

## TEST REPORT

1. Test Period : 2021-12-23 ~ 2022-01-13

2. Applicant : Company Name : SOLITY CO., LTD

President / C.E.O. : Chang Hoo Byun

Personal I.D. No. : -

Company Address : 267 Sinjeong-ro, Yangcheon-gu, Seoul,

Republic of Korea 08079, #201

3. Equipment Name /  
Model Name : TX-Remote control / TX200

4. Manufacturer /  
Country of Origin : SOLITY CO., LTD / Korea

5. Test Result : Pass

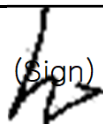

2022-01-24

## ESTECH CO., LTD.

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Tel : +82-2-867-3201, Fax : +82-2-867-3204

## Information of Testing Equipment

|                    |                                   |                   |   |
|--------------------|-----------------------------------|-------------------|---|
| Test<br>Equipment  | Equipment Name                    | TX-Remote control |   |
|                    | Model Name                        | TX200             |   |
|                    | Use                               | Remote Control    |   |
|                    | Manufacturer                      | SOLITY CO., LTD   |   |
|                    | Operating<br>Frequency            | Transmission      | 426.275 MHz   |
|                    |                                   | Reception         | -   |
|                    | Output Power                      | 5 mW              |   |
| Power Supply       | DC 3.0 V Battery                  |                   |   |
| Special<br>Matters | -                                 |                   |   |
| Test<br>Method     | Low Power Security Article 2-1-13 |                   |   |
| Note               | -                                 |                   |   |
| Test<br>Engineer   | Ki Ho Kang                        |                   | <br>(Sign) |
| Chief<br>Engineer  | Keum Bum Lee                      |                   | <br>(Sign) |

## Electrical Condition

|                       |                          |          |
|-----------------------|--------------------------|----------|
| Equipment Name        | TX-Remote control        |          |
| Measurement Frequency | F1: 426.275 MHz          |          |
| Termination           | 50 $\Omega$              |          |
| Test Environment      | Normal temp.             | Humidity |
|                       | +5~35 $^{\circ}\text{C}$ | +35~85%  |

※ It should be satisfy the conditions of follow later 1 minute after operating the EUT.

| Test Item                                     |              | Test result          |                      |                      | Limit  | Result |
|---|--------------|----------------------|----------------------|----------------------|--|--------|
|   |              | (+)10%               | Rated Voltage        | (-)10%               |  |        |
| Frequency Tolerance (kHz)                     | Normal Temp. | 0.013                | 0.013                | 0.013                | (below $\pm 4$ ppm)<br>F1: $\pm 1.7051$ kHz                  | Pass   |
| Max. RF Output Power (mW)                     | Normal Temp. | 4.36                 | 4.36                 | 4.35                 | less than 10 mW<br>Rated output power:<br>5 mW<br>(2.5-6 mW) | Pass   |
| Occupied Bandwidth (kHz)                      | Normal Temp. | 4.63                 | 4.63                 | 4.63                 | within 8.5 kHz   | Pass   |
| Spurious Emission Strength (uW)               | Normal Temp. | 0.042                | 0.042                | 0.041                | less than 2.5 uW   | Pass   |
| Restriction Function of Transmission Time (s) | Normal Temp. | 2.788 sec / 3.94 sec | 2.788 sec / 3.94 sec | 2.788 sec / 3.94 sec | Transmission ON : within 3 sec,<br>OFF : over 2 sec          | Pass   |

| Test Item                                  |              | Test result   |               |               | Limit          | Result |
|--|--------------|---------------|---------------|---------------|----------------|--------|
|  |              | (+)10%        | Rated Voltage | (-)10%        |                |        |
| Adjacent Channel Leakage Power (dB)        | Normal Temp. | 46.53 / 46.34 | 46.41 / 46.36 | 46.45 / 46.33 | more than 40dB | Pass   |
| Emission Wave Strength when Receiving (nW) | Normal Temp. | 0.010         | 0.011         | 0.011         | less than 4nW  | Pass   |
| ID code Length                             | Normal Temp. | 24 bits       |               |               | 48 bits        | Pass   |

