emission	a which fall in the
Test Requirement:		d in § 15.205(a), must also con	
And And		ecified in § 15.209(a)(see § 15	
Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
And all	0.009-0.490	2400/F(kHz)	300
ofek Anbore	0.490-1.705	24000/F(kHz)	30
all motels	1.705-30.0	30	30
Aupole Aur	30-88	100 **	3.4
botok Pupo,	88-216	150 **	3
Wun upole	216-960	200 **	3 bottom And
Anbore All	Above 960	500	3
otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	frequency bands 54-72 MH However, operation within the sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasing 90 kHz, 110–490 kHz and at these three bands are based detector.	e, the tighter limit applies at the in the above table are based on the above table are based on the free above 1000 MHz. Radiated emed on measurements employing	or 470-806 MHz. itted under other band edges. on measurements equency bands 9— hission limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M	V C.//	otek Aupote
Upo. Bi.			-ak abolio

11.1. EUT Operation

o ³	Operating Envir	onment:	VUPOLSE	Anbe		-Yefoot	Aupone	Dy.	olek.	20
	Test mode:	1: TX (Non-Ho	1/2///			.4G co	ntinuously	transmi	tting mode	- Pro
30	ogode iniday.	(non-hopping)	with GFSK r	nodulation.	S _A .	Vulp.	- P	-Vo.	- Palpolio	





