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Report No.:1812C40069512501 FCC ID:2AOV6-HP479

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Anbotel FCC Test Report

Applicant

Shenzhen Minsuo Industrial Co.,Ltd.

Anbotek

Address

Product Name

12th floor, Block B, Tengyao Building, No. 268 Gushu 2nd road, Xixiang Town, Bao'an, Shenzhen, Guangdong, China

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TURE WIRELESS STEREO EARBUDS WITH LED CHARGING CASE

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Report Date

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Sept. 24, 2024

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Compliance Laboratory

Shenzhen Anbotek Compliance Laboratory Limited

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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Fechnology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China, 💥 Email: service@anbotek.com Tel:(86)0755-26066440







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Report No.:1812C40069512501 Anbotek FCC ID:2AOV6-HP479

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| 1.3. Auxiliary Equipment Used Duri | ng Test | | | | ,tex |
| 1.4. Operation channel list | | | | ~/o ¹⁰ K | <u>kupo</u> |
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| 1.7. Test Summary | Puro. | | hotek | Anbo | atek. |
| 1.8. Description of Test Facility | wa ^k | bore | Vur | bolok | Anbo |
| 1.9. Disclaimer | ······ | | hupor | N | K |
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| 9.3. Test Data | . npoter | | | - work | |
| 10. Band edge emissions (Radiated) | be. | 10 . 19. | Anbotek | AII- | botek |

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| V91 | | | | | | | te. Vur | 29 |
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| 1 | 11.3. Te | st Data | | | | | VUSOLO. | 32 |
| × | 12. Emission | s in frequency | v bands (above | e 1GHz) | | Anbo | | 34 Anb ^{ore} |
| Note K | | | | | | sk Anbors | | et34 mbo |
| , 00 | 12.2. Te | st Setup | | | 3r Ann | | 1001 1011 A | 35 |
| A nbote | 12.3. Te | st Data | tek pupo. | · · · · · · · · · · · · · · · · · · · | | pore An | | |
| r | APPENDIX I | TEST SET | JP PHOTOGR | APH | | | Aupo | 39 |
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Report No.:1812C40069512501 FCC ID:2AOV6-HP479

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TEST REPORT

Applicant

Manufacturer

Product Name

Model No.

Trade Mark

Rating(s)

Shenzhen Minsuo Industrial Co.,Ltd.

Shenzhen Minsuo Industrial Co., Ltd.

TURE WIRELESS STEREO EARBUDS WITH LED CHARGING CASE

HP-479, INV01001

;≫ N/A

Case Input: 5V- 1A(with DC 3.7V, 200mAh Battery inside) Single Earphone Input: DC 3.7V, 30mAh Battery inside

Test Standard(s)

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:

Sept. 06, 2024

Sept. 06, 2024 to Sept. 19, 2024

Nian Xiu Chen

(Nianxiu Chen)

Idward pan

Approved & Authorized Signer:

(Edward Pan)

Shenzhen Anbotek Compliance Laboratory Limited

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







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Report No.:1812C40069512501 Anbotek FCC ID:2AOV6-HP479 Anbot

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Report No.:1812C40069512501 FCC ID:2AOV6-HP479

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1. General Information

1.1. Client Information

| Applicant | : Shenzhen Minsuo Industrial Co.,Ltd. |
|-----------------|--|
| Address | 12th floor, Block B, Tengyao Building, No. 268 Gushu 2nd road, Xixiang Town, Bao'an, Shenzhen, Guangdong, China |
| Manufacturer | : Shenzhen Minsuo Industrial Co.,Ltd. |
| Address | 12th floor, Block B, Tengyao Building, No. 268 Gushu 2nd road, Xixiang Town, Bao'an, Shenzhen, Guangdong, China |
| Factory | : Shenzhen Minsuo Industrial Co.,Ltd. |
| Address | 12th floor, Block B, Tengyao Building, No. 268 Gushu 2nd road, Xixiang Town, Bao'an, Shenzhen, Guangdong, China |
| 1.2 Description | a of Dovice (EUT) sobolet And to solet And |

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1.2. Description of Device (EUT)

| Ali | And tek photo the polo | P. |
|--|--|----------------|
| Product Name | TURE WIRELESS STEREO EARBUDS WITH LED CHARGING CASE | ſ |
| Model No. | HP-479, INV01001 (Note: All samples are the same except the model number, so we prepare "HP-479" for test only.) | e ^V |
| Trade Mark | N/A Anbotek Anbotek Anbotek Anbotek Anbotek | |
| Test Power Supply | AC 120V/60Hz for Adapter/ DC 3.7V Battery inside | 100 |
| Test Sample No. | 1-2-1(Normal Sample), 1-2-2(Engineering Sample) | Ant |
| Adapter | N/A Anbote And Anbotek Anbotek Anbotek Anbotek | |
| RF Specification | | |
| Operation Frequency | 2402MHz to 2480MHz | 1ex |
| Number of Channel | 79 hoter And Lotek Andorek Andor tek ubotek A | 'upor |
| Modulation Type | GFSK, π/4 DQPSK | PL |
| Antenna Type | PCB Antenna | |
| Antenna Gain(Peak) | o-0.58dBi Anbotek Anbotek Anbotek Anbotek | 6 |
| (2) For a more detaileUser's Manual.(3) The EUT consists | ation are provided by customer. eatures description, please refer to the manufacturer's specifications or the two parts, the left and right earphone, both have been tested and only the | otek Antoo |

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test data of right earphone recorded in this report.

Shenzhen Anbotek Compliance Laboratory Limited

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1.3. Auxiliary Equipment Used During Test

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

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1.4. Operation channel list

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Operation Band:

| Operation B | and: poter | Anbo | botek | Aupor | P | ek An | Frequency |
|------------------------------|----------------------------|-----------------------|-------------------------|----------------------|-------------------------|----------------------|---------------------------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| ⁹¹ 00/10 | 2402 | 20 | 10010 ¹ 2422 | 40 | 2442 | Ano 60 | 2462 |
| × 1 | oo ^{tek} 2403 Ant | 21 | 2423 | Anbote1 | 2443 | 61ºtek | 2463 |
| 1.eK2 | 2404 | Anbo 22 | 2424 | A2 | 2444 | 62 Anbot | 2464 |
| 3.4 | 2405 | 23 | 2425 | 43 note | 2445 | 10K 63 | o ^{otek} 2465 ^{Mit} |
| Anbota tek | 2406 | 24 ^{//010/} | 2426 | ok 44 Ant | 2446 | 64 | 2466 |
| 5 | 2407 nbot | × 25 Anb | 2427 | bote 45 | 2447 | 65 | 2467 |
| 6 Anbo | 2408 | pote ^k 26 | 2428 | 46 | 2448 | And 66 tek | 2468 |
| ^{ek} 7 ^k | 2409 | 27 | 2429 | Am 47 tek | 2449 | 67 | 2469 not |
| bole8 | 2410 | 28 | 2430 | 48 | × 2450 000 | 68 Anbc | 2470 |
| Ant9tek | 2411 | 29 01e | 2431 | 49 | oter 2451 Ant | o ^{tek} 69 | 2471 |
| 10 notek | 2412 | 30 | otek 2432 Auto | 50 An | 2452 | Anbot 70 | 2472 |
| 11 | 2413 Mnb ⁰ | 31 | 2433 | n ^{bote} 51 | 2453 | Ang 1 ok | 2473 |
| 12 | 2414 N | 32 | 2434 | 52 | 2454 | 72, botek | 2474 |
| 13 | 2415 | Anto 33 | 2435 | 53°°' | 2455 | × 73 no | 1 ^{ck} 2475 Anbo |
| 14 NK | 2416 | 34 | 2436 | 54 Anbo | 2456 | , 14 North 14 | 2476 |
| 15 | 2417 otek | 35 Anbolt | 2437 | otek 55 N | 100 ¹⁰¹ 2457 | 75 | 2477 |
| 16 ^{.nbote} | 2418 | ie ^k 36 Mi | 2438 | 56 | 2458 | Anborre Tek | 2478 |
| 17 An ^b | 2419 | 010'37 | 2439 | 57.ek | 2459 | 77 | 2479 |
| o ^{tek} 18 | 2420 | 38 | 2440 | 58 | 2460 | 78 ^{,nbots} | 2480 |
| nb 19 | 2421 | 39 otek | 2441 ⁰¹⁰¹ | 59 | 2461 00 | ek - Aul | 10 |

