

Address

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FCC Test Report

Applicant Shenzhen Qianyan Technology LTD

No. 3301, Block C, Section 1, Chuangzhi

Yuncheng Building, Liuxian Avenue, Xili

Community, Xili Street, Nanshan District,

Shenzhen, 518000, China

Govee Table Lamp 2 / Govee Smart Table Lamp **Product Name**

Report Date Jul. 22, 2024



_aboratory Limited





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TEST REPORT

Applicant : Shenzhen Qianyan Technology LTD

Manufacturer : Shenzhen Qianyan Technology LTD

Product Name : Govee Table Lamp 2 / Govee Smart Table Lamp 2S

Test Model No. : H6022

Reference Model No. : H8022

Trade Mark : Govee

Rating(s) : Input: 12V=2A

47 CFR Part 15.247

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

KDB 558074 D01 15.247 Meas Guidance v05r02

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

| Date of Receipt: | Apr. 23, 2024 |
|---|-------------------------------|
| | Anboten Ann |
| Date of Test: | Apr. 23, 2024 ~ Jun. 06, 2024 |
| Anbotek Anbotek Anbotek Anbotek Anbotek | Ella Liang |
| Prepared By: | otek Anbotek Anbotek Anbotek |
| | (Ella Liang) |
| | Idward pan |
| Approved & Authorized Signer: | ak spikek Aupo, M. |
| Arr tek abotek Anbo k hote | (Edward Pan) |





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Revision History

| | Report Version | Description | Issued Date |
|----|---------------------|-------------------------|-----------------------|
| | Anbore R00 potek An | Original Issue. | Jul. 22, 2024 |
| ¿e | Anbotek Anbotek | Anbotek Anbotek Anbotek | K Anbotek Anbotek Anb |
| (0 | ors Anbotek Anbotek | Anbotek Anbotek Anbot | tek anbotek Anbotek |





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1. General Information

1.1. Client Information

| Applicant | : | Shenzhen Qianyan Technology LTD |
|--------------|---|---|
| Address | : | No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 518000, China |
| Manufacturer | : | Shenzhen Qianyan Technology LTD |
| Address | : | No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 518000, China |

1.2. Description of Device (EUT)

| 16 200 | | |
|------------------------|---|--|
| Product Name | : | Govee Table Lamp 2 /Govee Smart Table Lamp 2S |
| Test Model No. | : | H6022 |
| Reference Model No. | : | H8022 (Note: All samples are the same except the model number, Product Name and Software Version, so we prepare "H6022" for test only.) |
| Trade Mark | : | Govee Anborek Anborek Anborek |
| Test Power Supply | : | AC 120V/60Hz for Adapter |
| Test Sample No. | : | 1-2-1(Normal Sample), 1-2-2(Engineering Sample) |
| Adapter | : | Model: YXTG24US-1202000 Input: 100-240V~ 0.8A Max 50/60Hz Output: 12.0V-= 2.0A 24.0W |
| RF Specification | | |
| Operation Frequency | : | 2402MHz to 2480MHz |
| Number of Channel | : | 40 Anbort Anborek Anborek Anborek Anborek An |
| Modulation Type | : | GFSK Anborek Anborek Anborek Anborek |
| Antenna Type | : | PCB antenna |
| Antenna Gain(Peak) | : | 3.12dBi Anbotek Anbotek Anbotek Anbotek Anbotek |
| | | |

Remark:

(1) All of the RF specification are provided by customer.

(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.







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1.3. Auxiliary Equipment Used During Test

| Title | | Manufacturer | Model No. | Serial No. | |
|-------|-------------------|-------------------|-------------------|-------------|--|
| | Anbores / Anbores | Ant stek/ subotek | Anbor A All botek | Anboret And | |

1.4. Operation channel list

Operation Band:

| Operation L | Janu. | 1. Va. | 01 AII | | Ter Up | | 40 |
|-------------|--------------------|-----------------|--------------------|---------|--------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Aupoton | 2402 | 10 ^N | 2422 | 20 | 2442 | And 30 tek | 2462 |
| AU Poisi | 2404 | 1,50tek | 2424 | 21 | 2444 | 31 | 2464 |
| 2.nbote | 2406 | 12 nbote | 2426 | 22 | 2446 | 32 | 2466 |
| ek 3 Anbo | 2408 | otek 13 Ant | 2428 | 23 | 2448 | 33 | 2468 |
| botek 4 A | 2410 | , e14 | 2430 | 24 | 2450 | 34 | 2470 |
| nbot5 | 2412 | 15 | 2432 | 25 | 2452 | 35 | 2472 |
| 16 tek | 2414 | 16 | 2434 | 26 | 2454 | 36 | 2474 |
| 7,botek | 2416 | 17 bote | 2436 | 27 | 2456 | 37 | 2476 |
| k 8 anbo | 2418 | 18 | 2438 | 28 | 2458 | 38 Anbc | 2478 |
| otek 9 Ar | 2420 | 19 | 2440 | 29 | 2460 | o ^{rtel*} 39 | 2480 |

1.5. Description of Test Modes

| | Pretest Modes | Descriptions |
|---|------------------------------------|--|
| 4 | Anbotek TM1 ^{Anbo} obotek | Keep the EUT in continuously transmitting mode with GFSK modulation. |



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1.6. Measurement Uncertainty

| Parameter | Uncertainty |
|--|---|
| Conducted emissions (AMN 150kHz~30MHz) | 3.4dB |
| Occupied Bandwidth | 925Hz |
| Conducted Output Power | 0.76dB |
| 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 |
| | - 10, 10, 10, 10, 10, 10, 10, 10, 10, 10, |

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.