Anborek

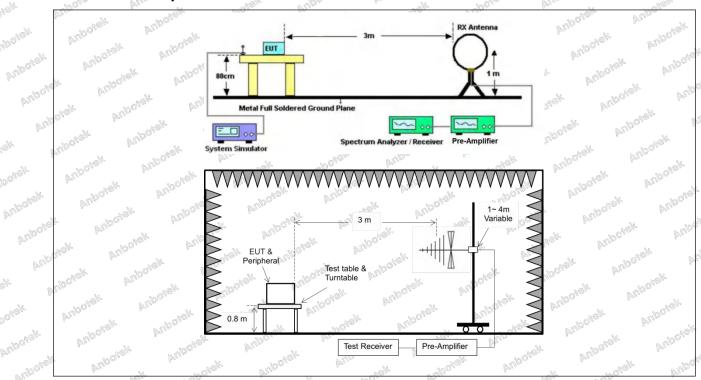
Pupo, sk

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Anbotek

A.Nboth

11.2. Test Setup



Anborek



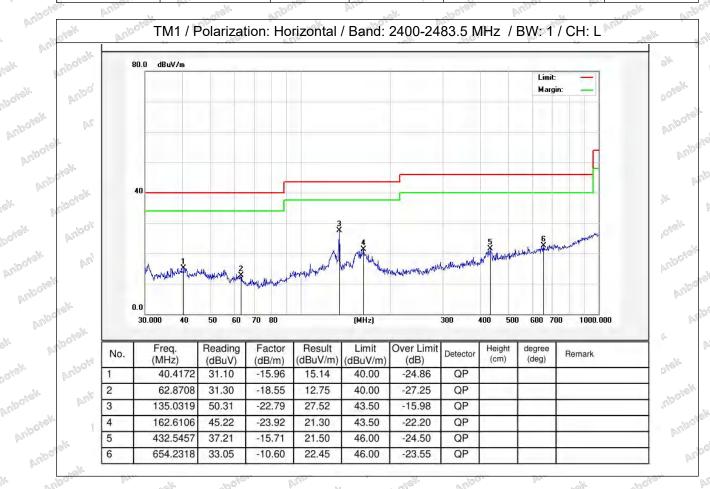


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11.3. Test Data

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

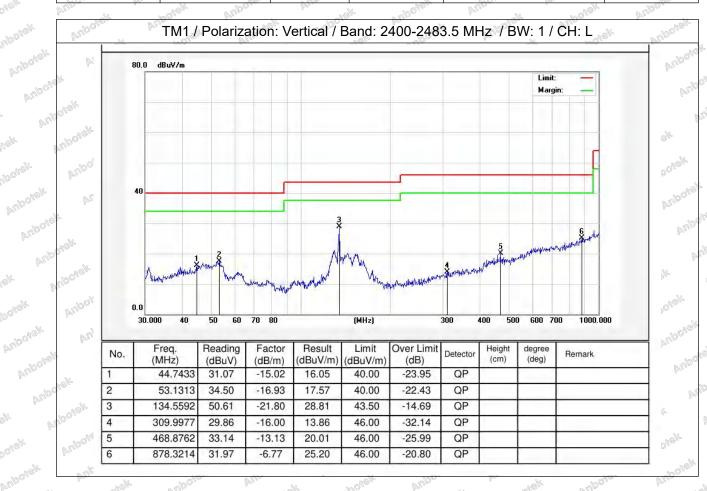
Temperature:	25.6 °C	Humidity:	42 %	Atmospheric I	Pressure: 1	01 kPa
260	V (U/2)		0.00(1)	1960	100° - 00°	





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Temperature: 25.6 °C Humidity: 42 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.





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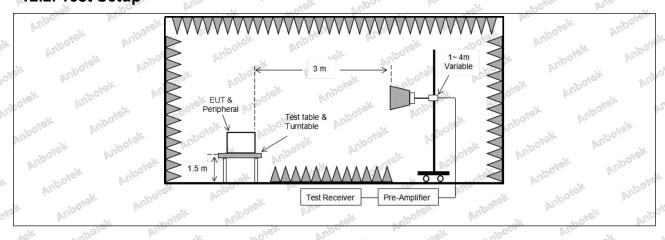
12. Emissions in frequency bands (above 1GHz)

M 1-01			- 100
Test Requirement:		ions which fall in the restricted b omply with the radiated emissio	
Anboron Anboro	in § 15.209(a)(see § 15.209		Annua Specifica
Spojek Vupos	Frequency (MHz)	Field strength	Measurement
lak yupotak Vu	ores and hotek Andr	(microvolts/meter)	distance (meters)
- Problem	0.009-0.490	2400/F(kHz)	300
Ocher Vun	0.490-1.705	24000/F(kHz)	30
Will Will boye.	1.705-30.0	30	30
Aug of work	30-88	100 **	3,014
Anbore, Ans	88-216 Anison	150 **	3
Pulpone	216-960	200 ***	3 porter
Test Limit:	Above 960	│ 500 aragraph (g), fundamental emiss	3
anbotek Anbotek	frequency bands 54-72 MH	ing under this section shall not l dz, 76-88 MHz, 174-216 MHz or these frequency bands is permi § 15.231 and 15.241.	470-806 MHz.
Anbotek Anbote	In the emission table above The emission limits shown	e, the tighter limit applies at the in the above table are based or	n measurements
Anbotek Anbotek Anbotek Anbotek	In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a these three bands are base	e, the tighter limit applies at the	n measurements quency bands 9– ssion limits in
Anborek Anborek Anborek Anborek Anborek	In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and	e, the tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emied on measurements employing 6.6.4	n measurements quency bands 9– ssion limits in

12.1. EUT Operation

Operating Envir	onment:	Vipoles	Andre	100%	of Anipor	. Bu	Net C	0.0
Test mode:	1: TX (Non-Ho	pping): Kee	p the EUT in	SRD 2.4G	continuous	y transmitt	ing mode)
Test mode.	(non-honning)	with CESK	modulation -	1/2 Va.	201 - PII.	5.4	1. U/S/2.	

