



# **EST REPORT**

Product **Trade mark** Model/Type reference **Serial Number Report Number** FCC ID Date of Issue **Test Standards Test result** 

2.4G dongle

MINISO

SE69D

- N/A
- EED32N81434803
- : 2ART4-SE69D
- Feb. 11, 2022
- 47 CFR Part 15 Subpart C

Prepared for:

**MINISO** Corporation Room 2501, No. 486 Heye Square, Kangwang Middle Road,

PASS

Liwan District, Guangzhou, Guangdong, China

Prepared by:

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Reviewed by:

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Page 2 of 35

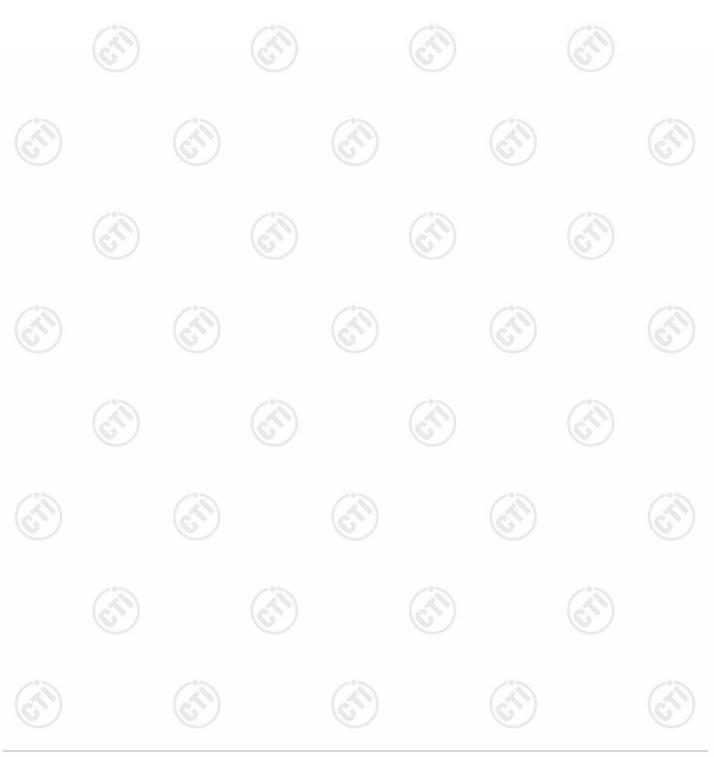
| 1 COVER PAGE   |                        |          |   |
|--|------------------------|----------|---|
|  |                        |          | ••••••••••••••••••••••••••••••••••••••• |
| 2 CONTENT  |                        |          |   |
| 3 VERSION  |                        |          |   |
| 4 TEST SUMMARY   |                        |          |   |
| 5 GENERAL INFORMATION  |                        |          |   |
| 5.1 CLIENT INFORMATION   |                        |          |   |
| 5.2 GENERAL DESCRIPTION OF EUT   |                        |          |   |
| 5.3 TEST CONFIGURATION   |                        |          |   |
| 5.4 TEST ENVIRONMENT<br>5.5 DESCRIPTION OF SUPPORT UNITS               |                        |          |   |
| 5.6 TEST LOCATION  |                        |          |   |
| 5.7 MEASUREMENT UNCERTAINTY (95%                                       | 6 CONFIDENCE LEVELS, K | =2)      |   |
| 6 EQUIPMENT LIST   |                        |          |   |
| 7 TEST RESULTS AND MEASUREME   | NT DATA                | <u> </u> | 1                                       |
| 7.1 ANTENNA REQUIREMENT  |                        |          |   |
| 7.2 MAXIMUM CONDUCTED OUTPUT PO  |                        |          |   |
| 7.3 DTS BANDWIDTH  |                        |          |   |
|  |                        |          |   |
| 7.4 MAXIMUM POWER SPECTRAL DENSI                                       |                        | MISSION  |   |
| 7.5 BAND EDGE MEASUREMENTS AND C                                       |                        |          | 1'                                      |
| 7.5 BAND EDGE MEASUREMENTS AND C<br>7.6 RADIATED SPURIOUS EMISSION & R | RESTRICTED BANDS       |          |   |
| 7.5 BAND EDGE MEASUREMENTS AND C                                       | RESTRICTED BANDS       |          | 23                                      |





### **3 Version**

|             | Version No. | Date          | Description | )                 |
|-------------|-------------|---------------|-------------|-------------------|
|             | 00          | Feb. 11, 2022 | Original    |                   |
|             |             | ·             |             | 12                |
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### ost Summarv