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1.7. Test Summary

| | -po | - 010 |
|---|-------------------|------------|
| Test Items | Test Modes | Status |
| Antenna requirement | Anbotek / Anbote | And Projek |
| Conducted Emission at AC power line | Mode1 | P |
| Occupied Bandwidth | Mode1 | P P |
| Maximum Conducted Output Power | Mode1 | P |
| Power Spectral Density | Mode1 | upo. P |
| Emissions in non-restricted frequency bands | Mode1 | Anb P rek |
| Band edge emissions (Radiated) | Mode1 Anboren | P P |
| Emissions in frequency bands (below 1GHz) | Mode1 | Pane |
| Emissions in frequency bands (above 1GHz) | Mode1 | P An |
| Note: P: Pass | Anbotek Anbotek A | nbotek |

N: N/A, not applicable





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1.8. Description of Test Facility

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

FCC-Registration No.:434132

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

ISED-Registration No.: 8058A

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

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

1.9. Disclaimer

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

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





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1.10. Test Equipment List

| Cond | ucted Emission at A | C power line | Aupo | k hotel | Anbore | Andrek |
|-----------|--|------------------|-----------|------------------|------------|--------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| . 1 | L.I.S.N. Artificial Mains Network | Rohde & Schwarz | ENV216 | 100055 | 2024-01-18 | 2025-01-17 |
| otek 2 | Three Phase V- type Artificial Power Network | CYBERTEK | EM5040DT | E215040D T001 | 2024-01-17 | 2025-01-16 |
| 30t | Software Name EZ-EMC | Farad Technology | ANB-03A | N/A | Alooiek | Anborek |
| 4 | EMI Test Receiver | Rohde & Schwarz | ESPI3 | 100926 | 2023-10-12 | 2024-10-11 |

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density
Emissions in non-restrict

Emissions in non-restricted frequency bands

| Emis | sions in non-restricte | a trequency bands | , rek | 700,0 | - N | ~018r |
|-------------------|---|-------------------|----------------|-----------------|------------|--------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| 1 _{An} h | Constant Temperature Humidity Chamber | ZHONGJIAN | ZJ- KHWS80B | N/A | 2023-10-16 | 2024-10-15 |
| 2 | DC Power Supply | IVYTECH | IV3605 | 1804D360 510 | 2023-10-20 | 2024-10-19 |
| 3/ | Spectrum Analyzer | Rohde & Schwarz | FSV40-N | 102150 | 2024-05-06 | 2025-05-05 |
| An4ote | MXA Spectrum Analysis | KEYSIGHT | N9020A | MY505318 23 | 2024-02-22 | 2025-02-21 |
| 5,00 | Oscilloscope | Tektronix | MDO3012 | C020298 | 2023-10-12 | 2024-10-11 |
| 6 | MXG RF Vector Signal Generator | Agilent | N5182A | MY474206 47 | 2024-02-04 | 2025-02-03 |



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| | edge emissions (Ra sions in frequency ba | | Aupotek | Anborek | Aupotek | Anborek |
|------------------|---|------------------|----------------------|-----------------|------------|--------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| 1 00 | 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 |
| nbole 4 | EMI Test Software EZ-EMC | SHURPLE | N/A | N/A | Andotek | Aupolok |
| 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 |
| e ^k 7 | Amplifier | Talent Microwave | TLLA18G40 G-50-30 | 23022802 | 2024-05-07 | 2025-05-06 |

| Emis | sions in frequency ba | ands (below 1GHz) | Anbore. | Andhotek | Anboiek | Anbo |
|---------|-----------------------------|-------------------|---------------|------------|------------|--------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due Date |
| 1 | EMI Test Receiver | Rohde & Schwarz | ESR26 | 101481 | 2024-01-23 | 2025-01-22 |
| 2 | Pre-amplifier | SONOMA | 310N | 186860 | 2024-01-17 | 2025-01-16 |
| 34 | Bilog Broadband Antenna | Schwarzbeck | VULB9163 | 345 | 2022-10-23 | 2025-10-22 |
| Antotel | Loop Antenna (9K- 30M) | Schwarzbeck | FMZB1519 B | 00053 | 2023-10-12 | 2024-10-11 |
| 5,00 | EMI Test Software EZ-EMC | SHURPLE | N/A | N/A | y Aupon | k Anbotek |





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2. Antenna requirement

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 PCB antenna which permanently attached, and the best case gain of the antenna is 3.12dBi . It complies with the standard requirement.





