

Report No .: FCC ID: OKUJC8918 18220WC30178901 Page 1 of 38

# **FCC Test Report**

Applicant	: Shenzhen Junlan Electronic Ltd
Address	No.277 PingKui Road, Shijing Community, : Pingshan Street, Pingshan New District, Shenzhen, China
Product Name	: 8-IN-1 WOOD MUSIC CENTER

**Report Date** 

# : Sept. 21, 2023



## Shenzhen Anbotek Compliance Laboratory Limited

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





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Report No.: 18220	WC30178901	FCC ID: OKUJC891	8 P
Anbotek Anbotek A	TES	T REPORT	
Applicant	: Shenzhen Junlan	Electronic Ltd	
Manufacturer	: Shenzhen Junlan	Electronic Ltd	
Product Name	: 8-IN-1 WOOD MU	JSIC CENTER	
Test Model No.	: VWRP-3600		
Reference Model No.		8600-GR,VWRP-3600-MH,VV VWRP-YYYY-XX,NWRP-YYY VWRP-3600-XX	
Trade Mark	: VICTOR, NAXA,	EMERSON	
Rating(s)	: Input: 9V 1.5A		
Test Standard(s)	47 CFR Part 15.2	247 botek Anboten	

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with above listed standard(s) requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt:

Date of Test:

Prepared By:

Aug. 22, 2023

Aug. 22, 2023 to Sept. 13, 2023

tella Zhu

(Stella Zhu)

bolward pan

(Edward Pan)

Approved & Authorized Signer:

## Shenzhen Anbotek Compliance Laboratory Limited

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# **Revision History**

Report Vers		Description	Issued Date					
R00	otek Ant	otek	Original Issue.	Anbotek	Anbore	Sept. 2	1, 2023	Anbore
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on Annotek	Anboten	Anburbote	K Anbotek	Anbor	otek A'	anbotek	Anboren	ek.

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## FCC ID: OKUJC8918

# **1. General Information**

# 1.1. Client Information

Applicant	:	Shenzhen Junlan Electronic Ltd
Address	:	No.277 PingKui Road, Shijing Community, Pingshan Street, Pingshan New District, Shenzhen, China
Manufacturer	:	Shenzhen Junlan Electronic Ltd
Address	:	No.277 PingKui Road, Shijing Community, Pingshan Street, Pingshan New District, Shenzhen, China
Factory	:	Shenzhen Junlan Electronic Ltd
Address	:	No.277 PingKui Road, Shijing Community, Pingshan Street, Pingshan New District, Shenzhen, China

# 1.2. Description of Device (EUT)

Product Name	:	8-IN-1 WOOD MUSIC CENTER
Test Model No.	:	VWRP-3600
Reference Model No.	:	JC-8918,VWRP-3600-GR,VWRP-3600-MH,VWRP-3600-ES, VWRP-3600-CH,VWRP-YYYY-XX, NWRP-YYYY-XX, EWRP-YYYY-XX, VWRP-3600-XX (Note:XX means unit color, it can be A to Z or N/A,YYYY means unit model, it can be A to Z or 0-9. All samples are the same except the model number and appearance color, so we prepare "VWRP-3600" for test only.)
Trade Mark	:	VICTOR, NAXA, EMERSON
Test Power Supply	:	AC 120V, 60Hz for adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	Model: GKYZB0150090UL Input: 100-240V~50/60Hz 0.5A Max Output: 9V 1500mA
<b>RF Specification</b>		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	79 channels
Modulation Type	:	GFSK, π/4 DQPSK, 8DPSK
Antenna type	:	PCB Antenna
Antenna Gain(Peak)	:	-0.58 dBi hotek Andrea Andrea Andrea

(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

1.5. Auxiliary	in. N	botek	Aupo	A. stek			
Title		Manufactu	urer	Mod	el No.	Ser	rial No.
All abotek /	Anboten	Andhorek	Anbotek	Pupo.	An obotek	Anbote	I AND LOTE

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# 1.4. Description of Test Modes

Pretest Modes	Descriptions
Anbotek TM1nboten A	Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation.
Anbotek TM2 Anbo	Keep the EUT in continuously transmitting mode (non-hopping) with $\pi/4$ -DQPSK modulation.
otek Anborek Anborek	Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.
nboten TM4 ek Anbo	Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.
Anborek TM5.botek A	Keep the EUT in continuously transmitting mode (hopping) with $π/4$ -DQPSK modulation.
Anborek TM6 Anborek	Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

## 1.5. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dBorek Anborek Anborek Anborek
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 e This uncertainty represents an expanded uncerta confidence level using a coverage factor of k=2.	

