

**CFR 47 FCC PART 22 H  
CFR 47 FCC PART 24 E  
CFR 47 FCC PART 27**

**TEST REPORT**

*For*

**Unattended Payment Terminal**

**MODEL NUMBER: IM28**

**REPORT NUMBER: 4792178956-1-RF-7**

**ISSUE DATE: April 29, 2026**

**FCC ID: V5PIM28**

*Prepared for*

**PAX Technology Limited  
FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China**

*Prepared by*

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch  
Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China**

**Tel: +86 769 22038881**

**Fax: +86 769 33244054**

**Website: [www.ul.com](http://www.ul.com)**

Revision History

| Rev. | Issue Date     | Revisions     | Revised By |
|------|----------------|---------------|------------|
| V0   | April 29, 2026 | Initial Issue | \          |

## Note:

- 1.This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
2. The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 22 H >< CFR 47 FCC PART 24 E>< CFR 47 FCC PART 27> when < Simple Acceptance > decision rule is applied.

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## 1. ATTESTATION OF TEST RESULTS

### Applicant Information (FCC)

Company Name: PAX Technology Limited  
Address: FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China

### Manufacturer Information (FCC)

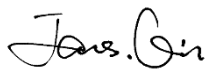
Company Name: PAX Computer Technology (Shenzhen) Co., Ltd.  
Address: Room 701, PAX Technology Building, Shanxia Community, Pinghu Sub-district, Longgang District, Shenzhen, China

### EUT Information

EUT Name: Unattended Payment Terminal  
Model: IM28  
Sample Received Date: March 16, 2026  
Sample Status: Normal  
Sample ID: 9535166  
Date of Tested: March 1, 2026 to April 25, 2026

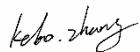
| APPLICABLE STANDARDS |              |
|----------------------|--------------|
| STANDARD             | TEST RESULTS |
| CFR 47 FCC PART 22 H | PASS         |
| CFR 47 FCC PART 24 E | PASS         |
| CFR 47 FCC PART 27   | PASS         |

Prepared By:



James Qin  
Project Engineer

Checked By:



Kebo Zhang  
Operations Leader

Approved By:



Stephen Guo  
Operations Manager

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.26-2015, 971168 D01 Power Meas License Digital Systems v03r01, 971168 D02 Misc Rev Approv License Devices v02r01, 412172 D01 v01r01 Determining ERP and EIRP, CFR 47 FCC Part 2, Part 22 H, Part 24 E, Part 27.

## 3. FACILITIES AND ACCREDITATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accreditation Certificate | <p><b>A2LA (Certificate No.: 4102.01)</b><br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b><br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b><br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED.<br/>The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p><b>VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202)</b><br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the membership No. is 3793.<br/>Facility Name:<br/>Chamber E, the VCCI registration No. is G-20240 and R-20248<br/>Shielding Room F, the VCCI registration No. is C-20202 and T-20202</p> |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Note:

1. All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.
2. The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field site and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.
3. Measurements have been performed in an anechoic chamber for below 30 MHz and compared with the measurement result that obtained in an open field site and the measurements result have been corrected to represent the result collected in an OFS.

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

### 4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Item                                                                                                                                      | Uncertainty             |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Conduction emission                                                                                                                            | 3.62 dB                 |
| Radiated Emission<br>(Included Fundamental Emission) (9 kHz ~ 30 MHz)                                                                          | 2.2 dB                  |
| Radiated Emission<br>(Included Fundamental Emission) (30 MHz ~ 1 GHz)                                                                          | 4.00 dB                 |
| Radiated Emission<br>(Included Fundamental Emission) (1 GHz to 40 GHz)                                                                         | 5.78 dB (1 GHz-18 GHz)  |
|                                                                                                                                                | 5.23dB (18 GHz-26 GHz)  |
|                                                                                                                                                | 5.64 dB (26 GHz-40 GHz) |
| Bandwidth                                                                                                                                      | 1.1 %                   |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2. |                         |

Remark: For Radiated Emission measurements (200 MHz - 18 GHz), the EUT support table is made of Expanded Polystyrene (EPS). This material is characterized by a low dielectric constant, as recognized in CISPR 16-1-4, to minimize its influence on field strength measurements. This influence has been considered in the uncertainty budget.

