

Report No.: EED32P80431602



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|   |                   | (JE                                   | ST F   | REPOR  | RT                                    |                  |   |
|---|-------------------|---------------------------------------|--|--|---------------------------------------|------------------|---|
|   | Product           | e.                                    | Dinosa   | aur Series V   | /ireless H                            | eadset           |   |
|   | Trade mark        | :                                     | MINIS  | 0  |                                       |                  |   |
|   | Model/Type refere | nce :                                 | 2304   |  |                                       |                  |   |
|   | Serial Number     |                                       | N/A  |  |                                       |                  |   |
|   | Report Number     | :                                     | EED32  | 2P80431602   | 2                                     |                  |   |
|   | FCC ID            | :                                     | 2A2H6  | 62304  |                                       |                  |   |
|   | Date of Issue     | (2):                                  | May 0  | 5, 2023  |                                       |                  |   |
|   | Test Standards    | $(\mathcal{O})$                       | 47 CFI   | R Part 15 S  | ubpart C                              |                  |   |
|   | Test result       | :                                     | PASS   |  |                                       |                  |   |
|   |                   |                                       | Prep   | ared for:  |                                       |                  |   |
|   | Shenzh            | en Bao                                | Tianh  | ua Techn   | ology C                               | o., Ltd          |   |
|   | Hongw             | Testing<br>ei Indus<br>Shenzh<br>TEL: | Prepa<br>Interr<br>strial Z<br>en, Gu<br>+86-7 | ared by:<br>national G<br>one, Bao'<br>angdong<br>55-3368 3<br>55-3368 3 | roup Co<br>an 70 D<br>, China<br>6668 | o., Ltd.         | ( in the second |
|   | Compiled by:      | nark.c                                | hen.   | Reviewed I   | oy:                                   | Tom Che          | ~   |
|   | INTERNATION       | Mark Cher                             | <br>ו  |  | /                                     | Tom Chen         |   |
|   | Approved by:      | Lavon /                               | vΛ   | Date:  |                                       | May 05, 2023     |   |
| C | Report Seal       | Aaron Ma                              | (X   |  | Ċ                                     | Check No.: 18503 | 00323   |
|   |                   |                                       |  |  |                                       |                  |   |
|   |                   |                                       |  |  |                                       |                  |   |





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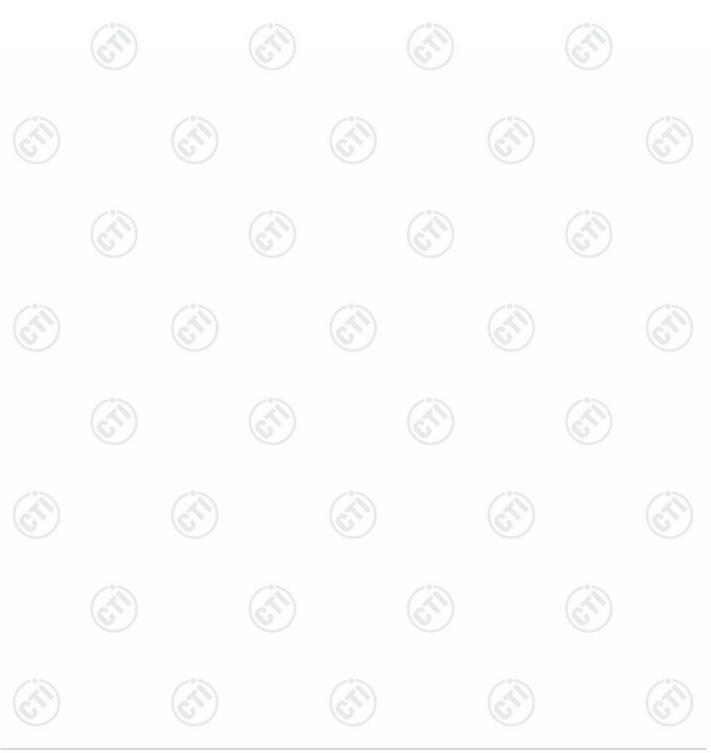






# 2 Version

| Version No. | Date         | Description |   |
|-------------|--------------|-------------|---|
| 00          | May 05, 2023 | Original    |   |
| 5           |              |             |   |
|             | (N)          | (L) (L)     | 6 |







# 3 Test Summary

| Test Item                                     | Test Requirement                                       | Result |
|---|--|--------|
| Antenna Requirement                           | 47 CFR Part 15, Subpart C Section<br>15.203/15.247 (c) | PASS   |
| AC Power Line Conducted<br>Emission           | 47 CFR Part 15, Subpart C Section<br>15.207            | N/A    |
| Maximum Conducted Output<br>Power             | 47 CFR Part 15, Subpart C Section<br>15.247 (b)(1)     | PASS   |
| 20dB Emission Bandwidth                       | 47 CFR Part 15, Subpart C Section<br>15.247 (a)(1)     | PASS   |
| Carrier Frequency<br>Separation               | 47 CFR Part 15, Subpart C Section<br>15.247 (a)(1)     | PASS   |
| Number of Hopping Channels                    | 47 CFR Part 15, Subpart C Section<br>15.247 (a)(1)     | PASS   |
| Time of Occupancy                             | 47 CFR Part 15, Subpart C Section 15.247 (a)(1)        | PASS   |
| Pseudorandom Frequency<br>Hopping Sequence    | 47 CFR Part 15, Subpart C Section<br>15.247(b)(4)      | PASS   |
| Band Edge Measurements                        | 47 CFR Part 15, Subpart C Section<br>15.247(d)         | PASS   |
| Conducted Spurious<br>Emissions               | 47 CFR Part 15, Subpart C Section<br>15.247(d)         | PASS   |
| Radiated Spurious<br>emissions                | 47 CFR Part 15, Subpart C Section 15.205/15.209        | PASS   |
| Restricted bands around fundamental frequency | 47 CFR Part 15, Subpart C Section 15.205/15.209        | PASS   |

N/A: When the EUT charging, BT will not work, So Not Applicable. Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.







# 4 General Information

#### 4.1 Client Information

| Applicant:               | Shenzhen Bao Tianhua Technology Co., Ltd  |
|--------------------------|---|
| Address of Applicant:    | 201, Building Plant No.6 Baidajie Road, Xi Keng Community Yuanshan<br>Sub-district, Longgang district, Shenzhen, Guangdong, China |
| Manufacturer:            | Shenzhen Bao Tianhua Technology Co., Ltd  |
| Address of Manufacturer: | 201, Building Plant No.6 Baidajie Road, Xi Keng Community Yuanshan<br>Sub-district, Longgang district, Shenzhen, Guangdong, China |
| Factory:                 | Shenzhen Bao Tianhua Technology Co., Ltd  |
| Address of Factory:      | 201, Building Plant No.6 Baidajie Road, Xi Keng Community Yuanshan<br>Sub-district, Longgang district, Shenzhen, Guangdong, China |

#### 4.2 General Description of EUT

| Product Name:         | Dinosaur Series Wireless Headset | 2  |
|-----------------------|----------------------------------|----|
| Model No.(EUT):       | 2304                             | -) |
| Trade mark:           | MINISO                           | -  |
| Product Type:         | ☐ Mobile                         |    |
| Test software of EUT: | FCC_assist_1.0.2.2               |    |
| Power Supply:         | Battery DC 3.7V                  |    |
| Test Voltage:         | DC 3.7V                          |    |
| Sample Received Date: | Mar. 30, 2023                    |    |
| Sample tested Date:   | Mar. 30, 2023 to Apr. 11, 2023   |    |

## 4.3 Product Specification subjective to this standard

| Operation Frequency:  | 2402MHz~2480MHz                         |
|-----------------------|---|
| Modulation Technique: | Frequency Hopping Spread Spectrum(FHSS) |
| Modulation Type:      | GFSK, π/4DQPSK, 8DPSK                   |
| Number of Channel:    | 79                                      |
| Hopping Channel Type: | Adaptive Frequency Hopping systems      |
| Antenna Type:         | PCB Antenna                             |
| Antenna Gain:         | 1.9dBi                                  |
| Antenna Gain.         | 1.9001                                  |





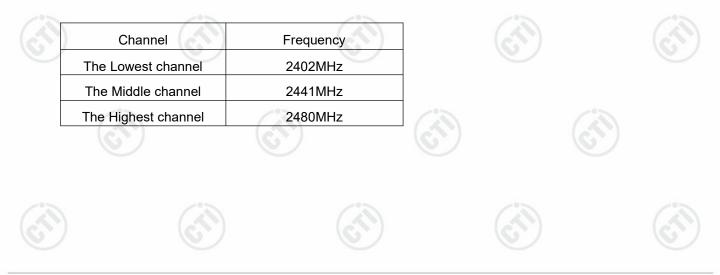




| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 0       | 2402MHz   | 20      | 2422MHz   | 40      | 2442MHz   | 60      | 2462MHz   |
| 1       | 2403MHz   | 21      | 2423MHz   | 41      | 2443MHz   | 61      | 2463MHz   |
| 2       | 2404MHz   | 22      | 2424MHz   | 42      | 2444MHz   | 62      | 2464MHz   |
| 3       | 2405MHz   | 23      | 2425MHz   | 43      | 2445MHz   | 63      | 2465MHz   |
| 4       | 2406MHz   | 24      | 2426MHz   | 44      | 2446MHz   | 64      | 2466MHz   |
| 5       | 2407MHz   | 25      | 2427MHz   | 45      | 2447MHz   | 65      | 2467MHz   |
| 6       | 2408MHz   | 26      | 2428MHz   | 46      | 2448MHz   | 66      | 2468MHz   |
| 7       | 2409MHz   | 27      | 2429MHz   | 47      | 2449MHz   | 67      | 2469MHz   |
| 8       | 2410MHz   | 28      | 2430MHz   | 48      | 2450MHz   | 68      | 2470MHz   |
| 9       | 2411MHz   | 29      | 2431MHz   | 49      | 2451MHz   | 69      | 2471MHz   |
| 10      | 2412MHz   | 30      | 2432MHz   | 50      | 2452MHz   | 70      | 2472MHz   |
| 11      | 2413MHz   | 31      | 2433MHz   | 51      | 2453MHz   | 71      | 2473MHz   |
| 12      | 2414MHz   | 32      | 2434MHz   | 52      | 2454MHz   | 72      | 2474MHz   |
| 13      | 2415MHz   | 33      | 2435MHz   | 53      | 2455MHz   | 73      | 2475MHz   |
| 14      | 2416MHz   | 34      | 2436MHz   | 54      | 2456MHz   | 74      | 2476MHz   |
| 15      | 2417MHz   | 35      | 2437MHz   | 55      | 2457MHz   | 75      | 2477MHz   |
| 16      | 2418MHz   | 36      | 2438MHz   | 56      | 2458MHz   | 76      | 2478MHz   |
| 17      | 2419MHz   | 37      | 2439MHz   | 57      | 2459MHz   | 77      | 2479MHz   |
| 18      | 2420MHz   | 38      | 2440MHz   | 58      | 2460MHz   | 78      | 2480MHz   |
| 19      | 2421MHz   | 39      | 2441MHz   | 59      | 2461MHz   |         |           |

#### Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:







## 4.4 Test Configuration

| :  |   |
|--|---|
| FCC_assist_1.0.2.2                                   |   |
| Class2 (Power level is built-in set parame selected) | eters and cannot be changed and   |
| owest frequency, the middle frequency and th         | e highest frequency keep  |
| Channel  | Frequency(MHz)  |
| СНО  | 2402  |
| CH39   | 2441  |
| CH78   | 2480  |
| СНО  | 2402  |
| CH39   | 2441  |
| CH78   | 2480  |
| СНО  | 2402  |
| СН39   | 2441  |
| CH78   | 2480  |
|  | FCC_assist_1.0.2.2         Class2 (Power level is built-in set parame selected)         owest frequency, the middle frequency and th         Channel         CH0         CH39         CH78         CH0         CH39         CH78         CH0         CH39         CH39         CH78         CH39         CH39         CH39         CH39         CH39         CH39         CH39         CH39 |

# 4.5 Test Environment

|    | Operating Environment | t:         |                 |            |     |     |
|----|-----------------------|------------|-----------------|------------|-----|-----|
|    | Radiated Spurious Emi | ssions:    |                 |            |     |     |
| 2  | Temperature:          | 22~25.0 °C |                 |            | 13  | 2   |
| N) | Humidity:             | 50~55 % RH |                 | (6)        | 6   | • ) |
| _  | Atmospheric Pressure: | 1010mbar   |                 | $\bigcirc$ | C C | /   |
|    | RF Conducted:         |            |                 |            |     |     |
|    | Temperature:          | 22~25.0 °C | ~               |            | ~   |     |
|    | Humidity:             | 50~55 % RH | $(\mathcal{A})$ |            |     |     |
|    | Atmospheric Pressure: | 1010mbar   | S               | 1          | S   |     |







#### 4.6 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

| Description | Manufacturer | Model No. | Certification | Supplied by |
|-------------|--------------|-----------|---------------|-------------|
| Notebook    | DELL         | DELL 3490 | FCC&CE        | СТІ         |
| 7 Teet Lee  | $( \land )$  |           |               |             |

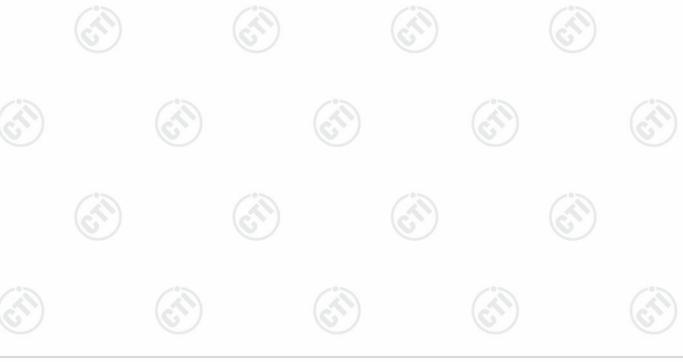
### .7 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385 No tests were sub-contracted. FCC Designation No.: CN1164

## 4.8 Measurement Uncertainty (95% confidence levels, k=2)

| No.                   | ltem                            | Measurement Uncertainty |
|-----------------------|---------------------------------|-------------------------|
| 1                     | Radio Frequency                 | 7.9 x 10 <sup>-8</sup>  |
| 2                     |                                 | 0.46dB (30MHz-1GHz)     |
| 2 RF power, conducted |                                 | 0.55dB (1GHz-40GHz)     |
| $(\mathbf{x})$        | ( e <sup>n</sup> )              | 3.3dB (9kHz-30MHz)      |
| 3                     | Padiated Spurious amission test | 4.3dB (30MHz-1GHz)      |
|                       | Radiated Spurious emission test | 4.5dB (1GHz-18GHz)      |
|                       |                                 | 3.4dB (18GHz-40GHz)     |
| 4                     | Temperature test                | 0.64°C                  |
| 5                     | Humidity test                   | 3.8%                    |
| 6                     | DC power voltages               | 0.026%                  |







# 4.9 Equipment List

| RF test system                          |                        |           |               |                           |                               |  |
|---|------------------------|-----------|---------------|---------------------------|-------------------------------|--|
| Equipment                               | Manufacturer           | Model No. | Serial Number | Cal. Date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |  |
| Spectrum Analyzer                       | Keysight               | N9010A    | MY54510339    | 12-23-2022                | 12-22-2023                    |  |
| Signal Generator                        | Keysight               | N5182B    | MY53051549    | 12-19-2022                | 12-18-2023                    |  |
| Signal Generator                        | Agilent                | N5181A    | MY46240094    | 12-19-2022                | 12-18-2023                    |  |
| DC Power                                | Keysight               | E3642A    | MY56376072    | 12-19-2022                | 12-18-2023                    |  |
| Wi-Fi 7GHz Band<br>Extendder            | JS Tonscend            | TS-WF7U2  | 2206200002    | 06-11-2022                | 06-10-2023                    |  |
| RF control unit                         | JS Tonscend            | JS0806-2  | 158060006     | 12-23-2022                | 12-22-2023                    |  |
| Communication test<br>set               | R&S                    | CMW500    | 120765        | 12-23-2022                | 12-22-2023                    |  |
| high-low<br>temperature test<br>chamber | Dong Guang Qin<br>Zhuo | LK-80GA   | QZ20150611879 | 12-19-2022                | 12-18-2023                    |  |
| Temperature/<br>Humidity Indicator      | biaozhi                | HM10      | 1804186       | 07-01-2022                | 06-15-2023                    |  |
| BT&WI-FI<br>Automatic test<br>software  | JS Tonscend            | JS1120-3  | 2.6.77.0518   |                           | <u>-</u>                      |  |



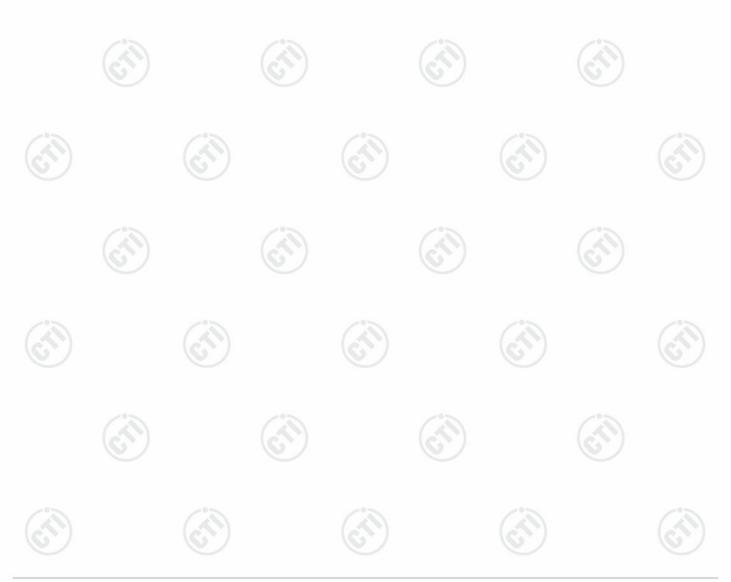






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| 3M Semi-an   | echoic Chamber (2)  | - Radiated distu  | rbance Test  |  |
|--------------|---|---|--|--|
| Manufacturer | Model   | Serial No.  | Cal. Date  | Due Date   |
| TDK          | SAC-3   |   | 05-22-2022   | 05-21-2025   |
| R&S          | ESCI7   | 100938-003  | 09-28-2022   | 09-27-2023   |
| schwarzbeck  | VULB 9163   | 9163-618  | 05-22-2022   | 05-21-2023   |
| maturo       | NCD/070/10711112  |   |  |  |
| ETS-LINGREN  | BBHA 9120D  | 9120D-1869  | 04-15-2021   | 04-14-2024   |
| Schwarzbeck  | FMZB 1519B  | 1519B-076   | 04-17-2021   | 04-16-2024   |
| Agilent      | 8449B   | 3008A02425  | 06-20-2022   | 06-19-2023   |
|              | Manufacturer<br>TDK<br>R&S<br>schwarzbeck<br>maturo<br>ETS-LINGREN<br>Schwarzbeck | ManufacturerModelTDKSAC-3R&SESCI7schwarzbeckVULB 9163maturoNCD/070/10711112ETS-LINGRENBBHA 9120DSchwarzbeckFMZB 1519B | ManufacturerModelSerial No.TDKSAC-3R&SESCI7100938-003schwarzbeckVULB 91639163-618maturoNCD/070/10711112ETS-LINGRENBBHA 9120D9120D-1869SchwarzbeckFMZB 1519B1519B-076 | TDK         SAC-3          05-22-2022           R&S         ESCI7         100938-003         09-28-2022           schwarzbeck         VULB 9163         9163-618         05-22-2022           maturo         NCD/070/10711112             ETS-LINGREN         BBHA 9120D         9120D-1869         04-15-2021           Schwarzbeck         FMZB 1519B         1519B-076         04-17-2021 |