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# 1.6. Test Summary

Test Items	Test Modes	Status
Antenna requirement	An Anbotek Anboten	P
Conducted Emission at AC power line	Mode1,2,3	PAND
Occupied Bandwidth	Mode1,2,3	P
Maximum Conducted Output Power	Mode1,2,3	nborn P.
Channel Separation	Mode4,5,6	Anbon P
Number of Hopping Frequencies	Mode4,5,6	P P
Dwell Time	Mode4,5,6	Panbo
Emissions in non-restricted frequency bands	Mode1,2,3,4,5,6	PAT
Band edge emissions (Radiated)	Mode1,2,3	Thore P
Emissions in frequency bands (below 1GHz)	Mode1,2,3	Anbore P
Emissions in frequency bands (above 1GHz)	Mode1,2,3	ArP
Note: P: Pass	Anbotek Anbotek	Aupor

N: N/A, not applicable

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## 1.7. Description of Test Facility

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

#### FCC-Registration No.:184111

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. 184111.

#### **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.518128

## 1.8. 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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# 1.9. Test Equipment List

Conducted Emission at AC power line

00	i pri	note. Any	.0	× 200'	Pr. V	L O <sup>ter</sup>
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2022-10-23	2023-10-22
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2022-10-13	2023-10-12
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A Anbo	rek / Anborek	Anboisek ak abotek
	Toda Mar	p	Non Nup		od As	br.

Occupied Bandwidth Maximum Conducted Output Power Channel Separation Number of Hopping Frequencies Dwell Time Emissions in non-restricted frequency bands

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	MXG RF Vector Signal Generator	Agilent	N5182A	MY481806 56	2022-10-13	2023-10-12
2	Power Meter	Agilent	N1914A	MY500011 02	2022-10-26	2023-10-25
3	DC Power Supply	IVYTECH	IV3605	1804D360 510	2022-10-22	2023-10-21
Anbu 4	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-02-23	2024-02-22
5	Oscilloscope	Tektronix	MDO3012	C020298	2022-10-19	2023-10-18

	edge emissions (Ra sions in frequency ba		Anbotek	Anboten	unbotek	Anbotek Anb
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
Anbo	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2022-10-23	2023-10-22
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2022-10-13	2023-10-12
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
o <sup>.</sup> *4	EMI Test Software EZ-EMC	SHURPLE	MANA	N/A	Anboten A	Noobotek A
nb5tek	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2022-10-23	2023-10-22
600	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
7 20	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

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# Report No.: 18220WC30178901 FCC ID: OKUJC8918 Page 12 of 38 Emissions in frequency bands (below 1GHz) Emissions in frequency bands (below 1GHz) Emissions in frequency bands (below 1GHz)

Equipment	And Manufactures tek	-70v	DV.	1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 - 1975 -	
• P.•	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2022-10-23	2023-10-22
Pre-amplifier	SONOMA	o <sup>otel</sup> 310N <sup>MND</sup>	186860	2022-10-23	2023-10-22
Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Anboren	Ano
	Pre-amplifier Bilog Broadband Antenna EMI Test Software	Pre-amplifierSONOMABilog Broadband AntennaSchwarzbeckEMI Test SoftwareSHURPLE	Pre-amplifier     SONOMA     310N       Bilog Broadband Antenna     Schwarzbeck     VULB9163       EMI Test Software     SHURPLE     N/A	Pre-amplifier     SONOMA     310N     186860       Bilog Broadband Antenna     Schwarzbeck     VULB9163     345       EMI Test Software     SHURPLE     N/A     N/A	Pre-amplifierSONOMA310N1868602022-10-23Bilog Broadband AntennaSchwarzbeckVULB91633452022-10-23EMI Test SoftwareSHURPLEN/A//A//A

## Shenzhen Anbotek Compliance Laboratory Limited

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# 2. Antenna requirement

botek Anbo.	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to
And k otek	ensure that no antenna other than that furnished by the responsible party
Test Requirement:	shall be used with the device. The use of a permanently attached antenna or
A. tek anbot	of an antenna that uses a unique coupling to the intentional radiator shall be
K Anbo, An	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 -0.58 dBi . It complies with the standard requirement.