Page 4 of 35

| 4 Test Summary                                   |   |                       |  |
|--|---|-----------------------|--|
| Test Item  | Test Requirement                                      | Result<br>PASS<br>N/A |  |
| Antenna Requirement                              | 47 CFR Part 15 Subpart C Section<br>15.203/15.247 (c) |                       |  |
| AC Power Line Conducted<br>Emission              | 47 CFR Part 15 Subpart C Section<br>15.207            |                       |  |
| DTS Bandwidth                                    | 47 CFR Part 15 Subpart C Section<br>15.247 (a)(2)     | PASS                  |  |
| Maximum Conducted Output<br>Power                | 47 CFR Part 15 Subpart C Section<br>15.247 (b)(3)     | PASS                  |  |
| Maximum Power Spectral<br>Density                | 47 CFR Part 15 Subpart C Section 15.247 (e)           | 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 Emission &<br>Restricted bands | 47 CFR Part 15 Subpart C Section<br>15.205/15.209     | PASS                  |  |
|  |   | (6))                  |  |

#### 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.





### **5** General Information

### 5.1 Client Information

| Applicant:               | MINISO Corporation  |
|--------------------------|---|
| Address of Applicant:    | Room 2501, No. 486 Heye Square, Kangwang Middle Road, Liwan District, Guangzhou, Guangdong, China |
| Manufacturer:            | Dongguan Eranode electronics limited  |
| Address of Manufacturer: | building 2, No.17 DAHUAN Road, Dalingshan Town, Dongguan City, Guangdong Province                 |
| Factory:                 | Dongguan Eranode electronics limited  |
| Address of Factory:      | building 2, No.17 DAHUAN Road, Dalingshan Town, Dongguan City, Guangdong Province                 |

### 5.2 General Description of EUT

| Product Name:          | 2.4G dongle                 |   |                 |                |
|------------------------|-----------------------------|---|-----------------|----------------|
| Model No.:             | SE69D                       |   |                 |                |
| Trade mark:            | MINISO                      |   |                 |                |
| Product Type:          | ☐ Mobile                    | Fix Location  |                 | $(\mathbf{c})$ |
| Test Software of Eut : | SE67T_Test_v161             |   |                 | $\sim$         |
| Operation Frequency:   | 2402MHz~2480MHz             |   |                 |                |
| Modulation Type:       | GFSK                        | 13  | 10              |                |
| Number of Channel:     | 40                          | (c.s.)  | $(\mathcal{S})$ |                |
| Antenna Type:          | PCB Antenna                 |   | U               |                |
| Antenna Gain:          | -2.36dBi                    |   |                 |                |
| Power Supply:          | DC 5V                       |   |                 |                |
| Test Voltage:          | DC 5V                       |   |                 |                |
| Sample Received Date:  | Dec. 27, 2021               | <ul> <li>Image: A start of the start of</li></ul> |                 | 6              |
| Sample tested Date:    | Dec. 27, 2021 to Jan. 10, 2 | 2022  |                 |                |



Page 5 of 35





| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 0       | 2402MHz   | 10      | 2422MHz   | 20      | 2442MHz   | 30      | 2462MHz   |
| 1       | 2404MHz   | 11      | 2424MHz   | 21      | 2444MHz   | 31      | 2464MHz   |
| 2       | 2406MHz   | 12      | 2426MHz   | 22      | 2446MHz   | 32      | 2466MHz   |
| 3       | 2408MHz   | 13      | 2428MHz   | 23      | 2448MHz   | 33      | 2468MHz   |
| 4       | 2410MHz   | 14      | 2430MHz   | 24      | 2450MHz   | 34      | 2470MHz   |
| 5       | 2412MHz   | 15      | 2432MHz   | 25      | 2452MHz   | 35      | 2472MHz   |
| 6       | 2414MHz   | 16      | 2434MHz   | 26      | 2454MHz   | 36      | 2474MHz   |
| 7       | 2416MHz   | 17      | 2436MHz   | 27      | 2456MHz   | 37      | 2476MHz   |
| 8       | 2418MHz   | 18      | 2438MHz   | 28      | 2458MHz   | 38      | 2478MHz   |
| 9       | 2420MHz   | 19      | 2440MHz   | 29      | 2460MHz   | 39      | 2480MHz   |

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:

| Channel                    | Frequency |  |
|----------------------------|-----------|--|
| The lowest channel (CH0)   | 2402MHz   |  |
| The middle channel (CH19)  | 2440MHz   |  |
| The highest channel (CH39) | 2480MHz   |  |
|                            |           |  |