| Equipment                          | Manufacturer    | Model No.         | Serial Number | Cal. Date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |
|------------------------------------|-----------------|-------------------|---------------|---------------------------|-------------------------------|
| RSE Automatic<br>test software     | JS Tonscend     | JS36-RSE          | 10166         | (B)                       | (2                            |
| Receiver                           | Keysight        | N9038A            | MY57290136    | 02-27-2023                | 02-26-2024                    |
| Spectrum Analyzer                  | Keysight        | N9020B            | MY57111112    | 02-21-2023                | 02-20-2024                    |
| Spectrum Analyzer                  | Keysight        | N9030B            | MY57140871    | 02-21-2023                | 02-20-2024                    |
| TRILOG<br>Broadband<br>Antenna     | Schwarzbeck     | VULB 9163         | 9163-1148     | 04-28-2021                | 04-27-2024                    |
| Horn Antenna                       | Schwarzbeck     | BBHA 9170         | 9170-832      | 04-15-2021                | 04-14-2024                    |
| Horn Antenna                       | ETS-LINDGREN    | 3117              | 57407         | 07-04-2021                | 07-03-2024                    |
| Preamplifier                       | EMCI            | EMC184055SE       | 980597        | 04-20-2022                | 04-19-2023                    |
| Preamplifier                       | EMCI            | EMC001330         | 980563        | 04-13-2022                | 04-12-2023                    |
| Preamplifier                       | JS Tonscend     | TAP-011858        | AP21B806112   | 07-29-2022                | 07-28-2023                    |
| Communication test set             | R&S             | CMW500            | 102898        | 12-23-2022                | 12-22-2023                    |
| Temperature/<br>Humidity Indicator | biaozhi         | GM1360            | EJ1611459     | 02-15-2023                | 02-14-2024                    |
| Fully Anechoic<br>Chamber          | TDK             | FAC-3             |               | 01-09-2021                | 01-08-2024                    |
| Cable line                         | Times           | SFT205-NMSM-2.50M | 394812-0001   | (                         | <u>()</u>                     |
| Cable line                         | Times           | SFT205-NMSM-2.50M | 394812-0002   |                           |                               |
| Cable line                         | Times           | SFT205-NMSM-2.50M | 394812-0003   |                           |                               |
| Cable line                         | Times           | SFT205-NMSM-2.50M | 393495-0001   | $(\mathcal{A})$           | (&                            |
| Cable line                         | Times           | EMC104-NMNM-1000  | SN160710      |                           |                               |
| Cable line                         | Times           | SFT205-NMSM-3.00M | 394813-0001   |                           |                               |
| Cable line                         | Times           | SFT205-NMNM-1.50M | 381964-0001   | (                         | S)                            |
| Cable line                         | Times           | SFT205-NMSM-7.00M | 394815-0001   |                           |                               |
| Cable line                         | Times           | HF160-KMKM-3.00M  | 393493-0001   | <u></u>                   |                               |
| )                                  | $(\mathcal{A})$ | (25)              | 1             | (25)                      | (                             |







# 5 Test results and Measurement Data

#### 5.1 Antenna Requirement

| <b>5</b> . I | Antenna Requ   | irement   |  |  |   |  |   |
|--------------|--|---|--|--|---|--|---|
|              | Standard require   | ment: 47  | CFR Part 15C Se  | ection 15.203 /2   | 247(c)  |  |   |
|              | 15.203 requirement<br>An intentional radii<br>responsible party se<br>antenna that uses<br>so that a broken a<br>electrical connector<br>15.247(b) (4) require<br>The conducted our<br>antennas with dire<br>section, if transmitt<br>power from the int<br>(b)(2), and (b)(3) or<br>antenna exceeds | ator shall be o<br>shall be used<br>a unique cou<br>ntenna can be<br>or is prohibited<br>irement:<br>tput power lim<br>ctional gains<br>ting antennas<br>entional radia<br>of this section, | with the device. T<br>pling to the intention<br>e replaced by the u<br>l.<br>hit specified in para<br>that do not exceed<br>of directional gain<br>tor shall be reduce | he use of a per<br>onal radiator, the<br>user, but the us<br>agraph (b) of th<br>6 dBi. Except<br>greater than 6<br>ed below the sta | rmanently atta<br>ne manufactur<br>e of a standar<br>is section is b<br>as shown in p<br>dBi are used<br>ated values in | ached antenna<br>er may design<br>a antenna jac<br>ased on the u<br>paragraph (c)<br>, the conductor<br>paragraphs ( | a or of an<br>h the unit<br>ck or<br>use of<br>of this<br>ed output<br>b)(1), |
|              | EUT Antenna:   | Ple   | ease see Internal p  |  |   |  |   |
| The          | antenna is PCB ante  | enna. The bes   | t case gain of the   | antenna is 1.90  | <u>авı.</u>   |  |   |
|              |  |   |  |  |   |  |   |
|              |  |   |  |  |   |  |   |
|              |  |   |  |  |   |  |   |
|              |  |   |  |  |   |  |   |
|              |  |   |  |  |   |  |   |
|              |  |   |  |  |   |  |   |

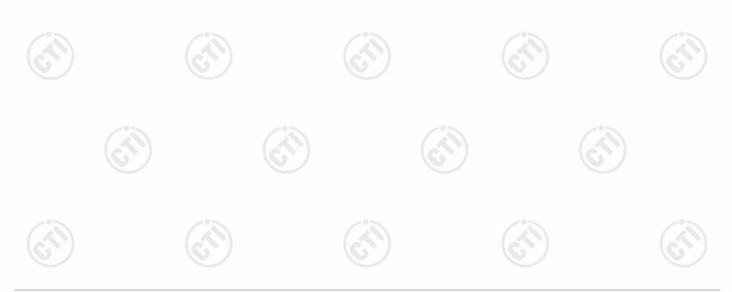






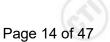
# 5.2 Maximum Conducted Output Power

| Test Requirement:      | 47 CFR Part 15C Section 15.247 (b)(1)  |
|------------------------|--|
| Test Method:           | ANSI C63.10:2013   |
| Test Setup:            | Control<br>Computer<br>Control<br>Power<br>Supply<br>TemPerature casher<br>Table   |
|                        | Remark: Offset=Cable loss+ attenuation factor.   |
| Test Procedure:        | Use the following spectrum analyzer settings:<br>Span = approximately 5 times the 20 dB bandwidth,<br>centered on a hopping channel<br>RBW > the 20 dB bandwidth of the emission being<br>measured VBW ≥ RBW<br>Sweep = auto<br>Detector function = peak<br>Trace = max hold<br>Allow the trace to stabilize.<br>Use the marker-to-peak function to set the marker to the<br>peak of the emission. |
| Limit:                 | 21dBm  |
| Exploratory Test Mode: | Non-hopping transmitting with all kind of modulation and all kind of data type   |
| Final Test Mode:       | Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.   |
| Test Results:          | Refer to Appendix BT Classic   |
| C)                     |  |



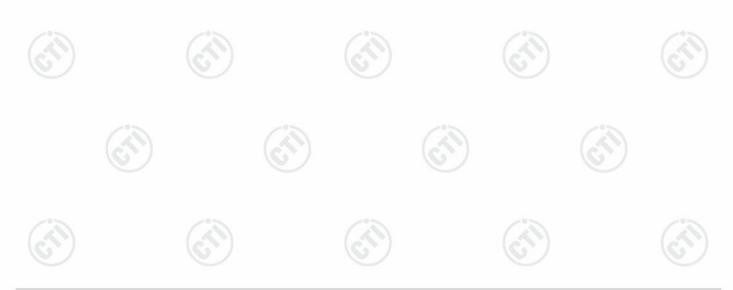






#### 5.3 20dB Emission Bandwidth

|            | Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(1)  |
|------------|------------------------|--|
|            | Test Method:           | ANSI C63.10:2013   |
| <u>s</u> t | Test Setup:            | Control<br>Computer<br>Computer<br>Computer<br>Computer<br>Power<br>Supply<br>Table<br>RF test<br>System<br>Instrument   |
|            | Test Procedure:        | <ul> <li>Remark: Offset=Cable loss+ attenuation factor.</li> <li>1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.</li> <li>Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; 1%≤RBW ≤5% of the 20 dB bandwidth; VBW≥3RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> <li>4. Measure and record the results in the test report.</li> </ul> |
|            | Limit:                 | NA   |
|            | Exploratory Test Mode: | Non-hopping transmitting with all kind of modulation and all kind of data type   |
| <u>ି</u>   | Final Test Mode:       | Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi/4DQPSK$ modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.  |
|            | Test Results:          | Refer to Appendix BT Classic   |
|            | C                      |  |









## 5.4 Carrier Frequency Separation

| •••• | ounierriequonoy        |   |
|------|------------------------|---|
|      | Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(1)   |
|      | Test Method:           | ANSI C63.10:2013  |
|      | Test Setup:            | Control<br>Control<br>Computer<br>Power<br>Power<br>Supply<br>TemPERATURE CABINET<br>Table  |
|      |                        | Remark: Offset=Cable loss+ attenuation factor.  |
|      | Test Procedure:        | <ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Enable the EUT hopping function.</li> <li>Use the following spectrum analyzer settings:<br/>Span = wide enough to capture the peaks of two adjacent channels; RBW is set to approximately 30% of the channel spacing, adjust as necessary to best identify the center of each individual channel;<br/>VBW≥RBW; Sweep = auto;<br/>Detector function = peak; Trace = max hold.</li> <li>Use the marker-delta function to determine the separation between the peaks of the adjacent channels.<br/>Record the value in report.</li> </ol> |
|      | Limit:                 | 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.  |
|      | Exploratory Test Mode: | Hopping transmitting with all kind of modulation and all kind of data type  |
|      | Final Test Mode:       | Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.  |
| Ć    | Test Results:          | Refer to Appendix BT Classic  |
|      |                        |   |



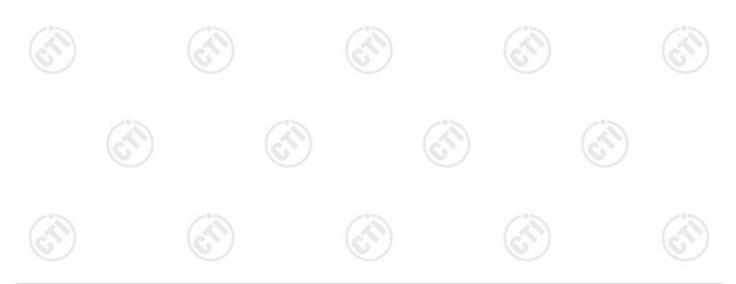






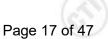
# 5.5 Number of Hopping Channel

| Test Requirement: | 47 CFR Part 15C Section 15.247 (a)(1)  |
|-------------------|--|
| Test Method:      | ANSI C63.10:2013   |
| Test Setup:       | Control<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruent<br>Congruen |
|                   | Remark: Offset=Cable loss+ attenuation factor.   |
| Test Procedure:   | <ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> </ol>   |
|                   | <ul> <li>3. Enable the EUT hopping function.</li> <li>4. Use the following spectrum analyzer settings: Span = the frequency band of operation; set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller; VBW≥RBW; Sweep= auto Detector function = peak; Trace = max hold.</li> </ul>   |
|                   | 5. The number of hopping frequency used is defined as the number of total channel.   |
| <u> </u>          | 6. Record the measurement data in report.  |
| Limit:            | Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.  |
| Test Mode:        | Hopping transmitting with all kind of modulation   |
| Test Results:     | Refer to Appendix BT Classic   |
|                   |  |