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1.5. Description of Test Modes

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| Pretest Modes | Descriptions |
|---------------------|---|
| AnboTM1 Anbot | Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation. |
| otek AND AND | Keep the EUT in continuously transmitting mode (non-hopping) with $\pi/4$ DQPSK modulation. |
| Anbolek TM3 | Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,. |
| Anbotek TM4 Anbotek | Keep the EUT in continuously transmitting mode (hopping) with $\pi/4$ DQPSK modulation. |

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1.6. Measurement Uncertainty

| Parameter | Uncertainty |
|--|---|
| Conducted emissions (AMN 150kHz~30MHz) | 3.4dB hootek Anbore An abotek A |
| Occupied Bandwidth | 925Hz hove And borek |
| Conducted Output Power | 0.76dB |
| Conducted Spurious Emission | 1.24dB |
| Dwell Time | 2% tek Anbote Anbote Antonio |
| Radiated spurious emissions (above 1GHz) | 1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB |
| Radiated emissions (Below 30MHz) | 10 3.53dB And Lek Anderek Ander |
| Radiated spurious emissions (30MHz~1GHz) | Horizontal: 3.92dB; Vertical: 4.52dB |

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level using a coverage factor of k=2.

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ek D 0 **Product Safety**

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| Antenna requirement | K notek | 00 |
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| 191 V V V V V V V V V V V V V V V V V V | Loter And | A ⁿ P |
| Conducted Emission at AC power line | Mode1,2 Mode1 | P ^{nbo} |
| Occupied Bandwidth | Mode1,2 | F P And |
| Maximum Conducted Output Power | Mode1,2 | p ^{otek} P |
| Channel Separation | Mode3,4 | AnboteP |
| Number of Hopping Frequencies | Mode3,4 | AnBrek |
| Dwell Time And | Mode3,4 | PAnbole |
| Emissions in non-restricted frequency bands | Mode1,2,3,4 | |
| Band edge emissions (Radiated) | Mode1,2 | Notek P |
| Emissions in frequency bands (below 1GHz) | Mode1,2 | ND NOVER |
| Emissions in frequency bands (above 1GHz) | Mode1,2 | Ant P tek |

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Report No.:1812C40069512501 FCC ID:2AOV6-HP479

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

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

1.9. Disclaimer

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
 - 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
 - 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
 - 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
 - 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 | Anbotek |
|-------|---------------------|-----------------|-----------|
| Cond | ucted Emission at A | C power line | Anboten |
| Item | Equipment | Manufacturer | Model No. |
| 1 | L.I.S.N. Artificial | Dobdo & Sobworz | |

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| al Rohde & Schwarz /- k CYBERTEK k Farad Technology | EM5040DT E2 | 100055 215040D T001 | 2024-01-18 2024-01-17 | 2025-01-17 2025-01-16 |
|--|----------------|---------------------------|-----------------------------|--|
| CYBERTEK | EM5040D1 | °T001 | 2024-01-17 | 2025-01-16 |
| e Farad Technology | ANB-03A | NOTE: | | P. |
| | Ano | N/A | An | Antogreek |
| ver Rohde & Schwarz | ESPI3 | 100926 | 2023-10-12 | 2024-10-11 |
| anboten Anto | at abover | Aupon | | tek Aupore |
| Output Power requencies | nbotek Anbotel | k Ant | 1 C V V | nbotek Antro |
| ricted frequency bands | Anbotek Ant | Anbotek | Anbotek | Ano |
| Manufacturer | Model No. S | erial No. | Last Cal. | Cal.Due Date |
| ZHONGJIAN | ZJ- KHWS80B | N/A Anbor | 2023-10-16 | 2024-10-15 |
| ply IVYTECH | IV3605 | 804D360 510 | 2023-10-20 | 2024-10-19 |
| Rohde & Schwarz | FSV40-N | 102150 | 2024-05-06 | 2025-05-05 |
| | N9020A | Y505318 23 | 2024-02-22 | 2025-02-21 |
| KEYSIGHT | | | to Vur | 2024 10 14 |
| KEYSIGHT | MDO3012 C | 020298 | 2023-10-12 | 2024-10-11 |
| Tektronix | N5182A M | | 2023-10-12 2024-02-04 | 2024-10-11 |
| e to | tor Agilent | tor Agilent N5182A M | tor Agilent N51820 MY474206 | tor Agilent N5182A MY474206 2024-02-04 |

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|----------------|---|------------------|----------------------|-----------------|------------|--------------|---------|
| Anbote | k Anbotek | Anbu abotek Anb | otek Anbo | hotek | Anbotek Ar | hoten And | nbott |
| | edge emissions (Ra sions in frequency ba | | Aupoten A | nbotek | Anbotek | Anbo | An |
| ltem | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date | |
| <u></u> ∦1 | EMI Test Receiver | Rohde & Schwarz | ESR26 | 101481 | 2024-01-23 | 2025-01-22 | ŀ |
| °°58€ | EMI Preamplifier | SKET Electronic | LNPA- 0118G-45 | SKET-PA- 002 | 2024-01-17 | 2025-01-16 | otek |
| 3,bot | Double Ridged Horn Antenna | SCHWARZBECK | BBHA 9120D | 02555 | 2022-10-16 | 2025-10-15 | Lupo, |
| 4 _P | EMI Test Software EZ-EMC | SHURPLE | N/A | N/A | Anbore | Amanboliek | P |
| 5 | Horn Antenna | A-INFO | LB-180400- KF | J21106062 8 | 2023-10-12 | 2024-10-11 | |
| 6 | Spectrum Analyzer | Rohde & Schwarz | FSV40-N | 102150 | 2024-05-06 | 2025-05-05 | the set |
| 10010 7 | Amplifier | Talent Microwave | TLLA18G40 G-50-30 | 23022802 | 2024-05-07 | 2025-05-06 | 0 CC |
| AUD | k notek | Anbo | Nek | Anbore | An | aboten | Pup. |

| Emis | sions in frequency ba | And | Anbotek | Anbor | n botek | |
|------------------|-----------------------------|-----------------|---------------------|------------|------------|--------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| otet | EMI Test Receiver | Rohde & Schwarz | ESR26 | 101481 | 2024-01-23 | 2025-01-22 |
| 2 tel | Pre-amplifier | SONOMA | 310N ¹⁰⁰ | 186860 | 2024-01-17 | 2025-01-16 |
| 3 Anto | 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 |
| e [*] 5 | EMI Test Software EZ-EMC | NDOVEK SHURPLE | N/A | N/Apotek | Aupor | ek Anbotek |
| nbotek | Anbo | Anbotek Anbote | All abo | tek Anb | oter And | hotek Anbo |
| bote | Anbo. | r stek Anb | Deo An. | .ek | aboten Ar | 10 |

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| otek | 2. Antenna requ | uirement | Anbolek | Anborotek | Anbotek | Anbote. |
|---------|-------------------|---|-----------------|-----------------|----------------|--------------|
| Anbotek | Test Requirement: | Refer to 47 CFR F ensure that no and shall be used with | tenna other tha | n that furnishe | d by the respo | nsible party |
| Anb | nbotek Anbotek | of an antenna that considered sufficie | | | | |

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2.1. Conclusion

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The antenna is a PCB Antenna which permanently attached, and the best case gain of the antenna is -0.58dBi. It complies with the standard requirement. Anbotek Anbote AND

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nbotel 3. Conducted Emission at AC power line