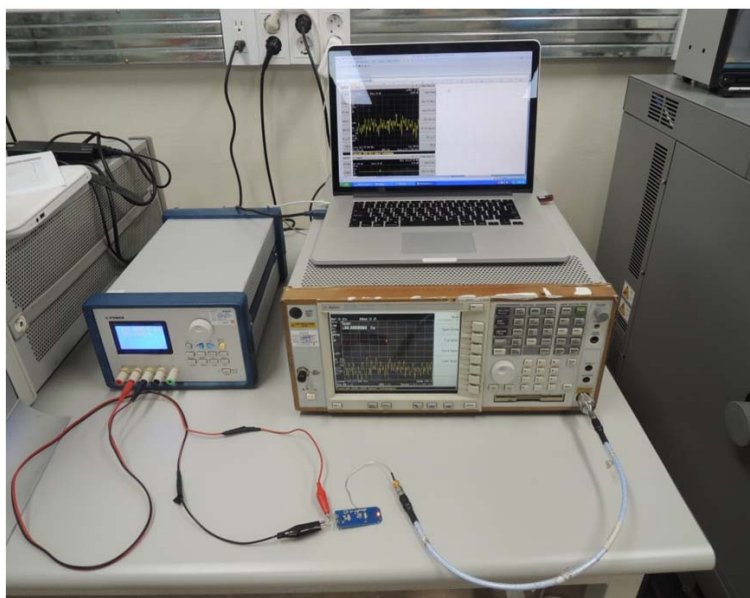
## Measurement Equipments

|   | Instrument        | Manufacturer  | Model No. | Serial No. | Calibration Date | Calibration Until | Calibration lab | Calibration method |
|---|-------------------|---------------|-----------|------------|------------------|-------------------|-----------------|--------------------|
| ■ | Spectrum Analyzer | Agilent       | E4440A    | US41421291 | Nov. 29, 2021    | Nov. 29, 2022     | HCT             | c)                 |
| ■ | SIGNAL GENERATOR  | ROHDE&SCHWARZ | SMB 100A  | 177653     | Nov. 29, 2021    | Nov. 29, 2022     | HCT             | c)                 |
| ■ | DC Power Supply   | VUPOWER       | K-3010    | 02110920   | Nov. 29, 2021    | Nov. 29, 2022     | HCT             | c)                 |