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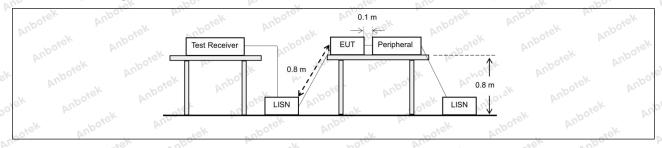
3. Conducted Emission at AC power line

| Test Requirement: | Refer to 47 CFR 15.207(a), Exce section, for an intentional radiator public utility (AC) power line, the back onto the AC power line on a band 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms (LISN). | that is designed to be cor radio frequency voltage tha ny frequency or frequencie ot exceed the limits in the f | nnected to the at is conducted es, within the following table, as | |
|-------------------|---|--|--|--|
| boick Anbor | Frequency of emission (MHz) | Conducted limit (dBµV) | | |
| Yu. sek spolek | Anbor Anbor | Quasi-peak | Average | |
| Aupor Air. | 0.15-0.5 | 66 to 56* | 56 to 46* | |
| Test Limit: | 0.5-5 | 56 NOTE AT | 46 | |
| Vu. Vol | 5-30 And San | 60 | 50 ren And | |
| Aupor K Air | *Decreases with the logarithm of | the frequency. | | |
| Test Method: | ANSI C63.10-2020 section 6.2 | Anborek Anbore | Ann | |
| Procedure: | Refer to ANSI C63.10-2020 section line conducted emissions from ur | | | |

3.1. EUT Operation

| Operating Envi | onment: | Aupo | abořek. | Aupote | Andrek | Anboick | Anbo. |
|----------------|-----------------------|------|----------------|---------------|-----------------|---------|-------|
| Test mode: | 1: TX mode modulation | | EUT in continu | uously transr | mitting mode wi | th GFSK | Anbo |

3.2. Test Setup





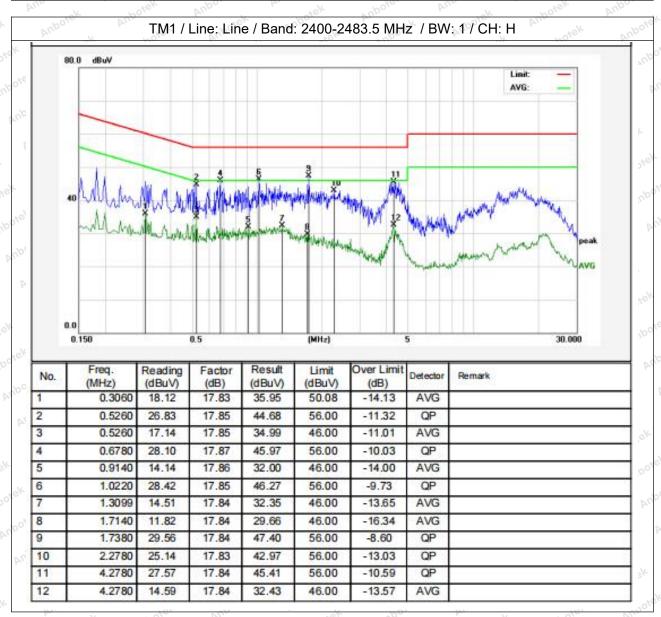
Hotline



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3.3. Test Data

Temperature: 21.4 °C Humidity: 52 % Atmospheric Pressure: 101 kPa

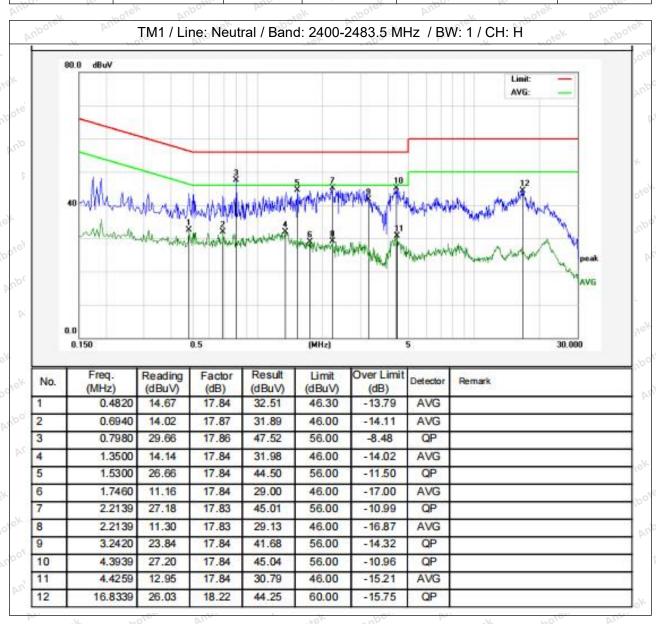






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Temperature: 21.4 °C Humidity: 52 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data in the report.







