

Anbotek

Report No.:1812C40008312502

FCC ID: 2BKNU-FX2510

FCC Test Report

Applicant : Shenzhen Lingdechuang Technology Co., Ltd.

Address . 701, Building A, Ruziniu Building, Bantian . Street, Longgang District, Shenzhen, China

Vupo Viek Vupor Viek

Wireless Mobile Private Cloud Disk

Report Date : Sept. 12, 2024

Shenzhen Anbotek

Product Name



Compliance Laboratory Limited







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| | 10.2. Test Setup | or | You | 10018 L | VIII | Polek | Anbo | . 26 | |
| ICK | 10.3. Test Data | otek Vup | 0 | | opole. | Vun | | .27 | |
| APF | PENDIX I TEST SE | TUP PHOTOGRA | APH | Aupo, | -potek | Anbore | Y., | . 30 % | e¥ |
| | PENDIX II EXTERN | | | Pupole. | V. | 1000 | 6 L | . 30 | |
| ΔΡΕ | PENDIX III INTERN | AL PHOTOGRAF | ⊃H <i>νυρ</i> ς | 4. | ek apo | E. | 4. | 30 | 50 |

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TEST REPORT

Applicant Shenzhen Lingdechuang Technology Co., Ltd.

Manufacturer : Shenzhen Lingdechuang Technology Co., Ltd.

Product Name : Wireless Mobile Private Cloud Disk

Model No. : FX2510, FX2511, FX1020, FX1040, FX3520, FX3520S, FX3540S

Trade Mark : N/A

Rating(s) : Input: 5V-- 3A

47 CFR Part 15.247

Test Standard(s) : ANSI C63.10-2020

KDB 558074 D01 15.247 Meas Guidance v05r02

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

| And the contract of the contra | And |
|--|---|
| Date of Test: | Jul. 31, 2024 to Sept. 12, 2024 |
| potek Vupotek Vupotek Vupotek | Andrew Con Andrew Chan Andrew Ann |
| Prepared By: | Cecilia Chen |
| Aupote, Yupotek Vupotes Vupotes | (Cecilia Chen) |
| Anborek Anborek Anbore | Idward pan |
| Approved & Authorized Signer: | Mound pour |
| up. Augora Orek | (Edward Pan) |







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Report No.:1812C40008312502 Anbotek FCC ID: 2BKNU-FX2510

Revision History

| Anbotek | anb. | olek Yu | Revision H | listory, woolek | Aupolek | Aupolek |
|----------------|-------------|------------|----------------|-----------------|----------|------------|
| Re | port Versio | n | Description | on | Issued | l Date |
| polek | R00 | Aupo, Otek | Original Iss | ue. | Sept. 12 | 2, 2024 |
| Aupolek Yun | Anbole | K And | tek Vupojek | Vupor, | Aupolek | Vupore, b |
| Anbolek | Aupor | otek V. | upotek Aupoten | y Von | Aupolek | Vupp Potek |

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1. General Information

1.1. Client Information

| - 200 | V. | Link about the same and the sam |
|--------------|----|--|
| Applicant | : | Shenzhen Lingdechuang Technology Co., Ltd. |
| Address | : | 701, Building A, Ruziniu Building, Bantian Street, Longgang District, Shenzhen, China |
| Manufacturer | : | Shenzhen Lingdechuang Technology Co., Ltd. |
| Address | : | 701, Building A, Ruziniu Building, Bantian Street, Longgang District, Shenzhen, China |
| Factory | : | Shenzhen Lingdechuang Technology Co., Ltd. |
| Address | : | 701, Building A, Ruziniu Building, Bantian Street, Longgang District, Shenzhen, China |

1.2. Description of Device (EUT)

| "po, " " | | poles. Aug. Sek Vulg. |
|------------------------|---|---|
| Product Name | : | Wireless Mobile Private Cloud Disk |
| Model No. | : | FX2510, FX2511, FX1020, FX1040, FX3520, FX3520S, FX3540S (Note: All samples are the same except the model number and appearance color, so we prepare "FX2510" for test only.) |
| Trade Mark | : | N/Aorek Auporek Aupore Auropek Auropek Auropek |
| Test Power Supply | : | DC 5V from adapter input AC 120V/60Hz |
| Test Sample No. | : | 1-2-1(Normal Sample), 1-2-2(Engineering Sample) |
| Adapter | : | N/A Aupotek Vigor Vigorek Viporek Viporek |
| RF Specification | | |
| Operation Frequency | : | 2402MHz to 2480MHz |
| Number of Channel | : | 40 hootek Andoles An botek Andoles And |
| Modulation Type | : | GFSK Anbotek Anbotek Anbotek Anbotek |
| Antenna Type | | FPC Antenna ek Anbotek Anbotek Anbotek Anbotek |
| Antenna Gain(Peak) | : | 0.96dBi |

Remark:

- (1) All of the RF specification are provided by customer.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.









1.3. Auxiliary Equipment Used During Test

| 7. | Title Manufacturer | | Model No. | Serial No. | |
|----|--------------------|--------|-----------|-----------------|--|
| o' | Xiaomi 33W adapter | Xiaomi | MDY-11-EX | SA62212LA04358J | |