12.2. Test Setup









W. potek

Pupolisk

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12.3. Test Data

Temperature: 25.6 °C Humidity: 42 % Atmospheric Pressure: 101 kPa

Anbore

VU.	LOTE ATIO	200	Tok Vupoje	Wille	alk to the last	Vupo,
		-	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	30.90	15.27	46.17	74.00	-27.83	Vertical
7206.00	31.97	18.09	50.06	74.00	-23.94	Vertical
9608.00	33.61	23.76	57.37	74.00	-16.63	Vertical
12010.00	Anbore * Af	age.	abotek Anb	74.00	otok vupo _{ts}	Vertical
14412.00	VUpc *Sh	Aribo	HOLON.	74.00	and Man	Vertical
4804.00	31.23	15.27	46.50	74.00	-27.50	Horizontal
7206.00	31.80	18.09	49.89	74.00	-24.11	Horizontal
9608.00	30.25	23.76	54.01	74.00	-19.99	Horizontal
12010.00	otek * Mope.	alk ho	iek Wipose	74.00	k abolek	Horizontal
14412.00	toolek*	DOLO.	otok anbo	74.00	10010	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	20.28	15.27	35.55	54.00	-18.45	Vertical
7206.00	21.00	18.09	39.09	54.00	-14.91	Vertical
9608.00	22.63	23.76	46.39	54.00	-7.61	Vertical
12010.00		Yupoten Vu		54.00	by.	Vertical Vertical
14412.00	And *	anboilelie.	Wipo.	54.00	Pur	Vertical
4804.00	19.58	15.27	34.85	54.00	-19.15	Horizontal
7206.00	20.86	18.09	38.95	54.00	-15.05	Horizontal
9608.00	19.56	23.76	43.32	54.00	-10.68	Horizontal
12010.00	* *	otek Wood	The state	54.00	VUD.	Horizontal
14412.00	*	rotek But	William William	54.00	Ole Vulgar	Horizontal



Anbotek



Aupotsk

potek

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Anboro	Pr.	Vilpoker.	VUD.	hotel.	Anbors	
			ГМ1 / CH: M			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	30.92	15.42	46.34	74.00	-27.66	Vertical
7323.00	31.82	18.02	49.84	74.00	-24.16	Vertical
9764.00	32.62	23.80	56.42	74.00	-17.58	Vertical
12205.00	* " " " " " " " " " " " " " " " " " " "	Anton	ASTONE IN CONTRACT	74.00	Andr	Vertical
14646.00	*	lek Wpose	ATTE	74.00	Puloe	Vertical
4882.00	30.93	15.42	46.35	74.00	-27.65	Horizontal
7323.00	31.79	18.02	49.81	74.00	-24.19	Horizontal
9764.00	29.95	23.80	53.75	74.00	-20.25	Horizontal
12205.00	* hotel	Wupoug.	Visa siek	74.00	Pupa, by	Horizontal
14646.00	A. A. Sight	W. Lipolole	Vupa,	74.00	Anbore	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	20.01	15.42	35.43	54.00	-18.57	Vertical
7323.00	21.10	18.02	39.12	54.00	-14.88	Vertical
9764.00	22.49	23.80	46.29	54.00	-7.71	Vertical
12205.00	# #nbon	N Disk	W. Lipoten	54.00	Merode	Vertical
14646.00	olek * Mpoli	W.U.R.	ek Spojek	54.00	20tek	Vertical
4882.00	19.49	15.42	34.91	54.00	-19.09	Horizontal
7323.00	20.42	18.02	38.44	54.00	-15.56	Horizontal
9764.00	20.07	23.80	43.87	54.00	10.13 prof	Horizontal
12205.00	WUPA Lan	Pluga Self	aborek	54.00	a Aston	Horizontal
14646.00	* *******	Vupa,	Profession of the Profession o	54.00	PUP.	Horizontal