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

|                      |                             |
|----------------------|-----------------------------|
| EUT Name             | Unattended Payment Terminal |
| Model                | IM28                        |
| Normal Test Voltage: | AC 120V 60Hz                |

### 5.2. TEST CHANNEL CONFIGURATION

| Band         | Mode               | Low        | Middle     | High       |
|--------------|--------------------|------------|------------|------------|
| WCDMA Band 2 | Rel.99/HSDPA/HSUPA | 9262       | 9400       | 9538       |
|              |                    | 1852.4 MHz | 1880.0 MHz | 1907.6 MHz |
| WCDMA Band 4 | Rel.99/HSDPA/HSUPA | 1312       | 1413       | 1513       |
|              |                    | 1712.4 MHz | 1732.6 MHz | 1752.6 MHz |
| WCDMA Band 5 | Rel.99/HSDPA/HSUPA | 4132       | 4182       | 4233       |
|              |                    | 826.4 MHz  | 836.4 MHz  | 846.6 MHz  |

### 5.3. MAXIMUM ERP/EIRP POWER AND EMISSION DESIGNATOR

| <b>WCDMA Band2</b> |                   |                               |          |               |                     |
|--------------------|-------------------|-------------------------------|----------|---------------|---------------------|
| Part 24            |                   |                               |          |               |                     |
| EIRP Limit (W)     |                   | 2                             |          |               |                     |
| Antenna Gain (dBi) |                   | 1.69                          |          |               |                     |
| Mode               | Freq. Range (MHz) | Conducted Average power (dBm) | EIRP (W) | 99% OBW (MHz) | Emission Designator |
| REL. 99            | 1852.4 ~ 1907.6   | 24.02                         | 0.372    | 4.166         | 4M17F9W             |
| HSDPA              |                   | 23.06                         | 0.299    | 4.169         | 4M17F9W             |
| HSUPA              |                   | 22.00                         | 0.234    | 4.198         | 4M20F9W             |

| <b>WCDMA Band4</b> |                   |                               |          |               |                     |
|--------------------|-------------------|-------------------------------|----------|---------------|---------------------|
| Part 27            |                   |                               |          |               |                     |
| EIRP Limit (W)     |                   | 1                             |          |               |                     |
| Antenna Gain (dBi) |                   | 1.49                          |          |               |                     |
| Mode               | Freq. Range (MHz) | Conducted Average power (dBm) | EIRP (W) | 99% OBW (MHz) | Emission Designator |
| REL. 99            | 1712.4 ~ 1752.6   | 23.81                         | 0.339    | 4.168         | 4M17F9W             |
| HSDPA              |                   | 22.88                         | 0.274    | 4.165         | 4M17F9W             |
| HSUPA              |                   | 21.85                         | 0.216    | 4.182         | 4M18F9W             |

| <b>WCDMA Band5</b>    |                   |                               |         |               |                     |
|-----------------------|-------------------|-------------------------------|---------|---------------|---------------------|
| Part 22               |                   |                               |         |               |                     |
| ERP Limit (W) for FCC |                   | 7                             |         |               |                     |
| Antenna Gain (dBi)    |                   | 2.82                          |         |               |                     |
| Mode                  | Freq. Range (MHz) | Conducted Average power (dBm) | ERP (W) | 99% OBW (MHz) | Emission Designator |
| REL. 99               | 826.4 ~ 846.6     | 23.85                         | 0.283   | 4.175         | 4M18F9W             |
| HSDPA                 |                   | 22.92                         | 0.229   | 4.174         | 4M17F9W             |
| HSUPA                 |                   | 21.89                         | 0.180   | 4.192         | 4M19F9W             |

#### 5.4. WORST-CASE CONFIGURATION AND MODE

The radiated spurious emissions measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT was investigated in three orthogonal orientations X, Y and Z. It was determined that X orientation was the worst-case orientation.