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# 3. Conducted Emission at AC power line

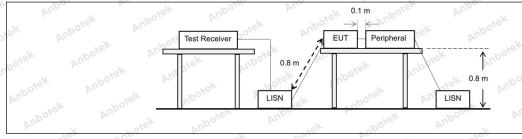
Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the r back onto the AC power line on ar band 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms (LISN).	that is designed to be con adio frequency voltage that ny frequency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

# 3.1. EUT Operation

## **Operating Environment:**

Anbor	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-
tek nboten	hopping) with GFSK modulation.
Test mode:	2: TX-π/4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode
Test mode.	(non-hopping) with $\pi/4$ -DQPSK modulation.
de Mer	3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-
Anbo, Ar.	hopping) with 8DPSK modulation.

## 3.2. Test Setup



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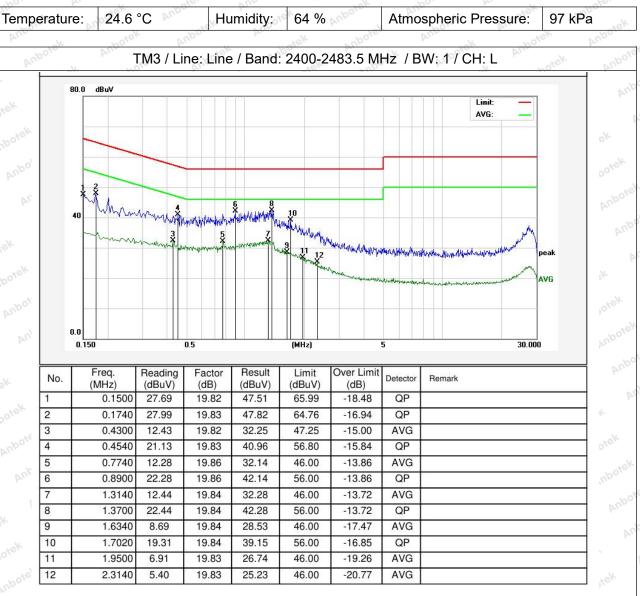




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## 3.3. Test Data

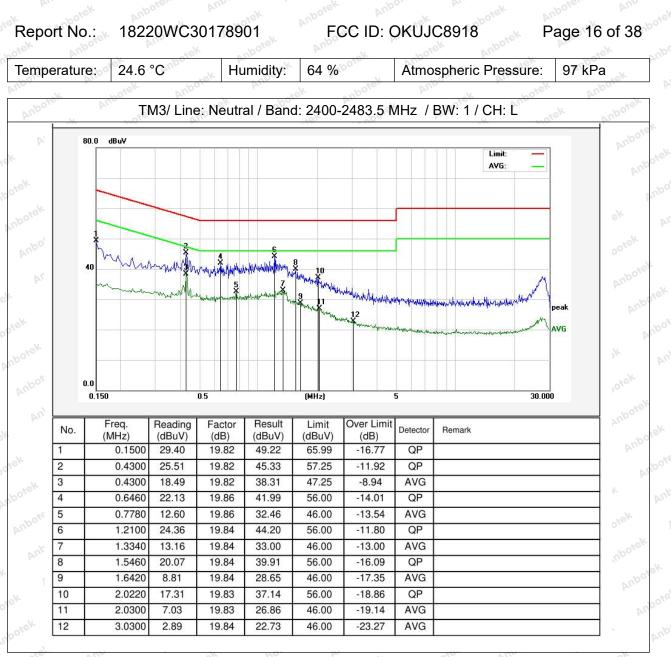


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Note:Only record the worst data in the report.

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Anbotek Product Safety

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# 4. Occupied Bandwidth

Test Requirement:	47 CFR 15.215(c)
Test Limit:	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.
Anborek Anborek Anbore	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:
nbotek Anbotek Anbotek Anbotek	<ul> <li>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.</li> <li>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</li> </ul>
Annotek Anbotek Anbote tek Anbotek Anbo	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 general, the peak of the spectral envelope shall be more than [10 log
Procedure:	<ul> <li>(OBW/RBW)] below the reference level. Specific guidance is given in 4.1.6.2.</li> <li>d) Step a) through step c) might require iteration to adjust within the specified range.</li> <li>a) Vibra provide a set operative d. Wibra provided a set of the set of</li></ul>
ek Anbotek Anbotek Anbotek	<ul> <li>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.</li> <li>f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.</li> </ul>
potek Anbort Al Anbotek Anbotek	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
Anbotek Anbotek Anbotek Anbotek Anbotek	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
potek Anbotek An	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

Antotek	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non- hopping) with GFSK modulation.					
Test mode: 2: TX- $\pi/4$ -DQPSK (Non-Hopping): Keep the EUT in continuously transmitting (non-hopping) with $\pi/4$ -DQPSK modulation. 3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting						
	hopping) with 8DPSK modulation.					