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| Test Requirement: | Refer to 47 CFR 15.207(a), Except section, for an intentional radiator to public utility (AC) power line, the radiator back onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 μ H/50 ohms (LISN). | hat is designed to be con adio frequency voltage that y frequency or frequencie exceed the limits in the fo | nected to the it is conducted s, within the ollowing table, as | | |
|-------------------|--|--|---|--|--|
| hotek Anbor | Frequency of emission (MHz) | Conducted limit (dBµV) | Anbor | | |
| Ano | otek Anbo | Quasi-peak | Average wover | | |
| KAn | 0.15-0.5 | 66 to 56* | 56 to 46* | | |
| Test Limit: | 0.5-5 AM above | 56 And | 46 Anbo | | |
| otek Anbo | 5-30 K Andrew Andrew | 00 Mar 19 | 50 | | |
| stek Anbolek | *Decreases with the logarithm of the frequency. | | | | |
| Test Method: | ANSI C63.10-2020 section 6.2 | Anboten And Akek | Anbolek | | |
| Procedure: | Refer to ANSI C63.10-2020 section line conducted emissions from unli | | od for ac power- | | |

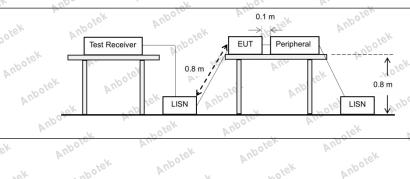
3.1. EUT Operation

Operating Environment:

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| Operating Env | ronment: | ek abotek | Anboten | Pur Polek | Anbotek | Anbo |
|---------------|-------------------------------|--|----------------|------------|---------|-------|
| Test mode: | hopping) with 2: TX-π/4-DQ | Non-Hopping): Ke GFSK modulation PSK (Non-Hoppin with π/4 DQPSK | g): Keep the E | tek Anboro | Bu. | . ex- |
| 3.2. Test Set | | nbotek | Anbo | botek | Anbore | Am |

3.2. Test Setup AUD



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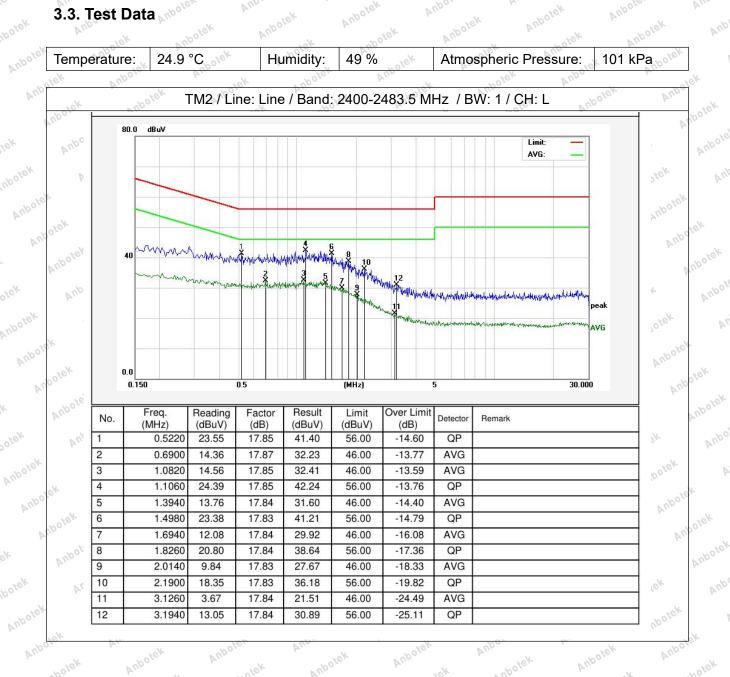
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3.3. Test Data



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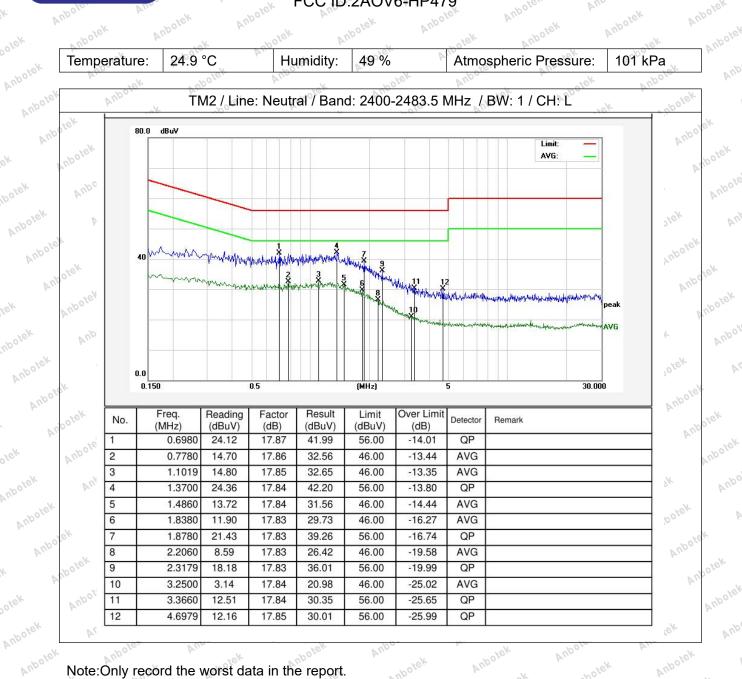
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Note:Only record the worst data in the report.

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Anbotek 4. Occupied Bandwidth

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

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| 4.1. EUT Operati | on Anbore | Anbotek | Anboten | Ano | Anbotek | Anbor |
|------------------------|--|------------------------------|----------------|---------|----------|---------------|
| Operating Environm | ent: | sk Anboten | And | abotek | Anbor | |
| Test mode: hop 2: 7 | ΓX-GFSK (Non-Hopp oping) with GFSK mo ΓX-π/4-DQPSK (Non n-hopping) with π/4 I | dulation. -Hopping): Keep | the EUT in con | ter And | | tek Nootek |
| 4.2. Test Setup | otek Anbotek | Anboten | Anotek | Anbotek | Anbortek | Anbotek |

4.2. Test Setup

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| т | | Spectrum Analyzer |
|---|------|-------------------|
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4.3. Test Data

| 4.3. Test Da | ta Anbr | nbotek A | nbotek | Anboten | Anbolek | Anbotek | Anbotek |
|----------------|----------------|--------------|---------|---------|----------------|-------------|---------|
| Temperature: | 23.1 °C | Humidity | r: 55 % | Atmo | spheric Pressu | re: 101 kPa | 000 |
| Please Refer t | o Appendix for | Detailspotek | Anborek | Anbo | otek Anbote | Anbore | AIII |

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Report No.:1812C40069512501 Anbotek FCC ID:2AOV6-HP479 Anbote

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5. Maximum Conducted Output Power

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| Test Requirement: | 47 CFR 15.247(b)(1) |
|---|---|
| Teşt Limit: Anbotek | Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts. |
| Test Method: | ANSI C63.10-2020, section 7.8.5 KDB 558074 D01 15.247 Meas Guidance v05r02 |
| Anbotek Anbotek nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote Anbotek Anbote | This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings: a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel. b) RBW > 20 dB bandwidth of the emission being measured. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. |
| Procedure: | 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 |
| Anto Anbotek Anbotek Anbotek Anbot | emission. i) The indicated level is the peak output power, after any corrections for external attenuators and cables. j) A spectral plot of the test results and setup description shall be included in |
| k Anbotek An | 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 |
| Lotek Anboten | analyzer. |

5.1. EUT Operation

Operating Environment:

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| Operating Envir | ronment: | A. abotek | Anbole | Am | Anbotek | Ano |
|-----------------|-----------------------------|----------------------------|--|---------------|----------|----------|
| Test mode: | hopping) wit 2: TX-π/4-D | h GFSK modu QPSK (Non-H | g): Keep the EL Jation. Jopping): Keep QPSK modulatio | the EUT in co | oto. Ann | your you |
| Anborek A | nbo otek | Anbotek | Anbore | Amenbolek | Anboten | Anotok |