## 5.3 Test Configuration

|   | EUT Test Software S                              | Settings: |  |                      |                       |                |
|---|--|-----------|--|----------------------|-----------------------|----------------|
| - | Software:  | 10-       | SE67T_Tes  | st_v161 (manufactu   | rer declare)          | 100            |
| 5 | EUT Power Grade:                                 | 3         | Class2 (Power level is built-in set parameters and cannot be changed and selected) |                      |                       |                |
|   | Use test software to s<br>transmitting of the EU |           | est frequency  | r, the middle freque | ncy and the highest f | requency keep  |
|   | Test Mode  | Modu      | ulation  | Rate                 | Channel               | Frequency(MHz) |
|   | Mode a   | GF        | SK   | 1Mbps                | СН0                   | 2402           |
|   | Mode b   | GF        | SK   | 1Mbps                | СН19                  | 2440           |
|   | Mode c   | GF        | SK   | 1Mbps                | CH39                  | 2480           |

## 5.4 Test Environment

| Operating Environm   | Operating Environment: |        |                |    |  |  |
|----------------------|------------------------|--------|----------------|----|--|--|
| Radiated Spurious E  | missions:              |        |                |    |  |  |
| Temperature:         | 22~25.0 °C             |        |                |    |  |  |
| Humidity:            | 50~55 % RH             | 67)    | $(\mathbf{c})$ |    |  |  |
| Atmospheric Pressure | e: 1010mbar            |        |                |    |  |  |
| RF Conducted:        |                        |        |                |    |  |  |
| Temperature:         | 22~25.0 °C             |        |                | 1  |  |  |
| Humidity:            | 50~55 % RH             | ්) (ද් | S) (3          | N) |  |  |
| Atmospheric Pressure | e: 1010mbar            |        |                | _  |  |  |

### 5.5 Description of Support Units

The EUT has been tested with associated equipment below.

| Description | Manufacturer | Model No.     | Certification | Supplied by |
|-------------|--------------|---------------|---------------|-------------|
| Netbook     | DELL         | Latitude 3490 | FCC&CE        | СТІ         |
|             |              |               |               |             |

### 5.6 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



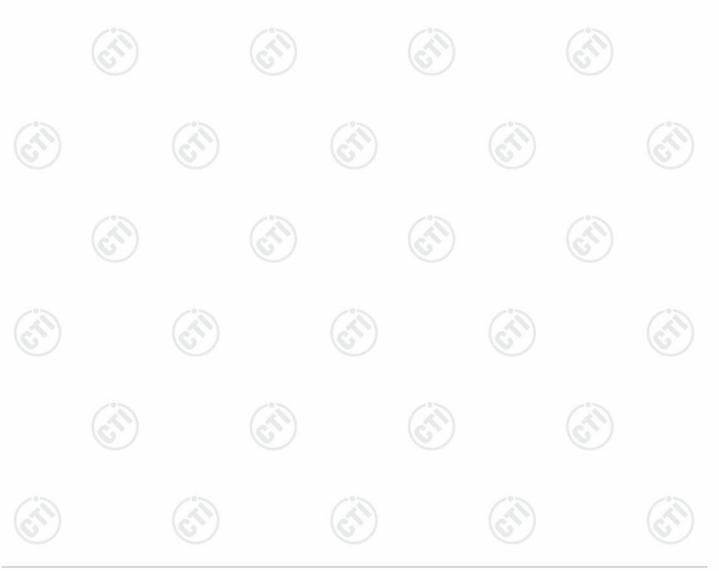






## 5.7 Measurement Uncertainty (95% confidence levels, k=2)

| No.           | Item                              | Measurement Uncertainty |
|---------------|-----------------------------------|-------------------------|
| 1             | Radio Frequency                   | 7.9 x 10 <sup>-8</sup>  |
| ~             |                                   | 0.46dB (30MHz-1GHz)     |
| 2             | RF power, conducted               | 0.55dB (1GHz-26.5 GHz)  |
|               |                                   | 3.3dB (9kHz-30MHz)      |
| 3 Radiated Sp | Dedicted Sourious optication test | 4.3dB (30MHz-1GHz)      |
|               | Radiated Spurious emission test   | 4.5dB (1GHz-18GHz)      |
| 0             |                                   | 3.4dB (18GHz-40GHz)     |
|               | Conduction emission               | 3.5dB (9kHz to 150kHz)  |
| 4 Conduction  | Conduction emission               | 3.1dB (150kHz to 30MHz) |
| 5             | Temperature test                  | 0.64°C                  |
| 6             | Humidity test                     | 3.8%                    |
| 7             | DC power voltages                 | 0.026%                  |