## 4.2. Test Setup

		EUT	9 70 N	Spectru	ım Analyzer	
		Ann		abotek	Anbu-	- pr.
Data	anbotek	Anbr		p	Anbore.	r Vu

## 4.3. Test Data

Temperature: 25.	4 °C Humidity:	48 %	Atmospheric Pressure:	102 kPa
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nbotek

Please Refer to Appendix for Details.

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1. Ser Hotline 400-003-0500 www.anbotek.com.cn





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# 5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(1)
Anborek 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
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	<ul> <li>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:</li> <li>a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.</li> <li>b) RBW &gt; 20 dB bandwidth of the emission being measured.</li> <li>c) VBW ≥ RBW.</li> <li>d) Sweep: No faster than coupled (auto) time.</li> <li>e) Detector function: Peak.</li> </ul>
Procedure:	f) Trace: Max-hold.
Anbotek Anbote Anbotek Anb	<ul> <li>g) Allow trace to stabilize.</li> <li>h) Use the marker-to-peak function to set the marker to the peak of the emission.</li> </ul>
tootek Anbotek	<ul><li>i) The indicated level is the peak output power, after any corrections for external attenuators and cables.</li><li>j) A spectral plot of the test results and setup description shall be included in</li></ul>
Anbore Ant Anborek Anborek	the test report. NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied
Anbort And	bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

# 5.1. EUT Operation

Operating Envir	ronment:				nbotek	
Test mode:	1: TX-GFSK (Nor hopping) with GF 2: TX-π/4-DQPS (non-hopping) wi 3: TX-8DPSK (No hopping) with 8D	SK modulation K (Non-Hoppin th π/4-DQPSK on-Hopping): K	g): Keep the modulation. eep the EUT	EUT in continu	uously trans	mitting mode

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# 5.2. Test Setup

Anbotek		EUT	Spec	trum Analyzer	AU		Anbotek	
K pnbołek	Anbot <sup>re</sup>	Anbotek	Anboter	And	Anbotek	Anbotek	Anbo. Anbo	

## 5.3. Test Data

Temperature:	25.4 °C	-xek	Humidity:	48 %	Atmospheric Pressure:	102 kPa
 OV	No.	NO.1	121	_202*	N. NY	. ON

Please Refer to Appendix for Details.

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# 6. Channel Separation

Test Requirement:	47 CFR 15.247(a)(1)
Test Limit:	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
Anborek Anborek Anborek Anborek Procedure: Anborek Anborek Anborek Anborek 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. 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. 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	ronment: Anborer Anborer Anborer Anborer Anbor
Test mode:	<ul> <li>4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.</li> <li>5: TX-π/4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with π/4-DQPSK modulation.</li> <li>6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.</li> </ul>

## 6.2. Test Setup

nbotek	Anbote Ant	EUT	V.L. 6.4	Spectrum Ana	alyzer	otek An	botek Ant	
nbotek		hotek	Anbor	Am	Anboten		An	
6.3.*	Test Data	Annotek	Anboten	Anbo Anborek	Anbotek	Anbore	Anbotek	

Temperature:	25.4 °C	Humidity:	48 %	hoda	Atmospheric Pressure:	102 kPa
4.523	- A Q -	· · · · · · · · · · · · · · · · · · ·		12.7		V

Please Refer to Appendix for Details.

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# 7. Number of Hopping Frequencies

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit:	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
Procedure:	<ul> <li>The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:</li> <li>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.</li> <li>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.</li> <li>c) VBW ≥ RBW.</li> <li>d) Sweep: No faster than coupled (auto) time.</li> <li>e) Detector function: Peak.</li> <li>f) Trace: Max-hold.</li> <li>g) Allow the trace to stabilize.</li> <li>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</li> </ul>
Anbors Anbotek	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 Envir	ronment:
Test mode: Andore	4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,. 5: TX- $\pi$ /4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with $\pi$ /4-DQPSK modulation. 6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

# 7.2. Test Setup

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nboten		EUT	Spect	rum Analyzer		Anbotek An
7.3.	Fest Data	Anb	Anbotek Anbr	botek Anbotek	Anborek	Anbotek K Anbotek
Tomp	oraturo: 25.4	°C Uu	miditu: 40.0/	Atmocphori	Droceuro:	102 kPa

# Temperature:25.4 °CHumidity:48 %Atmospheric Pressure:102 kPa

Please Refer to Appendix for Details.