## Calibration Method

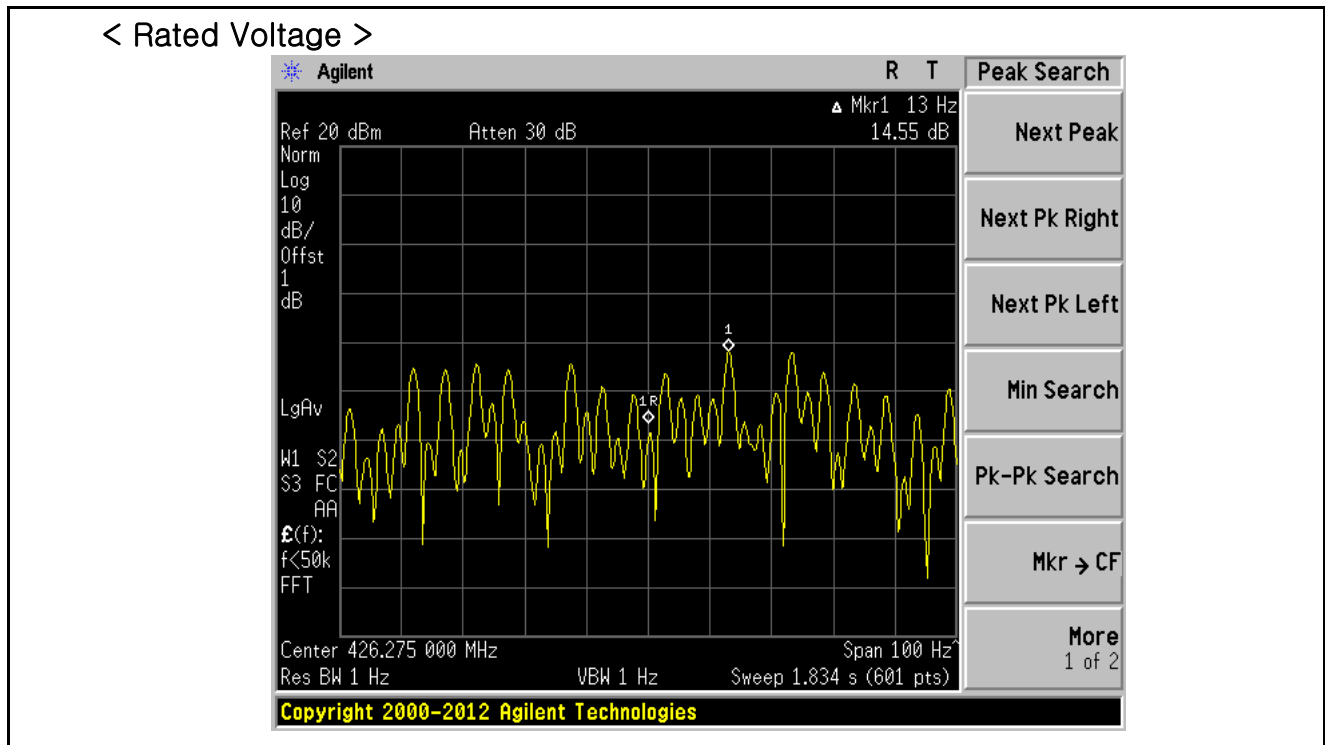
- a) : Calibration conducted by the National Institute of Information and Communications Technology(NICT) or a designated calibration agency under Article 102-18 paragraph (1) of the Radio Law.
- b) : Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
- c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- d) : Calibration conducted by using other equipment that listed above from a) to c).