1.4. Operation channel list

Operation Band:

| Operation B | arrar | VIII | | 10° | * | | WO. |
|---------------|-------------------------|------------|--------------------|-------------|--------------------|--------------------|--------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 0 4/10 | 2402 Ant | 10 A | 2422 | nb 20 | 2442 | 30 | 2462 |
| 1 An | 2404 | Anboick | 2424 | 251ek | 2444 | 31 | 2464,00010 |
| Anbore 2 | 2406 | 12° | 2426 | 22 nbotel | 2446 | 32 | 001el 2466 AN |
| Aup 3 | 2408 | 13,botek | 2428 | 23 | otek 2448 Anbi | 33 | 2468 |
| Abolek | 2410 | × 14 Anb | 2430 Anbo | 24 | 2450 | nb ⁰ 34 | 2470 |
| 5 Anbol | 2412 | 15 1s | 2432 N | 25 | 2452 | M 35 | 2472 |
| otek 6 M | 100 ¹⁰¹ 2414 | 16 | 2434 | Anb 26 | 2454 | 36°°'' | 2474 |
| Vote V | 2416 | Anb 17 tek | 2436 | 27 | 2456 | 37 Anbo | 2476 |
| 8 tok | 2418 | 18 | 2438 | 28 Anbox | 2458 | otek 38 🕏 | 2478 |
| Ang bolek | 2420 | 19.700 | 2440 | itek 29 Ari | 2460 | 39 | 2480 |

1.5. Description of Test Modes

| Pretest Modes | | Descriptions | |
|---------------|------|--|--|
| K TM10 Kelk | Aupe | Keep the EUT in continuously transmitting mode with GFSK | VU |
| 3 | 40. | 9dn 40. | Keen the FUT in continuously transmitting mode with GESK |









1.6. Measurement Uncertainty

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

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

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

1.7. Test Summary

| Test Items | Test Modes | Status |
|---|------------------|------------|
| Antenna requirement | pote And lotek | nbotek P |
| Conducted Emission at AC power line | Mode1 | Anb Pek |
| Occupied Bandwidth | Mode1 | Rootek |
| Maximum Conducted Output Power | Anbore Model And | P Anbol |
| Power Spectral Density | Mode1 | otek P |
| Emissions in non-restricted frequency bands | Mode1 | P |
| Band edge emissions (Radiated) | Mode1 | Piek |
| Emissions in frequency bands (below 1GHz) | Mode 1 house | And P rick |
| Emissions in frequency bands (above 1GHz) | Mode1 Anboren | P |
| Note: Auporek Aupon | Windows Williams | Vup. |

Note: P: Pass

N: N/A, not applicable







1.8. Description of Test Facility

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

FCC-Registration No.:434132

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

1.9. Disclaimer

- The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 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.
- 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.
- 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

| Aupolek | Cond | ucted Emission at A | C power line | A upolek | Aupote. | K Vun | Anborek |
|---------|---------------------|--|------------------|-----------|------------------|------------|--------------|
| Anbo | Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| P | upolek | L.I.S.N. Artificial Mains Network | Rohde & Schwarz | ENV216 | 100055 | 2024-01-18 | 2025-01-17 |
| spotek | Anbo | Three Phase V- type Artificial Power Network | CYBERTEK | EM5040DT | E215040D T001 | 2024-01-17 | 2025-01-16 |
| Aupolek | 3 | Software Name EZ-EMC | Farad Technology | ANB-03A | N/A | Azboro | Anbotek |
| anb | o ^{te k} 4 | EMI Test Receiver | Rohde & Schwarz | ESPI3 | 100926 | 2023-10-12 | 2024-10-11 |

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Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density

Emissions in non-restricted frequency bands

| | | a | | | | |
|------------------|---|-----------------|----------------|-----------------|------------|--------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| pote¥ | Constant Temperature Humidity Chamber | ZHONGJIAN | ZJ- KHWS80B | N/A Anbo | 2023-10-16 | 2024-10-15 |
| Anbo. | DC Power Supply | IVYTECH | 1006VI | 1804D360 510 | 2023-10-20 | 2024-10-19 |
| 3 | Spectrum Analyzer | Rohde & Schwarz | FSV40-N | 102150 | 2024-05-06 | 2025-05-05 |
| _(e) 4 | 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 ote | MXG RF Vector Signal Generator | Agilent And | N5182A | MY474206 47 | 2024-02-04 | 2025-02-03 |



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| Note | Y Aupo | h otek Anb | Die. VIII | 491 | "Upotek Vi | 'A |
|-------------------|---|------------------|----------------------|-----------------|------------|--------------|
| VIII | otek Aupotek | Vup. | upotek b | upor | P. Polek | Anbole. A |
| | sions in frequency ba edge emissions (Ra | | Aupolek . | Aupole | Vupolek | Aupolek |
| 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 | EMI Preamplifier | SKET Electronic | LNPA- 0118G-45 | SKET-PA- 002 | 2024-01-17 | 2025-01-16 |
| 3 | Double Ridged Horn Antenna | SCHWARZBECK | BBHA 9120D | 02555 | 2022-10-16 | 2025-10-15 |
| 4 | EMI Test Software EZ-EMC | SHURPLE | N/A | N/A | Wootek | Vupor ofek |
| ₀ 10\5 | Horn Antenna | A-INFO | LB-180400- KF | J21106062 8 | 2023-10-12 | 2024-10-11 |
| Anb6iek | Spectrum Analyzer | Rohde & Schwarz | FSV40-N | 102150 | 2024-05-06 | 2025-05-05 |
| Zupo | Amplifier | Talent Microwave | TLLA18G40 G-50-30 | 23022802 | 2024-05-07 | 2025-05-06 |

| Emiss | sions in frequency ba | ands (below 1GHz) | Aupole. | Ann | Anbolek | Anbe -tek |
|------------------|----------------------------|-------------------|----------------------|------------|---------------|--------------|
| 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 |
| And 2 | Pre-amplifier | SONOMA | 310N N | 186860 | 2024-01-17 | 2025-01-16 |
| 3 ^{Anb} | Bilog Broadband Antenna | Schwarzbeck | VULB9163 | 345 | 2022-10-23 | 2025-10-22 |
| 4 | Loop Antenna (9K- 30M) | Schwarzbeck | FMZB1519 B | 00053 | 2023-10-12 | 2024-10-11 |
| 5- | EMI Test Software EZ-EMC | SHURPLE | N/A ^{botet} | N/A | otek / Anbore | K Ando |
| nbole | K Aupolek | Ano. Polek Anbo | tek Vupo | rek kin | Anbotek An | DOLO. VIL |

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Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

2. Antenna requirement

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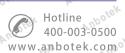
Test Requirement:

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

2.1. Conclusion

The antenna is a FPC Antenna which permanently attached, and the best case gain of the antenna is 0.96dBi. It complies with the standard requirement.

