

Report No .: 18220WC40096201 FCC ID: 2AF9P-R3 Page 1 of 40

FCC Test Report

Applicant Sudio AB

: Artillerigatan 42, 114 45 Stockholm, Sweden Address

Product Name **Bluetooth headphone**

: Jun. 14, 2024 **Report Date**



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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TEST REPORT

ID: 2AF9P-R3

Applicant

Manufacturer : Dongguan Harmony Electronic Technology Co., Ltd.

Product Name

: Bluetooth headphone

Sudio AB

Sudio R3

Test Model No.

Reference Model No. : N/A

Trade Mark

sudio

Rating(s)

Test Standard(s)

Input: 5V-0.3A(with DC 3.7V, 300mAh battery inside)

47 CFR Part 15.247 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:

Date of Test:

Prepared By:

May 13, 2024 to Jun. 04 2024

May 13, 2024

Tu Tu Hong

(TuTu Hong)

Idward pan

(Edward Pan)

Approved & Authorized Signer:

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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Revision History

Report Ver	rsion		Description			Issued	Date	
R00	abotek Ant	otek	Original Issue.	Inbotek	Anbote	Jun. 14	, 2024	Anbote
k Anbo, potek	Anbotek	Anboten	Ano	Anbotek	K Anbe	botek	Anbotek	Anbo
or printek	Anboten	Anberbote	k Anbotek	Anbor	A	nbotek	Anboten	4

Anbc

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1. General Information

1.1. Client Information

Applicant	:	Sudio AB
Address	:	Artillerigatan 42, 114 45 Stockholm, Sweden
Manufacturer	:	Dongguan Harmony Electronic Technology Co., Ltd.
Address	:	Room 101, No. 3, Jiankai Road, Shipai Town, Dongguan City, China
Factory	:	Dongguan Harmony Electronic Technology Co., Ltd.
Address	:	Room 101, No. 3, Jiankai Road, Shipai Town, Dongguan City, China

1.2. Description of Device (EUT)

V 12	100	All
Product Name	:	Bluetooth headphone
Test Model No.	:	Sudio R3
Reference Model No.	:	N/A otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	SUDIO Anborek Anborek Anborek Anborek Anborek Anborek Anborek
Test Power Supply	:	AC 120V/60Hz for Adapter/DC 3.7V Battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A tek Anborek Anborek Anborek Anborek Anborek
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	79 And Anborek Anborek Anborek Anborek Anborek
Modulation Type	:	GFSK, π/4 DQPSK, 8DPSK
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	3.59 dBi
		ation are provided by customer. eatures description, please refer to the manufacturer's specifications or the

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1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Xiaomi 33W adapter	Xiaomi	MDY-11-EX	SA62212LA04358J
Ar botek Anboten	And otek unbotek	Anbor An botek	Anboren Anbo

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1.4. Operation channel list

Operation Band:

Operation L	and.	M. W	mo ^{ie} .	DUP	×0 ^K		M. K
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0 _{Anbote}	2402	20 00	2422	40	2442 00te	60	2462
tek 1 Anb	2403		ote ^k 2423 pribo	41	2443 MO	61 And	2463
botek 2	2404 AM	22	2424	42	2444	62	2464
3	2405	23	2425	Anbold3	2445	63	2465
4 dotek	2406	And 24 tek	2426	44	2446	64	2466
5 botek	2407	25	2427	45	2447	65,0010	2467
e ^k 6 000	2408 ¹⁰⁰¹⁶	26	1428 AND 1	46 Anbo	2448	ret 66 prob	2468
	2409 M ⁰	27	2429	potek 47 An	2449	67	2469
8	2410	28	2430	48	2450	68	2470
Anbo 9 tek	2411	29	2431	49	2451	69	2471
Anbo 10 dek	2412	30	2432	50 ^{oten}	2452	70	2472
11	2413	31 ^{nbore}	2433	K 51 Anbor	2453	ek 71 nbo	2473
12	2414	tek 32 And	2434	otek 52 Ant	2454	oter 72	oote ^k 2474 Anto
13 AT	2415	tootex 33	2435	53	2455	73	2475
Anbointe	2416	34	2436	54	2456	74 ex	2476
An15	2417	35	2437	55	2457	75 otek	2477
16	2418	36 bote	2438	56 note	2458	76	2478 ⁰⁰¹⁶
17Anbor	2419	e ^k 37 pn ^{bo}	2439	tek 57 unb	2459 Moon	77 × 77	ot ^{ex} 2479 prof
otek 18 Ant	2420	o ^{re*} 38 N	2440	58	2460	78	2480
nb ^{otek} 19	2421	39	2441	59	2461	Auportek	p
Yo.		Par.	195	N01-			- P.V.