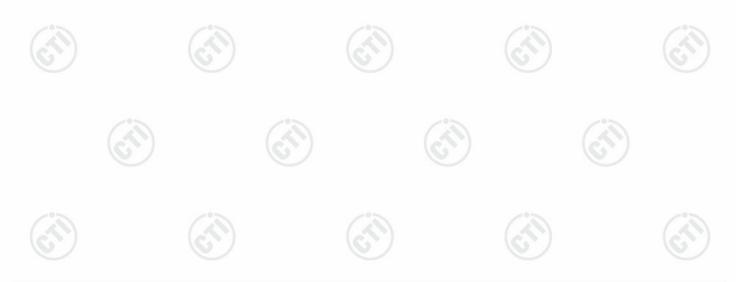






## 5.6 Time of Occupancy

| Test Requirement: | 47 CFR Part 15C Section 15.247 (a)(1)  |
|-------------------|--|
| Test Method:      | ANSI C63.10:2013   |
| Test Setup:       | Control<br>Composer<br>Power<br>Suppy<br>TehneRature Cabnet<br>Table   |
|                   | Remark: Offset=Cable loss+ attenuation factor.   |
| Test Procedure:   | <ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Enable the EUT hopping function.</li> <li>Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be ≤ channel spacing and where possible RBW should be set &gt;&gt; 1 / T, where T is the expected dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.</li> <li>Measure and record the results in the test report.</li> </ol> |
| Limit:            | 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.   |
| Test Mode:        | Hopping transmitting with all kind of modulation and all kind of data type.  |
| Test Results:     | Refer to Appendix BT Classic   |
| G                 |  |

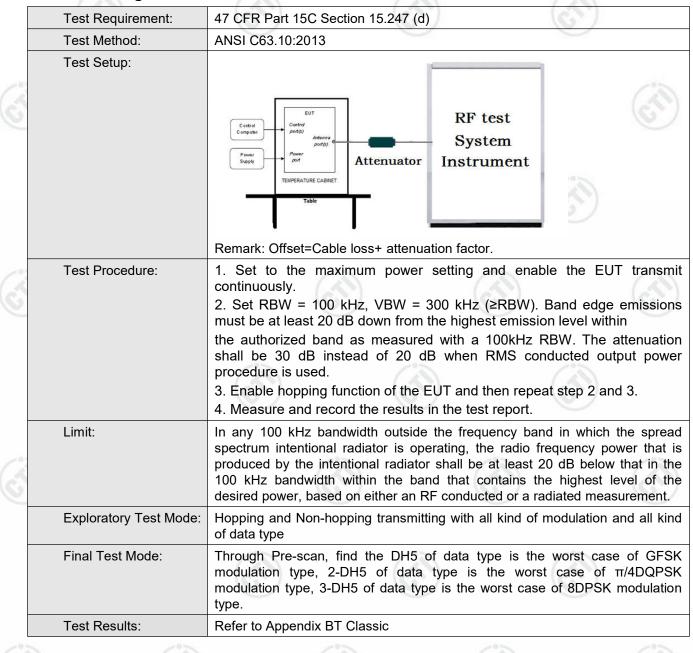








#### 5.7 Band edge Measurements











## 5.8 Conducted Spurious Emissions

|    | Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)   |
|----|------------------------|--|
|    | Test Method:           | ANSI C63.10:2013   |
| (N | Test Setup:            | Control<br>Computer<br>Computer<br>Power<br>Supph<br>Tele<br>Table<br>RF test<br>System<br>Instrument  |
|    |                        | Remark: Offset=Cable loss+ attenuation factor.   |
| 3  | Test Procedure:        | <ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW.</li> <li>Measure and record the results in the test report.</li> <li>The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> </ol> |
| Ś  | Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.  |
|    | Exploratory Test Mode: | Non-hopping transmitting with all kind of modulation and all kind of data type   |
|    | Final Test Mode:       | Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.   |
|    |                        |  |







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#### 5.9 **Pseudorandom Frequency Hopping Sequence** 47 CFR Part 15C Section 15.247 (a)(1), (h) requirement: Test Requirement: The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals. Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section. The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted. Compliance for section 15.247(a)(1) According to Bluetooth Core Specification, the pseudorandom sequence may be generated in a ninestage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones. • Number of shift register stages: 9 • Length of pseudo-random sequence: 29 -1 = 511 bits · Longest sequence of zeros: 8 (non-inverted signal) Linear Feedback Shift Register for Generation of the PRBS sequence An example of Pseudorandom Frequency Hopping Sequence as follow: 20 62 46 77 7 64 16 75 1 8 73 Each frequency used equally on the average by each transmitter. According to Bluetooth Core Specification, Bluetooth receivers are designed to have input and IF bandwidths that match the hopping channel bandwidths of any Bluetooth transmitters and shift frequencies in synchronization with the transmitted signals.







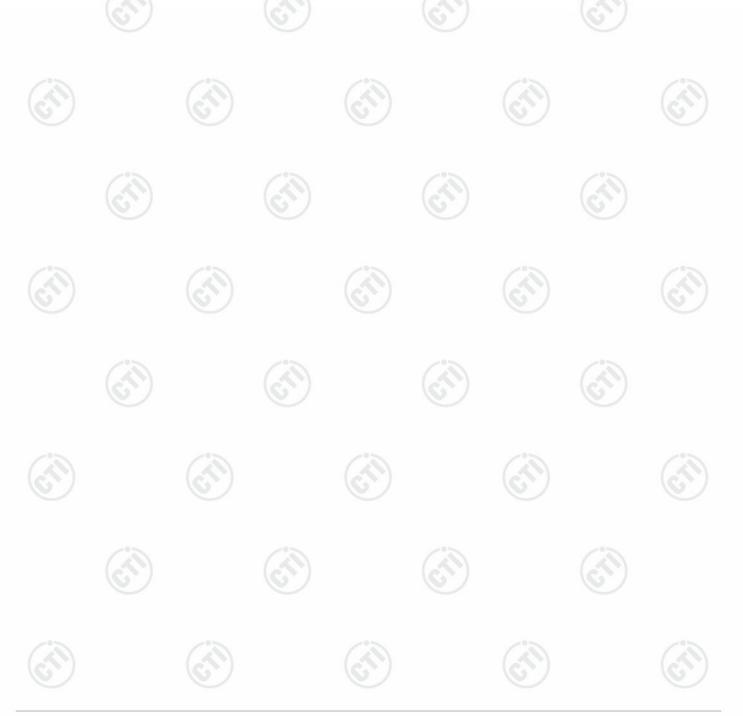
#### Compliance for section 15.247(g)

According to Bluetooth Core Specification, the Bluetooth system transmits the packet with the pseudorandom hopping frequency with a continuous data and the short burst transmission from the Bluetooth system is also transmitted under the frequency hopping system with the pseudorandom hopping frequency system.

#### Compliance for section 15.247(h)

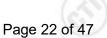
According to Bluetooth Core specification, the Bluetooth system incorporates with an adaptive system to detect other user within the spectrum band so that it individually and independently to avoid hopping on the occupied channels.

According to the Bluetooth Core specification, the Bluetooth system is designed not have the ability to coordinated with other FHSS System in an effort to avoid the simultaneous occupancy of individual hopping frequencies by multiple transmitter.









#### 5.10 Radiated Spurious Emission & Restricted bands

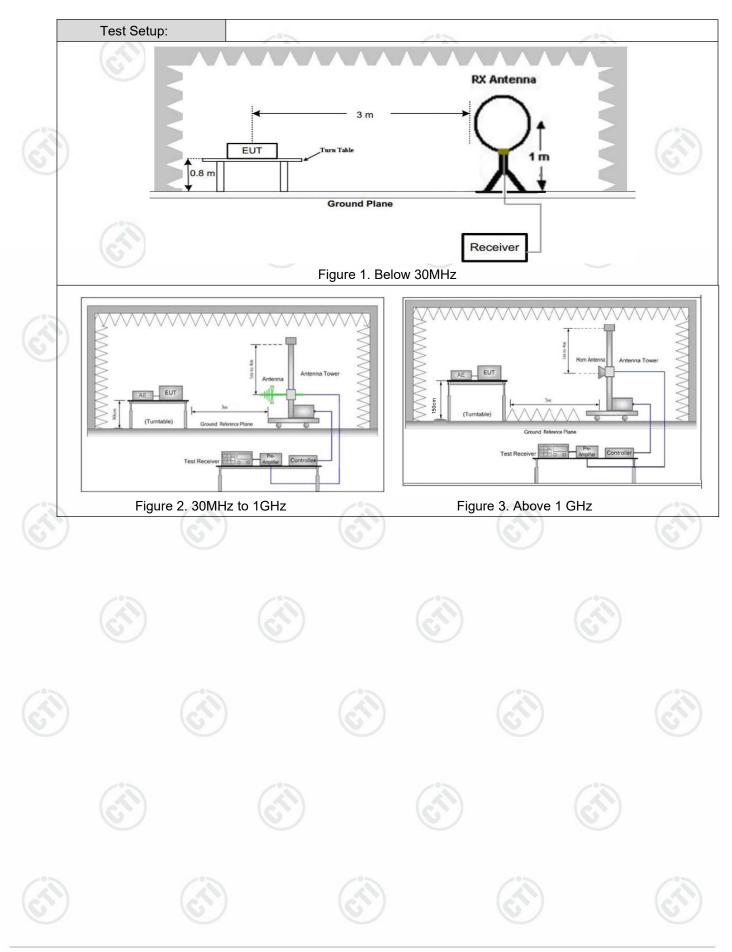
|          | Test Requirement: | 47 CFR Part 15C Sect  | on 15.209 and 15  | .205                                | 6                             | 1                                   |
|----------|-------------------|---|---|-------------------------------------|-------------------------------|-------------------------------------|
| -        | Test Method:      | ANSI C63.10: 2013   |   |                                     | (V)                           |                                     |
|          | Test Site:        | Measurement Distance  | : 3m (Semi-Anech  | oic Cham                            | per)                          |                                     |
|          |                   | Frequency   | Detector  | RBW                                 | VBW                           | Remark                              |
|          |                   | 0.009MHz-0.090MH  |   | 10kHz                               |                               | Peak                                |
| 20       |                   | 0.009MHz-0.090MH  |   | 10kHz                               |                               | Average                             |
| 2        |                   | 0.090MHz-0.110MH  | v v   |                                     |                               | Quasi-peak                          |
| <u> </u> | <b>D</b> : 0 (    | 0.110MHz-0.490MH  |   | 10kHz                               |                               | Peak                                |
|          | Receiver Setup:   | 0.110MHz-0.490MH  |   | 10kHz                               |                               | Average                             |
|          |                   | 0.490MHz -30MHz   | · · · · · · · · · · · · · · · · · · ·   |                                     |                               | Quasi-peak                          |
|          |                   | 30MHz-1GHz  | Peak  | 100 kH                              |                               | Peak                                |
|          |                   |   | Peak  | 1MHz                                | 3MHz                          | Peak                                |
|          |                   | Above 1GHz  | Peak  | 1MHz                                | 10kHz                         | Average                             |
|          |                   | Frequency   | Field strength  | Limit<br>(dBuV/m)                   | Remark                        | Measuremen<br>distance (m)          |
|          |                   | 0.009MHz-0.490MHz   | 2400/F(kHz)   | -                                   | _                             | 300                                 |
|          |                   | 0.490MHz-1.705MHz   | 24000/F(kHz)  |                                     | _                             | 30                                  |
|          |                   | 1.705MHz-30MHz  | 30  |                                     | -                             | 30                                  |
| 3        |                   | 30MHz-88MHz   | 100   | 40.0                                | Quasi-peak                    | 3                                   |
| _        |                   | 88MHz-216MHz  | 150   | 43.5                                | Quasi-peak                    | 3                                   |
|          | Limit:            | 216MHz-960MHz   | 200   | 46.0                                | Quasi-peak                    | 3                                   |
|          | Linnt.            | 960MHz-1GHz   | 500   | 54.0                                | Quasi-peak                    | 3                                   |
|          |                   | Above 1GHz  | 500   | 54.0                                | Average                       | 3                                   |
|          | (.4               | Note: 15.35(b), Unless<br>emissions is 20d<br>applicable to the                     | otherwise specifie<br>3 above the maxin<br>equipment under t<br>vel radiated by the | num permi<br>æst. This p            | tted average                  | emission limit                      |
|          | J.                | Note: 15.35(b), Unless<br>emissions is 20d<br>applicable to the                     | B above the maxin equipment under t   | num permi<br>æst. This p            | tted average                  | emission limit                      |
|          | CT<br>CT          | Note: 15.35(b), Unless<br>emissions is 20d<br>applicable to the<br>peak emission le | 3 above the maxin<br>equipment under t<br>vel radiated by the                       | num permi<br>æst. This p            | tted average<br>eak limit app | emission limit                      |
|          |                   | Note: 15.35(b), Unless<br>emissions is 20d<br>applicable to the<br>peak emission le | 3 above the maxin<br>equipment under t<br>vel radiated by the                       | num permi<br>est. This p<br>device. | tted average<br>eak limit app | emission limit<br>lies to the total |