Shenzhen Anbotek Compliance Laboratory Limited



Anbotek





3. Conducted Emission at AC power line

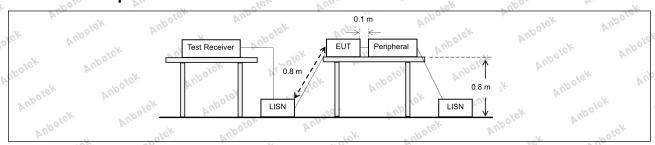
| Otek Vupotek | Refer to 47 CFR 15.207(a), Except section, for an intentional radiator to public utility (AC) power line, the radiator to public utility (AC) power line, the radiator to the | that is designed to be con adio frequency voltage tha | nected to the |
|-------------------|---|--|--------------------|
| Test Requirement: | back onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN). | exceed the limits in the fo | ollowing table, as |
| Vupo | Frequency of emission (MHz) | Conducted limit (dBµV) | ek abolek |
| k Aupole, Aug | rek spokek Aupo | Quasi-peak | Average |
| - dek | 0.15-0.5 | 66 to 56* | 56 to 46* |
| Test Limit: | 0.5-5 K | .56 h | 46 |
| ick upolek | 5-30 hotek And | 60 | 50 |
| Anbout K hotek | *Decreases with the logarithm of the | ne frequency. | botek |
| Test Method: | ANSI C63.10-2020 section 6.2 | polek Aupore | V. Olek |
| Procedure: | Refer to ANSI C63.10-2020 section line conducted emissions from unli | | od for ac power- |

3.1. EUT Operation

Anbotek

| Operating Env | /ironment: | Doles Vi | te _k | upotek | Vupor b | Sporek Wig |
|---------------|-------------------------|-------------|-----------------|------------------|----------------|--------------|
| Test mode: | 1: TX mode: modulation. | Keep the EU | JT in continuo | ously transmitti | ng mode with (| GFSK Anbotek |
| 3.2. Test Se | tup spokek | Vupote. | Vun Polek | Aupolek | Aup | , upotek |

3.2. Test Setup



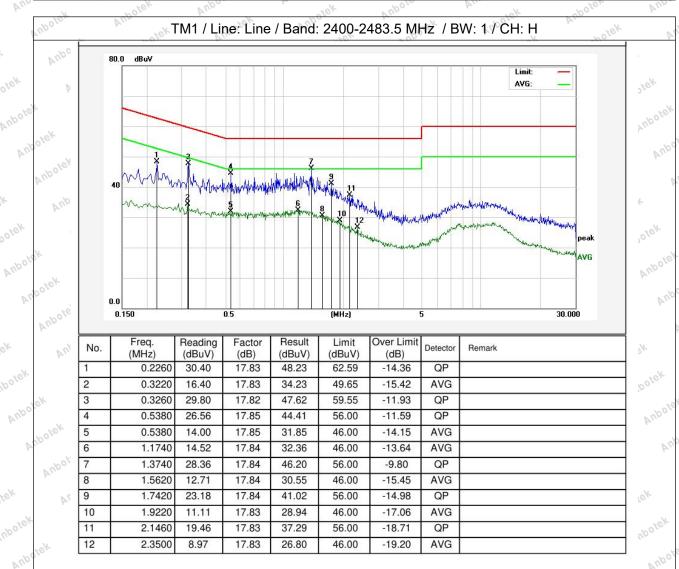






3.3. Test Data

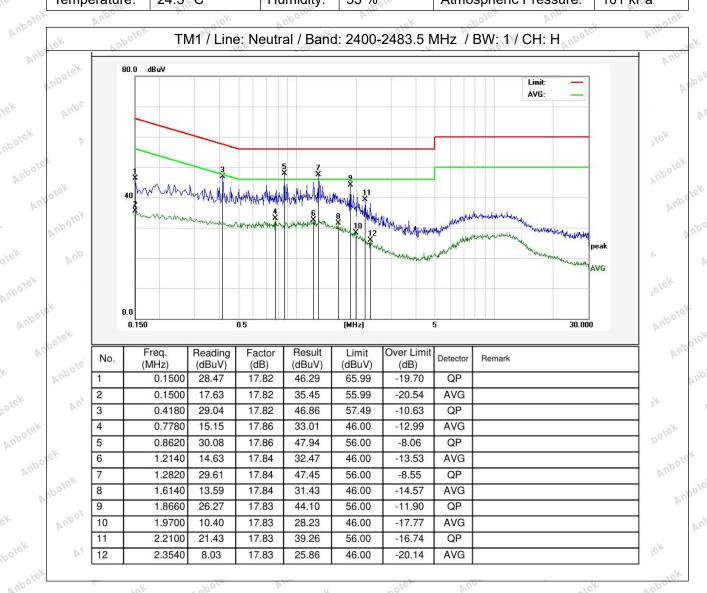
Temperature: 24.3 °C Humidity: 53 % Atmospheric Pressure: 101 kPa