1.5. Description of Test Modes

Pretest Modes	Descriptions			
TM1 Anborek	Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation.			
TM2 Anbore	Keep the EUT in continuously transmitting mode (non-hopping) with $\pi/4$ DQPSK modulation.			
Anbolek TM3 ^{tek} Anbo	Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.			
Anbotek TM4nbotek	Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.			
Anbotek TM5	Keep the EUT in continuously transmitting mode (hopping) with $\pi/4$ DQPSK modulation.			

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TM6

Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

1.6. Measurement Uncertainty

Uncertainty
3.4dB unbotek Anbot tek anbotek Anbot
925Hz
0.76dB
1.24dB
1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
3,53dB
Horizontal: 3.92dB; Vertical: 4.52dB

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1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	An abotek / Anboten	AnuPotek
Conducted Emission at AC power line	Mode1,2,3	P
Occupied Bandwidth	Mode1,2,3	PAR
Maximum Conducted Output Power	Mode1,2,3	Pro Pro
Channel Separation	Mode4,5,6	Pek
Number of Hopping Frequencies	Mode4,5,6	Anbo, P. tek
Dwell Time	Mode4,5,6	P
Emissions in non-restricted frequency bands	Mode1,2,3,4,5,6	PANDO
Band edge emissions (Radiated)	Mode1,2,3	P Am
Emissions in frequency bands (below 1GHz)	Mode1,2,3	nbote P
Emissions in frequency bands (above 1GHz)	Mode1,2,3	Anbore P.ek
Note:	Anto	Anbore

P: Pass

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

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
 - 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
 - 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

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1.10. Test Equipment List

Conducted Emission at AC power line

100	·	Lote Ans	~ e	100	No. 14	NO ^{RO}
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
× 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
3 of	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Arootek	Anboi
4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11
-	tode you	Pu-	der Nup		lok bo	but a

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

	noi ooparation		K 60.	124 C		
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 e ^k	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	pote ^k N/A An	2023-10-16	2024-10-15
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
Ani3ote	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2024-05-06	2025-05-06
4 . ^{nb}	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5 🖻	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03

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		Anboro	Anotek	Anbotek	Anbo. potek
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2024-01-17	2025-01-16
Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	And	Anbotek
Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2024-05-06	2025-05-06
Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2024-05-07	2025-05-06
	sions in frequency ba Equipment EMI Test Receiver EMI Preamplifier Double Ridged Horn Antenna EMI Test Software EZ-EMC Horn Antenna Spectrum Analyzer	EMI Test ReceiverRohde & SchwarzEMI PreamplifierSKET ElectronicDouble Ridged Horn AntennaSCHWARZBECKEMI Test Software EZ-EMCSHURPLEHorn AntennaA-INFOSpectrum AnalyzerRohde & Schwarz	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.EMI Test ReceiverRohde & SchwarzESR26EMI PreamplifierSKET ElectronicLNPA- 0118G-45Double Ridged Horn AntennaSCHWARZBECKBBHA 9120DEMI Test Software EZ-EMCSHURPLEN/AHorn AntennaA-INFOLB-180400- KFSpectrum AnalyzerRohde & SchwarzFSV40-NAmplifierTalent MicrowaveTLLA18G40	Sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.Serial No.EMI Test ReceiverRohde & SchwarzESR26101481EMI PreamplifierSKET ElectronicLNPA- 0118G-45SKET-PA- 002Double Ridged Horn AntennaSCHWARZBECKBBHA 9120D02555EMI Test Software EZ-EMCSHURPLEN/AN/AHorn AntennaA-INFOLB-180400- KF8Spectrum AnalyzerRohde & SchwarzFSV40-N101792AmplifierTalent MicrowaveTLLA18G40 2302280223022802	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.Serial No.Last Cal.EMI Test ReceiverRohde & SchwarzESR261014812024-01-23EMI PreamplifierSKET ElectronicLNPA- 0118G-45SKET-PA- 0022024-01-17Double Ridged Horn AntennaSCHWARZBECKBBHA 9120D025552022-10-16EMI Test Software EZ-EMCSHURPLEN/AN/A/Horn AntennaA-INFOLB-180400- KFJ21106062

Emissions in frequency bands (below 1GHz)

- 100	biolite in inequelity be					
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
Antote	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11
5.nb	EMI Test Software EZ-EMC	SHURPLE	N/A N/A	N/Anbot	ek Anbo	k Anbotek

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2. Antenna 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
	Test Requirement:	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
8		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 **3.59 dBi**. It complies with the standard requirement.