## 6 Equipment List

|   |                        | RF tes     | st system     |                           |                               |
|---|------------------------|------------|---------------|---------------------------|-------------------------------|
| Equipment                               | Manufacturer           | Mode No.   | Serial Number | Cal. Date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |
| Spectrum Analyzer                       | Keysight               | N9010A     | MY54510339    | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| Signal Generator                        | Keysight               | N5182B     | MY53051549    | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| Signal Generator                        | Agilent                | N5181A     | MY46240094    | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| DC Power                                | Keysight               | E3642A     | MY56376072    | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| Power unit                              | R&S                    | OSP120     | 101374        | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| RF control unit                         | JS Tonscend            | JS0806-2   | 158060006     | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| Communication<br>test set               | R&S                    | R&S CMW500 |               | 08-04-2021                | 08-03-2022                    |
| high-low<br>temperature test<br>chamber | Dong Guang<br>Qin Zhuo | LK-80GA    | QZ20150611879 | 12-28-2020<br>12-24-2021  | 12-27-2021<br>12-23-2022      |
| Temperature/                            | biaozhi                | HM10       | 1804186       | 06-23-2021                | 06-22-2022                    |
| BT&WI-FI<br>Automatic test<br>software  | JS Tonscend            | JS1120-3   | 2.6.77.0518   | (                         | <u>i</u>                      |























Page 10 of 35

|                                |              | 3M Semi/full-a       | nechoic Chamber |                           |                               |
|--------------------------------|--------------|----------------------|-----------------|---------------------------|-------------------------------|
| Equipment                      | Manufacturer | Model No.            | Serial Number   | Cal. date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |
| 3M Chamber &                   |              |                      |                 |                           | 0                             |
| Accessory                      | TDK          | SAC-3                |                 | 05/24/2019                | 05/23/2022                    |
| Equipment                      | 0            | 12                   | S               | (in)                      | 0                             |
| Receiver                       | R&S          | ESCI7                | 100938-003      | 10/14/2021                | 10/13/2022                    |
| TRILOG<br>Broadband<br>Antenna | schwarzbeck  | VULB 9163            | 9163-618        | 05/23/2019                | 05/22/2022                    |
| Multi device<br>Controller     | maturo       | NCD/070/1<br>0711112 | <u>S</u>        |                           | <u>.</u>                      |
| Horn Antenna                   | ETS-LINGREN  | BBHA<br>9120D        | 9120D-1869      | 04/15/2021                | 04/14/2024                    |
| pectrum Analyzer               | R&S          | FSP40                | 100416          | 04/29/2021                | 04/28/2022                    |
| Microwave<br>Preamplifier      | Agilent      | 8449B                | 3008A02425      | 06/23/2021                | 06/22/2022                    |

|                                |                  | 3M full-anechoi |                  | F                         |                               |
|--------------------------------|------------------|-----------------|------------------|---------------------------|-------------------------------|
| Equipment                      | Manufacturer     | Model No.       | Serial<br>Number | Cal. date<br>(mm-dd-yyyy) | Cal. Due date<br>(mm-dd-yyyy) |
| RSE Automatic test software    | JS Tonscend      | JS36-RSE        | 10166            | <u>E</u>                  | @                             |
| Receiver                       | Keysight         | N9038A          | MY57290136       | 03-04-2021                | 03-03-2022                    |
| Spectrum<br>Analyzer           | Keysight         | N9020B          | MY57111112       | 03-04-2021                | 03-03-2022                    |
| Spectrum<br>Analyzer           | Keysight         | N9030B          | MY57140871       | 03-04-2021                | 03-03-2022                    |
| 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-<br>LINDGREN | 3117            | 57407            | 07-04-2021                | 07-03-2024                    |
| Preamplifier                   | EMCI             | EMC184055SE     | 980597           | 05-20-2021                | 05-19-2022                    |
| Preamplifier                   | EMCI             | EMC001330       | 980563           | 04-15-2021                | 04-14-2022                    |
| Preamplifier                   | JS Tonscend      | 980380          | EMC051845<br>SE  | 12-31-2020<br>12-24-2021  | 12-30-2021<br>12-23-2022      |









