

**EN 62479 Test Report**  
**for**  
**Eve Water Guard**  
**Model No.: 20EBG8701**

of

Applicant: **Eve Systems GmbH**  
Address: **Rotkreuzplatz 1 80634 München Germany**

Tested and Prepared

by

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: TW1477, TW0020, TW1072**

**Industry Canada filed test laboratory Reg. No.: 20037**

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21906-19111-62479**

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: [wtst@wtst-lab.com](mailto:wtst@wtst-lab.com)

## Certification of Assessment Report

Applicant : Eve Systems GmbH  
Rotkreuzplatz 1 80634 München Germany

Manufacturer : Eve Systems GmbH  
Rotkreuzplatz 1 80634 München Germany

Tested Equipment :  
Type Description : Eve Water Guard  
Model Number : 20EBG8701  
Multi-listing Model Number: ./.  
Brand Name : Eve  
Operation Frequency : 2.402–2.480 GHz  
RF Output Power : 2.86 dBm (e.i.r.p.)  
Antenna type and gain : PIFA Antenna / 2.9 dBi  
Power Supply : 230 Va.c.

Regulation Applied : EN62479 (2010)

Test Method : EN62479 (2010)

I HEREBY CERTIFY THAT: The test results written in this report were derived conscientiously in accordance with the requirements and procedures of EN 62479 (2010), and it was found that the device described above is in compliance with the applicable limits specified in EN 62479 (2010).

### Note:

This test report shall always be duplicated in full pages unless the written approval of the testing laboratory is obtained.

### Test Engineer:

September 02, 2019

Rick Chen

*Rick Chen.*

| Date | WTS-Lab. | Name | Signature |
|------|----------|------|-----------|
|------|----------|------|-----------|

### Technical responsibility for area of testing:

September 02, 2019

Kevin Wang

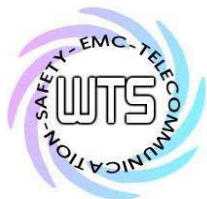
*Kevin Wang*

| Date | WTS | Name | Signature |
|------|-----|------|-----------|
|------|-----|------|-----------|



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## **1. Summary**

### **1.1 Description of tested equipment**

The equipment, 20EBG8701, is an Eve Water Guard with BT4.0 function. The operation frequency is 2.402-2.480 GHz.

The specifications of the test sample are listed below:

|                              |                     |
|------------------------------|---------------------|
| Transmitter Frequency Range: | 2402-2480 MHz       |
| Rated maximum Output Power:  | 2.86 dBm (e.i.r.p.) |
| Antenna Type:                | PIFA Antenna        |
| Antenna Gain:                | 2.9 dBi             |
| Power supply:                | 230 V.a.c.          |

### **1.2 Date of testing processing**

|                       |                                         |
|-----------------------|-----------------------------------------|
| Test sample received: | August 08, 2019                         |
| Test finished:        | from August 08, 2019 to August 28, 2019 |
| Other Information:    | None                                    |

### **1.3 Modification Information**

No modification was made during the all test items been performed.

### **1.4 Test standards**

|                               |                |
|-------------------------------|----------------|
| Technical standard:           | EN62479 (2010) |
| Deviation from test standard: | None           |
| Additional information:       | None           |

## 1.5 Test requirement

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 [Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)]

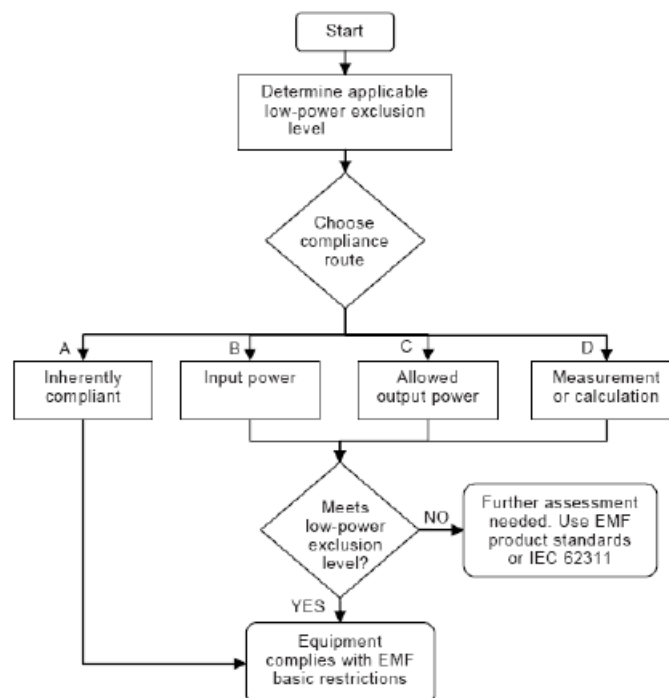
Four routes, as illustrated in Figure 1 and described as follows, can be used to demonstrate compliance with this standard:

A Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

B The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level ( $P_{max}$ )

C The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level ( $P_{max}$ )

D Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level ( $P_{max}$ )



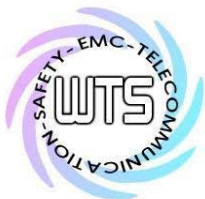
**Figure 1 – Routes to show compliance with low-power exclusion level**

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Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level  $P_{max}$ .

$P_{max}$  derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines, IEEE Std C95.1-1999, and IEEE Std C95.1-2005.

| Guideline / Standard                                                                         | SAR limit, $SAR_{max}$<br>W/kg | Averaging mass, $m$<br>g | $P_{max}$<br>mW | Exposure tier <sup>a</sup> | Region of body <sup>a</sup>        |
|----------------------------------------------------------------------------------------------|--------------------------------|--------------------------|-----------------|----------------------------|------------------------------------|
| ICNIRP [1]                                                                                   | 2                              | 10                       | 20              | General public             | Head and trunk                     |
|                                                                                              | 4                              | 10                       | 40              | General public             | Limbs                              |
|                                                                                              | 10                             | 10                       | 100             | Occupational               | Head and trunk                     |
|                                                                                              | 20                             | 10                       | 200             | Occupational               | Limbs                              |
| IEEE Std C95.1-1999 [2]                                                                      | 1.6                            | 1                        | 1.6             | Uncontrolled environment   | Head, trunk, arms, legs            |
|                                                                                              | 4                              | 10                       | 40              | Uncontrolled environment   | Hands, wrists, feet and ankles     |
|                                                                                              | 8                              | 1                        | 8               | Controlled environment     | Head, trunk, arms, legs            |
|                                                                                              | 20                             | 10                       | 200             | Controlled environment     | Hands, wrists, feet and ankles     |
| IEEE Std C95.1-2005 [3]                                                                      | 2                              | 10                       | 20              | Action level               | Body except extremities and pinnae |
|                                                                                              | 4                              | 10                       | 40              | Action level               | Extremities and pinnae             |
|                                                                                              | 10                             | 10                       | 100             | Controlled environment     | Body except extremities and pinnae |
|                                                                                              | 20                             | 10                       | 200             | Controlled environment     | Extremities and pinnae             |
| <sup>a</sup> Consult the appropriate standard for more information and definitions of terms. |                                |                          |                 |                            |                                    |



## **2. General Information**

### **2.1 Testing laboratory**

#### **2.1.1 Location**

OATS

No.5-1, Lishui, Shuang Sing Village,  
Wanli Dist., New Taipei City 207,  
Taiwan (R.O.C.)

3 meter semi-anechoic chamber

No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

TEL:886-2-6613-0228

FAX:886-2-2791-5046

Company

Worldwide Testing Services (Taiwan) Co., Ltd.

6F, NO. 58, LANE 188, RUEY-KUANG RD.

NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : 886-2-66068877

Fax : 886-2-66068879

#### **2.1.2 Details of accreditation status**

Accredited testing laboratory

A2LA-registration number: 2732.01

FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No. 20037

#### **2.1.3 Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.**

|                    |   |     |
|--------------------|---|-----|
| Name               | : | ./. |
| Accredited number: |   | ./. |
| Street             | : | ./. |
| Town               | : | ./. |
| Country            | : | ./. |
| Telephone          | : | ./. |
| Fax                | : | ./. |



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## **2.2 Details of approval holder**

Name: Eve Systems GmbH  
Street: Rotkreuzplatz 1 80634  
Town: München  
Country: Germany  
Telephone: ./.  
Fax: ./.