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3. Conducted Emission at AC power line

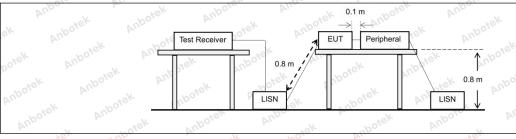
Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the r back onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN).	that is designed to be con adio frequency voltage that ny frequency or frequencie of exceed the limits in the fo	nected to the at is conducted s, within the ollowing table, as		
abotek Anbois	Frequency of emission (MHz)	Conducted limit (dBµV)	A solek		
	Anbo k hotek Anbor	Quasi-peak	Average		
Anbois An.	0.15-0.5	66 to 56*	56 to 46*		
Test Limit:	0.5-5 tek photo And	56 poten An	46		
	5-30	60	50 ten And		
	*Decreases with the logarithm of the frequency.				
Test Method:	ANSI C63.10-2020 section 6.2	abotek Anbote.	Ans		
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un				

3.1. EUT Operation

Operating Environment:

And	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-
tek nbore	hopping) with GFSK modulation.
Toot mode	2: TX-π/4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode
Test mode:	(non-hopping) with $\pi/4$ DQPSK modulation.
ak sol	3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-
Anbor An	hopping) with 8DPSK modulation.

3.2. Test Setup



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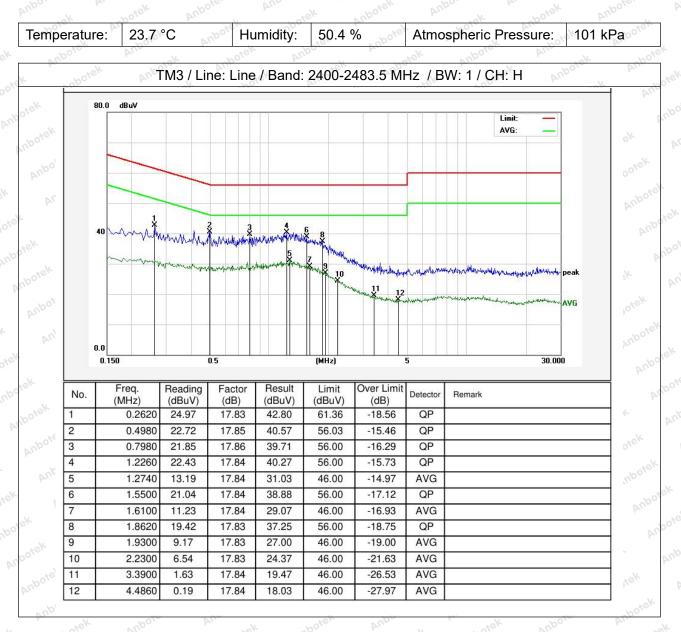




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3.3. Test Data

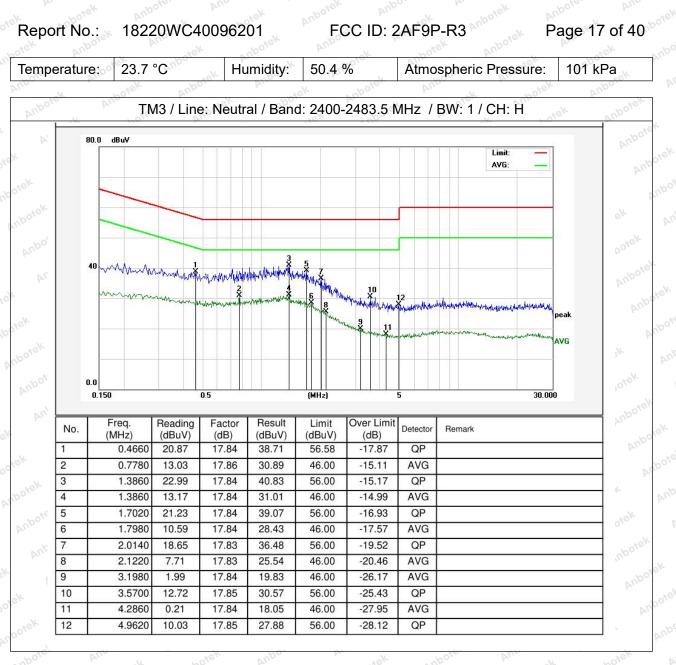


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Note: Only record the worst data in the report.