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# FCC ID: OKUJC8918

# 8. Dwell Time

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Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit:	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
Anbotek Anbotek Anbotek botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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. 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.
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 dwell time with the minimum number of channels.
Anbotek Anbotek An	Use the following spectrum analyzer settings to determine the dwell time per hop:
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	<ul> <li>a) Span: Zero span, centered on a hopping channel.</li> <li>b) RBW shall be ≤ channel spacing and where possible RBW should be set &gt;&gt; 1 / T, where T is the expected transmission time per hop.</li> <li>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 = 1/hopping rate) should achieve this.</li> <li>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 channel.</li> <li>e) Detector function: Peak.</li> <li>f) Trace: Clear-write, single sweep.</li> <li>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</li> </ul>

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nbotek Anbotek	these two markers.
Anbotek Anbotek	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
Ante Anbotek Anbot	sufficient to capture at least 2 hops. When the device uses a dynamic hopping sequence, or the sequence varies, the period of measurement may
otek Anboten An	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.
Anbotek Anbotek	The average number of hops on the same channel within the regulatory
Anbotek Anbote	observation period is calculated from the number of hops on the channel divided by the spectrum analyzer sweep time multiplied by the regulatory
Anbore Ann otek Anbotek Anb	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.
nbotek Anbotek	The average time of occupancy is calculated by multiplying the dwell time per hop by the number of hops in the observation period.

# peration

No.	Operating Envir	onment:							
0	tek Anbotek	4: TX-GFSK with GFSK r		Keep the EL	JT in con	ntinuous	ly transmitti	ng mode (h	opping)
La.	Test mode:	5: TX-π/4-D (hopping) wi	- AD	U/ 1		in conti	nuously tran	nsmitting m	ode

6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

# 8.2. Test Setup

	EUT	 Spectrum	Analyzer	
		Anbore	An-	

## 8.3. Test Data

	- VA V			A 17 -	ANY VAV
Temperature: 25	5.4 °C	Humidity: 48 %	6 Anbo	Atmospheric Pressure:	102 kPa

## Please Refer to Appendix for Details.

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## 9. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d)
Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiato 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 transmitte 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
potek Anbote Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	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. 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.
Anborek	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. 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
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	help clearly demonstrate compliance a display line may be set at the 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 provided.
	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) 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

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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 Envir	onment:
20	etek Anborel	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non- hopping) with GFSK modulation.
Þ.	bo' Ar.	2: TX- $\pi/4$ -DQPSKK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with $\pi/4$ -DQPSK modulation.
	Test mode:	3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non- hopping) with 8DPSK modulation.
ų.	Anboile.	4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.
o <sup>1</sup>	ak Anboten	5: TX-π/4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with $\pi$ /4-DQPSK modulation.
,n	potek Anbo	6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

# 9.2. Test Setup

Temperature:	25.4 °C	Humidity:	48 %	Atmospheri		102 kPa
9.3. Test Dat	a Anbor				Anbotek	
otek unbotek	Anbu	hotek	Anbore	An-	Anbotek	Anbore A
ak Anbotek	Anbot	EUT	Spectrum	Analyzer	K P	

## Please Refer to Appendix for Details.

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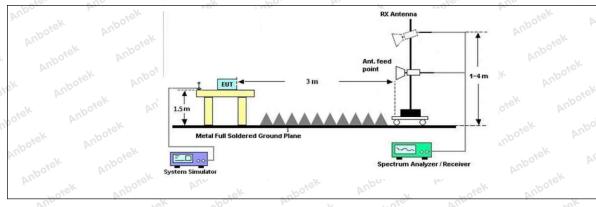
# 10. Band edge emissions (Radiated)

Test Requirement:	restricted bands, as defined	, In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	ly with the
atek Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anbotek Anbotek	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300 30
Anbotek Anbotek	1.705-30.0 30-88 88-216	30 100 ** 150 **	30 3 3
Test Limit:	216-960 Above 960	200 ** 500	3 bole Ant 3 bole Ant
otek Anbotes Anu nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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 hese frequency bands is permitt	e located in the 470-806 MHz.
Test Method:	ANSI C63.10-2020 section	6.10 Anbor ok botek	Anbore Ant
Procedure:	ANSI C63.10-2020 section	6.10.5.2	Anboten Anbr

## 10.1. EUT Operation

Operating Env	vironment: And the set and the
Test mode:	<ul> <li>1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation.</li> <li>2: TX-π/4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π/4-DQPSK modulation.</li> <li>3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.</li> </ul>