### **Manufacturer: (if applicable)**

Name: ./.  
Street: ./.  
Town: ./.  
Country: ./.

## **2.3 Description of Tested System**

The EUT was tested without the Accessories or Peripherals.

## **2.4 Selection of test Samples and frequencies**

The operation frequency range is 2.402-2.480 GHz.

## **2.5 Test environment**

Temperature: 23 °C  
Relative humidity content: 65 %  
Air pressure: 86-103 Kpa

| Test environment temperature (°C) |         | Supply Voltage (VAC) |         |
|-----------------------------------|---------|----------------------|---------|
| Normal                            | Extreme | Normal               | Extreme |
| 25                                | -20     | 230                  | --      |
|                                   | +55     |                      | --      |

Note: Except for specified in the individual test item, all tests were performed under normal test conditions.



## 2.6 Test Equipment List

| No.          | Test equipment                                                      | Type             | Serial No.     | Manufacturer    | Cal. Date     | Next Cal. Date |
|--------------|---------------------------------------------------------------------|------------------|----------------|-----------------|---------------|----------------|
| ETSTW-CE 001 | EMI TEST RECEIVER                                                   | ESHS10           | 842121/013     | R&S             | 2019/6/4      | 2020/6/3       |
| ETSTW-CE 003 | AC POWER SOURCE                                                     | APS-9102         | D161137        | GW              | Function Test |                |
| ETSTW-CE 004 | ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK                     | ESH3-Z5          | 840731/011     | R&S             | 2018/11/1     | 2019/10/31     |
| ETSTW-CE 005 | Line-Impedance Stabilisation Network                                | NNBM 8126D       | 137            | Schwarzbeck     | 2019/3/28     | 2020/3/27      |
| ETSTW-CE 006 | IMPULSBEGRENZER PULSE LIMITER                                       | ESH3-Z2          | 100226         | R&S             | 2019/8/16     | 2020/8/15      |
| ETSTW-CE 008 | HF-EICHELITUNG RF STEP ATTENUATOR 139dB DPSP                        | 334.6010.02      | 844581/024     | R&S             | Function Test |                |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER                                              | GTH-225-40-1P-U  | MAA0305-009    | GIANT FORCE     | 2019/7/23     | 2020/7/22      |
| ETSTW-CE 013 | CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK | FCC-TLISN-T4-02  | 20242          | FCC             | 2018/9/5      | 2019/9/4       |
| ETSTW-CE 016 | TWO-LINE V-NETWORK                                                  | ENV216           | 100050         | R&S             | 2018/9/25     | 2019/9/24      |
| ETSTW-CE 024 | IMPEDANCE STABILIZATION NETWORK                                     | ISN T800         | 29454          | TESEQ           | 2019/7/3      | 2020/7/2       |
| ETSTW-CE 027 | COUPLING AND DECOUPLING NETWORK                                     | CDN ST08AS       | 38087          | TESEQ           | Function Test |                |
| ETSTW-CE 028 | MXE EMI Receiver                                                    | N9038A           | MY53220110     | Agilent         | 2019/7/18     | 2020/7/17      |
| ETSTW-CE 030 | CISPR Passive probe                                                 | PMM SHC-1-1000   | 1021X30803     | Narda S.T.S/PMM | 2019/3/11     | 2020/3/10      |