Page 11 of 35

| Communication test set                | R&S     | CMW500                | 102898      | 12-31-2020<br>12-24-2021 | 12-30-2021<br>12-23-2022 |
|---------------------------------------|---------|-----------------------|-------------|--------------------------|--------------------------|
| Temperature/<br>Humidity<br>Indicator | biaozhi | GM1360                | EE1186631   | 04-16-2021               | 04-15-2022               |
| Fully Anechoic<br>Chamber             | ток     | FAC-3                 |             | 01-09-2021               | 01-08-2024               |
| Cable line                            | Times   | SFT205-NMSM-<br>2.50M | 394812-0001 | - (                      | - 05                     |
| Cable line                            | Times   | SFT205-NMSM-<br>2.50M | 394812-0002 |                          | <u> </u>                 |
| Cable line                            | Times   | SFT205-NMSM-<br>2.50M | 394812-0003 |                          | - 6                      |
| Cable line                            | Times   | SFT205-NMSM-<br>2.50M | 393495-0001 |                          |                          |
| Cable line                            | Times   | EMC104-NMNM-<br>1000  | SN160710    | (                        | <u>-</u>                 |
| Cable line                            | Times   | SFT205-NMSM-<br>3.00M | 394813-0001 |                          | -                        |
| Cable line                            | Times   | SFT205-NMNM-<br>1.50M | 381964-0001 | (A)                      | - 6                      |
| Cable line                            | Times   | SFT205-NMSM-<br>7.00M | 394815-0001 |                          |                          |
| Cable line                            | Times   | HF160-KMKM-<br>3.00M  | 393493-0001 | - (                      | <u>- (N</u>              |























### 7 Test results and Measurement Data

### 7.1 Antenna Requirement

### Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

#### 15.203 requirement:

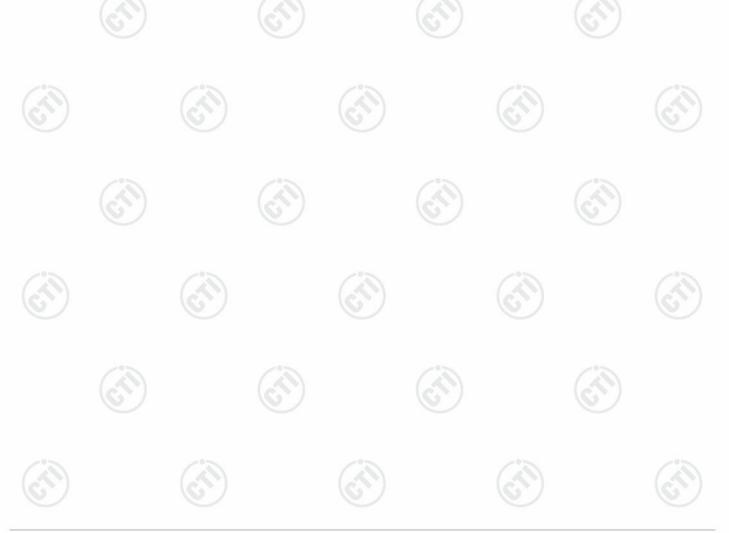
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

| EUT Antenna: | Please see Internal photos |  |  |  |  |
|--------------|----------------------------|--|--|--|--|
|              |                            |  |  |  |  |

The antenna is PCB Antenna. The best case gain of the antenna is -2.36 dBi .