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4. Occupied Bandwidth

Test Requirement:	47 CFR 15.215(c)	Anborek	Anboro
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operate alternative provisions to the general emission limits 15.217 through 15.257 and in subpart E of this part ensure that the 20 dB bandwidth of the emission, of may otherwise be specified in the specific rule section equipment operates, is contained within the frequer the rule section under which the equipment is operate	a, as contained in , must be design r whatever bandy ion under which t ncy band designa	§§ led to width the
Test Method:	ANSI C63.10-2020, section 7.8.6, For occupied bar use the procedure in 6.9.3. Frequency hopping sha KDB 558074 D01 15.247 Meas Guidance v05r02		
Anbotek Anbotek hotek Anbotek Ant hotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	The occupied bandwidth is the frequency bandwidth lower and above its upper frequency limits, the mea to 0.5% of the total mean power of the given emissi procedure shall be used for measuring 99% power a) The instrument center frequency is set to the nor frequency. The frequency span for the spectrum an 1.5 times and 5.0 times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall 5% of the OBW, and VBW shall be at least three tim otherwise specified by the applicable requirement.	an powers are ea ion. The following bandwidth: minal EUT chann alyzer shall be b I be in the range	ach equal g nel center etween of 1% to
	 c) Set the reference level of the instrument as required from exceeding the maximum input mixer level for I general, the peak of the spectral envelope shall be (OBW/RBW)] below the reference level. Specific gu 4.1.6.2. d) Step a) through step c) might require iteration to 	inear operation. more than [10 lo uidance is given i	In g in ^{otek}
Procedure:	 specified range. e) Video averaging is not permitted. Where practical single sweep mode shall be used. Otherwise, peak mode (until the trace stabilizes) shall be used. f) Use the 99% power bandwidth function of the installation of the inst	al, a sample dete detection and m	ction and ax-hold
	report the measured bandwidth. g) If the instrument does not have a 99% power bar trace data points are recovered and directly summe The recovered amplitude data points, beginning at placed in a running sum until 0.5% of the total is rea recorded as the lower frequency. The process is rep	ed in linear powe the lowest freque ached; that frequ peated until 99.5	r terms. ency, are ency is % of the
	total is reached; that frequency is recorded as the upower bandwidth is the difference between these tw h) The occupied bandwidth shall be reported by pro- the measuring instrument display; the plot axes and division shall be clearly labeled. Tabular data may be the plot(s).	wo frequencies. oviding spectral p d the scale units	olot(s) of per

4.1. EUT Operation

Operating Environment:

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

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Report No.:18220WC40096201FCC ID: 2AF9P-R3Page 19 of 40hopping) with GFSK modulation.
2: TX-π/4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode
(non-hopping) with π/4 DQPSK modulation.
3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.

4.2. Test Setup

(oc	nbotek	Anbotek Anbotek	EUT		Spectrum Analyzer	nbotek	Anbotek A
	Anbotek	Anbote.	botek	Anbor	A" wotek Anb	oter Anbote	An- botek

4.3. Test Data

Tempe	rature:	25.5 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa	Anbo

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 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
Anbotek Anbotek Anbotek Anbotek	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.
Procedure:	 d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold.
	 g) Allow trace to stabilize. h) Use the marker-to-peak function to set the marker to the peak of the emission. i) The indicated level is the peak output power, after any corrections for
	 i) The indicated level is the peak output power, after any corrections for external attenuators and cables. j) A spectral plot of the test results and setup description shall be included in the test report.
	NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum
en Aupo N.	analyzer.

5.1. EUT Operation

Operating Envi	ronment: potek Anbol K sotek Anbote And tek potek
Test mode:	 TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation. TX-π/4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π/4 DQPSK modulation. TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.

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5.2. Test Setup

			EUT	Spec	otrum Analyzer	Pro		Anbotek	
r o ^{rel}	K Anbotek	Anbotic Anbotic	Al." Anbotek	Anboter	And	Anborek	Anbotek	Anbor	

5.3. Test Data

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

Please Refer to Appendix for Details.