## Test Conditions Photographs

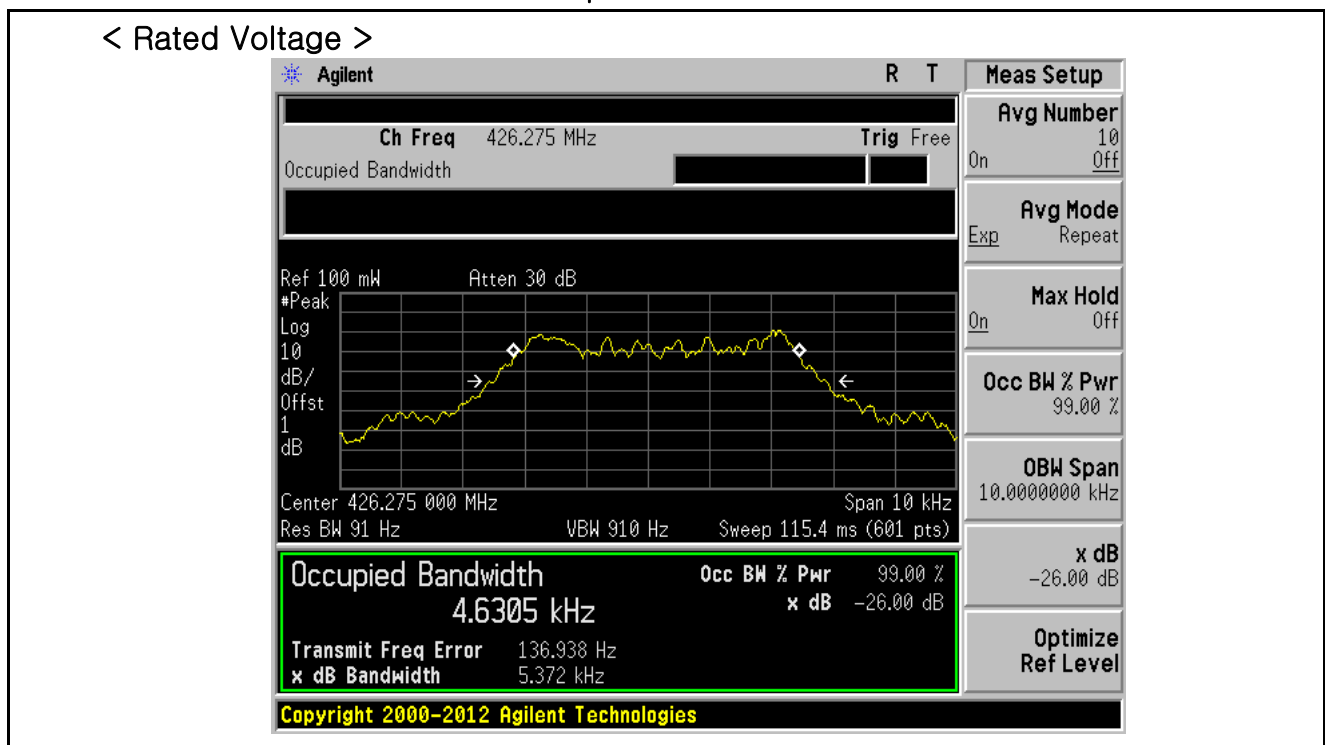


The picture of test data

### Frequency Tolerance

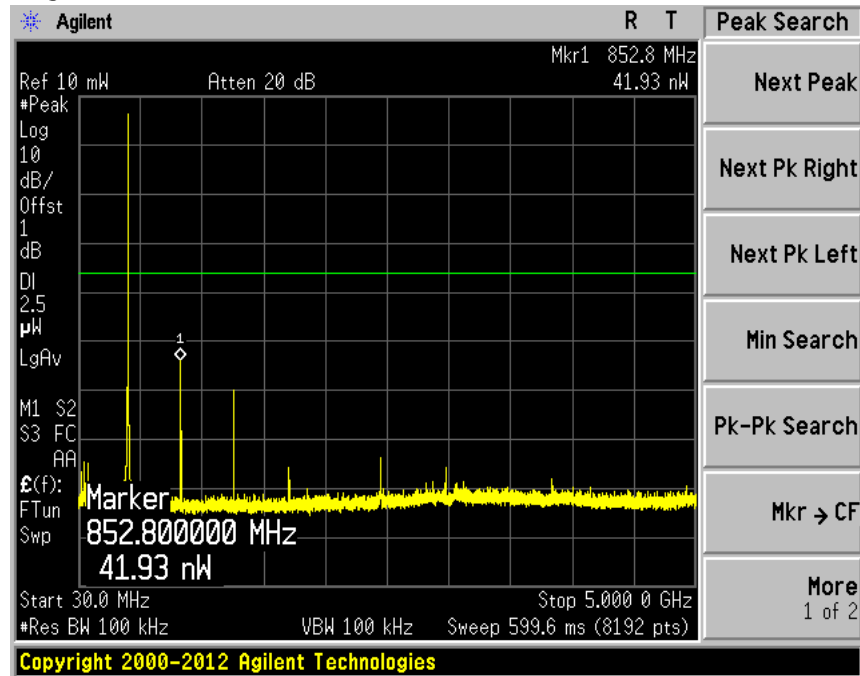


### Occupied Bandwidth



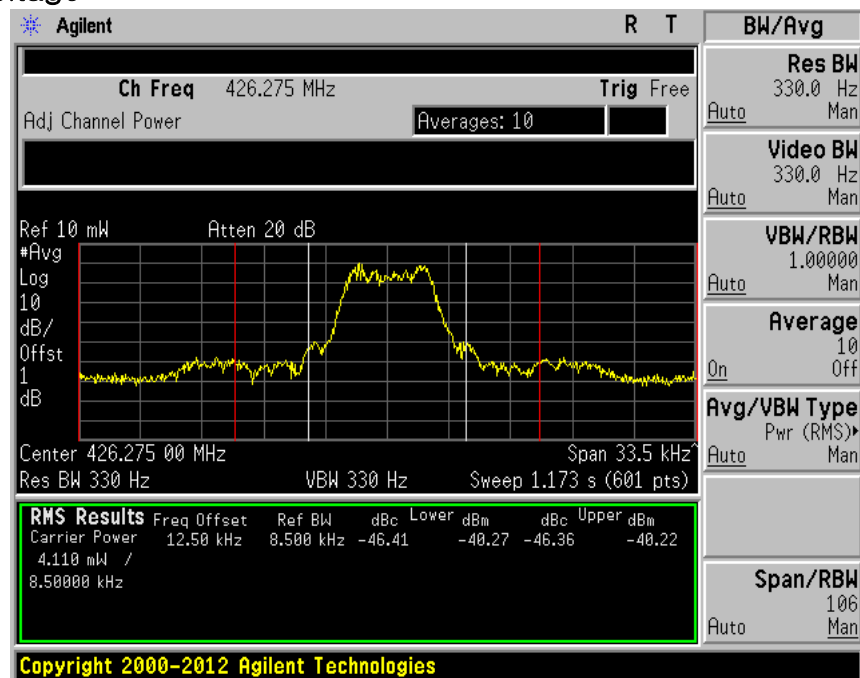