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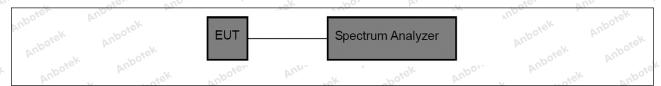
4. Occupied Bandwidth

| Test Requirement: | 47 CFR 15.247(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 |
| | 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. |
| | b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. |
| | d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. |
| Procedure: | 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 the "-6 dB down amplitude". If a marker is below this "-6 dB down |
| botek Anbotek | amplitude" value, then it shall be as close as possible to this value. 11.8.2 Option 2 |
| | 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 peak detector with maximum hold) is implemented by the instrumentation function. |
| potek Aupotek A | When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB. |

4.1. EUT Operation

| Operating Envi | ronment: | Vup | abotek | Aupor | er. | hoiek | Anboren | Vupp |
|----------------|-------------------------|---------------------|---------------|-------------|-----------|-----------|-----------|-----------|
| Test mode: | 1: TX mod modulation | e: Keep the l n. | EUT in contii | nuously tra | ansmittir | ng mode v | with GFSK | stek Aupo |

4.2. Test Setup









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4.3. Test Data

| Temperature: | 25.3 °C | Humidity: | 48 % | Atmospheric Pressure: | 101 kPa |
|--------------|---------|-----------|------|-----------------------|---------|
| | = 0.0 C | 160 | | , | |

Please Refer to Appendix for Details.





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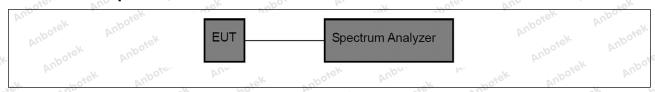
5. Maximum Conducted Output Power

| Test Requirement: | 47 CFR 15.247(b)(3) |
|---|--|
| Anbotek | Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode. |
| Test Method: | ANSI C63.10-2020 section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02 |
| Procedure: | ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power |

5.1. EUT Operation

| Operating Envi | ronment: | Anborek | Aupo. | botek | Anboies | Ans | k anbo |
|----------------|-------------------------|-------------|---------------|--------------|--------------|-----------|---------|
| Test mode: | 1: TX mode: modulation. | Keep the El | JT in continu | ously transm | nitting mode | with GFSK | otek Ar |

5.2. Test Setup



5.3. Test Data

| Temperature: 25.3 °C Humidity: 48 % Atmospheric Pr | ressure: 101 kPa |
|--|------------------|
|--|------------------|

Please Refer to Appendix for Details.





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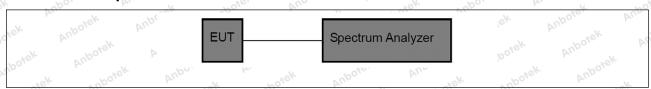
6. Power Spectral Density

| Test Requirement: | 47 CFR 15.247(e) |
|-------------------|---|
| Test Limit: | 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

| Operating Envir | onment: | abotek | Aupote. | An | n'ek | anbotek | Aupo. | .ak | abotek |
|-----------------|----------------------|--------|------------|-----------|---------|---------------|-----------|--------|--------------------|
| Test mode: | 1: TX mo modulati | ~O' | the EUT ii | n continu | ously t | ransmitting n | node with | n GFSK | Anbotek Anbotek |

6.2. Test Setup



6.3. Test Data

| Temperature. 25.5 C Fluminity. 46 % Almospheric Pressure. To i kPa | Temperature: | 25.3 °C | Humidity: 48 % | Atmospheric | Pressure: 101 kPa |
|--|--------------|---------|----------------|-------------|-------------------|
|--|--------------|---------|----------------|-------------|-------------------|

Please Refer to Appendix for Details.



Hotline

www.anbotek.com.cn

400-003-0500



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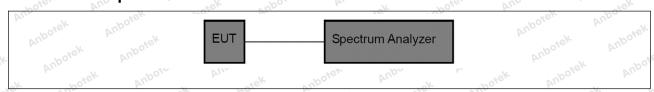
7. Emissions in non-restricted frequency bands

| Test Requirement: | 47 CFR 15.247(d), 15.209, 15.205 |
|---|---|
| Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek | 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

| 1/6 | Operating Envir | onment: | Anbotek | Anbo | botek | Anboro | Vu. | DUPO |
|-----|-----------------|----------------------------|-------------|----------------|---------------|--------------|---------|------|
| ,0 | Test mode: | 1: TX mode: modulation. | Keep the El | JT in continuo | usly transmit | ting mode wi | th GFSK | b2 |

7.2. Test Setup



7.3. Test Data

| 71, | Temperature: | 25.3 °C | Humidity: | 48 % | Atmospheric Pressure: | 101 kPa |
|-----|--------------|---------|-----------|------|-----------------------|---------|
| | | | | | | |

Please Refer to Appendix for Details.