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6. Channel Separation

Test Requirement:	47 CFR 15.247(a)(1)
Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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
Procedure: 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.
botek Anbotek A Anbotek Anbotek Hotek Anbotek	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: Anbote Anbote And set moster Anbote A
Test mode:	4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,. 5: TX- π /4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with π /4 DQPSK modulation. 6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

6.2. Test Setup

potek Anbotek An	EUT	Spectrum Analyzer	otek Anborek An
6.3. Test Data	And Anbotek Anbote	ak Anbor Anborel	Anboren Anborek

Temperature:	25.5 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa
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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: hnbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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 Anborek Anborek Anborek Anborek Anborek Pročedure: Anborek Anborek Anborek Anborek Anborek 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. 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
Anbore. And hotel	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; otek Anbov Ak hotek Anbote And tek Anbotek A
Test mode:	4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,. 5: TX- π /4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with π /4 DQPSK modulation. 6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

7.2. Test Setup

Anbotek Anbo		EUT	Spectrum Ar	halyzer physical and the second secon	Anbois
7.3. Test Dat	anbotek Ar	botek Anbo	botek Anbotek	Anbores Anbo	tek Anbotek
Temperature:	25.5 °C	Humidity:	47 % M ^{bb}	Atmospheric Pressure:	101 kPa
Please Refer to	o Appendix for I	Details.			

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8. Dwell Time

nbo. A.	- tote And the steek and the set above
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 KDB 558074 D01 15.247 Meas Guidance v05r02
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.
	Use the following spectrum analyzer settings to determine the dwell time per hop: 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
ek Anbort A potek Anbotek 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 to reduce the chance of triggering when the system hops on an adjacent channel.
Anbortek Anbo	 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

g) Place markers at the start of the first transmission on the channel and at

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the end these tw To dete period r uses a sufficier hopping need to occupat time. The ave observa sweep to number

the end of the last transmission. The dwell time per hop is the time between these two markers.

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

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

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

8.1. EUT Operation

Operating Envir	ronment:
Test mode:	4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,. 5: TX- π /4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with π /4 DQPSK modulation. 6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.

8.2. Test Setup

ler ek			EUT		S	Spectrum Ana	lvzer	
porc							····	
Anbote	And	ek ,	nboten	Anb	r Av	botek	Anbor	An

8.3. Test Data

10 ° C	~ ^ O V	1 de la	001	NOV NOV	
Temperature:	25.5 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa
K 10'	p.	ALC: N	000-		

Please Refer to Appendix for Details.

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9. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit: 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 radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §
Test Method:	15.209(a) is not required. ANSI C63.10-2020 section 7.8.7 KDB 558074 D01 15.247 Meas Guidance v05r02
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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.
	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: potek	The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the 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

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Report No.: 18220	otek unbotek Anbo ok obotek Anbore Art
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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
k Anbotek Anb	compliance.
nbotek Anbotek	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
Anbotek Anbotek Anbotek	disabled and repeated with frequency hopping enabled. For the latter test the hopping sequence shall include the lowest and highest channels.
k Anbotek Anbo stek Anbotek Anb	For measurements with the hopping disabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of the allocated band-edge.
nbotek Anboltek Anbotek Anbotek	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:
Anbotek Anbotek	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation. 2: TX- π /4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode
Anbotek A	(non-hopping) with $\pi/4$ DQPSK modulation. 3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-
Test mode:	hopping) with 8DPSK modulation. 4: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping)
otek Anbore	with GFSK modulation,. 5: TX-π/4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode
npotek Anbu	(hopping) with π/4 DQPSK modulation. 6: TX-8DPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping)
Anbore. And	with 8DPSK modulation.

9.2. Test Setup

	Anbot	EUT		Spectrum	Analyzer
		oten Anb~	r. V	Lotek	Anbor

PUp,

9.3. Test Data

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Temperature:	25.5 °C	Anbore	Humidity:	47 % moore	Atmospheric Pressure:	101 kPa
~O`	Der.		30" AV		N NO. DI	

Please Refer to Appendix for Details.

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Anbi



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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
K Anbotek Anbon	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
w wotek	0.009-0.490	2400/F(kHz)	300 000
nboten And	0.490-1.705	24000/F(kHz)	30 John
a anbore.	1.705-30.0	30 10 10 10 10 10 10 10 10 10 10 10 10 10	30 And
Anbo k hotek	30-88	100 **	3rek Anbore
anboter And	88-216	150 **	3
h. notek Anbote	216-960	200 **	3 boter Ant
Test Limit:	Above 960	500 Anber	3 notek pho
nbotek Anb nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek tek Anbotek Anbote tek Anbotek Anbote	intentional radiators operati frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a	ragraph (g), fundamental emissi ing under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing	e located in the 470-806 MHz. aed under other band edges. measurements uency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ek Anbore
Procedure:	ANSI C63.10-2020 section	6.10.5.2	por An hotek

10.1. EUT Operation

Operating Envi	ronment: tek hootek Anbor Ak botek Anbore And dek
Test mode:	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation. 2: TX- π /4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π /4 DQPSK modulation. 3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.