Temperature: 24.3 °C Humidity: 53 % Atmospheric Pressure: 101 kPa







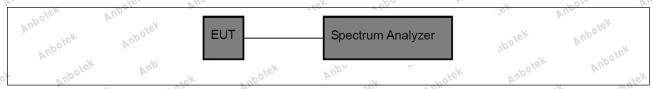
4. Occupied Bandwidth

| 100 N | The state of the s |
|-------------------|--|
| Test Requirement: | 47 CFR 15.247(a)(2) |
| Test Limit: | Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz. |
| Test Method: | ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02 |
| otek Anbotek Anh | 11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. |
| Aupotek Aupotek | b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. |
| Procedure: | f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below |
| Aupotek Aupotek | the "-6 dB down amplitude". If a marker is below this "-6 dB down amplitude" value, then it shall be as close as possible to this value. 11.8.2 Option 2 |
| Anborek Anbo | The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and |
| ipotek Vuporek V | peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the |
| Anboier And | fundamental emission that might be ≥ 6 dB. |

4.1. EUT Operation

| Operating Envi | ronment: | "upolek | Aupo | hotek | Aupole | Vu. |
|----------------|-----------------|--------------|-----------------|-----------------|--------------|-------|
| Test mode: | 1: TX mode: Kee | p the EUT in | continuously to | ransmitting mod | le with GFSK | Vupa |
| Valest mode. | modulation. | Aupo | rek | nbolo | Ar. | lodo. |

4.2. Test Setup



4.3. Test Data

| Temperature: 2 | 22.2 °C | Humidity: 50 % | AUD | Atmospheric Pressure: | 101 kPa |
|----------------|---------|----------------|-----|-----------------------|---------|
|----------------|---------|----------------|-----|-----------------------|---------|

Please Refer to Appendix for Details.







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Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

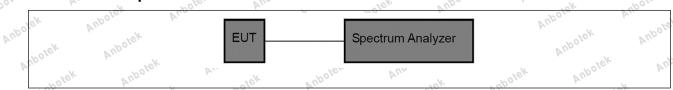
5. Maximum Conducted Output Power

| -00, k. | - VA. | VI. | 101 | ~ 40° | |
|---|---|--|---|---|--|
| Test Requirement: | 47 CFR 15.247(b)(3) | abotek | Aupor | K. Notek | Aupole. |
| Test Limit: Anbotek Anbotek | Refer to 47 CFR 15.24 902-928 MHz, 2400-24 alternative to a peak pocan be based on a mea Maximum Conducted C delivered to all antenna in the signaling alphabe power control level. Po antenna elements. The which the transmitter is multiple modes of oper methods), the maximum power occurring in any | 83.5 MHz, and ower measurer asurement of the Dutput Power is as and antennate when the trawer must be so average must soff or is transration are possion conducted o | d 5725-5850 Mil ment, compliand he maximum co s defined as the a elements aver insmitter is ope ummed across t not include an mitting at a redu ible (e.g., altern | Hz bands: 1 Wa ce with the one onducted outpu e total transmit raged across al rating at its ma all antennas ar y time intervals uced power lev | att. As an Watt limit t power. power I symbols ximum during el. If |
| Test Method: | ANSI C63.10-2020 sec KDB 558074 D01 15.24 | | ance v05r02 | Anbotek . | 'upole', Olek |
| Procedure: | ANSI C63.10-2020, see | ction 11.9.1 Ma | aximum peak c | onducted outpu | t power |
| 5.1. EUT Operation | Vupor Vipotek | Aupoles | K Vun | Anbotek | Anbo |

5.1. EUT Operation

| Operating Envi | ronment: | rotek | Anboick | Vup. | upolek | Aupore | b. |
|----------------|-------------|--------------|--------------|----------------|-----------------|--------|----|
| Test mode: | 1: TX mode | : Keep the E | UT in contin | uously transmi | tting mode with | n GFSK | |
| TOST HOUC. | modulation. | "pole" | ALL | r ~ ~ c/e | Aupo | . Y | ek |

5.2. Test Setup



5.3. Test Data

| | × | Temperature: | 22.2 °C | Humidity: | 50 % | Atmospheric Pressure: | 101 kPa | 4. |
|--|---|--------------|---------|-----------|------|-----------------------|---------|----|
|--|---|--------------|---------|-----------|------|-----------------------|---------|----|

Please Refer to Appendix for Details.







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Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

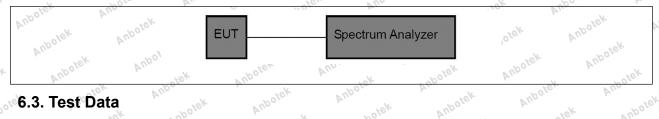
6. Power Spectral Density

| Test Requirement: | 47 CFR 15.247(e) |
|--|---|
| nbotek Test Limit: Anbotek Anbotek Anbotek Anbotek | Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density. |
| Test Method: | ANSI C63.10-2020, section 11.10 KDB 558074 D01 15.247 Meas Guidance v05r02 |
| Procedure: | ANSI C63.10-2020, section 11.10, Maximum power spectral density level in the fundamental emission |
| 6.1. EUT Operation | William Toky William Park Wolfe, Mr. |

6.1. EUT Operation

| 6.1. EUT Op | eration | Aupolek | Aupor | W. Upolek | Aupole. | Alla |
|---------------|-------------------------|-------------|----------------|------------------|--------------|--------------|
| Operating Env | ironment: | Vupotek | Vupo | Spolek | Aupolo | Viek |
| Test mode: | 1: TX mode: modulation. | Keep the EU | T in continuou | sly transmitting | mode with GF | SK And above |
| 6.2. Test Se | tup _k | otek Aug | otek And | abolek A | hotek And | or Aup |

6.2. Test Setup



6.3. Test Data

| Temperature: | 22.2 °C | Humidity: | 50 % | Atmospheric Pressure: | 101 kPa |
|--------------|---------|-----------|------|-----------------------|---------|
|--------------|---------|-----------|------|-----------------------|---------|

Please Refer to Appendix for Details.