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nbotel 5.2. Test Setup

| 6 | Anbotek | Anbert | EUT | Spectrum Anal | yzer |
|------|---------|--------|---------|---------------|------|
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5.3. Test Data

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| 5.3. Test Dat | anolek | Anbotek Anbo | Inpotek A | Anbotek An | poter An | Anbotek | P |
|-----------------|------------|--------------|------------|------------|--------------|---------|------------|
| Temperature: | 23.1 °C | Humidity: | 55 % | Atmospher | ic Pressure: | 101 kPa | |
| Please Refer to | Appendix 1 | for Details. | A. Anbotek | Anboten | And | Anbore | yek Yek |

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Please Refer to Appendix for Details. Anbotek

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6. Channel Separation

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Product Safety

| Test Requirement: 47 CFR 15.247(a)(1) 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 The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be included in the test report. | 6. Channel Sepa | ration Anbotek Anbotek Anbotek Anbotek Anbotek |
|--|---|---|
| Test Limit: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 v05r02The 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.BW. 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 | Test Requirement: | 47 CFR 15.247(a)(1) |
| Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02 The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be | ek Anbolek Anbolek Test Limit: Anbolek Anbolek Anbolek Anbolek Anbolek | 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 |
| spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be | Test Method: | |
| e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be | nbotek Anbotek Anbotek Anbotek Anbotek Anbote Anbotek Anbote | 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. |
| 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 | Procedure: | e) Detector function: Peak.f) Trace: Max-hold.g) Allow the trace to stabilize. |
| | Anborek Anborek Anbor | 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 |

6.1. EUT Operation

| | 6.1. EUT Ope | | -tek | Anboten | And | abotek | Anbu | V |
|--------|-----------------|-------------------------|--------------------------|---------|---|----------|---------|-------|
| A | Operating Envir | onment: | Aupo | abolek | Anboro | A | Anboter | Pur |
| ibotek | Test mode: | with GFSk 4: TX-π/4- | (modulation DQPSK (Ho | i, Anbo | UT in continuo the EUT in cor tion. | ek nbore | Run . | . No. |
| VII. | V oter | AND | | 18K | vupor P | , A | bote. | Pur |

6.2. Test Setup

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| <i>00</i> /0 | 6.2. Test | Setup | Ann | Anbotek | Anbo . | ek Anbotek | Anbore | otek An | potek |
|--------------|-----------|----------|------------------|-----------|------------|------------|-------------|-----------|---------|
| 0 | nbotek | Anbotek | E | | Spectrum | n Analyzer | iek Ani | Anbotek | Anbotek |
| | Anbotek | Anbot | ev . | anbotek | Anbo | P | Anbotek | Anboten | Anu |
| , eY | 6.3. Test | Data | born | Anbotek | Anbotentek | Ansanbotek | Anbotek | Anbo abol | lok. |
| ~0 | Temperatu | re: 23.1 | °C ^{nu} | Humidity: | 55 % Andor | Atmospheri | c Pressure: | 101 kPa | to kek |

| ~ | Temperature: | 23.1 ° | C ^{nv} tek | Humidity: | 55 % M ⁰⁰ | 1 | Atmospheric Pressure: | 101 kPa | C |
|-----|--------------|--------|---------------------|-----------|----------------------|------|-----------------------|---------|-------|
| VUr | | otek | Anbo | 4-1 | ek . al | 0010 | Am | hoter | PUD |

Please Refer to Appendix for Details.

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7. Number of Hopping Frequencies

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| Test Requirement: | 47 CFR 15.247(a)(1)(iii) |
|---|--|
| 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 |
| otek Anbole Anbolek Anbolek Anbolek Anbolek Anbolek Anbole | 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 |
| Andore: Andore: An pole Andore: Andorek Andorek Andorek | 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. |
| Anbotek Anbotek M7.1. EUT Operation | It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A spectral plot of the data shall be included in the test report. |

7.1. EUT Operation

| tek. | Operating Envir | onment: | Anbotek | Anb | | tek Anb | 24 Pr. | hotek p |
|--------|-----------------|--------------------------|-------------------------|--------------------|------------|----------|----------------------------------|---------|
| nbotek | Test mode: | with GFSK 4: TX-π/4-D | modulation, QPSK (Ho | ,. pping): Keep | the EUT in | nbo | mitting mode (transmitting n | Anbolo |
| PIL | tek Aupoler | (hopping) w | ith π/4 DQF | PSK modulat | ion. | W. Nofek | Anbore. | Ann |
| VUD. | 7.2. Test Setu | idna di | 07- P | botek | Anboten | Ann | K Anbotek | Anbo |

7.2. Test Setup

| 1 | Anbotek A | nbotek | EUT | | Spectrum A | Analyzer | iek p | Inbotek |
|-----|----------------|-----------|--------|------|------------|----------|--------------|---------|
| | Anboutek | A. hpoter | Anv | | abotek | Anbo. | Rabo Lek | Anbotek |
| ote | 7.3. Test Data | Anbotek | Anboro | Yek. | Amotek | Anboten | K and abotek | Anbo |

| 0) | Temperature: | 23.1 °C Anbover | Humidity: | 55 % mbote | Atmospheric Pressure: | 101 kPa 🔊 |
|----|--------------|-----------------|--|------------|-----------------------|-----------|
| | -16. VA | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | |

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8. Dwell Time

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| Test Requirement: | 47 CFR 15.247(a)(1)(iii) |
|-------------------|--|
| k holek | Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2400- |
| ien Ano | 2483.5 MHz band shall use at least 15 channels. The average time of |
| atek Anboter | occupancy on any channel shall not be greater than 0.4 seconds within a |
| Test Limit: | period of 0.4 seconds multiplied by the number of hopping channels |
| anboten And | employed. Frequency hopping systems may avoid or suppress |
| A. Anbot | transmissions on a particular hopping frequency provided that a minimum of 15 channels are used. |
| And | ANSI C63.10-2020, section 7.8.4 |
| Test Method: | KDB 558074 D01 15.247 Meas Guidance v05r02 |
| who who have | The dwell time per hop on a channel is the time from the start of the first |
| he. Aur | transmission to the end of the last transmission for that hop. If the device ha |
| Lotek Anbore | a single transmission per hop then the dwell time is the duration of that |
| And K botek | transmission. If the device has a multiple transmissions per hop then the |
| Anboten And | dwell time is measured from the start of the first transmission to the end of |
| botek Anbo | the last transmission. |
| Anv | botek Andor h sotek Andote Attraction notek |
| K Anbote. A | The time of occupancy is the total time that the device dwells on a channel |
| k hotek | over an observation period specified in the regulatory requirement. To determine the time of occupancy the spectrum analyzer will be configured to |
| oten Anu | measure both the dwell time per hop and the number of times the device |
| stek Anbore. | transmits on a specific channel in a given period. |
| Anbo k hotek | Anboren a openine enamen in a groten period And |
| Anboten And | The EUT shall have its hopping function enabled. Compliance with the |
| h. atek Anb | requirements shall be made with the minimum and with the maximum |
| And | number of channels enabled. If the dwell time per channel does not vary wit |
| K upoter 1 | the number of channels than compliance with the requirements may be |
| k hotek | based on the minimum number of channels. If the device supports different dwell times per channel (example Bluetooth devices can dwell on a channel |
| poten And | for 1, 3 or 5 time slots) then measurements can be limited to the longest |
| Procedure: | dwell time with the minimum number of channels. |
| And ak shotel | Anboy h stek whote Any sk spoten |
| Anbots. Ans | Use the following spectrum analyzer settings to determine the dwell time pe |
| hotek Ant | Thop: An atek Anboten And tek abotek Anbo |
| Ann | a) Span: Zero span, contered on a hopping channel |
| ek Anbore | a) Span: Zero span, centered on a hopping channel. b) RBW shall be ≤ channel spacing and where possible RBW should be |
| w hotek | set $>> 1 / T$, where T is the expected transmission time per hop. |
| pore. And | c) Sweep time: Set so that the start of the first transmission and end of the |
| botek Anbote | last transmission for the hop are clearly captured. Setting the sweep time to |
| Anu- | be slightly longer than the hopping period per channel (hopping period = |
| Anboter Ano | 1/hopping rate) should achieve this. |
| - otek An | d) Use a video trigger, where possible with a trigger delay, so that the start of |
| Ano | the transmission is clearly observed. The trigger level might need adjustment to reduce the change of triggering when the system here on an adjustment |
| tek Anboter | to reduce the chance of triggering when the system hops on an adjacent channel. |
| , notek | e) Detector function: Peak. |
| nboten Anb | f) Trace: Clear-write, single sweep. |
| atek Anboten | g) Place markers at the start of the first transmission on the channel and at |
| Anbur | the end of the last transmission. The dwell time per hop is the time between |