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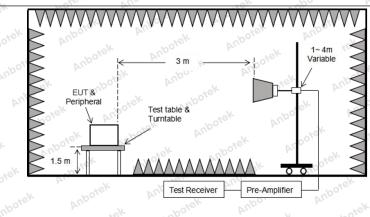




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10.2. Test Setup



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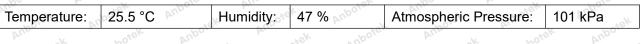


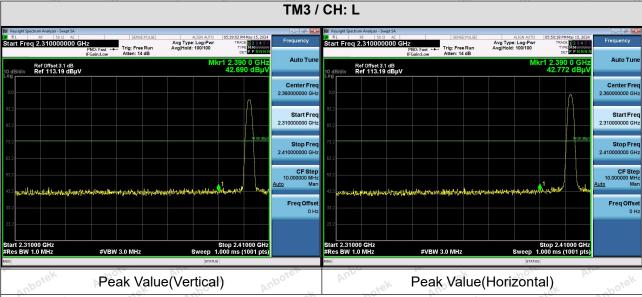


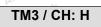
FCC ID: 2AF9P-R3

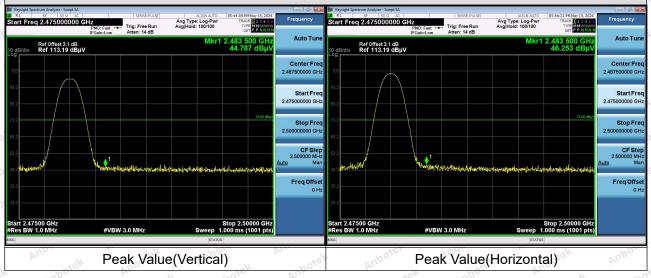
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10.3. Test Data









Remark:

1. During the test, pre-scan all modes, the report only record the worse case mode.

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)

Test Requirement:	restricted bands, as defined	In addition, radiated emissions in § 15.205(a), must also comp cified in § 15.209(a)(see § 15.20	ly with the
Anbotek Anbot otek Anbotek Ant	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
w wotek	0.009-0.490	2400/F(kHz)	300 mb ^{oto}
nboren And	0.490-1.705	24000/F(kHz)	30
a anbore.	1.705-30.0	30	30
Anbo	30-88	100 **	3rek Anbore
anboten And	88-216	150 ** N	3
A. stek unbote	216-960	200 **	3 boter Ant
Test Limit:	Above 960	500	3 stek snb
nbotek Anbotek	intentional radiators operati frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a	ragraph (g), fundamental emissi ng under this section shall not b z, 76-88 MHz, 174-216 MHz or 4 hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing	e located in the 470-806 MHz. ed under other and edges. measurements uency bands 9– sion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		sk Anbote.
Procedure:	ANSI C63.10-2020 section	6.6.4 Ant	Jor An botek

11.1. EUT Operation

Operating Envir	ronment: tek hootek Anbov ak hootek Anbove Anv
Test mode:	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation. 2: TX- π /4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π /4 DQPSK modulation. 3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.

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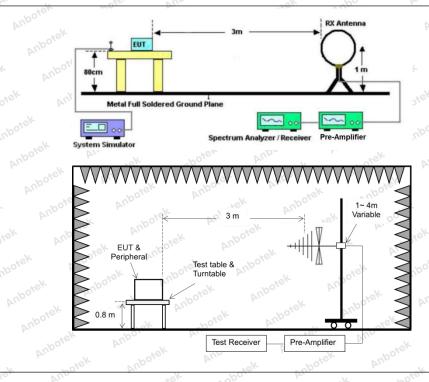




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11.2. Test Setup



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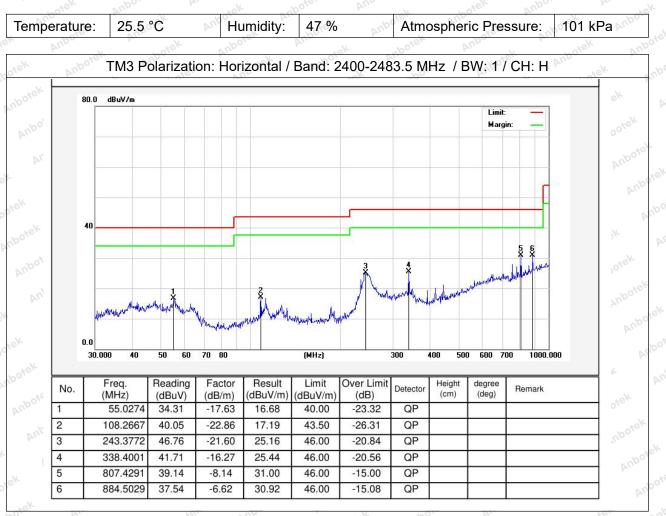
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