| ETSTW-CS 004 | COUPLING AND DECOUPLING NETWORK                                     | CDN M016         | 20053          | SCHAFFNER       | 2019/8/7      | 2020/8/6       |
| ETSTW-CS 005 | RF Power Amplifier                                                  | 100A250A         | 306547         | AR              | Function Test |                |
| ETSTW-CS 010 | 6 dB Attenuator                                                     | SA3N1007-06      | None           | AISI            | Function test |                |
| ETSTW-CS 011 | ESG Analog Signal Generator                                         | E4428C           | MY45280875     | AGILENT         | 2019/7/23     | 2020/7/22      |
| ETSTW-RE 003 | EMI TEST RECEIVER                                                   | ESI 26           | 831438/001     | R&S             | 2019/6/4      | 2020/6/3       |
| ETSTW-RE 004 | EMI TEST RECEIVER                                                   | ESI 40           | 832427/004     | R&S             | 2019/5/29     | 2020/5/28      |
| ETSTW-RE 010 | ABSORBING CLAMP                                                     | MDS 21           | 03469          | Schwarzbeck     | 2018/9/17     | 2019/9/16      |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER                                           | D.C 0309         | 146            | K&L             | Function Test |                |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER                                           | D.C 0336         | 397            | K&L             | Function Test |                |
| ETSTW-RE 019 | MICROWAVE HORN ANTENNA                                              | 22240-25         | 121074         | FM              | 2019/5/3      | 2020/5/2       |
| ETSTW-RE 020 | MICROWAVE HORN ANTENNA                                              | AT4002A          | 306915         | AR              | Function Test |                |
| ETSTW-RE 027 | Passive Loop Antenna                                                | 6512             | 00034563       | ETS-Lindgren    | 2019/7/22     | 2020/7/21      |
| ETSTW-RE 028 | Log-Periodic Dipole Array Antenna                                   | 3148             | 34429          | ETS-Lindgren    | Function Test |                |
| ETSTW-RE 029 | Biconical Antenna                                                   | 3109             | 33524          | ETS-Lindgren    | Function Test |                |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna                                    | 3117             | 00035224       | ETS-Lindgren    | 2019/4/2      | 2020/4/1       |
| ETSTW-RE 032 | Millivoltmeter                                                      | URV 55           | 849086/013     | R&S             | 2018/9/18     | 2019/9/17      |
| ETSTW-RE 033 | WaveRunner 6000A Serise Oscilloscope                                | WAVERUNNER 6100A | LCRY0604P14508 | LeCroy          | 2019/7/30     | 2020/7/29      |
| ETSTW-RE 034 | Power Sensor                                                        | URV5-Z4          | 839313/006     | R&S             | 2018/9/18     | 2019/9/17      |
| ETSTW-RE 042 | Biconical Antenna                                                   | HK116            | 100172         | R&S             | 2019/1/29     | 2020/1/28      |
| ETSTW-RE 043 | Log-Periodic Dipole Antenna                                         | HL223            | 100166         | R&S             | 2019/4/23     | 2020/4/22      |
| ETSTW-RE 044 | Log-Periodic Antenna                                                | HL050            | 100094         | R&S             | 2019/5/13     | 2020/5/12      |