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		•	ГМ1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	31.19	15.58	46.77	74.00	-27.23	Vertical
7440.00	31.83	17.93	49.76	74.00	-24.24	Vertical
9920.00	33.17	23.83	57.00	74.00	-17.00	Vertical
12400.00	*	WUPQ46	W. B.	74.00	Anbor	Vertical
14880.00	* 200	iek vopotei	. Anbo.	74.00	Anbore	Vertical
4960.00	31.00	15.58	46.58	74.00	-27.42	Horizontal
7440.00	31.82	17.93	49.75	74.00	-24.25	Horizontal
9920.00	30.63	23.83	54.46	74.00	-19.54	Horizontal
12400.00	**************************************	abotell.	Vupo,	74.00	PUPOSS. PUP	Horizontal
14880.00	May Out	120/2k	Wildelier	74.00	"Upoleje	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	21.13	15.58	36.71	54.00	-17.29	Vertical
7440.00	22.11	17.93	40.04	54.00	13.96 And	Vertical
9920.00	23.04	23.83	46.87	54.00	-7.13	Vertical
12400.00	M * MOGGIN	Aupo,	potek.	54.00	Vien	Vertical
14880.00	*	ok Aupolos	View Stelk	54.00	Vulpo.	Vertical
4960.00	20.93	15.58 NOOT	36.51	54.00	-17.49	Horizontal
7440.00	21.79	17.93	39.72 M	54.00	-14.28	Horizontal
9920.00	19.97	23.83	43.80	54.00	-10.20	Horizontal
12400.00	* 10%	Aribores	Ville Stell	54.00	Par. Br.	Horizontal
14880 00	Vu*	10018 P	VUDO.	54 00	oupoles b	Horizontal

Remark:

- 1. Result =Reading + Factor
- "*" 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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APPENDIX I -- TEST SETUP PHOTOGRAPH

Conducted Emission at AC power line



Emissions in frequency bands (below 1GHz)



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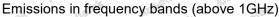
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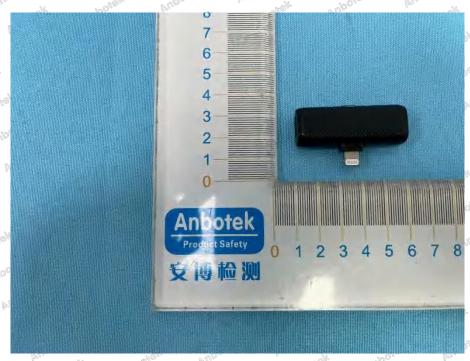


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APPENDIX II -- EXTERNAL PHOTOGRAPH





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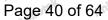
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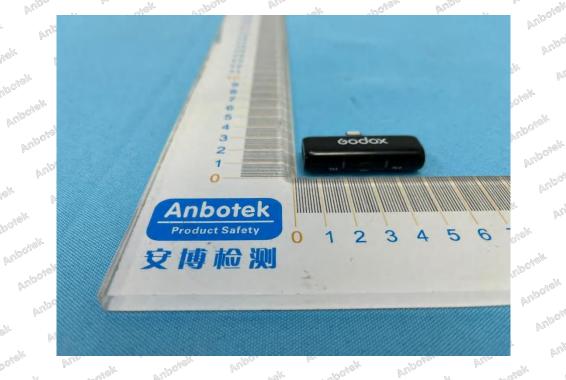
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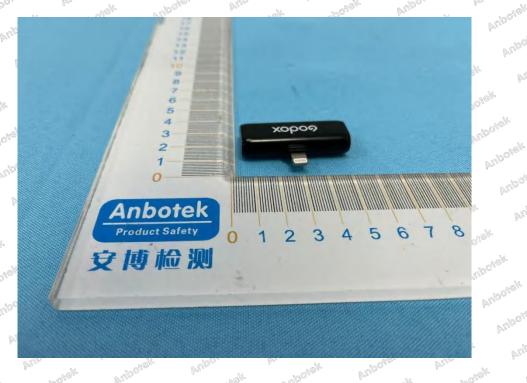
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APPENDIX III -- INTERNAL PHOTOGRAPH