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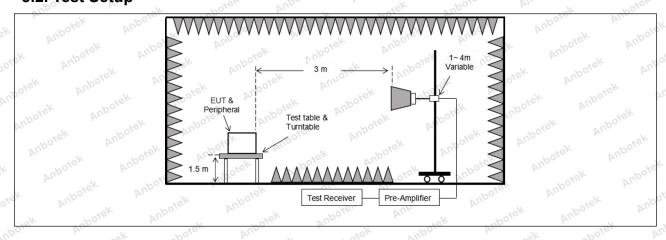
8. Band edge emissions (Radiated)

| W K | | 10h | |
|-------------------|--|--|--|
| Test Requirement: | restricted bands, as defined | In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2 | ly with the |
| k Anbotek Anbot | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| | 0.009-0.490 | 2400/F(kHz) | 300 |
| shotek Anbo | 0.490-1.705 | 24000/F(kHz) | 30 |
| | 1.705-30.0 | 30 | 30 |
| | 30-88 | 100 ** | 3,ek abore |
| | 88-216 | 150 ** | 3 |
| | 216-960 | 200 ** | 3 boten Anti |
| | Above 960 | 500 And | 3 |
| | frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-p 90 kHz, 110–490 kHz and a these three bands are base | ing under this section shall not be z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitted in the tighter limit applies at the bein the above table are based on beak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing | 470-806 MHz. sed under other and edges. measurements uency bands 9– ssion limits in |
| poier And | detector. | Tek Jpoler And | r work |
| 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 | otek Anbote |
| | | | |

8.1. EUT Operation

| Opera | ting Envir | onment: | Aupo, | W. Potek | Aupoter | Ano | ek ab | otek An |
|--------|------------|---------------------------|--------------|---------------|----------------|-----------|----------|------------|
| Test m | ode: | 1: TX mode: I modulation. | Keep the EUT | in continuous | sly transmitti | ng mode w | ith GFSK | inbotek ek |

8.2. Test Setup





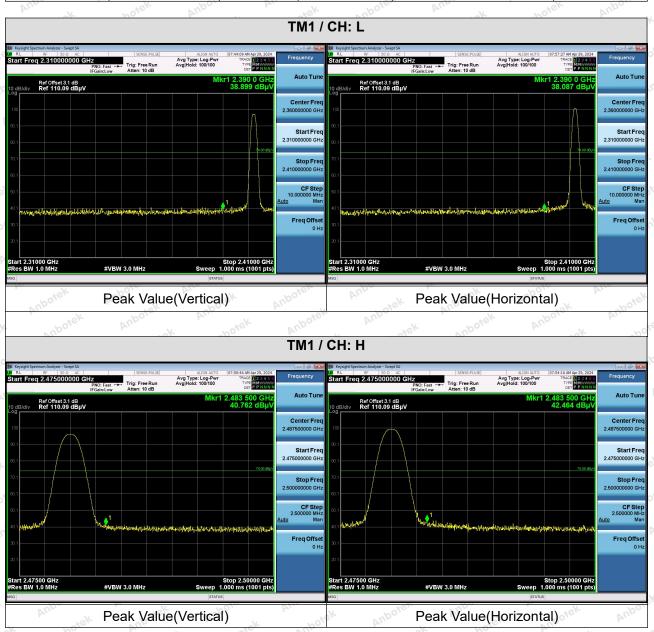




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8.3. Test Data

Temperature: 25.3 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Remark: Note: When the PK measure result value is less than the AVG limit value, the AV measure result values test not applicable.







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9. Emissions in frequency bands (below 1GHz)

| Test Requirement: | restricted bands, as defined | , In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2 | oly with the |
|--|---|---|---|
| Anbotek Anbo | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| | 0.009-0.490 | 2400/F(kHz) | 300 |
| potek Anbo | 0.490-1.705 | 24000/F(kHz) | 30 |
| | 1.705-30.0 | 30° AND CONTRACTOR | 30 |
| | 30-88 | 100 ** | 3 ek nbote |
| | 88-216 | 150 ** | 3 |
| Air. | 216-960 | 200 ** | 3boter And |
| | Above 960 | 500 mer Anbou | 3 |
| Test Limit: | intentional radiators operat | aragraph (g), fundamental emissing under this section shall not b | e located in the |
| Test Limit: otek Andorek | intentional radiators operat frequency bands 54-72 MH However, operation within a sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-190 kHz, 110–490 kHz and a these three bands are base | aragraph (g), fundamental emissing under this section shall not b dz, 76-88 MHz, 174-216 MHz or these frequency bands is permit | pe located in the 470-806 MHz. Ited under other pand edges. Improvements are guency bands 9—ssion limits in |
| Test Limit; otek Anbotek | intentional radiators operat 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 a these three bands are base detector. | aragraph (g), fundamental emissing under this section shall not be lz, 76-88 MHz, 174-216 MHz or these frequency bands is permit is 15.231 and 15.241. The entire tighter limit applies at the being the above table are based on peak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing | pe located in the 470-806 MHz. Ited under other pand edges. Improvements are guency bands 9—ssion limits in |
| Test Method: | intentional radiators operat frequency bands 54-72 MH However, operation within a sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-190 kHz, 110–490 kHz and a these three bands are base | aragraph (g), fundamental emissing under this section shall not be dz, 76-88 MHz, 174-216 MHz or these frequency bands is permit § 15.231 and 15.241. The entire tighter limit applies at the being the above table are based on peak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing 6.6.4 | pe located in the 470-806 MHz. Ited under other pand edges. Improvements are guency bands 9—ssion limits in |