Radiated spurious emissions were investigated below 30 MHz, 30 MHz - 1 GHz and above 1 GHz. There were no emissions found on below 1GHz and above 18 GHz, the emissions between 1 GHz – 18 GHz were tested at the low, mid, high channel and the worst configuration. Only the worst result is reported.

## 5.5. DESCRIPTION OF AVAILABLE ANTENNAS

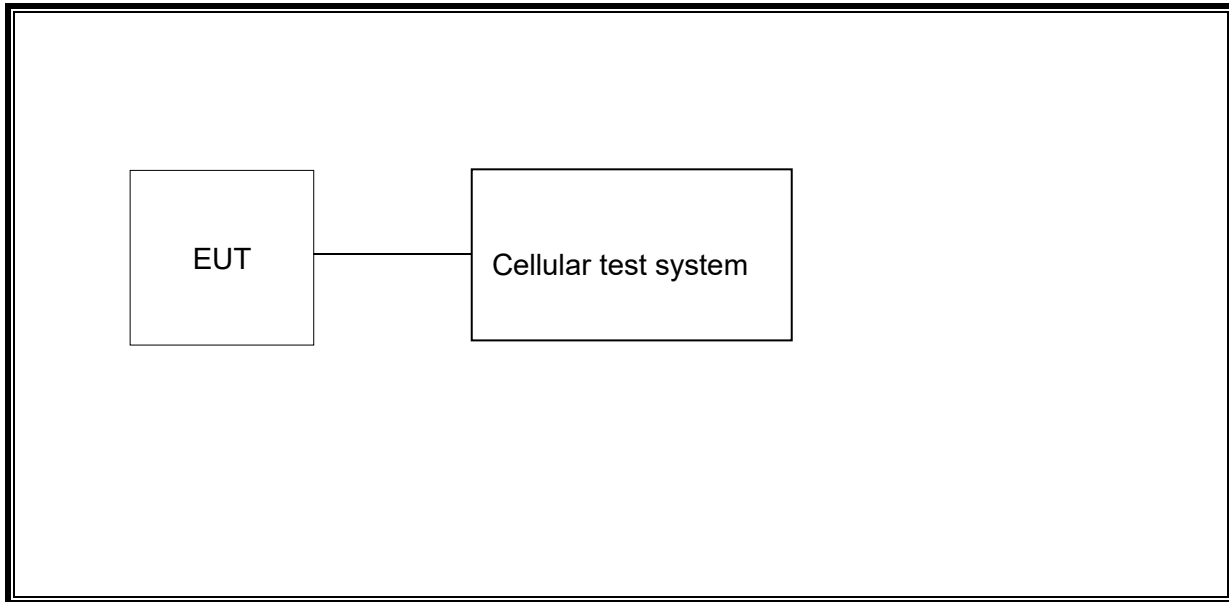
| Antenna | Band         | Antenna Type | MAX Antenna Gain (dBi) |
|---------|--------------|--------------|------------------------|
| Main    | WCDMA Band 2 | Dipole       | 1.69                   |
| Main    | WCDMA Band 4 | Dipole       | 1.49                   |
| Main    | WCDMA Band 5 | Dipole       | 2.82                   |
| Main    | WCDMA Band 2 | FPC          | 1.5                    |
| Main    | WCDMA Band 4 | FPC          | 1.3                    |
| Main    | WCDMA Band 5 | FPC          | -2.3                   |

| Band         | Transmit and Receive Mode                    | Description                                                                                              |
|--------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------|
| WCDMA Band 2 | <input checked="" type="checkbox"/> 1TX, 2RX | Main antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna |
| WCDMA Band 4 | <input checked="" type="checkbox"/> 1TX, 2RX | Main antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna |
| WCDMA Band 5 | <input checked="" type="checkbox"/> 1TX, 2RX | Main antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna |