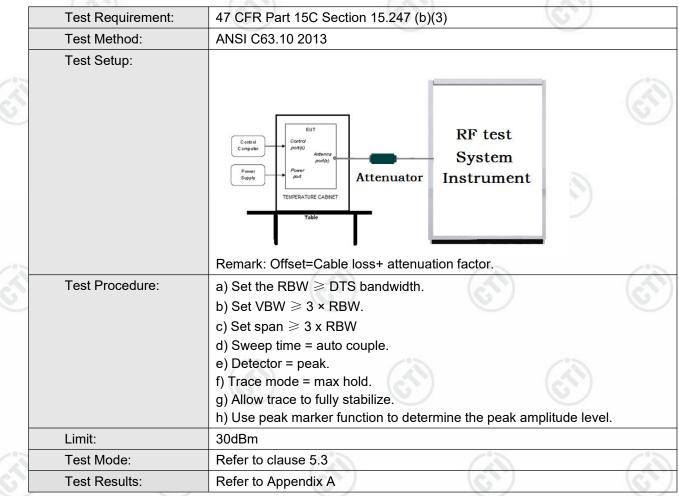






Page 13 of 35

### 7.2 Maximum Conducted Output Power



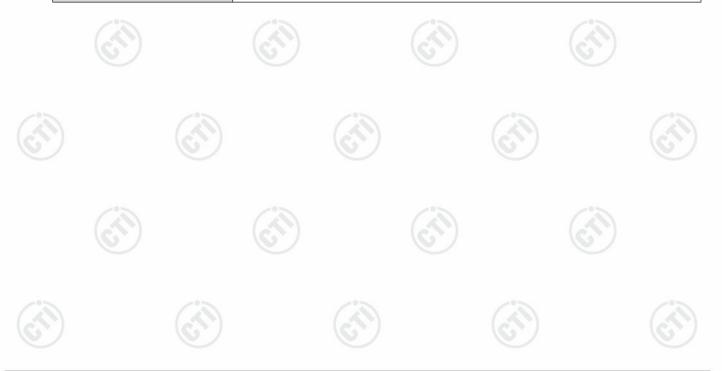






### 7.3 DTS Bandwidth

| Test Requirement: | 47 CFR Part 15C Section 15.247 (a)(2)  |
|-------------------|--|
| Test Method:      | ANSI C63.10 2013   |
| Test Setup:       |  |
|                   | Control<br>Computer<br>Pontey<br>Suppr<br>Found<br>TehnPERATURE CABNET<br>Table  |
|                   | Remark: Offset=Cable loss+ attenuation factor.   |
| Test Procedure:   | <ul> <li>a) Set RBW = 100 kHz.</li> <li>b) Set the VBW ≥[3 × RBW].</li> <li>c) Detector = peak.</li> <li>d) Trace mode = max hold.</li> <li>e) Sweep = auto couple.</li> <li>f) Allow the trace to stabilize.</li> <li>g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.</li> </ul> |
| Limit:            | ≥ 500 kHz  |
| Test Mode:        | Refer to clause 5.3  |
| Test Results:     | Refer to Appendix A  |



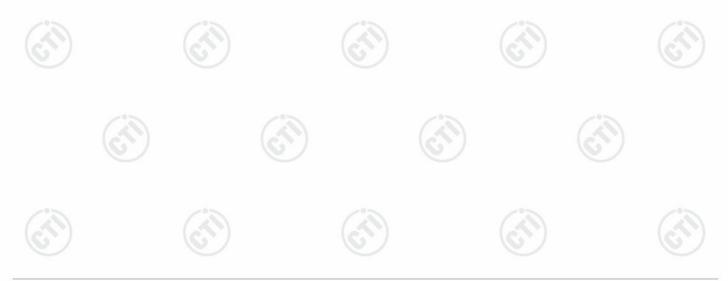




Page 15 of 35

### 7.4 Maximum Power Spectral Density

|   | Test Requirement: | 47 CFR Part 15C Section 15.247 (e)   |
|---|-------------------|--|
|   | Test Method:      | ANSI C63.10 2013   |
|   | Test Setup:       |  |
|   |                   | Control<br>Computer<br>Supply<br>Tumer<br>Supply<br>Table  |
| 2 | Test Procedure:   | Remark: Offset=Cable loss+ attenuation factor.         a) Set analyzer center frequency to DTS channel center frequency.         b) Set the span to 1.5 times the DTS bandwidth.   |
|   |                   | <ul> <li>c) Set the RBW to 3 kHz &lt; RBW &lt; 100 kHz.</li> <li>d) Set the VBW &gt; [3 × RBW].</li> <li>e) Detector = peak.</li> <li>f) Sweep time = auto couple.</li> <li>g) Trace mode = max hold.</li> <li>h) Allow trace to fully stabilize.</li> <li>i) Use the peak marker function to determine the maximum amplitude level within the RBW.</li> <li>j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.</li> </ul> |
|   | Limit:            | ≤8.00dBm/3kHz  |
|   | Test Mode:        | Refer to clause 5.3  |
|   | Test Results:     | Refer to Appendix A  |