9.1. EUT Operation

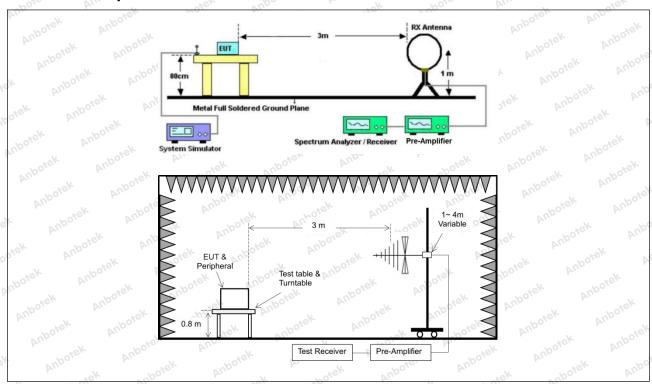
| Operating Envi | ronment: | | | | | abotek | PU |
|----------------|----------------------------|---------------|--------------|----------------|---------------|--------------|-----|
| Test mode: | 1: TX mode: Ke modulation. | eep the EUT i | n continuous | ly transmittin | g mode with (| GFSK Ambotek | 3/K |





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9.2. Test Setup





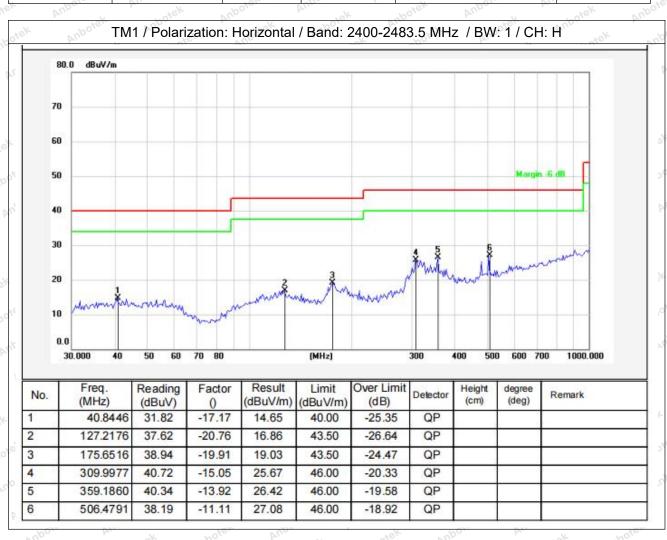


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9.3. Test Data

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: | 23.5 °C | Humidit | y: 49 % | Atmos | spheric Press | sure: 101 kPa |
|--------------|---------|---------|---------|-------|---------------|---------------|

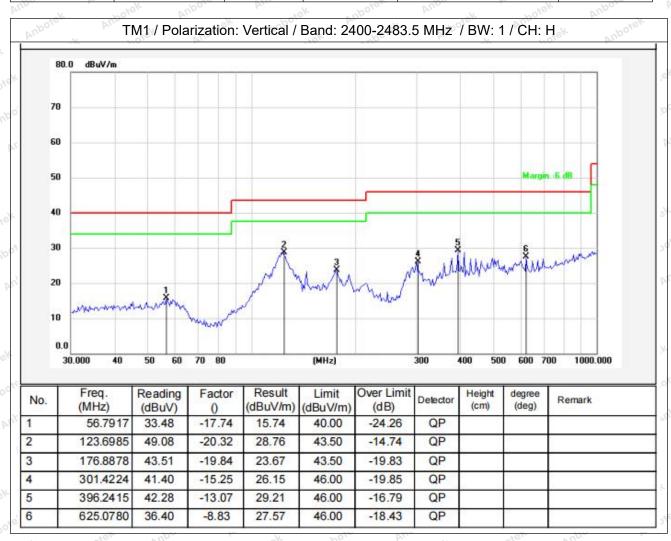






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Temperature: 23.5 °C Humidity: 49 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data in the report.