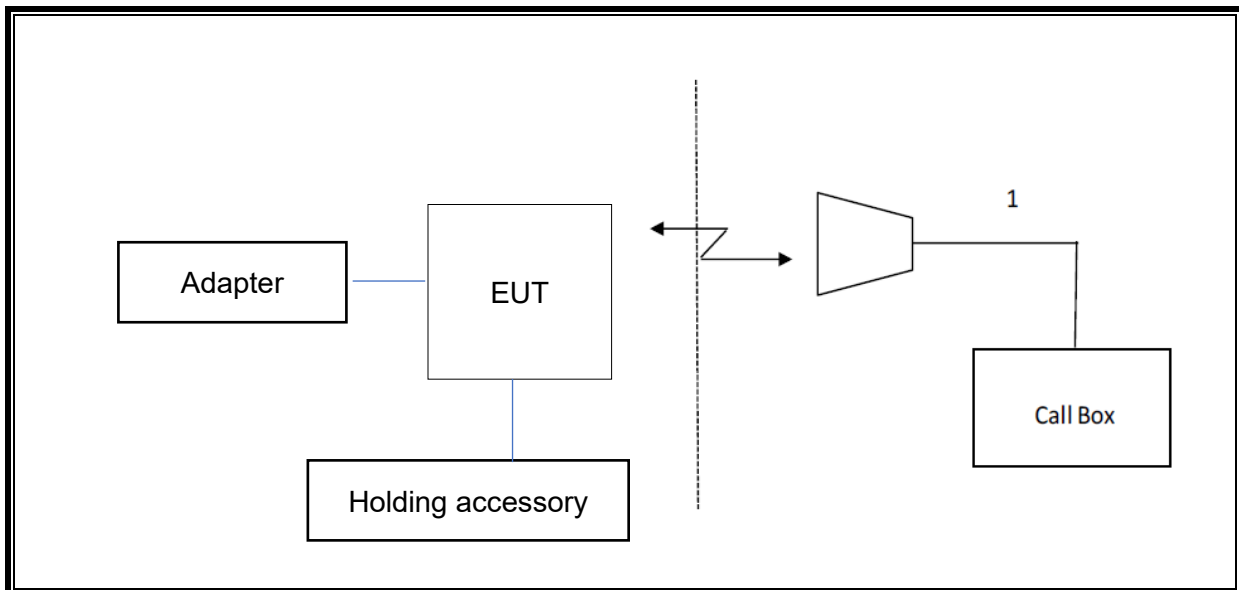
Note: The value of the antenna gain was declared by customer.