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Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

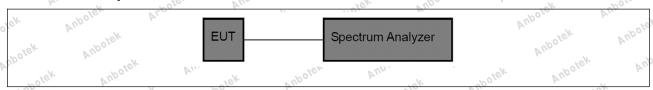
7. Emissions in non-restricted frequency bands

| Test Requirement: | 47 CFR 15.247(d), 15.209, 15.205 |
|---|---|
| Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek | Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. |
| Test Method: | ANSI C63.10-2020 section 11.11 KDB 558074 D01 15.247 Meas Guidance v05r02 |
| Procedure: | ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3 |

7.1. EUT Operation

| Operating Env | ironment: | Vun Jiek | Anbotek | Vupo. | W. Spokek | Aupore. | Viv |
|---------------|----------------------|----------|--------------|-----------------|------------------|---------|-----|
| Test mode: | 1: TX mo modulati | _\ | EUT in conti | inuously transi | mitting mode wit | h GFSK | A) |

7.2. Test Setup



7.3. Test Data

| v. | Temperature: | 22.2 °C | Humidity: | 50 % | Atmospheric Pressure: | 101 kPa | V |
|----|--------------|--|-----------|------|-----------------------|---------|---|
| 2. | * . AV | The state of the s | La U | No. | -10 | | |

Please Refer to Appendix for Details.







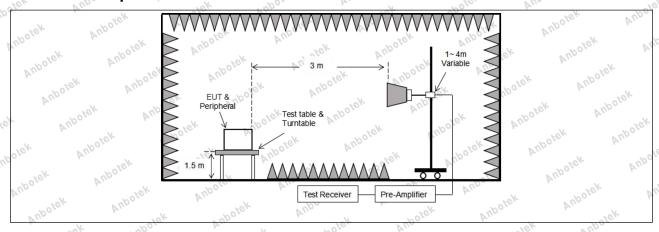
8. Band edge emissions (Radiated)

| Toot Doguite Con | | In addition, radiated emissions | |
|-------------------|--|---|----------------------|
| Test Requirement: | | d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2 | |
| Aupoles Aug | Frequency (MHz) | Field strength | Measurement |
| Aupotek Aupor | Aupotek Aupotes | (microvolts/meter) | distance (meters) |
| abolek Anbo | 0.009-0.490 | 2400/F(kHz) | 300 |
| A. Viek Vup | 0.490-1.705 | 24000/F(kHz) | 30 habote |
| ak Anbo | 1.705-30.0 | 30 Moter Aug | 30 |
| ick apolek | 30-88 | 100 ** | 310 Ans |
| Aor V. | 88-216 | 150 ** | 3 10 10 K |
| abolek Anbo. | 216-960 Above 960 | 200 ** 500 | 3 100 |
| Test Limit: | b., "for | 100 | 7/0 /- P |
| And Smill. | | ragraph (g), fundamental emissi ng under this section shall not b | |
| Aupotek Aupo | frequency bands 54-72 MH | z, 76-88 MHz, 174-216 MHz or 4 | 470-806 MHz. |
| ick aupotek Au | However, operation within t sections of this part, e.g., § | hese frequency bands is permitt & 15 231 and 15 241 | ed under other |
| r polek | | e, the tighter limit applies at the b | and edges. |
| Woley Aug | | in the above table are based on | |
| "Otek Vupore | | peak detector except for the freq | |
| Aug K Polek | | above 1000 MHz. Radiated emis | |
| Vuporer Vun | K | ed on measurements employing | an average |
| K. Vick Pupol | detector. | otek Aup Kote | k Aupor |
| Test Method: | ANSI C63.10-2020 section KDB 558074 D01 15.247 M | | otek Anbotek |
| Procedure: | ANSI C63.10-2020 section | 6.10.5.2 | abotek Aupor |

8.1. EUT Operation

| Operating Envi | ronment: | Aupor | holek. | Anbore | Aug Olek | Aupolek |
|----------------|------------------------|--------------|----------------|-----------------|-----------------|------------|
| Test mode: | 1: TX mode modulation. | : Keep the E | UT in continuo | usly transmitti | ng mode with GI | SK Anbotek |