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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

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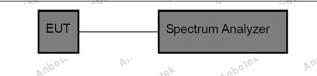
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| Operating Envi | ronment: | Anboro | Am | Anboten | Ano | · |
|----------------|--|------------------------------|-----------------|---------|--------|------|
| Test mode: | 3: TX-GFSK (Ho with GFSK modu 4: TX-π/4-DQPS (hopping) with π | ulation,. K (Hopping): Ke | ep the EUT in c | And | de Her | otek |

8.2. Test Setup



8.3. Test Data

| Temperature: | 23.1 °C | Humidity: | 55 % | Atmospheric Pressure: | 101 kPa otek |
|--------------|---------|-----------|------------|----------------------------|--------------|
| Temperature | | | 00,10,00,0 | , and opphone in recourse. | |

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9. Emissions in non-restricted frequency bands

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| Test Requirement: | 47 CFR 15.247(d), 15.209, 15.205 |
|-------------------------|--|
| 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 |
| _Anbote. And | either an RF conducted or a radiated measurement, provided the transmitter |
| Test Limit: | demonstrates compliance with the peak conducted power limits. If the |
| All. stek Anb | transmitter complies with the conducted power limits based on the use of |
| iek Anbo | 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 |
| otek Anborer | instead of 20 dB. Attenuation below the general limits specified in § |
| no lek abolek | 15.209(a) is not required. |
| Test Method: | ANSI C63.10-2020 section 7.8.7 |
| Test Method. | KDB 558074 D01 15.247 Meas Guidance v05r02 |
| botek Anbote | 7.8.7.1 General considerations |
| An. tek of | To demonstrate compliance with the relative out-of-band emissions |
| orak Anbor Ar | requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers. |
| stek subotek | Frequency hopping shall be disabled for this test with the exception of |
| Anover A. Lotek | measurements at the allocated band-edges which shall be repeated with |
| Anboten Anot | hopping enabled. And the state And the state of the state |
| botek Anbote | Connect the primary antenna port through an attenuator to the spectrum |
| And set about | analyzer input; in the results, account for all losses between the unlicensed |
| K Anbore Am | wireless device output and the spectrum analyzer. The frequency range of |
| et spotek An | testing shall span 30 MHz to 10 times the operating frequency and this may |
| por An utek | be done in a single sweep or, to aid resolution, across a number of sweeps. |
| hotek Anb | The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector. |
| A. Lotek Anbote. | boupied sweep time with a peak actediate. |
| And set abotek | The limit is based on the highest in-band level across all channels measured |
| Procedure: | using the same instrument settings (resolution bandwidth of 100 kHz, video |
| ek abotek Anbo | 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 |
| A''' atek a | required offset (typically 20 dB) below the highest in-band level. Where the |
| botek Anbo | highest in-band level is not clearly identified in the out-of-band |
| votek Anboter | measurements a separate spectral plot showing the in-band level shall be |
| knov ok botek | provided. And the Andrew Andre |
| Anbote. And Let | When conducted measurements cannot be made (for example a device with |
| abolek Anbore | integrated, non-removable antenna) radiated measurements shall be used. |
| An- | The reference level for determining the limit shall be established by |
| ter Aupor Ar | maximizing the field strength from the highest power channel and measuring |
| tek hobolek | using the resolution and video bandwidth settings and peak detector as |
| nto. A. otek | described above. The field strength limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB) |
| Anboten Anbo | below the highest in-band level. Radiated measurements will follow the |
| hotek Anboten | standards measurement procedures described in Clause 6 with the |
| NUD- | exception that the resolution bandwidth shall be 100 kHz, video bandwidth |

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Report No.:1812C40069512501 FCC ID:2AOV6-HP479

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

7.8.7.2 Band-edges

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

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

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

9.1. EUT Operation

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| 11. | Operating Envir | onment: And bolek Anbole And Andrew Andrew Andrew And |
|-----|------------------------|---|
| | Anbornotek | 1: TX-GFSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non- hopping) with GFSK modulation. |
| , | - Anbotek | 2: TX- π /4-DQPSK (Non-Hopping): Keep the EUT in continuously transmitting mode (non-hopping) with π /4 DQPSK modulation. |
| 25 | Test mode: | 3: TX-GFSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation. |
| 20 | ootek Anbot | 4: TX- π /4-DQPSK (Hopping): Keep the EUT in continuously transmitting mode (hopping) with π /4 DQPSK modulation. |

9.2. Test Setup

| | Anboro | Anbo | EUT | Spectrun | n Analyzer | job botek | Anbotek |
|-----|-----------|------|------------|----------|------------|-----------|---------------|
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| ~~~ | rek Aupo. | P- | notek Anbo | to All. | ek nbotet | Ano | to the second |

9.3. Test Data

| Temperature: | 23.1 °C | Humidity | 55 % | b | Atmospheric Pressur | re: 101 kPa |
|--------------|-------------------|----------|-------|---|---------------------|-------------|
| No. | 10 ¹⁻¹ | <i>b</i> | . Nor | 0 | In Sk | 00 |

Please Refer to Appendix for Details.

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| Test Requirement: | restricted bands, as define |), In addition, radiated emissions d in § 15.205(a), must also comp pecified in § 15.209(a)(see § 15.2 | ly with the |
|---|--|--|---|
| Anbotek Anbotek | Frequency (MHz) | Field strength (microvolts/meter) | Measurem distance (meters) |
| Anbors Ar | 0.009-0.490 | 2400/F(kHz) | 300 |
| hotek Anbo | 0.490-1.705 | 24000/F(kHz) | 30 And |
| Anv | 1.705-30.0 | 30× Anbole An | 30 |
| ek anboten Ar | 30-88 | 100 ** | 3 |
| h atek | 88-216 | 150 ** | 3 tek |
| wotek Anbo | 216-960 | 200 ** | 3 |
| n ak abotek | Above 960 | 500 | 3 10010 |
| Anbote Ann Anbotek Anbo tek Anbotek A nbotek Anbotek A | frequency bands 54-72 MH 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 | ting under this section shall not b Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on peak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing | 470-806 MH ed under ot pand edges. measureme uency band sion limits in |
| Anboten Ant | detector. | tek nbore | b. |

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10.1. EUT Operation

| P | Operating Env | ironment: | Ann | Anbotek | Anbo | K nbolek | Auporo | er per | otek |
|-------|---------------|--------------------------|---------------------------|------------|--------------|------------------------------------|-----------|---------|-------|
| bolek | Test mode: | hopping) v 2: TX-π/4- | vith GFSK m DQPSK (Nor | odulation. | Keep the EU⊺ | ntinuously tran Γ in continuous | | Lotek 1 | Anbol |
| Anbo | stek Anbots | otek An | botek A | nboten | Ano- | Anbotek | Anborotek | Anbotek | |

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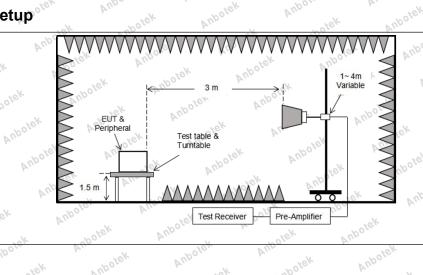
AND