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10. Emissions in frequency bands (above 1GHz)

| tek supo | N. Sek Spore | An | 200 |
|---|--|--|---|
| Test Requirement: | | ons which fall in the restricted back comply with the radiated emission $\delta(c)$). | |
| otek Aupotek | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| Anbotek Anbo | 0.009-0.490 0.490-1.705 | 2400/F(kHz) 24000/F(kHz) | 300 |
| Anboten Anb | 1.705-30.0 | 30 sorek Amborea | 30 |
| k botek Anbor | 30-88 | 100 ** | 3,000 |
| An rek and | 88-216 | 150 ** | 3 boten Aup |
| otek Aupo, W. | 216-960 | 200 ** | 3 100 |
| Test Limit: | Above 960 | _500 ragraph (g), fundamental emissi | 3 Anbo |
| Anbotek Anbotek Anbotek Anbotek Anbotek Anbotel | frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above | ng under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on | 470-806 MHz. ed under other pand edges. |
| Anbotek Anbotek | employing a CISPR quasi-p 90 kHz, 110–490 kHz and a | peak detector except for the freq above 1000 MHz. Radiated emised on measurements employing | uency bands 9– sion limits in |
| Test Method: | ANSI C63.10-2020 section KDB 558074 D01 15.247 M | | Anbotek Anbotek |
| Procedure: | ANSI C63.10-2020 section | 6.6.4 | Anbore. And |
| Vun. | -0/2 200 Pr | V 740 VV | 10. |

10.1. EUT Operation

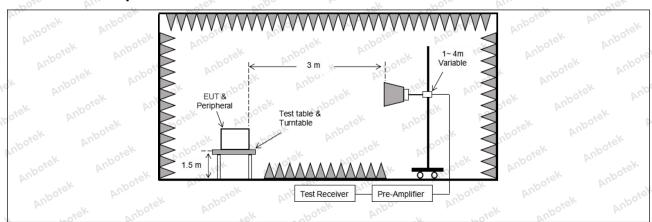
| Operating Env | ironment: | potek | Anbore | Y | Aupoter | Anbo |
|---------------|------------------------------|--------------|----------------|---------------|---------------|-------|
| Test mode: | 1: TX mode: Keep modulation. | the EUT in c | ontinuously tr | ansmitting mo | ode with GFSK | Anbo, |





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10.2. Test Setup







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10.3. Test Data

| Temperature: 23.5 °C | Humidity: 49 % | Atmospheric Pressure: | 101 kPa |
|----------------------|----------------|-----------------------|---------|
|----------------------|----------------|-----------------------|---------|

| · | Po. Di. | | TM4 / CU. L | · · · · · · · · · · · · · · · · · · · | - ho, | by. | |
|--------------------|-------------------|------------------|--------------------|---------------------------------------|--------------------|--------------|--|
| TM1 / CH: L | | | | | | | |
| Peak value: | | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization | |
| 4804.00 | 27.34 | 15.27 | 42.61 | 74.00 | -31.39 | Vertical | |
| 7206.00 | 27.60 | 18.09 | 45.69 | 74.00 | -28.31 | Vertical | |
| 9608.00 | 28.07 | 23.76 | 51.83 | 74.00 | -22.17 | Vertical | |
| 12010.00 | Aupote * At | iek. | abotek Anb | 74.00 | otek Anboti | Vertical | |
| 14412.00 | "Upo*sk | Aupo, ok | hotek P | 74.00 | rick on | Vertical | |
| 4804.00 | 27.10 | 15.27 | 42.37 | 74.00 | -31.63 | Horizontal | |
| 7206.00 | 27.71 | 18.09 | 45.80 | 74.00 | -28.20 | Horizontal | |
| 9608.00 | 27.63 | 23.76 | 51.39 | 74.00 | -22.61 | Horizontal | |
| 12010.00 | otek * Vupo | -V | ick Vupote | 74.00 | s nbotek | Horizontal | |
| 14412.00 | woick* An | DOLO VILLE | sek spc | 74.00 | K Kote | Horizontal | |
| Average value: | | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization | |
| 4804.00 | 15.61 | 15.27 | 30.88 | 54.00 | -23.12 | Vertical | |
| 7206.00 | 16.65 | 18.09 | 34.74 | 54.00 | -19.26 | Vertical | |
| 9608.00 | 30°17.54 | 23.76 | 41.30 | 54.00 | -12.70 | Vertical | |
| 12010.00 | 1018× | Anborer An | , ek | 54.00 | N Prince | Vertical | |
| 14412.00 | Anbe * sek | Shotek | Aupore Ar | 54.00 | Ipoles Aug | Vertical | |
| 4804.00 | 15.43 | 15.27 | 30.70 | 54.00 | -23.30 | Horizontal | |
| 7206.00 | 16.74 | 18.09 | 34.83 | 54.00 | -19.17 | Horizontal | |
| 9608.00 | 17.14 hore | 23.76 | 40.90 | 54.00 | -13.10 | Horizontal | |
| 12010.00 | * * * | otek Aupor | N Pu | 54.00 | Pup. | Horizontal | |
| 14412.00 | Vpo. * | intek ant | oter And | 54.00 | ek Aupor | Horizontal | |