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| Test Results:          | Pass   |
|------------------------|--|
| Exploratory Test Mode: | data type.   |
| Test Procedure:        | <ul> <li>a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</li> <li>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was used to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna awas tuned to heights 1 meter) and the rotatable table was tored prove tha meter in a data sheet.</li> <li>g. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>f. If</li></ul> |

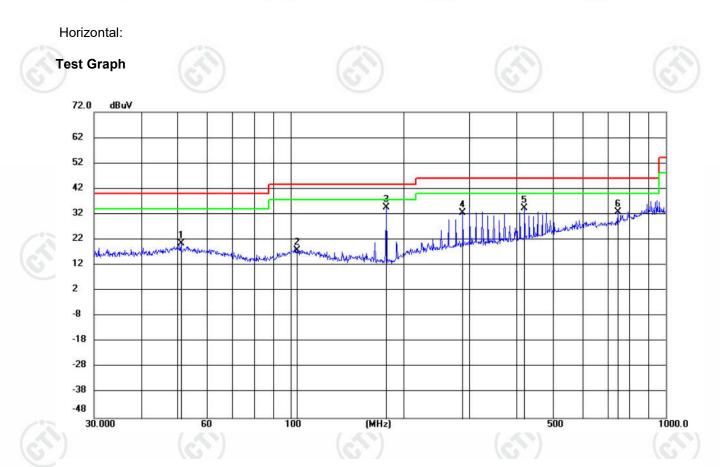






#### Radiated Spurious Emission below 1GHz:

During the test, the Radiated Spurious Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of DH5 for GFSK was recorded in the report.



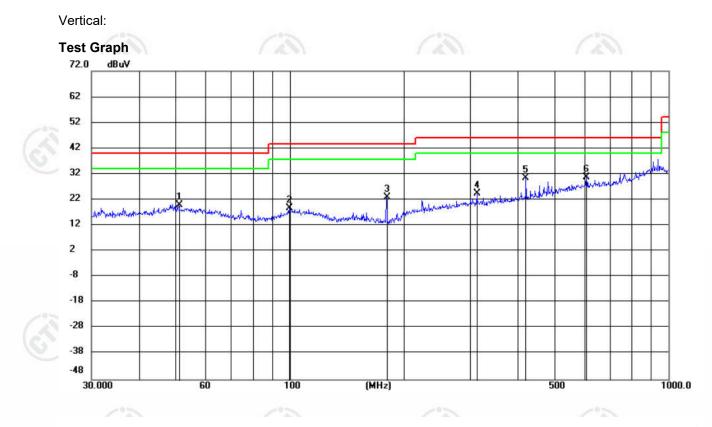
| No. | Mk. | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          | Antenna<br>Height | Table<br>Degree |         |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
|     |     | MHz      | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector | cm                | degree          | Comment |
| 1   |     | 51.1209  | 5.94             | 14.65             | 20.59            | 40.00  | -19.41 | peak     | 100               | 307             |         |
| 2   |     | 104.1701 | 4.36             | 13.60             | 17.96            | 43.50  | -25.54 | peak     | 200               | 4               |         |
| 3   | *   | 180.0164 | 24.45            | 10.20             | 34.65            | 43.50  | -8.85  | peak     | 100               | 356             |         |
| 4   |     | 287.9904 | 16.22            | 16.37             | 32.59            | 46.00  | -13.41 | peak     | 100               | 144             |         |
| 5   |     | 420.5803 | 15.52            | 18.79             | 34.31            | 46.00  | -11.69 | peak     | 200               | 129             |         |
| 6   |     | 744.8660 | 8.83             | 24.10             | 32.93            | 46.00  | -13.07 | peak     | 200               | 4               |         |











| No. | Mk. | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          | Antenna<br>Height | Table<br>Degree |         |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
|     |     | MHz      | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector | cm                | degree          | Comment |
| 1   |     | 50.9420  | 5.23             | 14.67             | 19.90            | 40.00  | -20.10 | peak     | 200               | 157             |         |
| 2   |     | 99.8777  | 5.01             | 13.62             | 18.63            | 43.50  | -24.87 | peak     | 200               | 113             |         |
| 3   | )   | 180.0165 | 12.61            | 10.20             | 22.81            | 43.50  | -20.69 | peak     | 200               | 318             |         |
| 4   |     | 312.1794 | 7.56             | 17.02             | 24.58            | 46.00  | -21.42 | peak     | 100               | 75              |         |
| 5   | ł   | 420.5803 | 11.59            | 18.79             | 30.38            | 46.00  | -15.62 | peak     | 200               | 211             |         |
| 6   | *   | 607.7867 | 8.09             | 22.67             | 30.76            | 46.00  | -15.24 | peak     | 100               | 4               |         |











#### **Radiated Spurious Emission above 1GHz**

|      | Mode | :              |                | GFSK | Transmit        | tting             |                                       | Channel:    |        | 2402 MHz | <u>:</u> |
|------|------|----------------|----------------|------|-----------------|-------------------|---------------------------------------|-------------|--------|----------|----------|
|      | NO   | Freq.<br>[MHz] | Factor<br>[dB] | Re   | eading<br>IBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m]                     | Margin [dB] | Result | Polarity | Remark   |
| - 10 | 1    | 1269.2269      | 0.98           | 3    | 39.32           | 40.30             | 74.00                                 | 33.70       | Pass   | Н        | PK       |
| 1    | 2    | 1908.2908      | 4.07           | 3    | 38.44           | 42.51             | 74.00                                 | 31.49       | Pass   | Н        | PK       |
| 2    | 3    | 4804.1203      | -16.23         | 5 5  | 57.22           | 40.99             | 74.00                                 | 33.01       | Pass   | Н        | PK       |
|      | 4    | 7053.2702      | -11.70         | ) 4  | 19.37           | 37.67             | 74.00                                 | 36.33       | Pass   | Н        | PK       |
|      | 5    | 9601.4401      | -7.35          | 5    | 51.80           | 44.45             | 74.00                                 | 29.55       | Pass   | Н        | PK       |
|      | 6    | 13746.7164     | -1.70          | 4    | 6.76            | 45.06             | 74.00                                 | 28.94       | Pass   | Н        | PK       |
|      | 7    | 1331.0331      | 1.16           | 3    | 38.94           | 40.10             | 74.00                                 | 33.90       | Pass   | V        | PK       |
|      | 8    | 1891.2891      | 3.96           | 3    | 37.99           | 41.95             | 74.00                                 | 32.05       | Pass   | V        | PK       |
|      | 9    | 4804.1203      | -16.23         | 5 5  | 53.79           | 37.56             | 74.00                                 | 36.44       | Pass   | V        | PK       |
|      | 10   | 6953.2636      | -11.83         | 5 5  | 50.32           | 38.49             | 74.00                                 | 35.51       | Pass   | V        | PK       |
| 1    | 11   | 9601.4401      | -7.35          | 5    | 52.76           | 45.41             | 74.00                                 | 28.59       | Pass   | V        | PK       |
| 6    | 12   | 17379.9587     | 2.78           | 4    | 6.51            | 49.29             | 74.00                                 | 24.71       | Pass   | V        | PK       |
|      | 11   |                |                | 1    |                 |                   | · · · · · · · · · · · · · · · · · · · |             | /      |          |          |