8.2. Test Setup

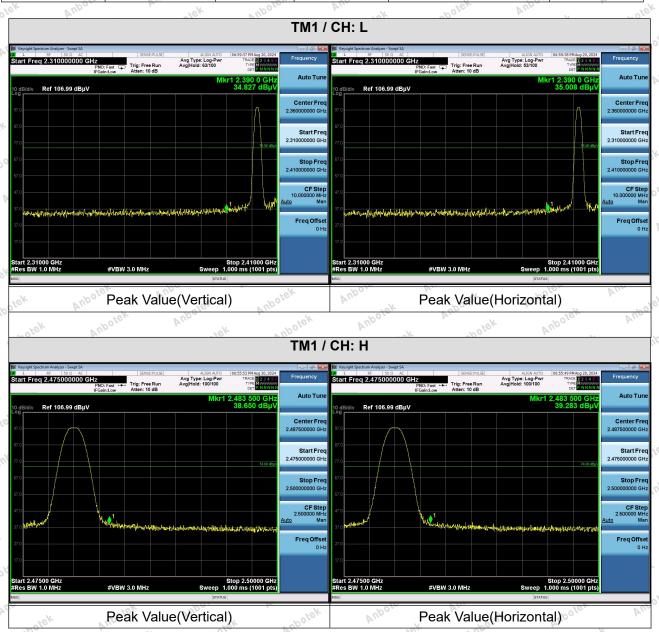






8.3. Test Data

Temperature: 22.2 °C Humidity: 50 % Atmospheric Pressure: 101 kPa



Remark

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

Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

9. Emissions in frequency bands (below 1GHz)

| Test Requirement: | restricted bands, as define |), In addition, radiated emissions ed in § 15.205(a), must also com pecified in § 15.209(a)(see § 15.2 | ply with the |
|--|--|--|---|
| Aupotek Aupotek | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| abolek Anbo | 0.009-0.490 | 2400/F(kHz) | 300 |
| All. | 0.490-1.705 | 24000/F(kHz) | .30 hole |
| k Wupong W | 1.705-30.0 | 30 K hotek Anb | 30 |
| " "otek | 30-88 | 100 ** | 3 rek And |
| Oler YUN | 88-216 | 150 ** NAPOTO | 3 |
| rek vuporer | 216-960 | 200 ** | 3 nbole |
| Vupo, W. | Above 960 | 500 botek And | 3 Nek |
| Wing Office Wings | frequency bands 54-72 MI | ting under this section shall not l Hz, 76-88 MHz, 174-216 MHz or | 470-806 MHz. |
| Aupotek Aupotek Vale Vale Vale Vale Vale Vale Vale Vale | frequency bands 54-72 Mill However, operation within 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 these three bands are bas detector. | ting under this section shall not be Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. The tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emissed on measurements employing | be located in the 470-806 MHz. tted under other band edges. In measurements quency bands 9- ssion limits in |
| Test Method: | frequency bands 54-72 Mills However, operation within 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 these three bands are based to see the section within the section of the section within the section within the section within the section of the section within the section with | ting under this section shall not be Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. The tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emitted on measurements employing to 6.6.4 | be located in the 470-806 MHz. tted under other band edges. In measurements quency bands 9- ssion limits in |
| Test Method: | frequency bands 54-72 Mill However, operation within 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 these three bands are bas detector. ANSI C63.10-2020 section | ting under this section shall not be Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. The tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emitted on measurements employing to 6.6.4 Meas Guidance v05r02 | be located in the 470-806 MHz. tted under other band edges. n measurements quency bands 9- ssion limits in |

9.1. EUT Operation

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| Operating Envi | ronment: | And | holek | Anbor | W. Otek | Aupole. |
|----------------|-------------|-------------|-----------------|-----------------|-----------------|----------|
| Test mode: | 1: TX mode: | Keep the El | JT in continuou | sly transmittir | ng mode with GF | SK Jolek |
| rest mode. | modulation. | rel | Aupole | VIII | ek abotek | And |





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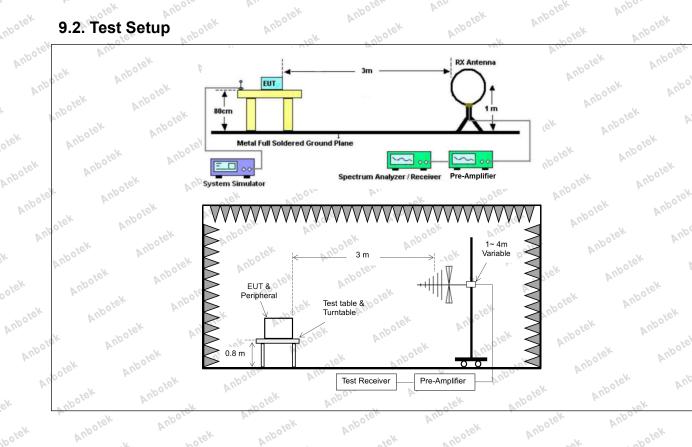
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Anbolek 9.2. Test Setup



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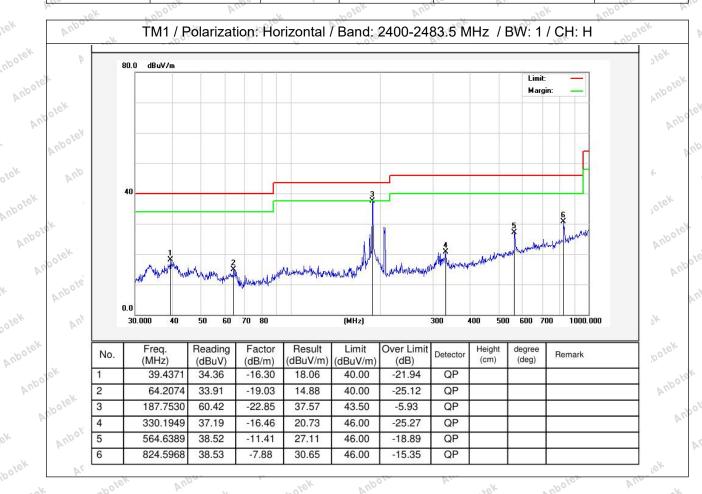




9.3. Test Data

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

| Temperature: 20.3 °C Humidity: 46 % Atmospheric Pressure: 101 kPa | | Temperature: | 20.3 °C | Hum | idity: 46 % | VUB | Atmospheric Pressure: | 101 kPa | - Pr |
|---|--|--------------|---------|-----|-------------|-----|-----------------------|---------|------|
|---|--|--------------|---------|-----|-------------|-----|-----------------------|---------|------|