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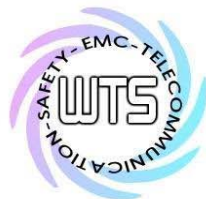
|              |                                  |                        |               |                    |               |            |
|--------------|----------------------------------|------------------------|---------------|--------------------|---------------|------------|
| ETSTW-RE 045 | ESA-E SERIES SPECTRUM ANALYZER   | E4404B                 | MY45111242    | Agilent            | Pre-test Use  |            |
| ETSTW-RE 048 | Triple Loop Antenna              | HXYZ 9170              | HXYZ 9170-134 | Schwarzbeck        | 2018/12/13    | 2019/12/12 |
| ETSTW-RE 050 | Attenuator 10dB                  | 50HF-010-1             | None          | JFW                | 2019/2/27     | 2020/2/26  |
| ETSTW-RE 051 | Attenuator 6dB                   | 50HF-006-1             | None          | JFW                | 2019/2/27     | 2020/2/26  |
| ETSTW-RE 053 | Attenuator 3dB                   | 50HF-003-1             | None          | JFW                | 2019/2/27     | 2020/2/26  |
| ETSTW-RE 055 | SPECTRUM ANALYZER                | FSU 26                 | 200074        | R&S                | 2019/3/5      | 2020/3/4   |
| ETSTW-RE 060 | Attenuator 30dB                  | 5015-30                | F651012z-01   | ATM                | 2019/2/27     | 2020/2/26  |
| ETSTW-RE 061 | Amplifier Module                 | CHC 1                  | None          | ETS                | 2019/5/10     | 2020/5/9   |
| ETSTW-RE 062 | Amplifier Module                 | CHC 2                  | None          | KMIC               | 2019/5/16     | 2020/5/15  |
| ETSTW-RE 064 | Bluetooth Test Set               | MT8852B-042            | 6K00005709    | Anritsu            | Function Test |            |
| ETSTW-RE 065 | Amplifier                        | AMF-6F-18002650-25-10P | 941608        | MITEQ              | 2019/3/29     | 2020/3/28  |
| ETSTW-RE 069 | Double-Ridged Guide Horn Antenna | 3117                   | 00069377      | ETS-Lindgren       | Function Test |            |
| ETSTW-RE 072 | CELL SITE TEST SET               | 8921A                  | 3339A00375    | HP                 | 2018/9/17     | 2019/9/16  |
| ETSTW-RE 073 | Power Meter                      | N1911A                 | MY45100769    | Agilent            | 2019/1/24     | 2020/1/23  |
| ETSTW-RE 074 | Power Sensor                     | N1921A                 | MY45241198    | Agilent            | 2019/1/24     | 2020/1/23  |
| ETSTW-RE 091 | Match Pad                        | MDCS1500               | None          | WOKEN              | 2019/5/9      | 2020/5/8   |
| ETSTW-RE 099 | DC Block                         | 50DB-007-1             | None          | JFW                | 2019/2/22     | 2020/2/21  |
| ETSTW-RE 112 | AC POWER SOURCE                  | TFC-1005               | T-0A023536    | T-Power            | Function test |            |
| ETSTW-RE 105 | 2.4GHz Notch Filter              | N0124411               | 39555         | MICROWAVE CIRCUITS | 2019/1/14     | 2020/1/13  |
| ETSTW-RE 120 | RF Player                        | MP9200                 | MP9210-111022 | ADIVIC             | Function test |            |
| ETSTW-RE 122 | SIGNAL GENERATOR                 | SMF100A                | 102149        | R&S                | 2019/6/3      | 2020/6/2   |
| ETSTW-RE 125 | 5GHz Notch filter                | 5NSL11-5200/E221.3-O/O | 1             | K&L Microwave      | 2019/8/7      | 2020/8/6   |
| ETSTW-RE 126 | 5GHz Notch filter                | 5NSL12-5800/E221.3-O/O | 1             | K&L Microwave      | 2019/8/7      | 2020/8/6   |
| ETSTW-RE 127 | RF Switch Box                    | RFS-01                 | None          | WTS                | 2019/2/26     | 2020/2/25  |
| ETSTW-RE 128 | 5.3GHz Notch filter              | N0153001               | SN487233      | Microwave Circuits | 2019/8/7      | 2020/8/6   |
| ETSTW-RE 129 | 5.5GHz Notch filter              | N0555984               | SN487234      | Microwave Circuits | 2019/8/7      | 2020/8/6   |
| ETSTW-RE 130 | Handheld RF Spectrum Analyzer    | N9340A                 | CN0147000204  | Agilent            | Pre-test Use  |            |
| ETSTW-RE 132 | Humidity Temperature Meter       | TES-1260               | 130407634     | TES                | 2019/8/16     | 2020/8/15  |
| ETSTW-RE 133 | EXA Signal Analyzer              | N9010A                 | MY53470566    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 134 | MXG Vector Signal Generator      | N5182B                 | MY53050664    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 135 | EXG Analog Signal Generator      | N5171B                 | MY53050476    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 136 | USB Wideband Power Sensor        | U2021XA                | MY54070006    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 137 | USB Wideband Power Sensor        | U2021XA                | MY54020004    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 138 | USB Wideband Power Sensor        | U2021XA                | MY54110003    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 139 | USB Wideband Power Sensor        | U2021XA                | MY54110004    | Agilent            | 2019/4/30     | 2020/4/29  |
| ETSTW-RE 140 | Simultaneous sampling DAQ        | U2531A                 | TW56143501    | Agilent            | Function Test |            |
| ETSTW-RE 142 | Amplifier                        | 8447D                  | 2805A03378    | Agilent            | 2019/5/16     | 2020/5/15  |
| ETSTW-RE 146 | Preamplifier                     | JPA-10M1G              | 15090004      | JPT                | 2019/6/6      | 2020/6/5   |