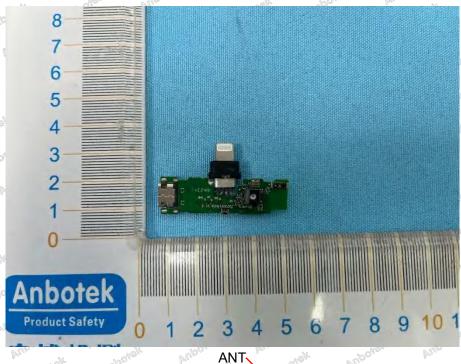


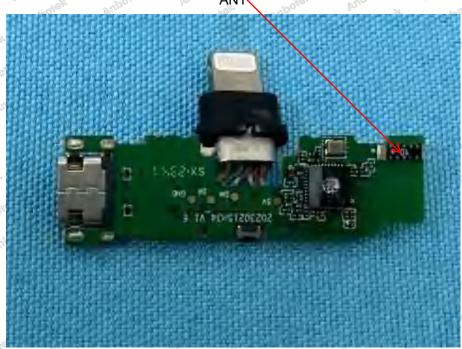


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Appendix Test Data

Report No.:	18220WC30248001	Test Sample No.:	1-2-2
Start Test Date:	2024.1.23	Finish Test Date:	2024.1.23
Test Engineer:	Hayman Chen	Auditor:	Rick his
Temperature:	25.6°C	Relative Humidity:	42% ribores Anibo
Pressure:	101kPa	lk vupojsk vupoj	ok Andore but

Appendix A: 20dB Emission Bandwidth

Test Result

	TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ī	80000	lays.	2402	0.963	2401.529	2402.492	-34	~ ^{po} oț _s ,
0.0	2.4G	Ant1	2441	0.936	2440.541	2441.477	1000	N
3000	anbo	Sec.	2480	0.954	2479 529	2480 483		P00/C

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Appendix B: Occupied Channel Bandwidth

Test Result

	TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ı	Pro-	de de	2402	0.86287	2401.5678	2402.4307	"Polle	Din-
NE	2.4G	Ant1	2441	0.87343	2440.5629	2441.4364	»o/-	100/d
	V -	Mek .	2480	0.87654	2479.5641	2480.4406	V-400,	1000

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Appendix C: Maximum conducted output power

Test Result Peak

	Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
	is the contract of the contrac	MUDO	2402	1.06	≤20.97	PASS
74 ⁽⁶⁾	2.4G	Ant1	2441	0.52	≤20.97	PASS
	ingly abolies	William	2480	-2.77	≤20.97	PASS

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Appendix D: Carrier frequency separation

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Test Result

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TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Нор	1.006	≥0.963	PASS

Test Graphs







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Appendix E: Time of occupancy

Test Result

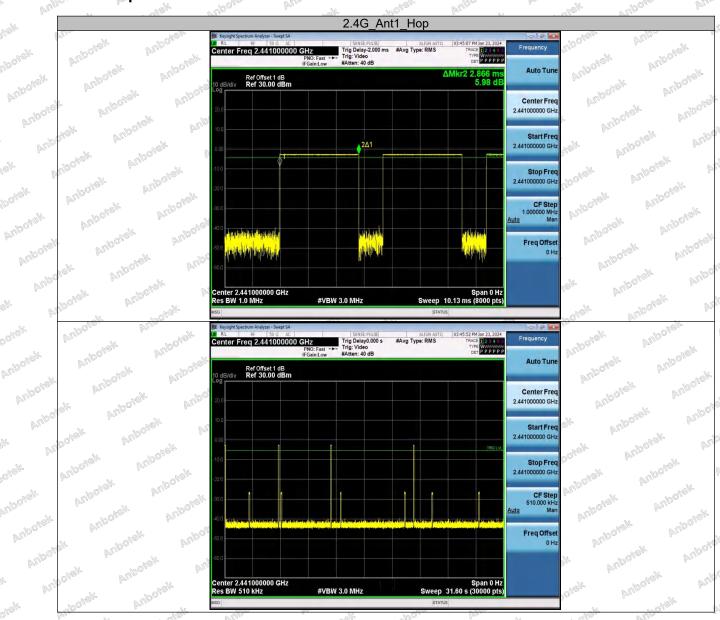
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TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Нор	2.866	4	0.011	≤0.4	PASS

Test Graphs









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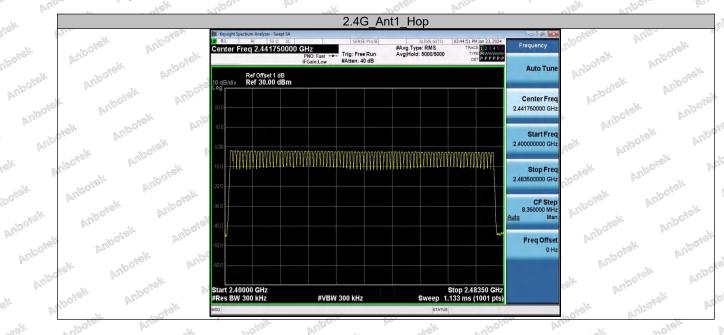
Appendix F: Number of hopping channels