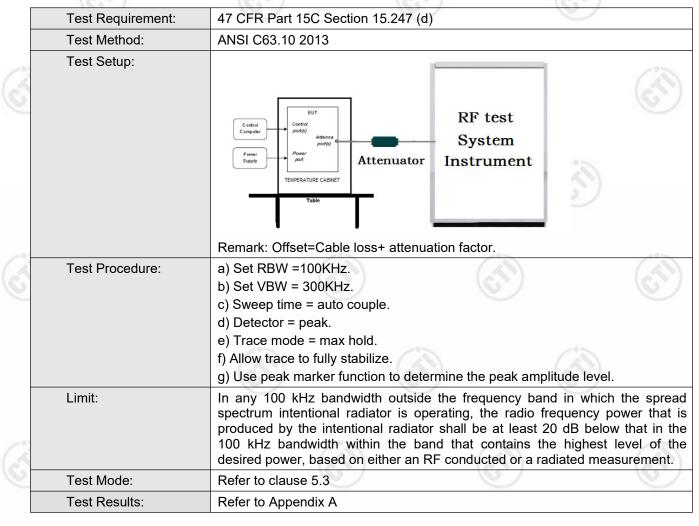






Page 16 of 35

### 7.5 Band Edge measurements and Conducted Spurious Emission











Page 17 of 35

### 7.6 Radiated Spurious Emission & Restricted bands

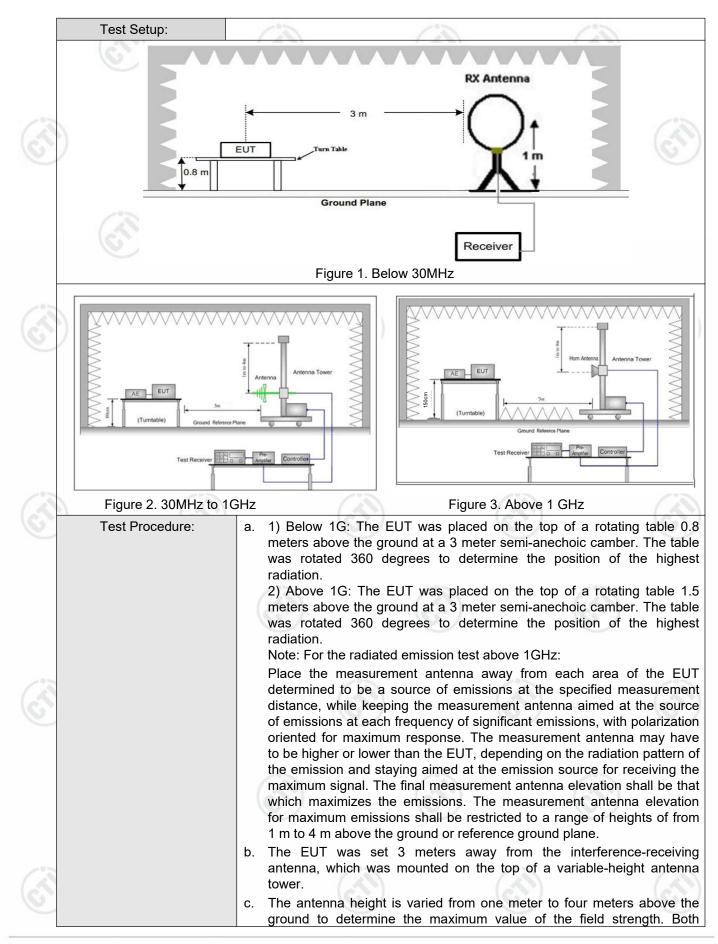
|     | Test Requirement: | 47 CFR Part 15C Section   | on 1        | 5.209 and 15                   | .205                   |    | C           |                           |
|-----|-------------------|---|-------------|--------------------------------|------------------------|----|-------------|---------------------------|
|     | Test Method:      | ANSI C63.10 2013  |             |                                |                        |    |             |                           |
|     | Test Site:        | Measurement Distance  | : 3m        | ı (Semi-Anecł                  | noic Cham              | be | r)          | - 51                      |
|     | Receiver Setup:   | Frequency   | 2           | Detector                       | RBW                    | 6  | VBW         | Remark                    |
| 9   |                   | 0.009MHz-0.090MH  | z           | Peak                           | 10kH:                  | z  | 30kHz       | Peak                      |
|     |                   | 0.009MHz-0.090MH  | z           | Average                        | 10kH:                  | z  | 30kHz       | Average                   |
|     |                   | 0.090MHz-0.110MH  | z           | Quasi-peak                     | 10kH                   | z  | 30kHz       | Quasi-peak                |
|     |                   | 0.110MHz-0.490MH  | z           | Peak                           | 10kH:                  | z  | 30kHz       | Peak                      |
|     |                   | 0.110MHz-0.490MH  | z           | Average                        | 10kH:                  | z  | 30kHz       | Average                   |
|     |                   | 0.490MHz -30MHz   |             | Quasi-peak                     | 10kHz                  | z  | 30kHz       | Quasi-peak                |
|     |                   | 30MHz-1GHz  |             | Quasi-peak                     | 100 kH                 | łz | 300kHz      | Quasi-peak                |
| 23  |                   |   |             | Peak                           | 1MHz                   | z  | 3MHz        | Peak                      |
| S I |                   | Above 1GHz  | 2)          | Peak                           | 1MHz                   | 2  | 10kHz       | Average                   |
|     | Limit:            | Frequency   |             | eld strength<br>crovolt/meter) | Limit<br>(dBuV/m)      |    | Remark      | Measuremer<br>distance (m |
|     |                   | 0.009MHz-0.490MHz   | 24          | 400/F(kHz)                     | -                      |    | - 12        | 300                       |
|     |                   | 0.490MHz-1.705MHz   | 24          | 000/F(kHz)                     | -                      |    | - 3         | 30                        |
|     |                   | 1.705MHz-30MHz  |             | 30                             | -                      |    | <u> </u>    | 30                        |
|     |                   | 30MHz-88MHz   |             | 100                            | 40.0                   | G  | uasi-peak   | 3                         |
|     |                   | 88MHz-216MHz  |             | 150                            | 43.5                   | G  | uasi-peak   | 3                         |
|     |                   | 216MHz-960MHz   | 6           | 200                            | 46.0                   | G  | uasi-peak   | 3                         |
| S.  |                   | 960MHz-1GHz   | 1           | 500                            | 54.0                   | G  | uasi-peak   | 3                         |
|     |                   | Above 1GHz  |             | 500                            | 54.0                   |    | Average     | 3                         |
|     |                   | Note: 15.35(b),<br>frequency emissions is<br>limit applicable to the e<br>peak emission level rac | 20d<br>quip | IB above the<br>ment under t   | maximum<br>est. This p | ре | rmitted ave | erage emission            |