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|               |                                      |                                        |             |             |               |            |
|---------------|--------------------------------------|----------------------------------------|-------------|-------------|---------------|------------|
| ETSTW-RE 147  | Bi-log Hybrid Antenna                | MCTD 2786B                             | BLB16M04005 | ETC         | 2019/4/2      | 2020/4/1   |
| ETSTW-RE 148  | Bi-log Hybrid Antenna                | MCTD 2786B                             | BLB16M04006 | ETC         | 2019/6/19     | 2020/6/18  |
| ETSTW-RE 150  | Blocking Test System                 | AD211                                  | TW5451133   | Keysight    | Function Test |            |
| ETSTW-RE 151  | Thermohygrometer                     | 608-h1                                 | 45104376    | TESTO       | 2019/8/16     | 2020/8/15  |
| ETSTW-EMI 001 | HARMONICS 1000                       | HAR1000-1P                             | 093         | EMC-PARTNER | 2019/2/22     | 2020/2/21  |
| ETSTW-EMI 010 | AC Power Source                      | PS3                                    | 0219        | EMC PARTNER | 2019/2/22     | 2020/2/21  |
| ETSTW-EMI 011 | USB Compact Modulator                | SFC-U                                  | 101689      | R&S         | 2019/5/16     | 2020/5/15  |
| ETSTW-EMS 001 | BASELSTRASSE 160 CH-4242 LAUFEN      | CN-EFT1000                             | 354         | EMC-PARTNER | Function Test |            |
| ETSTW-EMS 002 | Frequency Converter                  | YF-6020                                | 0308014     | None        | Function Test |            |
| ETSTW-EMS 003 | EMC Immunity Test System             | TRA2000IN6                             | 579         | EMC-PARTNER | 2018/9/4      | 2019/9/3   |
| ETSTW-EMS 009 | Magnetic Field Antenna               | MF1000-1                               | 104         | EMC-PARTNER | Function Test |            |
| ETSTW-EMS 010 | Coupling De-coupling Network         | CDN-UTP8                               | 014         | EMC-PARTNER | Function Test |            |
| ETSTW-EMS 012 | EM Injection Clamp                   | F-2031-23MM                            | 476         | FCC         | 2019/7/2      | 2020/7/1   |
| ETSTW-EMS 016 | EMF Tester                           | 1390                                   | 071208732   | TES         | 2018/9/4      | 2019/9/3   |
| ETSTW-EMS 017 | Multimeter                           | DM-1220                                | 518614      | HILA        | 2019/8/16     | 2020/8/15  |
| ETSTW-EMS 019 | Electrostatic Discharge Simulator    | ESS-2002                               | ESS06Y6300  | NoiseKen    | 2018/9/12     | 2019/9/11  |
| ETSTW-EMS 022 | Transient Test System                | TRANSIENT -3000 S                      | 1303        | EMC-PARTNER | 2018/9/3      | 2019/9/2   |
| ETSTW-EMS 023 | Electrostatic Discharge Simulator    | NSG 435                                | 6984        | TESEQ       | 2019/6/19     | 2020/6/18  |
| ETSTW-EMS 024 | Humidity Temperature Meter           | TES-1260                               | 160304437   | TES         | 2019/8/16     | 2020/8/15  |
| ETSTW-EMS 025 | 10/700 Surge Generator               | SG-728G                                | EC0631106   | 3Ctest      | 2018/9/3      | 2019/9/2   |
| ETSTW-RS 003  | RF Power Amplifier                   | 30S1G3                                 | 306933      | AR          | Function Test |            |
| ETSTW-RS 007  | 14" COLOR VIDEO MONITOR              | HS-CM145A                              | 0512011548  | None        | Function Test |            |
| ETSTW-RS 009  | SIGNAL GENERATOR                     | 8648C                                  | 3642U01656  | HP          | 2019/1/24     | 2020/1/23  |
| ETSTW-RS 010  | Broadband Field Meter                | NBM-520                                | C-0195      | Narda       | 2019/5/10     | 2020/5/9   |
| ETSTW-RS 011  | RF Power Amplifier                   | 150W1000                               | 0464490     | AR          | Function Test |            |
| ETSTW-RS 012  | Log-Periodic Antenna                 | ATL80M1G                               | 0348244     | AR          | Function Test |            |
| ETSTW-RS 013  | Stacked Log Periodic Antenna         | STLP9149                               | 473         | RS          | Function Test |            |
| ETSTW-RS 014  | Power Amplifier                      | AS0860B                                | 1078553     | MILMEGA     | Function Test |            |
| ETSTW-RS 015  | SIGNAL GENERATOR                     | ITS6006B                               | 37669       | TESEQ       | 2019/3/26     | 2020/3/25  |
| ETSTW-RS 016  | Power sensor                         | PMR6006                                | 75617       | TESEQ       | 2019/3/26     | 2020/3/25  |
| ETSTW-RS 017  | Power sensor                         | PMR6006                                | 75618       | TESEQ       | 2019/3/26     | 2020/3/25  |
| ETSTW-GSM 002 | Universal Radio Communication Tester | CMU 200                                | 109439      | R&S         | 2019/3/5      | 2020/3/4   |
| ETSTW-GSM 003 | Radio Communication Analyzer         | MT8820C                                | 6201342073  | Anritsu     | 2019/3/26     | 2020/3/25  |
| ETSTW-GSM 004 | Wideband Radio Communication Tester  | CMW500                                 | 128092      | R&S         | 2018/10/19    | 2019/10/18 |
| ETSTW-GSM 019 | Band Reject Filter                   | WRCTF824/849-822/851-40 /12+9SS        | 3           | WI          | 2019/1/14     | 2020/1/13  |
| ETSTW-GSM 020 | Band Reject Filter                   | WRCD1747/1748-1743/1752-32/5SS         | 1           | WI          | 2019/1/14     | 2020/1/13  |
| ETSTW-GSM 021 | Band Reject Filter                   | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3           | WI          | 2019/1/14     | 2020/1/13  |