Test Result

	TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
0	2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs

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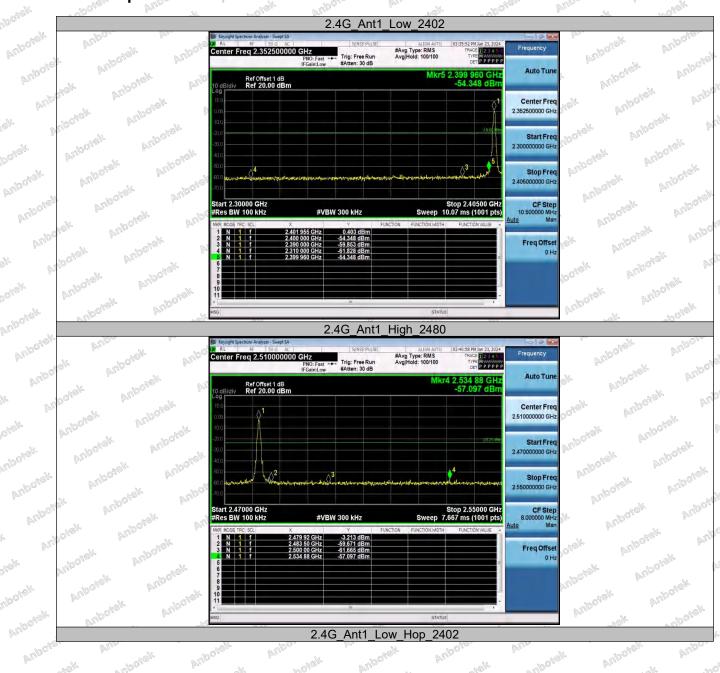
Appendix G: Band edge measurements

Test Result

	TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
	ر برو ^{از (}	K ANDO	Low	2402	0.40	-54.35	≤-19.6	PASS
(8)	2.4G	- Ant1	High	2480	-3.21	÷57.1	≤-23.21	PASS
	2.40	Was Allei	Low	Hop_2402	-2.12	-57.56	≤-22.12	PASS
0	250 BY110	- 46 -	High	Hop_2480	-3.12	-56.46	≤-23.12	PASS

Test Graphs

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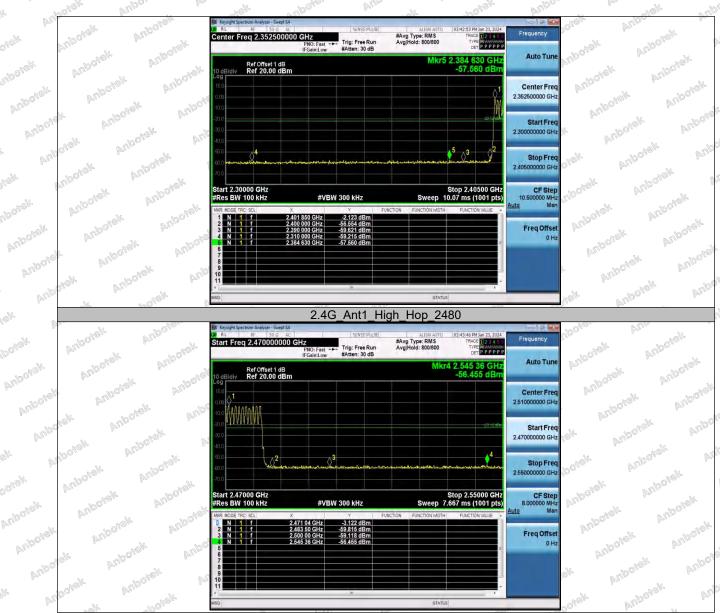
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Appendix H: Conducted Spurious Emission