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nbotek 10.2. Test Setup

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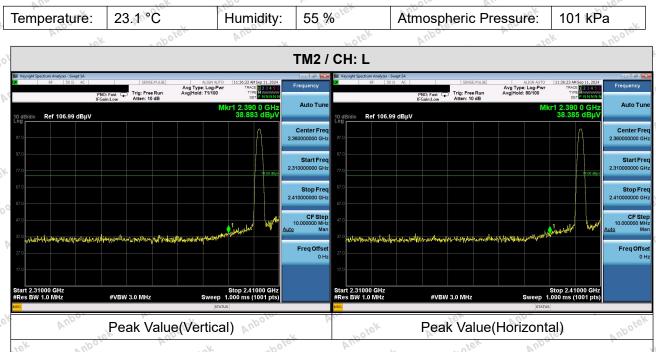
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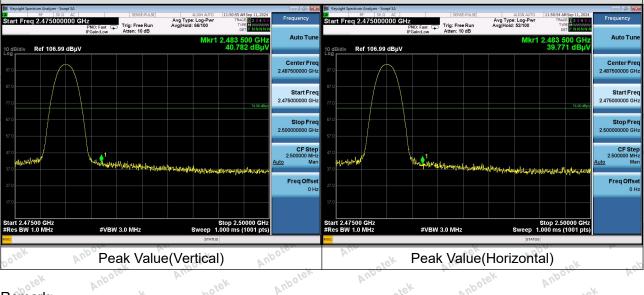
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10.3. Test Data



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Remark:

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

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2. When the PK measure result value is less than the AVG limit value, the AV measure result values test not applicable. Anbote Anbotek Anbotek Anbotek

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| Frequency (MHz)Field strength (microvolts/meter)Measureme distance (meters)0.009-0.4902400/F(kHz)3000.490-1.70524000/F(kHz)301.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | Test Requirement: | restricted bands, as define | l), In addition, radiated emissio ed in § 15.205(a), must also co pecified in § 15.209(a)(see § 1 | mply with the |
|---|----------------------------------|---|---|--|
| Test Limit: 0.490-1.705 24000/F(kHz) 30 1.705-30.0 30 30 30-88 100 ** 3 88-216 150 ** 3 216-960 200 ** 3 Above 960 500 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. | Anbotek Anbotek | Frequency (MHz) | | |
| Test Limit: 1.705-30.0 30 30 30-88 100 ** 3 88-216 150 ** 3 216-960 200 ** 3 Above 960 500 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. Test Mathed: ANSI C63.10-2020 section 6.6.4 | Anbor | 0.009-0.490 | 2400/F(kHz) | 300 |
| 30-88 100 ** 3 88-216 150 ** 3 216-960 200 ** 3 Above 960 500 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. Test Mathed: ANSI C63.10-2020 section 6.6.4 | abotek Anb | | | |
| Test Limit: 88-216 150 ** 3 Above 960 200 ** 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. Test Mathed: ANSI C63.10-2020 section 6.6.4 | A.r. | | | 10. |
| Test Limit: $ \frac{216-960}{\text{Above 960}} \frac{200 **}{500} \frac{3}{3} \frac{4}{\text{Above 960}} \frac{3}{500} \frac{3}{3} \frac{1}{3} \frac{1}{3} $ | ek Anbor | | | |
| Above 9605003Test Limit:Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in th frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measuremen | k holek | | | |
| Test Limit:** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in th frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Mathed:ANSI C63.10-2020 section 6.6.4 | hoter And | | | |
| intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz However, operation within these frequency bands is permitted under othe sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. | stek Anbote. | Above 960 | 500 | 3 nbor |
| The emission limits shown in the above table are based on measuremen employing a CISPR quasi-peak detector except for the frequency bands 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Text Mathed:ANSI C63.10-2020 section 6.6.4 | Anbotek Anbote Anbotek Anbote | intentional radiators opera frequency bands 54-72 M However, operation within sections of this part, e.g., | ating under this section shall no Hz, 76-88 MHz, 174-216 MHz these frequency bands is perr §§ 15.231 and 15.241. | ot be located in th or 470-806 MHz mitted under othe |
| detector. Test Method: ANSI C63.10-2020 section 6.6.4 | npotek Anbotek | The emission limits showr employing a CISPR quasi | n in the above table are based -peak detector except for the f | on measuremen requency bands |
| | Anbotek Anbot | - D.V. | sed on measurements employi | ng an average |
| | Test Method: | | | potek Anboic |

11. Emissions in frequency bands (below 1GHz)

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11.1. EUT Operation

| Pr- | Operating Envir | ronment: | ek Anboten | And | s nbotek | Anbo | -x | 1ex |
|---------------|-----------------|---|------------------------------------|--------------|----------|------|---------|-----|
| lek nbotek | Test mode: | 1: TX-GFSK (Non hopping) with GFS 2: TX-π/4-DQPSk (non-hopping) with | SK modulation. ((Non-Hopping): | Keep the EUT | oter Ano | | Lotek A | nbo |
| Anbo | stek Aupor | tek Anbotek | Anboten | And | Anbolek | Anbo | Anbotek | |

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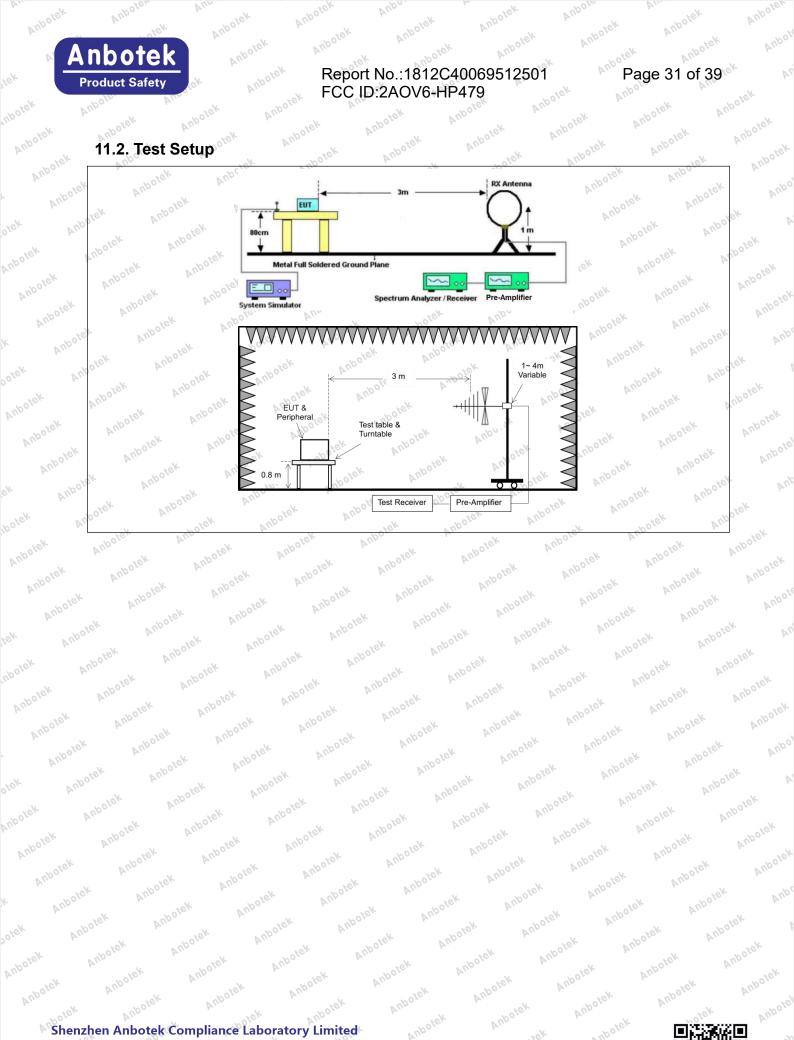
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11.3. Test Data