## 5.1. DESCRIPTION OF TEST SETUP

Conducted



Radiated



## 6. MEASURING INSTRUMENT AND SOFTWARE USED

| Antenna Terminal Test               |                                        |              |                             |                            |               |                |
|-------------------------------------|----------------------------------------|--------------|-----------------------------|----------------------------|---------------|----------------|
| Instrument                          |                                        |              |                             |                            |               |                |
| Used                                | Equipment                              | Manufacturer | Model No.                   | Serial No.                 | Last Cal.     | Next Cal.      |
| <input checked="" type="checkbox"/> | Spectrum Analyzer                      | R&S          | FSW                         | 1312.8000K26-103950-sj     | Sep. 12, 2025 | Sep. 11, 2026  |
| <input checked="" type="checkbox"/> | Wideband Radio Communication Tester    | R&S          | CMW500                      | 155523                     | Sep. 12, 2025 | Sep. 11, 2026  |
| Software                            |                                        |              |                             |                            |               |                |
| Used                                | Description                            |              | Manufacturer                | Name                       |               | Version        |
| <input checked="" type="checkbox"/> | Tonsend Cellular Test System           |              | Tonsend                     | JS1120 RF Auto Test System |               | 3.1.46         |
| Radiated Test                       |                                        |              |                             |                            |               |                |
| Instrument                          |                                        |              |                             |                            |               |                |
| Used                                | Equipment                              | Manufacturer | Model No.                   | Serial No.                 | Last Cal.     | Next Cal.      |
| <input checked="" type="checkbox"/> | MXE EMI Receiver                       | KESIGHT      | N9038A                      | MY56400036                 | Sep. 12, 2025 | Sep. 11, 2026  |
| <input checked="" type="checkbox"/> | Hybrid Log Periodic Antenna            | TDK          | HLP-3003C                   | 130959                     | June.28, 2024 | June.27, 2027  |
| <input checked="" type="checkbox"/> | Preamplifier                           | HP           | 8447D                       | 2944A09099                 | Sep. 12, 2025 | Sep. 11, 2026  |
| <input checked="" type="checkbox"/> | EMI Measurement Receiver               | R&S          | ESR26                       | 101377                     | Sep. 12, 2025 | Sep. 11, 2026  |
| <input checked="" type="checkbox"/> | Horn Antenna                           | TDK          | HRN-0118                    | 130940                     | Dec. 12, 2024 | Dece. 11, 2027 |
| <input checked="" type="checkbox"/> | Horn Antenna                           | Schwarzbeck  | BBHA9170                    | 697                        | Jun. 30, 2024 | Jun. 29, 2027  |
| <input checked="" type="checkbox"/> | Preamplifier                           | TDK          | PA-02-0118                  | TRS-305-00067              | Sep. 12, 2025 | Sep. 11, 2026  |
| <input checked="" type="checkbox"/> | Preamplifier                           | TDK          | PA-02-2                     | TRS-307-00003              | Sep. 12, 2025 | Sep. 11, 2026  |
| <input checked="" type="checkbox"/> | Loop antenna                           | Schwarzbeck  | 1519B                       | 00008                      | Dec.09, 2024  | Dec.08,2027    |
| <input checked="" type="checkbox"/> | High Pass Filter                       | Wi           | WHKX10-2700-3000-18000-40SS | 23                         | Sep.12, 2025  | Sep.11, 2026   |
| Software                            |                                        |              |                             |                            |               |                |
| Used                                | Description                            |              | Manufacturer                | Name                       |               | Version        |
| <input checked="" type="checkbox"/> | Test Software for Radiated disturbance |              | Farad                       | EZ-EMC                     |               | Ver. UL-3A1    |

## 7. ANTENNA TERMINAL TEST RESULTS

### 7.1. EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER

#### RULE PART(S)

FCC: §2.1046, §22.913, §24.232, §27.50

#### LIMITS

22.913(a) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232(c) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

27.50(c) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

27.50(d) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watts EIRP.

27.50(h) Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

#### TEST PROCEDURE

Refer to ANSI C63.26:2015 and KDB 971168 D01 Section 5.6

$ERP/EIRP = P_{Meas} + GT - LC$

where:

ERP or EIRP = effective or equivalent isotropically radiated power, respectively (expressed in the same units as  $P_{Meas}$ , typically dBW or dBm);

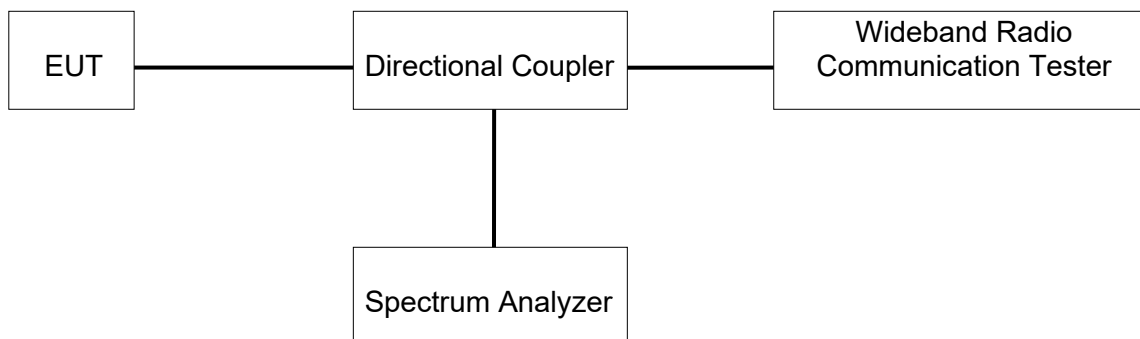
$P_{Meas}$  = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB

The transmitter has a maximum output powers as follows and maximum ERP/EIRP is tabulated in section 5.3.