# 10.2. Test Setup



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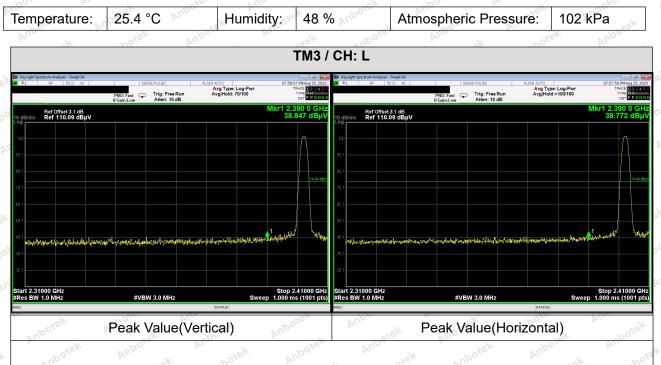




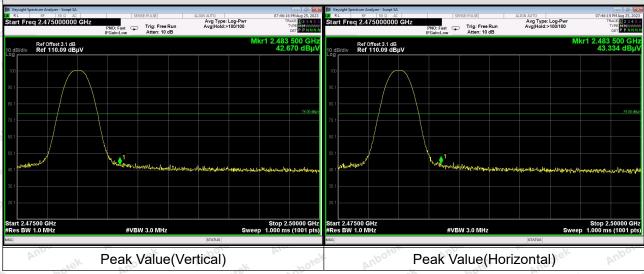
FCC ID: OKUJC8918

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# 10.3. Test Data







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FCC ID: OKUJC8918

Average:					abotek	
Test Mode	Peak Value (dBuV/m)	DCCF	Average Value (dBuV/m)	Limit (dBuV/m)	Polarization	Verdict
TM3 / CH: L	38.847	-2.26	36.585	54.00	Vertical	Pass
	38.772	-2.26	36.510	54.00	Horizontal	Pass
TM3 / CH: H	42.670	-2.26	40.408	54.00	Vertical	oten Pass
	43.334	-2.26	41.072	54.00	Horizontal	Pass

## Remark:

- 1. During the test, pre-scan all modes, the report only record the worse case mode.
- 1. DCCF=20log(Duty Cycle)
- 2. Average Value=Peak Value+DCCF

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

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 woo
k Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anbotek Anbotek	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300 30
Anbotek Anbore	1.705-30.0 30-88 88-216	30 100 ** 150 **	30 3 3
Test Limit:	216-960 Above 960	200 ** 500	3
nbotek Anbotek Anb Anbotek Anbotek M Anbotek Anbotek	intentional radiators operati frequency bands 54-72 MH	ragraph (g), fundamental emissi ing under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt	e located in the 470-806 MHz.
Test Method:	ANSI C63.10-2020 section	6.6.4 hotek	Anboren Ant
Procedure:	ANSI C63.10-2020 section	6.6.4 Martin Martin Martin	Anboten Anb

# 11.1. EUT Operation

Anbo						
Test mode:	1: TX-GFSK (Non- hopping) with GFS 2: TX-π/4-DQPSK (non-hopping) with 3: TX-8DPSK (Nor hopping) with 8DP	K modulation. (Non-Hopping) π/4-DQPSK mo -Hopping): Kee	: Keep the EU odulation. ep the EUT in d	T in continu	ously transn	nitting mode

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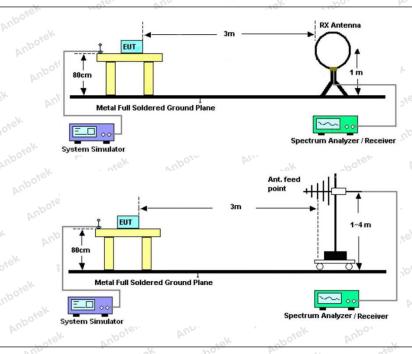
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





## FCC ID: OKUJC8918

# 11.2. Test Setup



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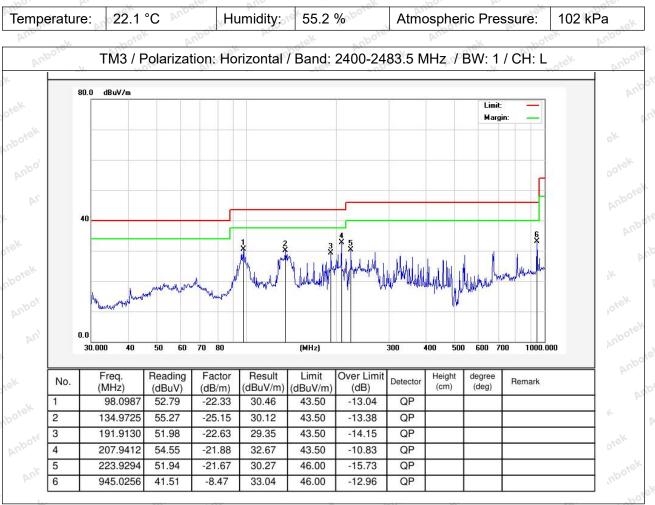