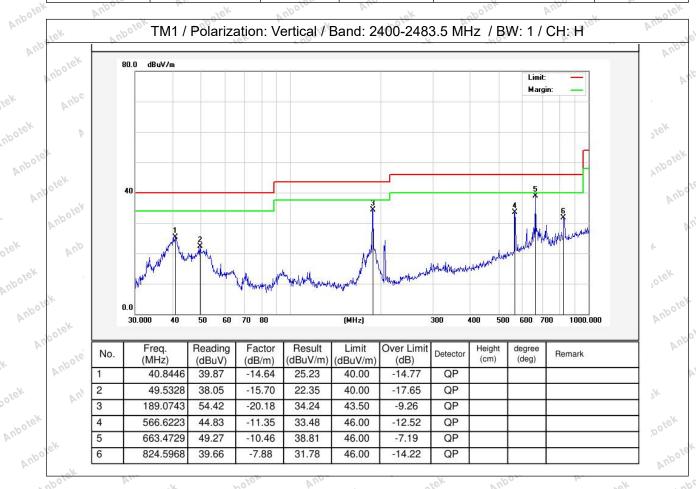
Anbolek

Aupolek

Aupolek

Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

Anbolek Temperature: 20.3 °C Humidity: 46 % Atmospheric Pressure: 101 kPa







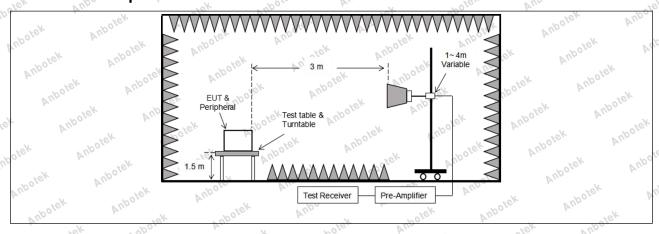
10. Emissions in frequency bands (above 1GHz)

| Test Requirement: | | ons which fall in the restricted background the comply with the radiated emission 5(c)). | |
|-------------------|--|--|----------------------------------|
| Aupotek Aupotek | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| Auporen Aup | 0.009-0.490 0.490-1.705 | 2400/F(kHz) 24000/F(kHz) | 300 |
| ek Anbotek Anb | 1.705-30.0 | 30 K hotek And | 30 |
| iek "upolek | 30-88 | 100 ** | 3 tel |
| Aos W. Wolek | 88-216 216-960 | 150 ** 200 ** | 3 nbotek |
| Aupole, Aug Siek | Above 960 | 500 abotek Anbat | 3 week |
| Test Limit: | | ragraph (g), fundamental emissi | |
| abotek Anbore | | ing under this section shall not b z, 76-88 MHz, 174-216 MHz or | |
| ek Anborek An | However, operation within t sections of this part, e.g., § | hese frequency bands is permitt § 15.231 and 15.241. | ed under other |
| botek Anbote | | e, the tighter limit applies at the b in the above table are based on | |
| Vupotek Vupotek | employing a CISPR quasi-p 90 kHz, 110–490 kHz and a | peak detector except for the freq above 1000 MHz. Radiated emis | uency bands 9– sion limits in |
| Aupoles Aug | these three bands are base detector. | ed on measurements employing | an average |
| Test Method: | ANSI C63.10-2020 section KDB 558074 D01 15.247 M | | potek Anbotek |
| Procedure: | ANSI C63.10-2020 section | 6.6.4 otek And | abotek Anbor |

10.1. EUT Operation

| Operating Envi | ronment: | Aupor | holek | Anbole | And | Aupolek |
|----------------|------------------------|-------|------------------|-----------------|-----------------|------------|
| Test mode: | 1: TX mode modulation. | Dav. | EUT in continuou | ısly transmitti | ng mode with GF | SK Anborek |

10.2. Test Setup





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Report No.:1812C40008312502 Anbotek FCC ID: 2BKNU-FX2510

Aupolek 10.3. Test Data

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Anbotek

Anboiek

| 10.3. Test Data | Aupolek 16k | Vupo, upolek | Aupotek Aupote | Otek Anbotek |
|----------------------|-------------|--------------|-------------------|--------------|
| Temperature: 22.2 °C | Humidity: | 50 % | Atmospheric Press | ure: 101 kPa |

Aupolek

| Yo | Vupore. | Vun FEK | Notok | Vup. | k abolek | Aupolo | D. |
|------|--------------------|-------------------|------------------|--------------------|------------------------|--------------------|--------------|
| 3K | All | -16 _F | VUD. | TM1 / CH: L | K | Ъ, | v |
| Pe | ak value: | | | | | | |
| | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| | 4804.00 | 28.73 | 15.27 | 44.00 | 74.00 | -30.00 | Vertical |
| | 7206.00 | 28.75 | 18.09 | 46.84 | 74.00 | -27.16 | Vertical |
| S/r | 9608.00 | 29.69 | 23.76 | 53.45 | 74.00 | -20.55 | Vertical |
| ~0 | 12010.00 | * And | tek anbo | ick Vupp | 74.00 | olek Vupo | Vertical |
| 10 | 14412.00 | polek * Aup | -V | potek An | 74.00 | Viek P | Vertical |
| P | 4804.00 | 28.37 | 15.27 | 43.64 | 74.00 | -30.36 | Horizontal |
| | 7206.00 | 29.37 | 18.09 | 47.46 | 74.00 | -26.54 | Horizontal |
| | 9608.00 | 28.23 | 23.76 | 51.99 | 74.00 | -22.01 | Horizontal |
| V | 12010.00 | *hotes | Vun | "Upotek | 74.00 | k polek | Horizontal |
| G. | 14412.00 | ek * " " pole | K Aupor | , ho' | 74.00 | D. | Horizontal |
| Α١ | verage value: | | | | | | |
| | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization |
| , | 4804.00 | 17.00 | 15.27 | 32.27 | 54.00 | -21.73 | Vertical |
| | 7206.00 | 17.80 | 18.09 | 35.89 | 54.00 | -18.11 | Vertical |
| ole | 9608.00 | 19.16 | 23.76 bolts | 42.92 | 54.00 100 | -11.08 | Vertical |
| | 12010.00 | * Yun | 16k 04 | lotek Vup. | 54.00 | Potek Vup | Vertical |
| VU | 14412.00 | upotek * Ar | 100, 1 | polek ! | 54.00 | rek | Vertical |
| | 4804.00 | 16.70 | 15.27 | 31.97 | 54.00 | -22.03 | Horizontal |
| | 7206.00 | 18.40 | 18.09 | 36.49 | 54.00 | -17.51 | Horizontal |
| Y. | 9608.00 | 17.74 | 23.76 | 41.50 | 54.00 | -12.50 | Horizontal |
| 2/2 | 12010.00 | * * Aubolek | VU. | k apole | 54.00 | you you | Horizontal |
| 100% | 14412.00 | * * % | iek Wupo. | | 54.00 mbg | to VIII | Horizontal |