#### TEST SETUP



#### TEST ENVIRONMENT

|             |        |                   |       |
|-------------|--------|-------------------|-------|
| Temperature | 23.4°C | Relative Humidity | 59.9% |
|-------------|--------|-------------------|-------|

|                     |        |              |              |
|---------------------|--------|--------------|--------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V 60HZ |
|---------------------|--------|--------------|--------------|

## RESULTS

| Band II |              | Channel No. |       |        |
|---------|--------------|-------------|-------|--------|
|         |              | 9262        | 9400  | 9538   |
|         |              | Fre. (MHz)  |       |        |
|         |              | 1852.4      | 1880  | 1907.6 |
| WCDMA   | 12.2kbps RMC | 24.02       | 23.61 | 23.55  |
| HSDPA   | Subtest 1    | 23.06       | 22.68 | 22.59  |
|         | Subtest 2    | 22.56       | 22.12 | 22.09  |
|         | Subtest 3    | 22.58       | 22.21 | 22.13  |
|         | Subtest 4    | 22.56       | 22.16 | 22.13  |
| HSUPA   | Subtest 1    | 21.02       | 20.64 | 20.61  |
|         | Subtest 2    | 21.01       | 20.60 | 20.57  |
|         | Subtest 3    | 22.00       | 21.60 | 21.57  |
|         | Subtest 4    | 20.54       | 20.15 | 20.10  |
|         | Subtest 5    | 21.99       | 21.63 | 21.57  |

| Band IV |              | Channel No. |        |        |
|---------|--------------|-------------|--------|--------|
|         |              | 1312        | 1413   | 1513   |
|         |              | Fre. (MHz)  |        |        |
|         |              | 1712.4      | 1732.6 | 1752.6 |
| WCDMA   | 12.2kbps RMC | 23.56       | 23.44  | 23.81  |
| HSDPA   | Subtest 1    | 22.61       | 22.43  | 22.88  |
|         | Subtest 2    | 22.11       | 21.94  | 22.31  |
|         | Subtest 3    | 22.10       | 21.94  | 22.32  |
|         | Subtest 4    | 22.04       | 21.98  | 22.33  |
| HSUPA   | Subtest 1    | 20.62       | 20.43  | 20.84  |
|         | Subtest 2    | 20.58       | 20.44  | 20.83  |
|         | Subtest 3    | 21.58       | 21.42  | 21.81  |
|         | Subtest 4    | 20.09       | 19.96  | 20.34  |
|         | Subtest 5    | 21.59       | 21.40  | 21.85  |

| Band V |              | Channel No. |       |       |
|--------|--------------|-------------|-------|-------|
|        |              | 4132        | 4182  | 4233  |
|        |              | Fre. (MHz)  |       |       |
|        |              | 826.4       | 836.4 | 846.6 |
| WCDMA  | 12.2kbps RMC | 23.78       | 23.65 | 23.85 |
| HSDPA  | Subtest 1    | 22.80       | 22.70 | 22.92 |
|        | Subtest 2    | 22.23       | 22.10 | 22.43 |
|        | Subtest 3    | 22.28       | 22.15 | 22.36 |
|        | Subtest 4    | 22.26       | 22.13 | 22.34 |
| HSUPA  | Subtest 1    | 20.81       | 20.69 | 20.89 |
|        | Subtest 2    | 20.82       | 20.69 | 20.89 |
|        | Subtest 3    | 21.84       | 21.71 | 21.89 |
|        | Subtest 4    | 20.32       | 20.16 | 20.43 |
|        | Subtest 5    | 21.80       | 21.70 | 21.87 |