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Test Result

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	Villa		(b)(0)(1)	A	1-0/10		-01	
	TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
	r ~04	O. W. William	- W	Reference	0.10	0.10	MUDO	PASS
Ç/E	And	- 14-	2402	30~1000	0.10	-68.49	≤-19.9	PASS
	No.	o _{fer}	Who is	1000~26500	0.10	-32.43	≤-19.9	PASS
10	0,0	40-	"POLONO WALL	Reference	-0.04	-0.04	⁷⁰ 04 _{6,c}	PASS
	2.4G	Ant1	2441	30~1000	-0.04	-69.51	≤-20.04	PASS
8	Nipo.	of of	anbore.	1000~26500	-0.04	-34.3	≤-20.04	PASS
	VOIGH	PUDO.	No.	Reference	-3.86	-3.86		PASS
	PU.P.	le formation	2480	30~1000	3.86 M	-69.8	≤-23.86	PASS
	"POGIE"	VILLO C	48%	1000~26500	-3.86	-37.37	≤-23.86	PASS

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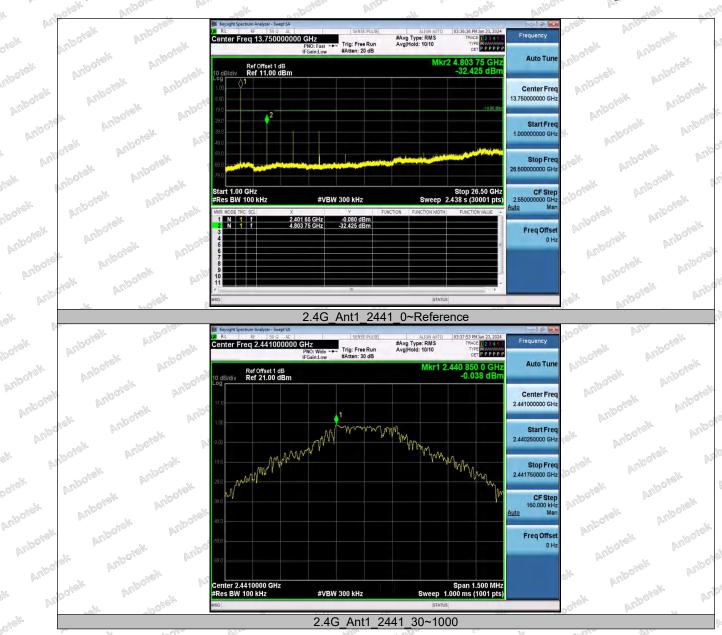
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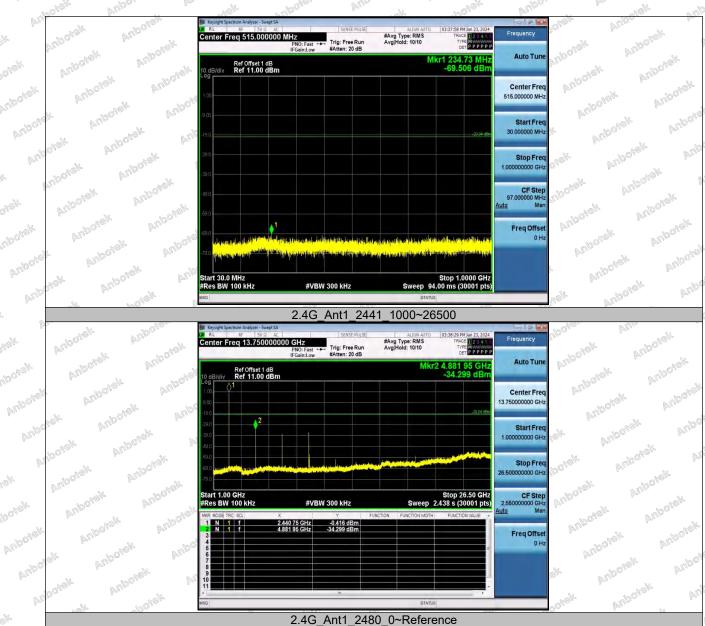
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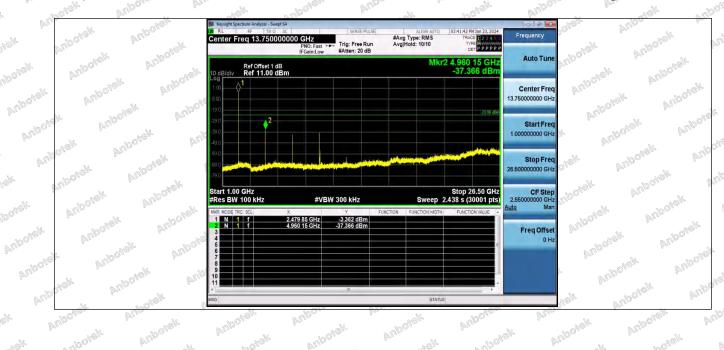
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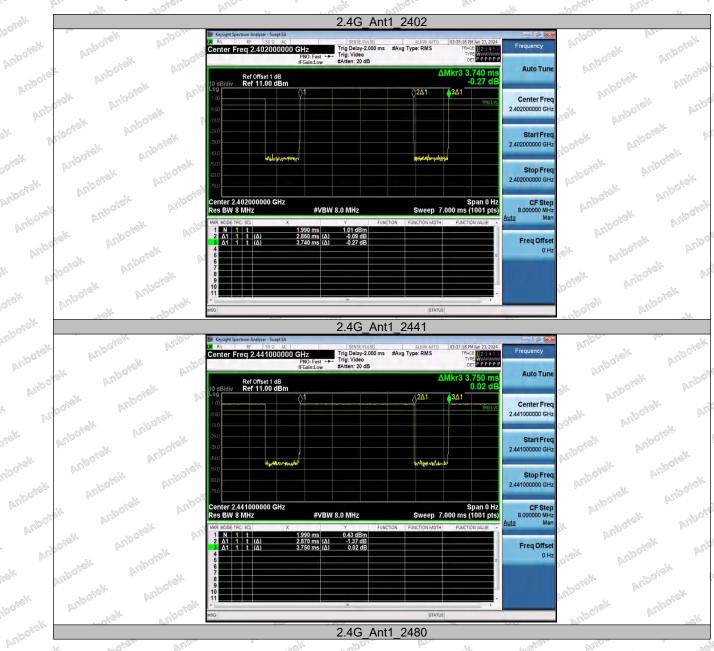
Appendix I: Duty Cycle