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Report No.:1812C40008312502 Anbotek

FCC ID: 2BKNU-FX2510

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| | Aupolek A | ^{upotek} Vu | TM1 / CH: M | Aupotek A | ~/o. | Aupolek |
|--------------------|-------------------|----------------------|--------------------|----------------------------|--------------------------|--------------|
| Peak value: | | | 11111 / 011. 111 | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4880.00 | 28.28 | 15.42 | 43.70 | o ^{tek} 74.00 And | -30.30 | Vertical |
| 7320.00 | 28.72 | 18.02 | 46.74 | 74.00 | -27.26 | Vertical |
| 9760.00 | 29.19 | 23.80 | 52.99 | 74.00 | -21.01 | Vertical |
| 12200.00 | Aupo* | Yun Fek | Aupolek | 74.00 | abolek . | Vertical |
| 14640.00 | *polek | Aupole. | Polek | 74.00 | All. | Vertical |
| 4880.00 | 28.18 | 15.42 | 43.60 | 74.00 | -30.40 | Horizontal |
| 7320.00 | 29.24 | 18.02 | 47.26 | 74.00 | otek -26.74 Anbo | Horizontal |
| 9760.00 | 27.95 M | 23.80 | 51.75 | 74.00 | -22.25 | Horizontal |
| 12200.00 | "olek* | Aupole. b | rek. | 74.00 | Anbo | Horizontal |
| 14640.00 | Aug * | abotek | Aupore | 74.00 | Anborok | Horizontal |
| Average value | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization |
| 4880.00 | 17.09 | otek 15.42 km | 32.51 | 54.00 | -21.49 | Vertical |
| 7320.00 | 17.66 | 18.02 | 35.68 | 54.00 | -18.32 | Vertical |
| 9760.00 | 19.01 | 23.80 | 42.81 | 54.00 | -11,19 | Vertical |
| 12200.00 | *101 | Aupore | A. Otek | 54.00 | Vun. | Vertical |
| 14640.00 | * Alek | Anbolek | Augo | 54.00 | Aupole | Vertical |
| 4880.00 | 16.81 | 15.42 | 32.23 | 54.00 | -21.77 ₀₀ 000 | Horizontal |
| 7320.00 | 18.75 18.75 | 18.02 | 36.77 NO | 54.00 And | -17.23 | Horizontal |
| 9760.00 | 18.04 | 23.80 | 41.84 | 54.00 | -12.16 | Horizontal |
| 12200.00 | VUD * | abolek | Aupor | 54.00 | Aupolek | Horizontal |
| 14640.00 | Aupor* | VI. | Aupolek | 54.00 | nbotek. | Horizontal |

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| "Otek | Aupo | 191 | nbore | VII. | poler | AUD |
|--------------------|-------------------|------------------|--------------------|------------------------|--------------------|--------------|
| | | | TM1 / CH: H | | | |
| Peak value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 28.41 | 15.58 no | 43.99 | 74.00 pm | -30.01 | Vertical |
| 7440.00 | 28.88 | 17.93 | 46.81 | 74.00 | -27.19 | Vertical |
| 9920.00 | 29.89 | 23.83 | 53.72 | 74.00 | -20.28 | Vertical |
| 12400.00 | abotek | Aupore | "otek | 74.00 | Vier | Vertical |
| 14880.00 | * 016K | Aupole | Aug | 74.00 | Anbore | Vertical |
| 4960.00 | 28.32 | 15.58 | 43.90 | 74.00 | -30.10 | Horizontal |
| 7440.00 | 29.45 | 17.93 | 47.38 | 74.00 | -26.62 | Horizontal |
| 9920.00 | 16×28.33 | 23.83 | 52.16 | 010 74.00 And | -21.84 | Horizontal |
| 12400.00 | * | abolek A | Upor K | 74.00 | Aupolo. A | Horizontal |
| 14880.00 | Anbore * | Notek. | Vupolek. | 74.00 | * upolek | Horizontal |
| Average value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 18.21 | 15.58 | 33.79 And | 54.00 | ~ 20.21 kg/c | Vertical |
| 7440.00 | 18.93 M | 17.93 | 36.86 | 54.00 | -17.14 | Vertical |
| 9920.00 | 19.66 | 23.83 | 43.49 | 54.00 | -10.51 | Vertical |
| 12400.00 | Vup * | abotek | Aupo | 54.00 | Anbote | Vertical |
| 14880.00 | Vulto. | hotek | Aupole | 54.00 | Nupolek . | Vertical |
| 4960.00 | 17.99 | 15.58 | 33.57 | 54.00 | -20.43 | Horizontal |
| 7440.00 | 19.55 | 17.93 | 37.48 | 54.00 NO | -16.52 | Horizontal |
| 9920.00 | 18.19 | 23.83 | 42.02 | 54.00 | 1001e -11.98 Ani | Horizontal |
| 12400.00 | "upole" * V | iek. | · upolek | 54.00 | Polek | Horizontal |
| 14880.00 | notak | Aupo | Viek. | 54.00 | VII. | Horizontal |

Remark:

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





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Report No.:1812C40008312502 FCC ID: 2BKNU-FX2510

APPENDIX I -- TEST SETUP PHOTOGRAPH

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

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APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

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And of Report -----

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