## 7.2. PEAK TO AVERAGE RADIO

### LIMITS

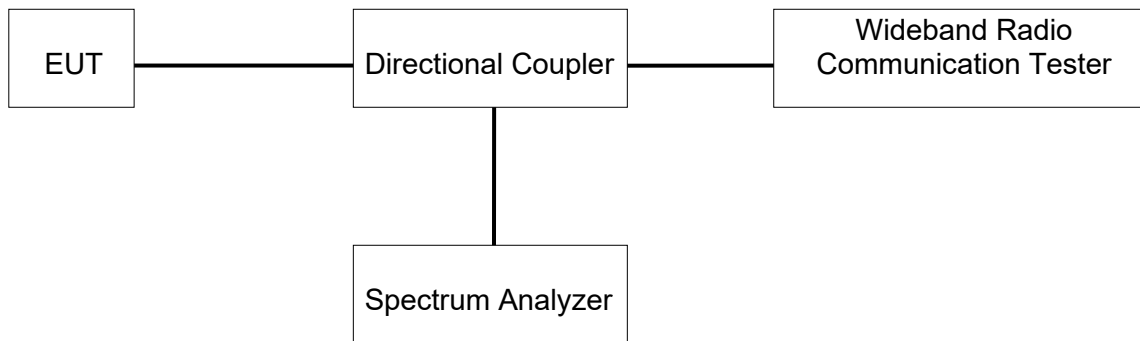
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

### TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The PAR was measured on the Spectrum Analyzer.

### TEST SETUP



### TEST ENVIRONMENT

|                     |        |                   |              |
|---------------------|--------|-------------------|--------------|
| Temperature         | 23.4°C | Relative Humidity | 59.9%        |
| Atmosphere Pressure | 101kPa | Test Voltage      | AC 120V 60HZ |

### RESULTS

Middle was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

Please refer to Appendix WCDMA.

### 7.3. OCCUPIED BANDWIDTH

#### RULE PART(S)

FCC: §2.1049

#### LIMITS

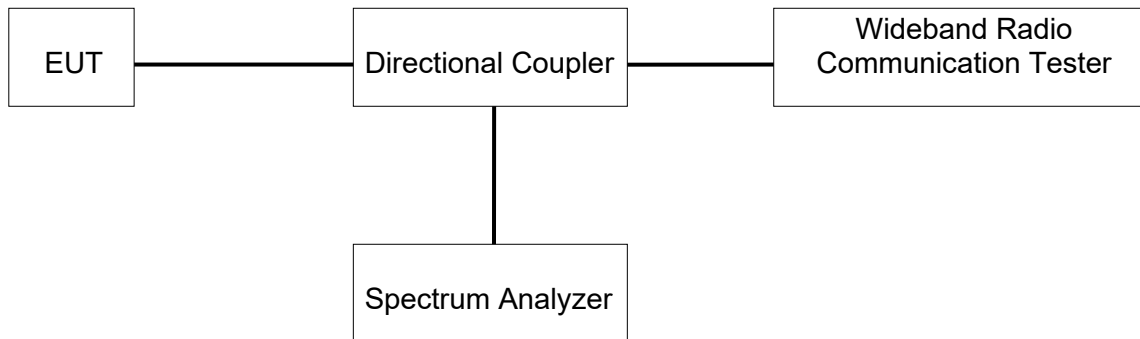
For reporting purposes only.

#### TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

(Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01)

#### TEST SETUP



#### TEST ENVIRONMENT

|                     |        |                   |              |
|---------------------|--------|-------------------|--------------|
| Temperature         | 23.4°C | Relative Humidity | 59.9%        |
| Atmosphere Pressure | 101kPa | Test Voltage      | AC 120V 60HZ |

#### RESULTS

There is no limit required and power is the same for low, middle and high channel, therefore, only middle channel was tested.

Please refer to Appendix WCDMA.