| N | /lode | :              |                | GFSK Transmi      | tting             |                   | Channel:    |        | 2441 MH  | 2      |
|---|-------|----------------|----------------|-------------------|-------------------|-------------------|-------------|--------|----------|--------|
| 1 | 10    | Freq.<br>[MHz] | Factor<br>[dB] | Reading<br>[dBμV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin [dB] | Result | Polarity | Remark |
|   | 1     | 1351.0351      | 1.23           | 39.14             | 40.37             | 74.00             | 33.63       | Pass   | Н        | PK     |
|   | 2     | 2067.1067      | 4.77           | 37.77             | 42.54             | 74.00             | 31.46       | Pass   | Н        | PK     |
|   | 3     | 4882.1255      | -16.21         | 58.65             | 42.44             | 74.00             | 31.56       | Pass   | н        | PK     |
| - | 4     | 7769.318       | -11.28         | 3 49.77           | 38.49             | 74.00             | 35.51       | Pass   | Н        | PK     |
|   | 5     | 9758.4506      | -7.52          | 51.61             | 44.09             | 74.00             | 29.91       | Pass   | н        | PK     |
| 4 | 6     | 14360.7574     | 0.57           | 44.70             | 45.27             | 74.00             | 28.73       | Pass   | н        | PK     |
|   | 7     | 1226.6227      | 0.87           | 40.31             | 41.18             | 74.00             | 32.82       | Pass   | V        | PK     |
|   | 8     | 1755.4755      | 3.13           | 39.00             | 42.13             | 74.00             | 31.87       | Pass   | V        | PK     |
|   | 9     | 4882.1255      | -16.21         | 54.57             | 38.36             | 74.00             | 35.64       | Pass   | V        | PK     |
|   | 10    | 7451.2968      | -11.30         | ) 49.26           | 37.96             | 74.00             | 36.04       | Pass   | V        | PK     |
|   | 11    | 9758.4506      | -7.52          | 52.86             | 45.34             | 74.00             | 28.66       | Pass   | V        | PK     |
|   | 12    | 14381.7588     | 0.92           | 44.66             | 45.58             | 74.00             | 28.42       | Pass   | V        | PK     |









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|      | Mode | :              |                | GFSK Transm       | itting            |                   | Channel:    |        | 2480 MHz | 2      |
|------|------|----------------|----------------|-------------------|-------------------|-------------------|-------------|--------|----------|--------|
|      | NO   | Freq.<br>[MHz] | Factor<br>[dB] | Reading<br>[dBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin [dB] | Result | Polarity | Remark |
| Γ    | 1    | 1324.4324      | 1.14           | 38.88             | 40.02             | 74.00             | 33.98       | Pass   | н        | PK     |
| - 62 | 2    | 1899.2899      | 4.03           | 37.75             | 41.78             | 74.00             | 32.22       | Pass   | Н        | PK     |
| 5    | 3    | 4960.1307      | -15.97         | 57.09             | 41.12             | 74.00             | 32.88       | Pass   | н        | PK     |
| 2    | 4    | 7345.2897      | -11.60         | 49.67             | 38.07             | 74.00             | 35.93       | Pass   | Н        | PK     |
| Ī    | 5    | 9914.461       | -7.09          | 51.36             | 44.27             | 74.00             | 29.73       | Pass   | н        | PK     |
| Ī    | 6    | 13380.692      | -2.92          | 46.10             | 43.18             | 74.00             | 30.82       | Pass   | Н        | PK     |
| Ī    | 7    | 1341.8342      | 1.20           | 39.09             | 40.29             | 74.00             | 33.71       | Pass   | V        | PK     |
| Ī    | 8    | 1860.086       | 3.73           | 38.28             | 42.01             | 74.00             | 31.99       | Pass   | V        | PK     |
| ſ    | 9    | 4960.1307      | -15.97         | 55.84             | 39.87             | 74.00             | 34.13       | Pass   | V        | PK     |
| Ī    | 10   | 6706.2471      | -12.48         | 49.99             | 37.51             | 74.00             | 36.49       | Pass   | V        | PK     |
|      | 11   | 9913.4609      | -7.09          | 51.03             | 43.94             | 74.00             | 30.06       | Pass   | V        | PK     |
| 10   | 12   | 13751.7168     | -1.70          | 47.48             | 45.78             | 74.00             | 28.22       | Pass   | V        | PK     |
| 5    |      |                | 16.            | 1                 | 6                 | ]                 | (G)*        | 1      |          | 67     |
| -    | Mode | :              |                | π/4DQPSK Tra      | ansmitting        |                   | Channel:    |        | 2402 MHz | Z      |
|      | NO   | Freq.<br>[MHz] | Factor<br>[dB] | Reading<br>[dBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin [dB] | Result | Polarity | Remark |
|      | 1    | 1281.8282      | 1.01           | 40.12             | 41.13             | 74.00             | 32.87       | Pass   | Н        | PK     |
|      | 2    | 2082.9083      | 4.83           | 38.86             | 43.69             | 74.00             | 30.31       | Pass   | Н        | PK     |
|      | 3    | 4804.1203      | -16.23         | 57.17             | 40.94             | 74.00             | 33.06       | Pass   | Н        | PK     |
|      | 4    | 7451.2968      | -11.30         | 51.17             | 39.87             | 74.00             | 34.13       | Pass   | Н        | PK     |
| 2    | 5    | 9602.4402      | -7.35          | 51.76             | 44.41             | 74.00             | 29.59       | Pass   | Н        | PK     |
| 5    | 6    | 14356.7571     | 0.51           | 44.87             | 45.38             | 74.00             | 28.62       | Pass   | Н        | PK     |
|      | 7    | 1291.4291      | 1.04           | 39.06             | 40.10             | 74.00             | 33.90       | Pass   | V        | PK     |
| Ī    | 8    | 1977.4978      | 4.43           | 38.70             | 43.13             | 74.00             | 30.87       | Pass   | V        | PK     |
| Ī    | 9    | 4804.1203      | -16.23         | 53.00             | 36.77             | 74.00             | 37.23       | Pass   | V        | PK     |
| f    | 10   | 7830.322       | -11.24         | 49.19             | 37.95             | 74.00             | 36.05       | Pass   | V        | PK     |
| Ē    | 11   | 9601.4401      | -7.35          | 53.01             | 45.66             | 74.00             | 28.34       | Pass   | V        | PK     |

12

13721.7148



-1.74

46.35



44.61



29.39

74.00



Pass

V



ΡK



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|      | Mode                                       | :   |  | π/4DQPSK Tra  | nsmitting  |   | Channel:   |  | 2441 MHz   | 2  |
|------|--|---|--|---|--|---|--|--|--|--|
|      | NO   | Freq.<br>[MHz]  | Factor<br>[dB]   | Reading<br>[dBµV]   | Level<br>[dBµV/m]  | Limit<br>[dBµV/m]   | Margin [dB]  | Result   | Polarity   | Remark   |
|      | 1  | 1401.8402   | 1.39   | 39.39   | 40.78  | 74.00   | 33.22  | Pass   | Н  | PK   |
| - 60 | 2  | 2061.7062   | 4.76   | 38.68   | 43.44  | 74.00   | 30.56  | Pass   | Н  | PK   |
| 5    | 3  | 4882.1255   | -16.21   | 57.20   | 40.99  | 74.00   | 33.01  | Pass   | Н  | PK   |
| 2    | 4  | 7267.2845   | -11.74   | 51.06   | 39.32  | 74.00   | 34.68  | Pass   | Н  | PK   |
|      | 5  | 9758.4506   | -7.52  | 52.07   | 44.55  | 74.00   | 29.45  | Pass   | Н  | PK   |
| Γ    | 6  | 13768.7179  | -1.68  | 46.54   | 44.86  | 74.00   | 29.14  | Pass   | н  | PK   |
|      | 7  | 1325.6326   | 1.15   | 39.16   | 40.31  | 74.00   | 33.69  | Pass   | V  | PK   |
| Ī    | 8  | 1838.8839   | 3.57   | 39.76   | 43.33  | 74.00   | 30.67  | Pass   | V  | PK   |
| Ī    | 9  | 4782.1188   | -16.29   | 62.55   | 46.26  | 74.00   | 27.74  | Pass   | V  | PK   |
| Ī    | 10   | 7413.2942   | -11.46   | 49.60   | 38.14  | 74.00   | 35.86  | Pass   | V  | PK   |
|      | 11   | 9757.4505   | -7.52  | 53.04   | 45.52  | 74.00   | 28.48  | Pass   | V  | PK   |
| 1    | 12   | 14408.7606  | 1.10   | 44.65   | 45.75  | 74.00   | 28.25  | Pass   | V  | PK   |
|      |  |   | 10.7   |   |  |   |  |  |  |  |
| Ωп   | - /  |   | 10.0   | /   | 10.0   | /   | 16.3   | 1  |  | 10.5   |
| 4    | Mode                                       | :   |  | π/4DQPSK Tra  | nsmitting  | 7   | Channel:   |  | 2480 MHz   | 2  |
| 4    | Mode<br>NO                                 | Freq.<br>[MHz]  | Factor<br>[dB]   | π/4DQPSK Tra<br>Reading<br>[dBµV]   | nsmitting<br>Level<br>[dBµV/m]   | Limit<br>[dBµV/m]   | Channel:<br>Margin [dB]  | Result   | 2480 MHz<br>Polarity                                       | z<br>Remark  |
|      |  | Freq.   | Factor   | Reading   | Level  |   |  | Result   |  |  |
|      | NO   | Freq.<br>[MHz]  | Factor<br>[dB]   | Reading<br>[dBµV]   | Level<br>[dBµV/m]  | [dBµV/m]  | Margin [dB]  |  | Polarity   | Remark   |
|      | NO<br>1                                    | Freq.<br>[MHz]<br>1320.8321   | Factor<br>[dB]   | Reading<br>[dBµV]<br>40.24  | Level<br>[dBµV/m]<br>41.37   | [dBµV/m]<br>74.00   | Margin [dB]<br>32.63   | Pass   | Polarity<br>H  | Remark<br>PK   |
|      | NO<br>1<br>2                               | Freq.<br>[MHz]<br>1320.8321<br>1974.6975  | Factor<br>[dB]<br>1.13<br>4.42   | Reading<br>[dBμV]           40.24           38.76   | Level<br>[dBµV/m]<br>41.37<br>43.18  | [dBµV/m]<br>74.00<br>74.00  | Margin [dB]<br>32.63<br>30.82  | Pass<br>Pass   | Polarity<br>H<br>H   | Remark<br>PK<br>PK                                     |
|      | NO<br>1<br>2<br>3                          | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307   | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97   | Reading<br>[dBµV]           40.24           38.76           56.78   | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81   | [dBµV/m]<br>74.00<br>74.00<br>74.00   | Margin [dB]<br>32.63<br>30.82<br>33.19   | Pass<br>Pass<br>Pass   | Polarity<br>H<br>H<br>H                                    | Remark<br>PK<br>PK<br>PK                               |
|      | NO<br>1<br>2<br>3<br>4                     | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307<br>7776.3184  | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97<br>-11.30   | Reading<br>[dBμV]           40.24           38.76           56.78           50.02   | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81<br>38.72  | [dBµV/m]<br>74.00<br>74.00<br>74.00<br>74.00  | Margin [dB]<br>32.63<br>30.82<br>33.19<br>35.28  | Pass<br>Pass<br>Pass<br>Pass                                 | Polarity<br>H<br>H<br>H<br>H                               | Remark<br>PK<br>PK<br>PK<br>PK                         |
|      | NO<br>1<br>2<br>3<br>4<br>5                | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307<br>7776.3184<br>9914.461  | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97<br>-11.30<br>-7.09                                    | Reading<br>[dBµV]           40.24           38.76           56.78           50.02           51.57   | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81<br>38.72<br>44.48                                     | [dBµV/m]<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00                                     | Margin [dB]<br>32.63<br>30.82<br>33.19<br>35.28<br>29.52                                     | Pass<br>Pass<br>Pass<br>Pass<br>Pass                         | Polarity<br>H<br>H<br>H<br>H<br>H                          | Remark<br>PK<br>PK<br>PK<br>PK<br>PK                   |
|      | NO 1 2 3 4 5 6                             | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307<br>7776.3184<br>9914.461<br>13287.6858  | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97<br>-11.30<br>-7.09<br>-3.42                           | Reading<br>[dBμV]           40.24           38.76           56.78           50.02           51.57           46.66   | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81<br>38.72<br>44.48<br>43.24                            | [dBµV/m]<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00                            | Margin [dB]<br>32.63<br>30.82<br>33.19<br>35.28<br>29.52<br>30.76                            | Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass                 | Polarity<br>H<br>H<br>H<br>H<br>H<br>H<br>H                | Remark<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK             |
|      | NO 1 2 3 4 5 6 7                           | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307<br>7776.3184<br>9914.461<br>13287.6858<br>1321.6322                           | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97<br>-11.30<br>-7.09<br>-3.42<br>1.13                   | Reading<br>[dBµV]           40.24           38.76           56.78           50.02           51.57           46.66           39.52                                 | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81<br>38.72<br>44.48<br>43.24<br>40.65                   | [dBµV/m]<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00                   | Margin [dB]<br>32.63<br>30.82<br>33.19<br>35.28<br>29.52<br>30.76<br>33.35                   | Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass         | Polarity<br>H<br>H<br>H<br>H<br>H<br>H<br>V                | Remark<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK       |
|      | NO<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8 | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307<br>7776.3184<br>9914.461<br>13287.6858<br>1321.6322<br>1849.2849              | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97<br>-11.30<br>-7.09<br>-3.42<br>1.13<br>3.65           | Reading<br>[dBμV]           40.24           38.76           56.78           50.02           51.57           46.66           39.52           38.65                 | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81<br>38.72<br>44.48<br>43.24<br>40.65<br>42.30          | [dBµV/m]<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00          | Margin [dB]<br>32.63<br>30.82<br>33.19<br>35.28<br>29.52<br>30.76<br>33.35<br>31.70          | Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass | Polarity<br>H<br>H<br>H<br>H<br>H<br>H<br>V<br>V<br>V      | Remark<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK |
|      | NO 1 2 3 4 5 6 7 8 9                       | Freq.<br>[MHz]<br>1320.8321<br>1974.6975<br>4960.1307<br>7776.3184<br>9914.461<br>13287.6858<br>1321.6322<br>1849.2849<br>4960.1307 | Factor<br>[dB]<br>1.13<br>4.42<br>-15.97<br>-11.30<br>-7.09<br>-3.42<br>1.13<br>3.65<br>-15.97 | Reading<br>[dBµV]           40.24           38.76           56.78           50.02           51.57           46.66           39.52           38.65           55.39 | Level<br>[dBµV/m]<br>41.37<br>43.18<br>40.81<br>38.72<br>44.48<br>43.24<br>40.65<br>42.30<br>39.42 | [dBµV/m]<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00<br>74.00 | Margin [dB]<br>32.63<br>30.82<br>33.19<br>35.28<br>29.52<br>30.76<br>33.35<br>31.70<br>34.58 | Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass<br>Pass | Polarity<br>H<br>H<br>H<br>H<br>H<br>H<br>V<br>V<br>V<br>V | Remark<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK<br>PK |