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## 11.3. Test Data



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Report No.: 18220WC30178901 FCC ID: OKUJC8918 Page 33 of 38 Temperature: 22.1 °C 55.2 % Atmospheric Pressure: Humidity: 102 kPa TM3 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L 80.0 dBuV/m Limit Margin 40 0.0 30.000 40 50 60 70 80 (MHz) 300 400 500 600 700 1000.000 Over Limit Detector Result Limit Freq. Reading Factor Height degree Remark No. (MHz) (deg) (dBuV/m) (cm) (dBuV) (dB/m) (dBuV/m) (dB) -8.27 QP 135.0318 60.37 -25.14 35.23 43.50 1 2 51.42 -15.94 46.00 -10.52 QP 471.7622 35.48 3 480.1064 52.72 -15.84 36.88 46.00 -9.12 QP 4 540.1873 50.61 -14.82 35.79 46.00 -10.21 QP 810.2653 45.69 -10.04 35.65 46.00 -10.35 QP 5 6 945.0256 45.50 -8.47 37.03 46.00 -8.97 QP

Note:Only record the worst data in the report.

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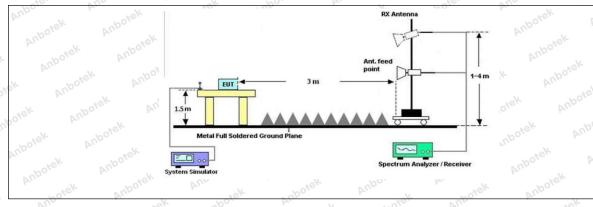
# 12. Emissions in frequency bands (above 1GHz)

Test Requirement:		ons which fall in the restricted ba omply with the radiated emissior 5(c)).`	
K Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
b. h. sotek	0.009-0.490	2400/F(kHz)	300 000
aboten Anbo	0.490-1.705	24000/F(kHz)	30
hi. stek anborer	1.705-30.0	30° An atek pob	30
Anbo, k anotek	30-88	100 **	3 ek nobore
- aboten Anbe	88-216	150 **	3
Test Limit:	216-960	200 ***	3 boten Ann
Anbo, A.	Above 960	500 hotek Anbo	3 dek nt
otek Anbotek Anto nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators operat frequency bands 54-72 MH	ragraph (g), fundamental emiss ing under this section shall not b lz, 76-88 MHz, 174-216 MHz or these frequency bands is permit	e located in the 470-806 MHz.
Test Method:	ANSI C63.10-2020 section	6.6.4 Martin Charles and Charl	
Procedure:	ANSI C63.10-2020 section	6.6.4 Million Million	Anboten Anb
NOT NOT	all about prov	V JOHN AND	No.

## 12.1. EUT Operation

Operating Env	ironment: prove pr
Test mode:	<ol> <li>TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation.</li> <li>TX-π/4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π/4-DQPSK modulation.</li> <li>TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.</li> </ol>

# 12.2. Test Setup



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## 12.3. Test Data

Temperature:	22.1 °C	Humidity:	55.2 %	Atmospheric Pressure:	102 kPa
602	in the	00. bu	No. No.	NO.	N 100

		-	TM3 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	27.83	15.27	43.10	74.00	-30.90	Vertical
7206.00	28.88	18.09	46.97	74.00	-27.03	Vertical
9608.00	29.93	23.76	53.69	74.00	-20.31	Vertical
12010.00	Anbote * Ar	tek .	hotek Anb	74.00	otek Anbot	Vertical
14412.00	Anbo*sk	Anbo	hotek P	74.00	atek ant	Vertical
4804.00	28.15	15.27	43.42	74.00	-30.58	Horizontal
7206.00	29.30	18.09	47.39	74.00	-26.61	Horizontal
9608.00	28.52	23.76	52.28	74.00	-21.72	Horizontal
12010.00	potek * Anbo	pri no	rek Anbore	74.00	s nbotek	Horizontal
14412.00	botek* An	pore Ann	niek unbr	74.00	brode Ha	Horizontal