11.3. Test Data

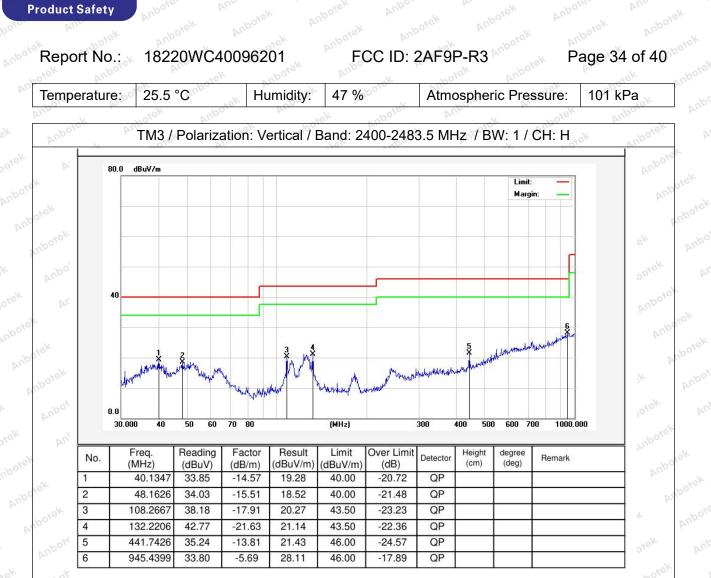
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.



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Note: Only record the worst data in the report.

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Test Requirement:		sions which fall in the restricted b comply with the radiated emissio 05(c)).`	
otek Anbotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anbor Ar otek	0.009-0.490	2400/F(kHz)	300
abotek Anbo	0.490-1.705	24000/F(kHz)	30
All bote	1.705-30.0	30 nbor All	30 And
Anbor Ar	30-88	100 **	3 tek abote
k botek Anb	88-216	150 **	3
Aun	216-960	200 ** 100 Att	3 boten pric
otek Anbor P	Above 960	500 John Anton	3 ANN
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek tek Anbotek Anbo tek Anbotek Anbotek	frequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table abov The emission limits showr employing a CISPR quasi 90 kHz, 110–490 kHz and	ting under this section shall not Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permi §§ 15.231 and 15.241. ve, the tighter limit applies at the n in the above table are based or -peak detector except for the fre above 1000 MHz. Radiated emissed on measurements employing	470-806 MHz. tted under other band edges. measurements quency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section		wotek Anbotek
rest method.	KDB 558074 D01 15.247	Meas Guidance v05r02	ip

12. Emissions in frequency bands (above 1GHz)

12.1. EUT Operation

Operating Envir	ronment: tek nootek Anboi ek hotek Anboiter Ano
Test mode:	1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation. 2: TX- π /4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π /4 DQPSK modulation. 3: TX-8DPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation.

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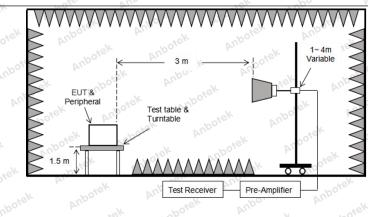




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12.2. Test Setup



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12.3. Test Data

Temperature:	25.5 °C	Humidity:	47 % And 47	Atmospheric Pressure:	101 kPa
202	de de	D. N.	N. A.C.	N05	ek voo.

		-	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	27.64	15.27	42.91	74.00	-31.09	Vertical
7206.00	28.72	18.09	46.81	74.00	-27.19	Vertical
9608.00	29.71	23.76	53.47	74.00	-20.53	Vertical
12010.00	Anbote * Ar	No-	botek Anb	74.00	otek Anbott	Vertical
14412.00	Anbo*ek	Anbo	hotek P	74.00	atek ant	Vertical
4804.00	27.98	15.27	43.25	74.00	-30.75	Horizontal
7206.00	29.07	18.09	47.16	74.00	-26.84	Horizontal
9608.00	28.44	23.76	52.20	74.00	-21.80	Horizontal
12010.00	potek * Anbo	ak no	rek Anbote	74.00	t nbotek	Horizontal
14412.00	-botek * An	pote Ant	atek anbo	74.00	walk woote	Horizontal