Test Result

					A			
TestMode		Antenna	Frequency[M	ON Time	Period	Duty Cycle	Duty Cycle	
	restiviode	Antenna	Hz]	[ms]	[ms]	[%]	Factor[dB]	
o le	lk sholie	And	2402	2.86	3.74	76.47	1.17	9.0
le.	2.4G	Ant1	2441	2.87	3.75	76.53	1.16	Br.
	das Ver	O'S	2480	2.86	3.74	76.47	1.17	
U.	D. hw.	No.	Vipoles, Vi	alk.	MOJON	Anbo	"Yek "C	^{[0} 0
	T-21 0	700.	Bro.	~048, V	1800	No.	Plan. hr.	

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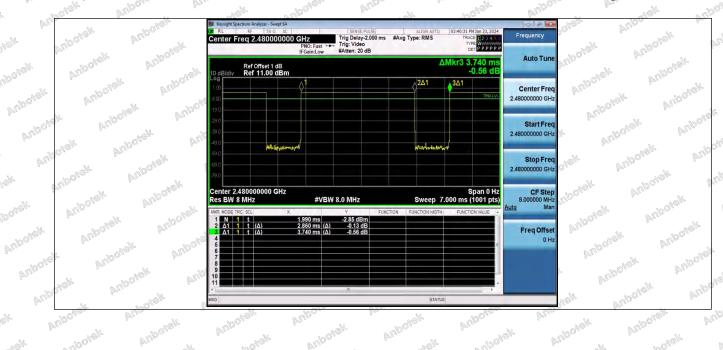
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