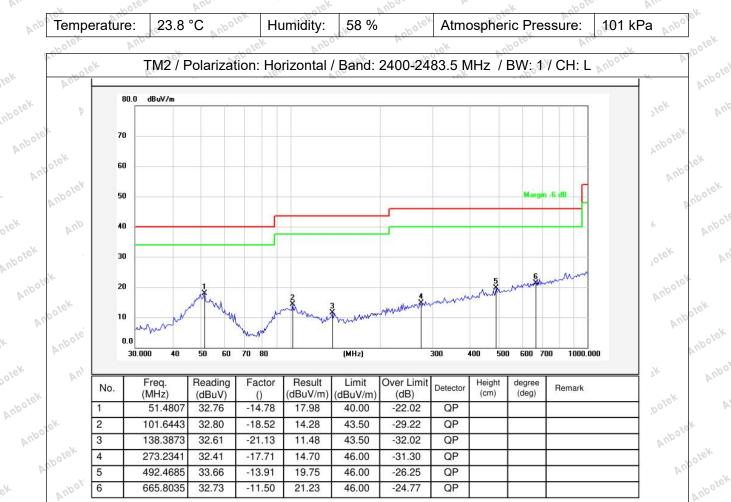
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

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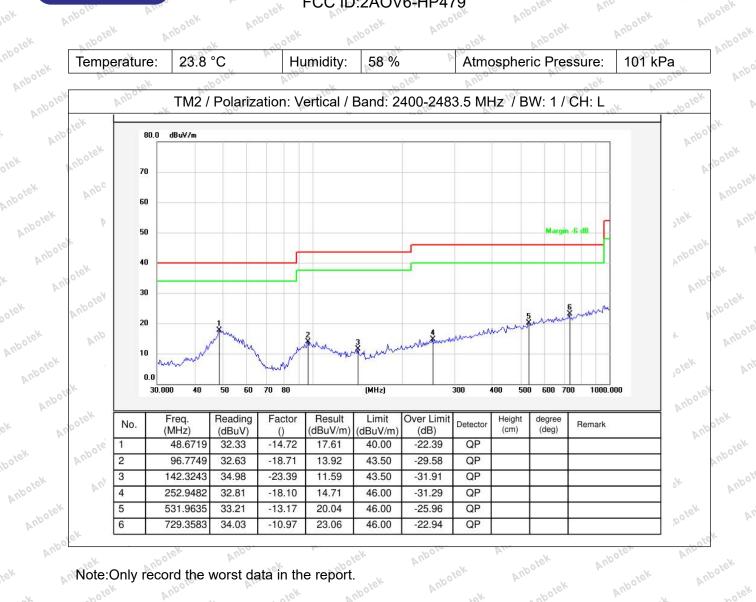
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Note:Only record the worst data in the report. Anbotek Anbotel

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| In § 15.209(a)(see § 15.205(c)).Frequency (MHz)Field strength (microvolts/meter)Measu (microvolts/meter)0.009-0.4902400/F(kHz)3000.490-1.70524000/F(kHz)301.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions fror intentional radiators operating under this section shall not be locate frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted unde sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edu The emission table above, the tighter limit applies at the band edu The emission limits shown in the above table are based on measur employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | Test Requirement:in § 15.205(a), must also comply with the radiated et in § 15.209(a)(see § 15.205(c)).`Frequency (MHz)Field strength (microvolts/meter)0.009-0.4902400/F(kHz)0.490-1.70524000/F(kHz)1.705-30.03030-88100 **88-216150 **216-960200 **Above 960500** Except as provided in paragraph (g), fundamenta intentional radiators operating under this section shi frequency bands 54-72 MHz, 76-88 MHz, 174-216 I However, operation within these frequency bands is sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are ba employing a CISPR quasi-peak detector except for 90 kHz, 110-490 kHz and above 1000 MHz. Radiat these three bands are based on measurements em detector.Test Mathad:ANSI C63.10-2020 section 6.6.4 | | | |
|---|---|---|---|--|
| Image: Test Method:(microvolts/meter)distant (meter)0.009-0.4902400/F(kHz)3000.490-1.70524000/F(kHz)301.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be locate frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241.In the emission table above, the tighter limit applies at the band edu The emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | hek Anbote. | Frequency (MHz)Field strength (microvolts/meter)Measurement distance (meters)0.009-0.4902400/F(kHz)3000.490-1.70524000/F(kHz)301.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02ANSI C63.10-2020 section 6.6.4 | | |
| Test Limit:0.009-0.4902400/F(kHz)3000.490-1.70524000/F(kHz)301.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions fror intentional radiators operating under this section shall not be locate frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted unde sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measur employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | Anbotek Anbotek | Frequency (MHz) | | distance |
| Test Limit:1.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | Anbore An | 0.009-0.490 | 2400/F(kHz) | 300 |
| Jest Limit:30-88100 **3Test Limit:30-88150 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | abotek Anbo | 0.490-1.705 | 24000/F(kHz) | 30 And |
| Test Limit:88-216150 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edu The emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | Au. Ok | 1.705-30.0 | | 30 Nool |
| Test Limit:216-960 Above 960200 ** 5003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edu The emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | Anbore A | | | - |
| Above 9605003Test Limit:Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edu The emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | k hotek | | | YSVY |
| Test Limit:** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 However, operation within these frequency bands is permitted under sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edu The emission limits shown in the above table are based on measure employing a CISPR quasi-peak detector except for the frequency b 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limit these three bands are based on measurements employing an aver detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 | oter And | | | |
| InterferenceDistributionDistributionDistributionDistributionDistributionintentional radiators operating under this section shall not be locatedfrequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806However, operation within these frequency bands is permitted undersections of this part, e.g., §§ 15.231 and 15.241.In the emission table above, the tighter limit applies at the band edgeThe emission limits shown in the above table are based on measureemploying a CISPR quasi-peak detector except for the frequency b90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limitthese three bands are based on measurements employing an averdetector.Test Method:ANSI C63.10-2020 section 6.6.4KDB 558074 D01 15.247 Meas Guidance v05r02 | - stek Anbore. | Above 960 | 500 | 3,000 |
| | Anbotek Anbotek Anbo ak Anbotek Anbotek botek Anbotek Anbotek Anbotek Anbotek Anbotek | frequency bands 54-72 MI However, operation within sections of this part, e.g., g In the emission table abov 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 | Hz, 76-88 MHz, 174-216 MHz these frequency bands is perr §§ 15.231 and 15.241. e, the tighter limit applies at the in the above table are based peak detector except for the finabove 1000 MHz. Radiated en ed on measurements employing n 6.6.4 | or 470-806 MHz. nitted under othe e band edges. on measurement requency bands § mission limits in |
| | Procedure | toor pr | NOVE NOV | abotek Anth |
| | er roocdurer | 7.1101 000.10-2020 Section | TO.O.T | b |

12. Emissions in frequency bands (above 1GHz)

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12.1. EUT Operation

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| Pr- | Operating Envir | ronment: | ek Anboten | And | s nbotek | Anbo | -x | 1ex |
|---------------|-----------------|---|------------------------------------|--------------|----------|------|---------|-----|
| lek nbotek | Test mode: | 1: TX-GFSK (Non hopping) with GFS 2: TX-π/4-DQPSk (non-hopping) with | SK modulation. ((Non-Hopping): | Keep the EUT | oter Ano | | Lotek A | nbo |
| Anbo | stek Aupor | tek Anbotek | Anboten | And | Anbolek | Anbo | Anbotek | |

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12.2. Test Setup

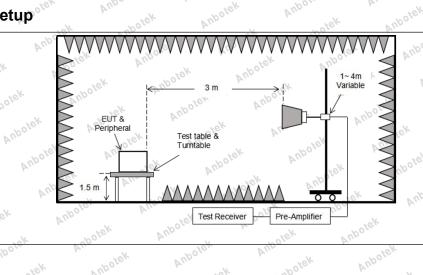
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,botek Hotline 6 400-003-0500 www.anbotek.com