## Average value:

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	17.21	15.27	32.48	54.00	-21.52	Vertical
7206.00	17.91	18.09	36.00	54.00	-18.00	Vertical
9608.00	18.95	23.76	42.71	54.00	-11.29	Vertical
12010.00	n	Anboren An	49.5	54.00 M <sup>09</sup>	and the second	Vertical **
14412.00	Ant * tok	anbotek	Anbo, Ar	54.00	boten Ann	Vertical
4804.00	16.50	15.27	31.77	54.00	-22.23	Horizontal
7206.00	18.36	18.09	36.45	54.00	-17.55	Horizontal
9608.00	17.83	23.76	41.59	54.00	-12.41	Horizontal
12010.00	tek *	otek Anbor	ak not	54.00	Ann	Horizontal
14412.00	100 <b>*</b>	hotek Ant	ore And	54.00	ok Anbo	Horizontal
		Cherry Contraction of the Cherry Cher	10.	50 P.	. n	10 00-

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		٦	ГМ3 / СН: М			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	27.85	15.42	43.27	74.00	-30.73	Vertical
7323.00	28.73	18.02	46.75	74.00	-27.25	Vertical
9764.00	28.94	23.80	52.74	74.00	-21.26	Vertical
12205.00	ek * nbotek	Anbor	pri notek	74.00	Anonetek	Vertical
14646.00	*	tek Anbore	Ann	74.00	Anbo	Vertical
4882.00	27.85	15.42	43.27	74.00	-30.73	Horizontal
7323.00	29.29	18.02	47.31	74.00	-26.69	Horizontal
9764.00	28.22	23.80	52.02	74.00	-21.98	Horizontal
12205.00	* tek	Anbore	Ann	74.00	wpp. A.	Horizontal
14646.00	Art dek	anbotek	Anbo	74.00	Anbort	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4882.00	16.94	15.42	32.36	54.00	-21.64	Vertical
7323.00	18.01	18.02	36.03	54.00	-17.97 And	Vertical
9764.00	18.81	23.80	42.61	54.00	-11.39	Vertical
12205.00	K Anbor	All wotek	Anboter	54.00	abotek	Vertical
14646.00	otek * anboth	Ano	ek sbotek	54.00	print	Vertical
4882.00	16.41	o <sup>tex</sup> 15.42	31.83	54.00	-22.17	Horizontal
7323.00	17.92	18.02	35.94	54.00	-18.06	Horizontal
9764.00	18.34	23.80	42.14	54.00	5010-11.86 prof	Horizontal
12205.00	Antroten	Anor	botek	54.00	wołek a	Horizontal
14646.00	* 10K	Upor-	Ac.	54.00	And	Horizontal

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		-	ГМ3 / СН: Н			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	28.12	15.58	43.70	74.00	-30.30	Vertical
7440.00	28.74	17.93	46.67	74.00	-27.33	Vertical
9920.00	29.49	23.83	53.32	74.00	-20.68	Vertical
12400.00	* wotek	anboten	Anb	74.00	Anbor	Vertical
14880.00	* And	ek spotel	Anbor	74.00	Anboten	Vertical
4960.00	27.92	15.58	43.50	74.00	-30.50	Horizontal
7440.00	29.32	17.93	47.25	74.00	-26.75	Horizontal
9920.00	28.90	23.83	52.73	74.00	-21.27	Horizontal
12400.00	And *	abotek	Anbor	74.00	mboter Ant	Horizontal
14880.00	Arthorn	pri-	Anboten	74.00	abotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	18.06	15.58	33.64	54.00	-20.36	Vertical
7440.00	19.02	17.93	36.95	54.00	200 <sup>16-</sup> 17.05 M <sup>10</sup>	Vertical
9920.00	19.36	23.83	43.19	54.00	-10.81	Vertical
12400.00	k * obotek	Anbor	pri notek	54.00	And	Vertical
14880.00	* *	ak Anbore	And	54.00	Anbe	Vertical
4960.00	17.85	15.58	33.43	54.00	-20.57	Horizontal
7440.00	19.29	17.93	ot <sup>ek</sup> 37.22 pr <sup>b0</sup>	54.00	-16.78	Horizontal
9920.00	18.24	23.83	42.07	54.00 <sup>Min</sup>	-11.93	Horizontal
12400.00	* tek	Anborer	Ann	54.00	100. Pr.	Horizontal
14880.00	An* -ok	aboten	Anbor	54.00	anbort A	Horizontal

#### Remark:

- 1. Result =Reading + Factor
- 2. "\*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.
- 3. Only the worst case is recorded in the report.

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# **APPENDIX I -- TEST SETUP PHOTOGRAPH**

Please refer to separated files Appendix I -- Test Setup Photograph\_RF

# APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

# **APPENDIX III -- INTERNAL PHOTOGRAPH**

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report ----

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