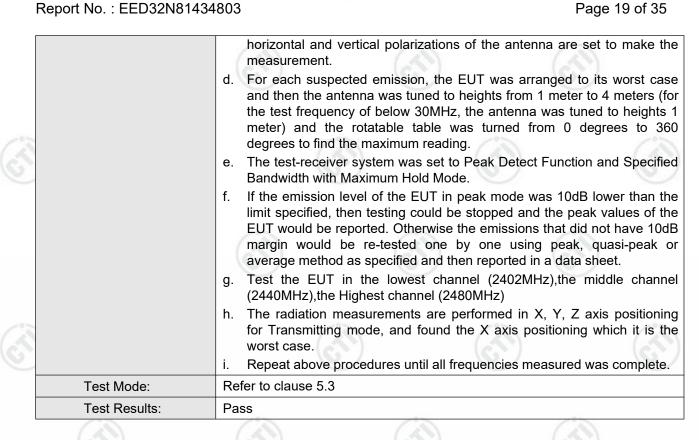




### Page 18 of 35



【华测检测



















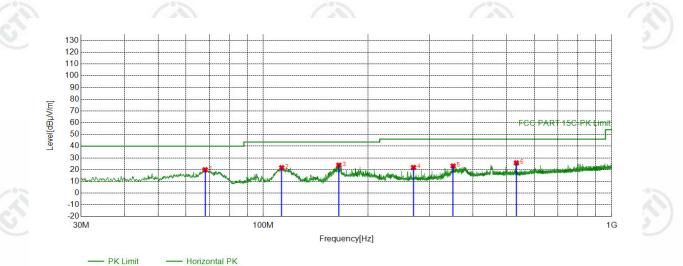
Page 20 of 35

#### Report No. : EED32N81434803

### **Radiated Spurious Emission below 1GHz:**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case highest channel of GFSK was recorded in the report.

### **Test Graph**



#### QP Detector AV Detector \*

|            |                  |              |                |                   |                   |                   |                  | ted List             | Suspec |
|------------|------------------|--------------|----------------|-------------------|-------------------|-------------------|------------------|----------------------|--------|
| ity Remark | Polarity         | Result       | Margin<br>[dB] | Limit<br>[dBµV/m] | Level<br>[dBµV/m] | Reading<br>[dBµV] | Factor<br>[dB]   | Freq.<br>[MHz]       | NO     |
| ntal PK    | Horizontal       | PASS         | 20.08          | 40.00             | 19.92             | 40.29             | -20.37           | 68.1248              | 1      |
| ntal PK    | Horizontal       | PASS         | 21.86          | 43.50             | 21.64             | 40.54             | -18.90           | 113.0403             | 2      |
| ntal PK    | Horizontal       | PASS         | 19.64          | 43.50             | 23.86             | 44.67             | -20.81           | 164.9405             | 3      |
| ntal PK    | Horizontal       | PASS         | 24.16          | 46.00             | 21.84             | 37.99             | -16.15           | 270.0020             | 4      |
| ntal PK    | Horizontal       | PASS         | 22.90          | 46.00             | 23.10             | 37.15             | -14.05           | 350.8111             | 5      |
| ntal PK    | Horizontal       | PASS         | 20.29          | 46.00             | 25.71             | 35.89             | -10.18           | 533.0923             | 6      |
|            | Horizo<br>Horizo | PASS<br>PASS | 24.16<br>22.90 | 46.00<br>46.00    | 21.84<br>23.10    | 37.99<br>37.15    | -16.15<br>-14.05 | 270.0020<br>350.8111 | 4<br>5 |











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