## Spurious Emission Strength

< Rated Voltage >



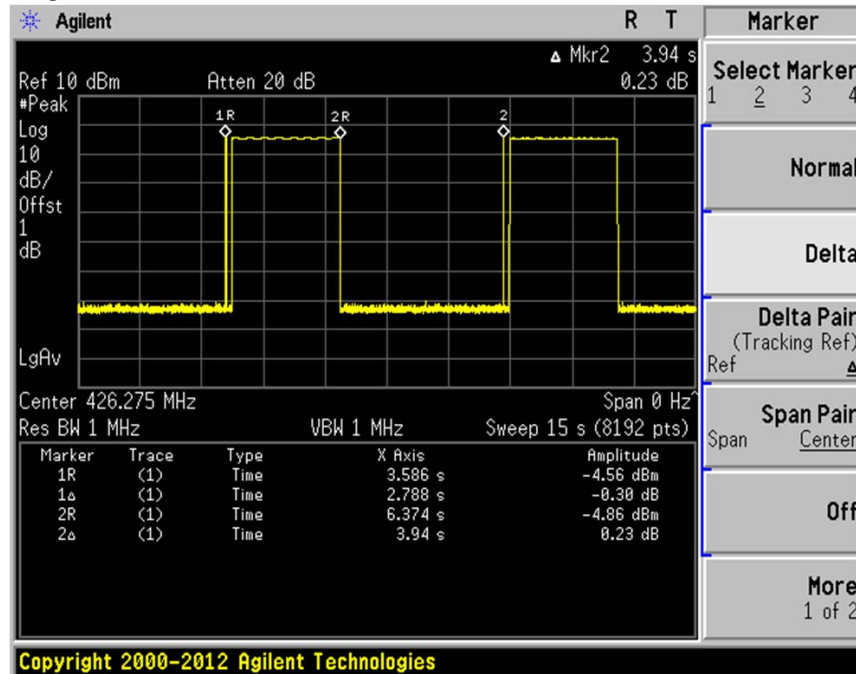
## Adjacent Channel Leakage Power

< Rated Voltage >



## Restriction Function of Transmission Time

< Rated Voltage >



## Emission Wave Strength when Receiving

< Rated Voltage >