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| Temperature: | 23.8 °C | Humidity: | 58 % | Atmospheric | Pressure: 1 | l01 kPa |
|-------------------------------------|--|------------------|--------------------|------------------------|--------------------|-------------|
| Ans | abover | And | hotek | Anbore | All | Anboth |
| | | | TM2 / CH: L | | | |
| Peak value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarizatio |
| 4804.00 | 30.86 | 15.27 | 46.13 | 74.00 | -27.87 | Vertical |
| 7206.00 | 31.39 | 18.09 | 49.48 | 74.00 | -24.52 | Vertical |
| 9608.00 | 33.48 | 23.76 | 57.24 | 74.00 | -16.76 | Vertical |
| 12010.00 | * 10010H | Aupor | -K NOK | 74.00 | Ant | Vertical |
| 14412.00 ⁰⁰ | * | otek Anbo | te. Ann | 74.00 | otek Anbu | Vertical |
| 4804.00 | n ^{o^{ten} 30.92 And} | 15.27 | 46.19 N | 74.00 | -27.81 | Horizonta |
| 7206.00 | 32.94 | 18.09 | 51.03 | 74.00 | -22.97 | Horizonta |
| 9608.00 | 29.82 | 23.76 | 53.58 | 74.00 | -20.42 | Horizonta |
| 12010.00 | And * | abotek | Anbo | 74.00 | Anboren | Horizonta |
| at abotek | Anboten | A. otek | Anbotek | PUR | k nbotek | Horizonta |
| Average value Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarizatio |
| 4804.00 | 20.24 | 15.27 | 35.51 | 54.00 | -18.49 | Vertical |
| 7206.00 | 20.42 | 18.09 | 38.51 | 54.00 | -15.49 | Vertical |
| 9608.00 | 22.50 | 23.76 | 46.26 | 54.00 | -7.74 | Vertical |
| 12010.00 | 1000 × 400 | sk Aupor | k pr | 54.00 mot | e. Aun | Vertical |
| 14412.00 | * A1 | otek Ant | oter Ann | 54.00 | botek Ant | Vertical |
| 4804.00 | 19.27 M | 15.27 | 34.54 | 54.00 | -19.46 | Horizonta |
| 7206.00 | 22.00 | 18.09 | 40.09 | 54.00 | -13.91 | Horizonta |
| 9608.00 | 19.13 | 23.76 | 42.89 | 54.00 | +11.11 | Horizonta |
| 12010.00 | PUX. | Anbolek | Anboten | 54.00 | Anbotek | Horizonta |
| 14412.00 | ek * Vupore | b. | ek Anbole | 54.00 | | Horizonta |

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| TM2 / CH: M TM2 / CH: M Peak value: Frequency (MHz) Reading (dBuV) Factor (dB/m) Result (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) polariz 4882.00 30.88 15.42 46.30 74.00 -27.70 Verti 7323.00 31.24 18.02 49.26 74.00 -24.74 Verti 9764.00 32.49 23.80 56.29 74.00 -17.71 Verti | |
|---|-------|
| TM2 / CH: M Peak value: Frequency (MHz) Reading (dBuV) Factor (dB/m) Result (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) polariz 4882.00 30.88 15.42 46.30 74.00 -27.70 Verti Verti 7323.00 31.24 18.02 49.26 74.00 -24.74 Verti | |
| Frequency (MHz) Reading (dBuV) Factor (dB/m) Result (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) polariz 4882.00 30.88 15.42 46.30 74.00 -27.70 Verti Verti 7323.00 31.24 18.02 49.26 74.00 -24.74 Verti | |
| (MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) (dB) polariz 4882.00 30.88 15.42 46.30 74.00 -27.70 Verti 7323.00 31.24 18.02 49.26 74.00 -24.74 Verti | |
| 7323.00 31.24 18.02 49.26 74.00 -24.74 Verti | ation |
| | cal |
| 9764.00 32.49 23.80 56.29 74.00 17.71 Vorti | cal 🕅 |
| | cal |
| 12205.00 * 74.00 Verti | çal |
| 14646.00 * 74.00 Verti | cal |
| 4882.00 30.62 15.42 46.04 74.00 -27.96 Horizo | ontal |
| 7323.00 32.93 18.02 50.95 74.00 -23.05 Horizo | ontal |
| 9764.00 29.52 23.80 53.32 74.00 -20.68 Horizo | ontal |
| 12205.00 * * 74.00 Horizo | ontal |
| 14646.00 * 74.00 Horizo | ontal |
| Average value: | |
| Frequency (MHz)Reading (dBuV)Factor (dB/m)Result (dBuV/m)Limit (dBuV/m)Over Limit (dBuV/m)polariz | ation |
| 4882.00 19.97 15.42 35.39 54.00 -18.61 Verti | calnb |
| 7323.00 20.52 18.02 38.54 54.00 -15.46 Verti | cal |
| 9764.00 22.36 23.80 46.16 54.00 -7.84 Verti | cal |
| 12205.00 * 54.00 Verti | cal |
| 14646.00 * Verti | cal |
| 4882.00 19.18 15.42 34.60 54.00 -19.40 Horizo | ontal |
| 7323.00 21.56 18.02 39.58 54.00 -14.42 Horizo | ontal |
| 9764.00 19.64 23.80 43.44 54.00 -10.56 Horizo | ontal |
| 12205.00 * Horizo | ontal |
| 14646.00 * 54.00 Horizo | ntal |

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|--------------------|-------------------|------------------|--------------------|---|---|-------------------------|
| V/1. | | | TM2 / CH: H | | • • | _10' |
| Peak value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 31.15 | 15.58 | 46.73 vove | 74.00 | -27.27 | Vertical |
| 7440.00 | 31.25 | 17.93 | 49.18 | ore ^k 74.00 pr ^{hb} | -24.82 | Vertical |
| 9920.00 | 33.04 | 23.83 | 56.87 | 74.00 | 17.13 AC | Vertical |
| 12400.00 | Aupors * | tek. | Anboten | 74.00 | abotek | Vertical |
| 14880.00 | Anbo*ek | Anbor | abotek | 74.00 | P | Vertical |
| 4960.00 | 30.69 | 15.58 | 46.27 | 74.00 | -27.73 | Horizontal |
| 7440.00 | 32.96 | 17.93 | 50.89 | 74.00 | -23.11 | Horizontal |
| 9920.00 | 30.20 | 23.83 | 54.03 mbo | 74.00 | 19.97 NO | Horizontal |
| 12400.00 | otek * And | DEO DE | atek ar | o ^{ven} 74.00 A ^{nt} | 40 | Horizontal |
| 14880.00 | rek* | nbotek P | no | 74.00 | Anbor | Horizontal |
| Average value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 21.09 | 15.58 | 36.67 | 54.00 mot | -17.33 | Vertical 🔊 |
| 7440.00 | 21.53 | otek 17.93 no | 39.46 | 54.00 | po ^{tek} -14.54 A ^{nbi} | Vertical |
| 9920.00 | 22.91 An | 23.83 | 46.74 | 54.00 | 7.26 | ^{voo} Vertical |
| 12400.00 | abote* | Anbor | ~ . | 54.00 | Ann | Vertical |
| 14880.00 | A tek | Anboten | Ann | 54.00 | Anbore | Vertical |
| 4960.00 | 20.62 | 15.58 | 36.20 | 54.00 | -17.80 | Horizontal |
| 7440.00 | 22.93 | 17.93 | 40.86 | 54.00 | -13.14,00 ¹⁰ | Horizontal |
| 9920.00 | 19.54 noot | 23.83 | 43.37 | 54.00 × nb ⁰ | -10.63 | Horizontal |
| 12400.00 | * | botek Aut | 0° P. | 54.00 | pote. An | Horizontal |
| 14880.00 | Anbor * | atek. | Anboten | 54.00 | nbotek | Horizontal |

Remark:[®]

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1. Result =Reading + Factor

Anbotek ,otek 2. Test frequency are from 1GHz to 25GHz, "*" means the test results were attenuated more than 20dB AND below the permissible limits, so the results don't record in the report.

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3. Only the worst case is recorded in the report. Anbi

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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

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Please refer to separated files Appendix III -- Internal Photograph

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