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| Mode | :              |                | 8DPSK Transm      | itting            |                   | Channel:    |        | 2402 MHz | <u>.</u> |
|------|----------------|----------------|-------------------|-------------------|-------------------|-------------|--------|----------|----------|
| NO   | Freq.<br>[MHz] | Factor<br>[dB] | Reading<br>[dBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin [dB] | Result | Polarity | Remark   |
| 1    | 1376.4376      | 1.32           | 39.32             | 40.64             | 74.00             | 33.36       | Pass   | Н        | PK       |
| 2    | 1980.8981      | 4.45           | 38.23             | 42.68             | 74.00             | 31.32       | Pass   | Н        | PK       |
| 3    | 4804.1203      | -16.23         | 56.62             | 40.39             | 74.00             | 33.61       | Pass   | н        | PK       |
| 4    | 6657.2438      | -12.63         | 50.64             | 38.01             | 74.00             | 35.99       | Pass   | Н        | PK       |
| 5    | 9602.4402      | -7.35          | 51.92             | 44.57             | 74.00             | 29.43       | Pass   | Н        | PK       |
| 6    | 12100.6067     | -5.86          | 49.27             | 43.41             | 74.00             | 30.59       | Pass   | Н        | PK       |
| 7    | 1205.4205      | 0.82           | 39.89             | 40.71             | 74.00             | 33.29       | Pass   | V        | PK       |
| 8    | 1979.698       | 4.45           | 38.17             | 42.62             | 74.00             | 31.38       | Pass   | V        | PK       |
| 9    | 4804.1203      | -16.23         | 52.80             | 36.57             | 74.00             | 37.43       | Pass   | V        | PK       |
| 10   | 7719.3146      | -11.11         | 49.28             | 38.17             | 74.00             | 35.83       | Pass   | V        | PK       |
| 11   | 9602.4402      | -7.35          | 53.14             | 45.79             | 74.00             | 28.21       | Pass   | V        | PK       |
| 12   | 13275.685      | -3.37          | 46.44             | 43.07             | 74.00             | 30.93       | Pass   | V        | PK       |
|      |                |                |                   |                   | /                 |             | 1      |          |          |

| Mode | e:             |                | 8DPSK Transm      | itting            |                   | Channel:    |        | 2441 MHz | 2      |
|------|----------------|----------------|-------------------|-------------------|-------------------|-------------|--------|----------|--------|
| NO   | Freq.<br>[MHz] | Factor<br>[dB] | Reading<br>[dBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin [dB] | Result | Polarity | Remark |
| 1    | 1362.2362      | 1.26           | 39.10             | 40.36             | 74.00             | 33.64       | Pass   | Н        | PK     |
| 2    | 1869.687       | 3.80           | 38.65             | 42.45             | 74.00             | 31.55       | Pass   | н        | PK     |
| 3    | 4882.1255      | -16.21         | 56.66             | 40.45             | 74.00             | 33.55       | Pass   | н        | PK     |
| 4    | 7349.29        | -11.60         | 50.80             | 39.20             | 74.00             | 34.80       | Pass   | Н        | PK     |
| 5    | 9757.4505      | -7.52          | 52.51             | 44.99             | 74.00             | 29.01       | Pass   | Н        | PK     |
| 6    | 14379.7587     | 0.88           | 44.18             | 45.06             | 74.00             | 28.94       | Pass   | Н        | PK     |
| 7    | 1317.8318      | 1.12           | 39.45             | 40.57             | 74.00             | 33.43       | Pass   | V        | PK     |
| 8    | 1898.0898      | 4.02           | 37.92             | 41.94             | 74.00             | 32.06       | Pass   | V        | PK     |
| 9    | 4882.1255      | -16.21         | 53.73             | 37.52             | 74.00             | 36.48       | Pass   | V        | PK     |
| 10   | 7815.321       | -11.31         | 49.83             | 38.52             | 74.00             | 35.48       | Pass   | V        | PK     |
| 11   | 9758.4506      | -7.52          | 51.94             | 44.42             | 74.00             | 29.58       | Pass   | V        | PK     |
| 12   | 13682.7122     | -1.75          | 45.92             | 44.17             | 74.00             | 29.83       | Pass   | V        | PK     |









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| Mode | e:             |   | 8DPSK Transm      | nitting           |                   | Channel:                                |        | 2480 MHz | 2      |
|------|----------------|---|-------------------|-------------------|-------------------|---|--------|----------|--------|
| NO   | Freq.<br>[MHz] | Factor<br>[dB]                          | Reading<br>[dBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin [dB]                             | Result | Polarity | Remark |
| 1    | 1351.8352      | 1.23                                    | 38.90             | 40.13             | 74.00             | 33.87                                   | Pass   | Н        | PK     |
| 2    | 1782.0782      | 3.22                                    | 39.09             | 42.31             | 74.00             | 31.69                                   | Pass   | н        | PK     |
| 3    | 4960.1307      | -15.97                                  | 57.07             | 41.10             | 74.00             | 32.90                                   | Pass   | Н        | PK     |
| 4    | 7195.2797      | -11.82                                  | 50.12             | 38.30             | 74.00             | 35.70                                   | Pass   | Н        | PK     |
| 5    | 9914.461       | -7.09                                   | 51.38             | 44.29             | 74.00             | 29.71                                   | Pass   | н        | PK     |
| 6    | 13835.7224     | -1.75                                   | 46.37             | 44.62             | 74.00             | 29.38                                   | Pass   | н        | PK     |
| 7    | 1269.0269      | 0.98                                    | 39.07             | 40.05             | 74.00             | 33.95                                   | Pass   | V        | PK     |
| 8    | 1662.0662      | 2.69                                    | 38.78             | 41.47             | 74.00             | 32.53                                   | Pass   | V        | PK     |
| 9    | 4960.1307      | -15.97                                  | 55.87             | 39.90             | 74.00             | 34.10                                   | Pass   | V        | PK     |
| 10   | 7730.3154      | -11.14                                  | 49.56             | 38.42             | 74.00             | 35.58                                   | Pass   | V        | PK     |
| 11   | 9914.461       | -7.09                                   | 51.57             | 44.48             | 74.00             | 29.52                                   | Pass   | V        | PK     |
| 12   | 13818.7212     | -1.69                                   | 45.73             | 44.04             | 74.00             | 29.96                                   | Pass   | V        | PK     |
|      |                | Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec. | 1                 |                   | 7                 | Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec. | 7      | -        |        |

#### Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
  - Final Test Level = Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

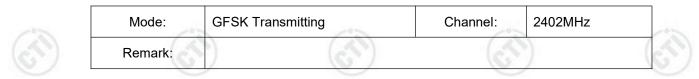




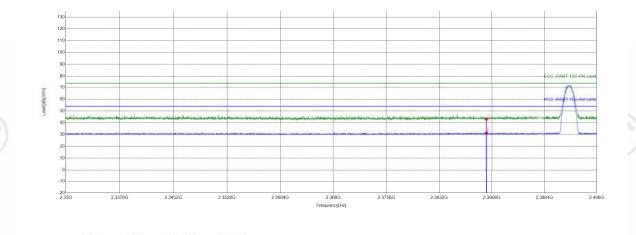


#### **Restricted bands:**

Test plot as follows:



Test Graph



#### PK Limit AV Limit Horizontal PK Horizontal AV PK Detector AV Detector

|   | Suspecte | d List         |                |                   |                   |                   |                |        |            |        |
|---|----------|----------------|----------------|-------------------|-------------------|-------------------|----------------|--------|------------|--------|
| 3 | NO       | Freq.<br>[MHz] | Factor<br>[dB] | Reading<br>[dBµV] | Level<br>[dBµV/m] | Limit<br>[dBµV/m] | Margin<br>[dB] | Result | Polarity   | Remark |
|   | 1        | 2390           | 5.77           | 37.46             | 43.23             | 74.00             | 30.77          | PASS   | Horizontal | PK     |
|   | 2        | 2390           | 5.77           | 25.40             | 31.17             | 74.00             | 42.83          | PASS   | Horizontal | AV     |
|   |          |                |                |                   |                   |                   |                |        |            |        |







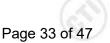










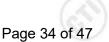










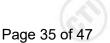












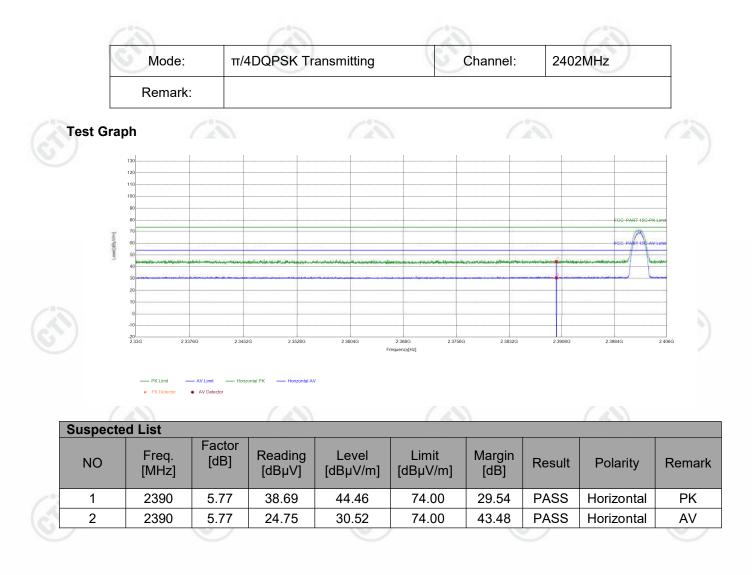








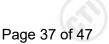










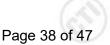










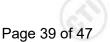




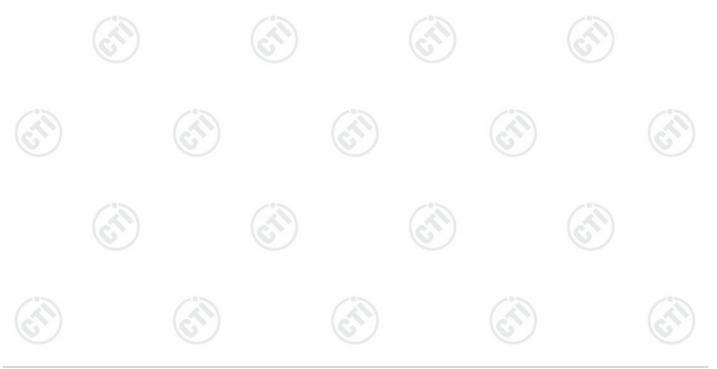






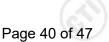


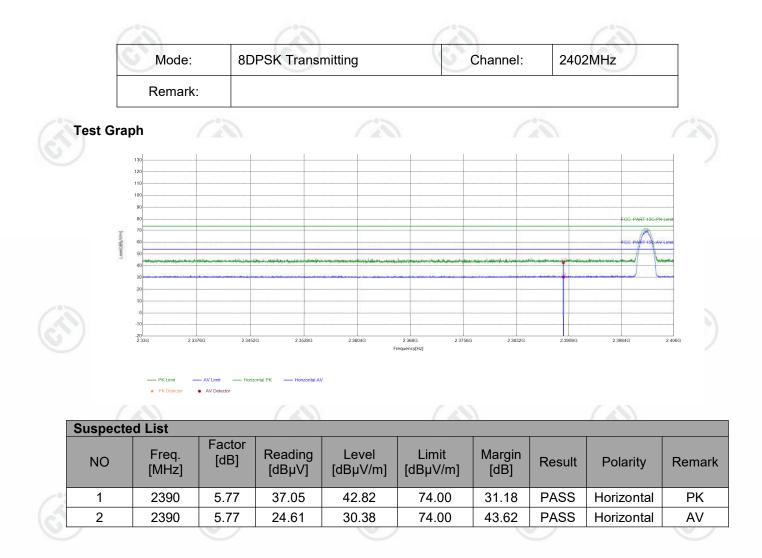


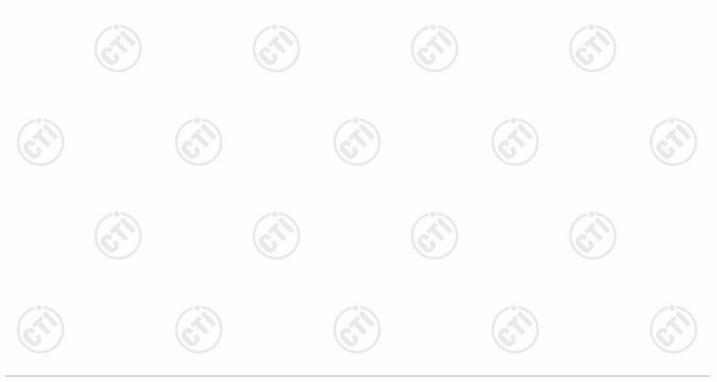






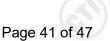


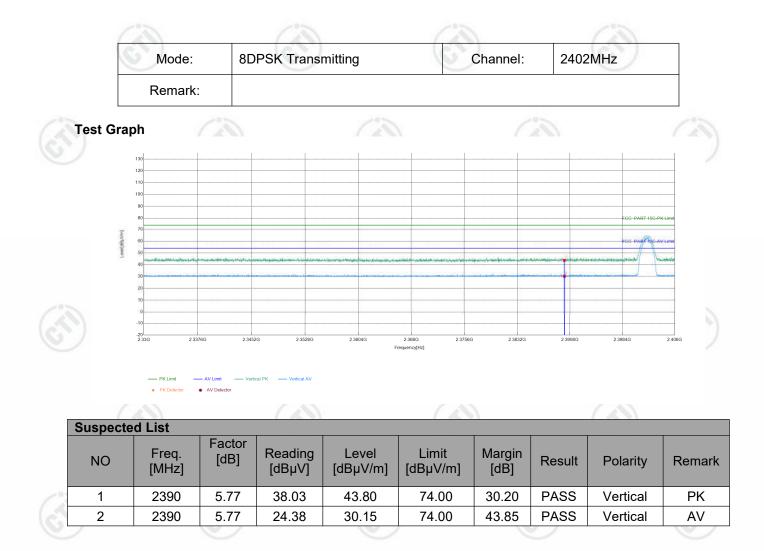


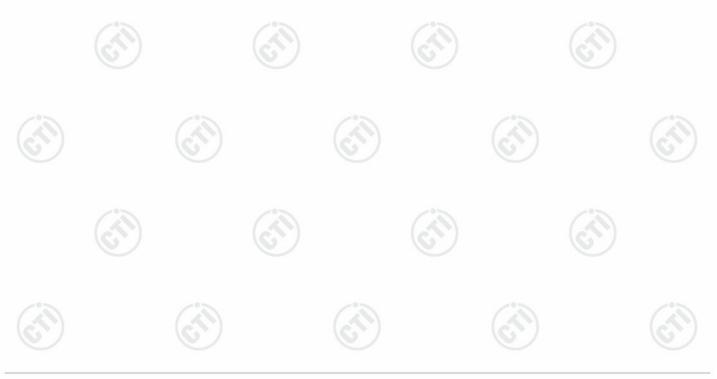






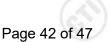












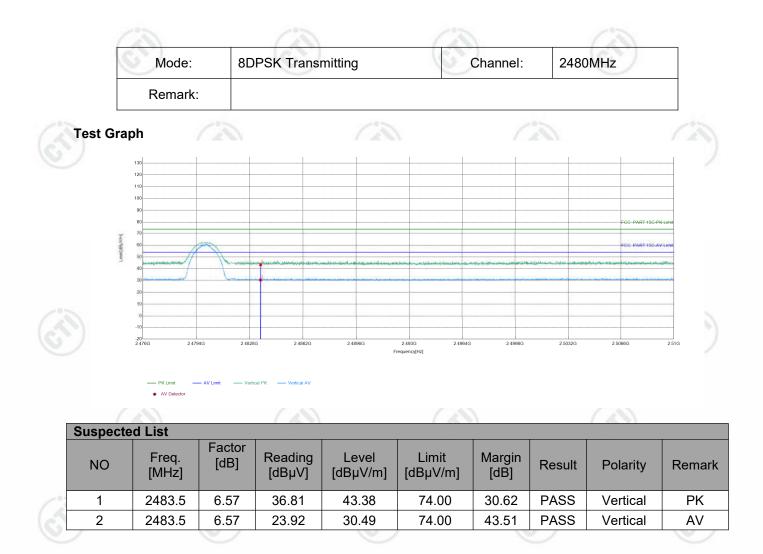












#### Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor – Antenna Factor – Cable Factor







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# 6 Appendix BT Classic

Refer to Appendix: Bluetooth Classic of EED32P80431602.