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| | | | ГМ1 / CH: M | | | |
|--------------------|-------------------|------------------|--------------------|------------------------|--------------------|--------------|
| Peak value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | polarization |
| 4880.00 | 26.89 | 15.42 | 42.31 | 74.00 | -31.69 | Vertical |
| 7320.00 | 27.57 | 18.02 | 45.59 | 74.00 | -28.41 | Vertical |
| 9760.00 | 27.57 | 23.80 | 51.37 | 74.00 | -22.63 | Vertical |
| 12200.00 | ek * spotek | Anborr | but hotek | 74.00 | And | Vertical |
| 14640.00 | * | tek Wipose | Pur Viel | 74.00 | Anbo | Vertical |
| 4880.00 | 26.91 | 15.42 | 42.33 | 74.00 | -31.67 | Horizontal |
| 7320.00 | 27.58 | 18.02 | 45.60 | 74.00 | -28.40 | Horizontal |
| 9760.00 | 27.35 | 23.80 | 51.15 | 74.00 | -22.85 | Horizontal |
| 12200.00 | *otek | Aupole. | Aug | 74.00 | YUPO'S BY | Horizontal |
| 14640.00 | Ar. | nbotek | Anbo | 74.00 | Aupole | Horizontal |
| Average value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization |
| 4880.00 | 15.70 | 15.42 | 31.12 | 54.00 | -22.88 | Vertical V |
| 7320.00 | 16.51 | 18.02 | 34.53 | 54.00 | -19.47 | Vertical |
| 9760.00 | 17.39 | 23.80 | 41.19 | 54.00 | -12.81 | Vertical |
| 12200.00 | k *upor | N. Siek | anbotek | 54.00 | botek | Vertical |
| 14640.00 | otek * Anbot | Anb | ek abotek | 54.00 | bu. Potek | Vertical |
| 4880.00 | 15.54 | 15.42 | 30.96 | 54.00 | -23.04 | Horizontal |
| 7320.00 | 17.09 | 18.02 | 35.11 | 54.00 | -18.89 | Horizontal |
| 9760.00 | 17.44 | 23.80 | 41.24 | 54.00 | 12.76 M | Horizontal |
| 12200.00 | Anb*otek | Aup | abořek | 54.00 | "Otek Di | Horizontal |
| 14640.00 | * "otek | VUPO. | Zi. | 54.00 | AUG | Horizontal |



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| AUD. | Heli | "upo, | Dr. | hote | AUD | rek |
|--------------------|-------------------|-----------------------|--------------------|------------------------|--------------------|--------------|
| | | • | 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 | 27.02 | 15.58 | 42.60 | 74.00 | -31.40 | Vertical |
| 7440.00 | 27.73 | 17.93 | 45.66 | 74.00 | -28.34 | Vertical |
| 9920.00 | 28.27 | 23.83 | 52.10 | 74.00 | -21.90 | Vertical |
| 12400.00 | * otek | anbotes | Anb. "ek | 74.00 | Aupor | Vertical |
| 14880.00 | * And | iek "potel | , Vupo, | 74.00 | Aupote | Vertical |
| 4960.00 | 27.05 | 15.58 | 42.63 | 74.00 | -31.37 | Horizontal |
| 7440.00 | 27.79 | 17.93 | 45.72 | 74.00 | -28.28 | Horizontal |
| 9920.00 | 27.73 | 23.83 | 51.56 | 74.00 | -22.44 | Horizontal |
| 12400.00 | Vup.* | abotek | Aupor P | 74.00 | rupoter, Vul | Horizontal |
| 14880.00 | AC#DOLL | hotek | Aupoien | 74.00 | anbotek | Horizontal |
| Average value: | | | | | | |
| Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | polarization |
| 4960.00 | 16.82 | 15.58 | 32.40 | 54.00 | -21.60 | Vertical |
| 7440.00 | 17.78 | 17.93 | 35.71 | 54.00 | -18.29 | Vertical |
| 9920.00 | 18.04 | 23.83 | 41.87 | 54.00 | -12.13 | Vertical |
| 12400.00 | k * "potek | Aupo, | hotek | 54.00 | Aug | Vertical |
| 14880.00 | * * * | k Aupore | Aug | 54.00 | Vupo. | Vertical |
| 4960.00 | 16.72 | 15.58 No ⁰ | 32.30 | 54.00 | -21.70 | Horizontal |
| 7440.00 | 17.89 And | 17.93 | 35.82 | 54.00 | -18.18 | Horizontal |
| 9920.00 | 17.59 | 23.83 | 41.42 | 54.00 | -12.58 | Horizontal |
| 12400.00 | * tek | Anbores | Aur | 54.00 | 100 N. | Horizontal |
| 14880 00 | An* | bolek | Anbe. | 54 00 | Vupotes V | Horizontal |

Remark:

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







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APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

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