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|                 |                              |                               |                 |                  |                                             |           |
|-----------------|------------------------------|-------------------------------|-----------------|------------------|---------------------------------------------|-----------|
| ETSTW-GSM 022   | Band Reject Filter           | WRCT901.9/903.1-904.25-50/8SS | 1               | WI               | 2019/1/14                                   | 2020/1/13 |
| ETSTW-GSM 023   | Power Divider                | 4901.19.A                     | None            | SUHNER           | 2018/9/12                                   | 2019/9/11 |
| ETSTW-GSM 024   | Radio Communication Analyzer | MT8821C                       | None            | Anritsu          | 2019/3/5                                    | 2020/3/4  |
| ETSTW-Cable 002 | Microwave Cable              | SUCOFLEX 104 (S_Cable 7)      | 238093          | HUBER+SUHNER     | 2019/5/10                                   | 2020/5/9  |
| ETSTW-Cable 003 | Microwave Cable              | SUCOFLEX 104 (S_Cable 11)     | 209953          | HUBER+SUHNER     | 2019/5/10                                   | 2020/5/9  |
| ETSTW-Cable 063 | N type Cable (5m)            | RG214/U                       | 1249271         | HUBER+SUHNER     | Function Test                               |           |
| ETSTW-Cable 016 | BNC Cable                    | Switch Box                    | B Cable 1       | Schwarz beck     | 2019/2/21                                   | 2020/2/20 |
| ETSTW-Cable 017 | BNC Cable                    | X Cable                       | B Cable 2       | Schwarz beck     | 2019/2/21                                   | 2020/2/20 |
| ETSTW-Cable 018 | BNC Cable                    | Y Cable                       | B Cable 3       | Schwarz beck     | 2019/2/21                                   | 2020/2/20 |
| ETSTW-Cable 019 | BNC Cable                    | Z Cable                       | B Cable 4       | Schwarz beck     | 2019/2/21                                   | 2020/2/20 |
| ETSTW-Cable 020 | N TYPE Cable                 | OATS Cable 1                  | N30N30-L335-15M | JYE BAO CO.,LTD. | 2019/7/1                                    | 2020/6/30 |
| ETSTW-Cable 023 | BNC Cable                    | BNC Cable 3                   | None            | JYE BAO CO.,LTD. | Function Test                               |           |
| ETSTW-Cable 024 | BNC Cable                    | BNC Cable 4                   | None            | JYE BAO CO.,LTD. | Function Test                               |           |
| ETSTW-Cable 025 | BNC Cable                    | BNC Cable 5                   | None            | JYE BAO CO.,LTD. | Function Test                               |           |
| ETSTW-Cable 026 | Microwave Cable              | SUCOFLEX 104                  | 279075          | HUBER+SUHNER     | 2019/2/25                                   | 2020/2/24 |
| ETSTW-Cable 027 | Microwave Cable              | SUCOFLEX 104                  | 279083          | HUBER+SUHNER     | 2019/5/10                                   | 2020/5/9  |
| ETSTW-Cable 030 | Microwave Cable              | SUCOFLEX 104 (S_Cable 9)      | 279067          | HUBER+SUHNER     | 2019/2/25                                   | 2020/2/24 |
| ETSTW-Cable 039 | Microwave Cable              | SUCOFLEX 104                  | 316739          | HUBER+SUHNER     | 2019/5/10                                   | 2020/5/9  |