Average value:

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	17.02	15.27	32.29	54.00	-21.71	Vertical
7206.00	17.75	18.09	35.84	54.00	-18.16	Vertical
9608.00	18.73	23.76	42.49	54.00	-11.51 or	Vertical
12010.00	worker.	Anboten An	sek or	54.00 M ^{bc}	- bu	Vertical o
14412.00	Ant * tek	nbotek	Anbo. A.	54.00	pote And	Vertical
4804.00	16.33	15.27	31.60	54.00	-22.40	Horizontal
7206.00	18.13	18.09	36.22	54.00	-17.78	Horizontal
9608.00	17.75 pore	23.76	41.51	54.00	-12.49	Horizontal
12010.00	* *	otek Anbo.	ak not	54.00	Ann	Horizontal
14412.00	~ ×	botek Ant	Jote Ann	54.00	ek Aupo	Horizontal
		(n.	19.	9 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	N	No Dun

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ote Ane	- rek	.nbo.	TM3 / CH: M	boter	Ann	- dek
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	27.66	15.42	43.08	74.00	-30.92	Vertical
7323.00	28.57	18.02	46.59	74.00	-27.41	Vertical
9764.00	28.72	23.80	52.52	74.00	-21.48	Vertical
12205.00	ek * potek	Anbor	Annotek	74.00	And	Vertical
14646.00	* ~ ~ ~	tek Anbore	Ans	74.00	Anbo	Vertical
4882.00	27.68	15.42	43.10	74.00	-30.90	Horizontal
7323.00	29.06	18.02	47.08	74.00	-26.92	Horizontal
9764.00	28.14	23.80	51.94	100 ¹⁶ 74.00 M	-22.06	Horizontal
12205.00	* tek	Anboten	Ann	74.00	Aupor Au	Horizontal
14646.00	Ant atok	nbotek	Anbo	74.00	Anboro	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4882.00	16.75	15.42	32.17	54.00	-21.83	Vertical
7323.00	17.85	18.02	35.87	54.00	-18.13	Vertical
9764.00	18.59	23.80	42.39	54.00	-11.61	Vertical
12205.00	K Anbore	Am	anboten	54.00	abotek	Vertical
14646.00	otek * Anbot	And	ek obotek	54.00	All hotek	Vertical
4882.00	16.24	o ^{tek} 15.42	31.66	54.00	-22.34	Horizontal
7323.00	17.69	18.02	35.71	54.00	-18.29	Horizontal
9764.00	18.26	23.80	42.06	54.00	50°-11.94 m ⁰	Horizontal
12205.00	Antotek	Aup	obotek	54.00	hotek D	Horizontal
14646.00	* * botek	Anbor	A	54.00	Ann	Horizontal

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ek Anbore	Ann	nboten	And	hotek	Aupor A	otek
			TM3 / CH: H			
eak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.93	15.58	43.51	74.00	-30.49	Vertical
7440.00	28.58	17.93	46.51	74.00	-27.49	Vertical
9920.00	29.27	23.83	53.10	74.00	-20.90	Vertical
12400.00	* wotek	Anboten	And	74.00	Anbor	Vertical
14880.00	* Anc	tek nbotel	Anbo	74.00	Anbore.	Vertical
4960.00	o ^{tel} 27.75 M ⁰⁰	15.58	43.33	74.00	-30.67	Horizontal
7440.00	29.09	17.93	47.02	74.00	-26.98	Horizontal
9920.00	28.82	23.83	52.65	74.00	-21.35	Horizontal
12400.00	And *	abotek	Aupo, b	74.00	Inboten Ant	Horizontal
14880.00	Arthorn ok	hin hotek	Anbotek	74.00	anbotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	17.87	15.58	33.45	54.00	-20.55	Vertical
7440.00	18.86	17.93	36.79	54.00	17.21 M	Vertical
9920.00	19.14	23.83	42.97	54.00	-11.03	Vertical
12400.00	K * nbotek	Anbo	hotek	54.00	And	Vertical
14880.00	*	sk Anboro	And	54.00	Anbo	Vertical
4960.00	17.68	15.58	33.26	54.00	-20.74	Horizontal
7440.00	19.06	17.93	o ^{te^k 36.99 pr^{b0}}	54.00	-17.01	Horizontal
9920.00	18.16	23.83	41.99	54.00 ^{MNV}	-12.01	Horizontal
12400.00	* tek	Anbore	And	54.00	loo. A	Horizontal
			WO.			10.

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Remark:

14880.00

- 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.

54.00

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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