| ETSTW-Cable 042 | Microwave Cable              | SUCOFLEX 104 (S_Cable 22)     | 279847          | HUBER+SUHNER     | Function Test                               |           |
| ETSTW-Cable 043 | Microwave Cable              | SUCOFLEX 104                  | 317576          | HUBER+SUHNER     | 2019/5/16                                   | 2020/5/15 |
| ETSTW-Cable 051 | BNC Cable                    | BNC Cable 6                   | None            | JYE BAO          | 2019/3/6                                    | 2020/3/5  |
| ETSTW-Cable 052 | BNC Cable                    | Clamp Cable                   | None            | Schwarz beck     | 2019/3/6                                    | 2020/3/5  |
| ETSTW-Cable 058 | Microwave Cable              | SUCOFLEX 104                  | none            | HUBER+SUHNER     | 2019/6/6                                    | 2020/6/5  |
| ETSTW-Cable 065 | N type Cable (5m)            | RG214                         | None            | DRAKA            | Function Test                               |           |
| ETSTW-Cable 066 | SMA type cable               | 32022                         | None            | ASTROLAB         | 2019/3/15                                   | 2020/3/14 |
| ETSTW-Cable 067 | BNC Cable (1m)               | RG213                         | None            | ALLTESTEK        | Function Test                               |           |
| ETSTW-Cable 071 | N TYPE CABLE                 | EMCCFD400-NM-NM-25000         | 170239          | EMCI             | 2019/6/6                                    | 2020/6/5  |
| ETSTW-Cable 072 | SMA type cable (8m)          | SUCOFLEX 104                  | 805800/4        | HUBER+SUHNER     | 2019/5/16                                   | 2020/5/15 |
| ETSTW-Cable 074 | SMA type cable (2m)          | SUCOFLEX 104                  | 802563/4        | HUBER+SUHNER     | 2019/5/16                                   | 2020/5/15 |
| WTSTW-SW 001    | EMI TEST SOFTWARE            | Harmonics-1000                | None            | EMC PARTNER      | HARCS Version 4.20<br>Firmware Version 2.20 |           |
| WTSTW-SW 002    | EMI TEST SOFTWARE            | EZ_EMCC                       | None            | Farad            | Version ETS-03A1                            |           |
| WTSTW-SW 003    | EMS TEST SOFTWARE            | i2                            | None            | AUDIX            | Version 3.2007-8-17b                        |           |
| WTSTW-SW 005    | GSM Fading Level Correction  | GSMFadLevCor                  | None            | R&S              | Version 1.66                                |           |
| WTSTW-SW 006    | EMI TEST SOFTWARE            | e3                            | None            | AUDIX            | Version 9.161014                            |           |
| WTSTW-SW 007    | Keysight.EN300328.V191.Test  | Keysight                      | None            | Keysight         | Version 1.0.0.0                             |           |
| WTSTW-SW 008    | Signal studio                | Agilent                       | None            | AUDIX            | Version 2.0.0.1                             |           |



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## **3. Assessment Result**

### **3.1 Antenna type**

Antenna Type: PIFA Antenna

Maximum Gain: 2.9 dBi

### **3.2 Output power**

| Frequency(MHz) | Maximum EIRP Power (dBm) | EIRP Power (mW) | Limit(mW) | Pass/Fail |
|----------------|--------------------------|-----------------|-----------|-----------|
| 2402-2480      | 2.86                     | 1.9320          | 20        | Pass      |

Test equipment used: ETSTW-RE 050, ETSTW-RE 073, ETSTW-RE 074, ETSTW-RE 064, ETSTW-CE 009, ETSTW-GSM 023