## 7.4. BAND EDGE EMISSIONS

### RULE PART(S)

FCC §2.1051, §22.917, §24.238, §27.53

### LIMITS

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

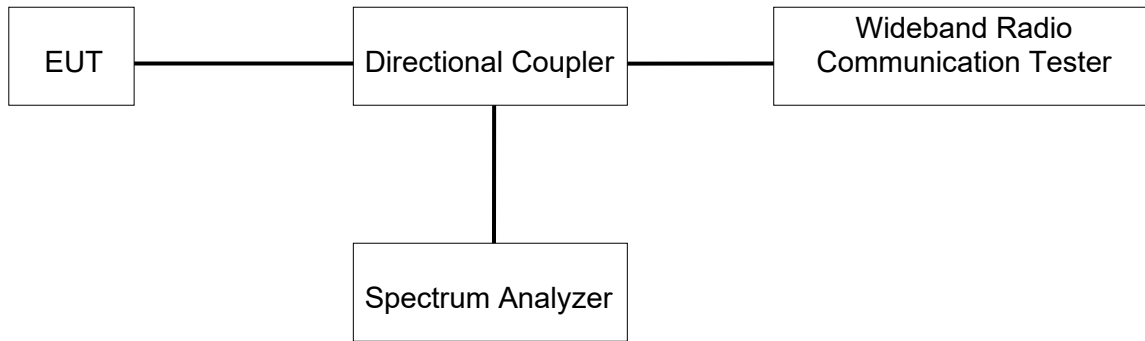
### TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power.

The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

- a) Set the RBW = 1 ~ 5 % of OBW (Typically limited to a minimum RBW of 1% of the OBW)
- b) Set VBW  $\geq 3 \times$  RBW;
- c) Set span  $\geq 1.5$  times the OBW;
- d) Sweep time = Auto;
- e) Detector = RMS;
- f) Ensure that the number of measurement points  $\geq 2 \times$  Span/RBW;
- g) Trace mode = Average (100);

**TEST SETUP****TEST ENVIRONMENT**

|                     |        |                   |              |
|---------------------|--------|-------------------|--------------|
| Temperature         | 23.4°C | Relative Humidity | 59.9%        |
| Atmosphere Pressure | 101kPa | Test Voltage      | AC 120V 60HZ |

**RESULTS**

Please refer to Appendix WCDMA.

## 7.5. SPURIOUS EMISSION AT ANTENNA TERMINAL

### RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53

### LIMITS

FCC: §22.901, §22.917, §24.238

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

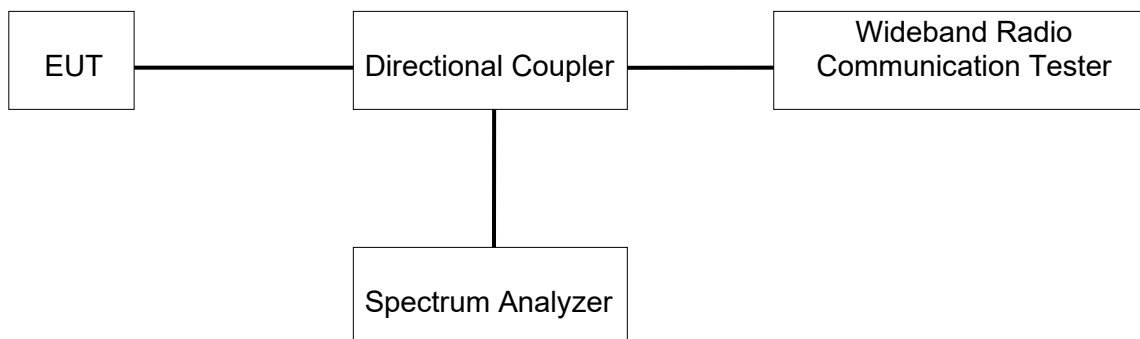
### TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

- a) Set the RBW = 100 kHz for emission below 1GHz and 1MHz for emissions above 1GHz  
(Tests were performed 1 MHz [Worst case], to sweep 1 time for all frequency range)
- b) Set VBW  $\geq 3 \times$  RBW;
- c) Set span  $\geq 1.5$  times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points = Max (40001);
- g) Trace mode = trace average for continuous emissions, max hold for pulse emissions;

### TEST SETUP



**TEST ENVIRONMENT**

|                     |        |                   |              |
|---------------------|--------|-------------------|--------------|
| Temperature         | 23.4°C | Relative Humidity | 59.9%        |
| Atmosphere Pressure | 101kPa | Test Voltage      | AC 120V 60HZ |

**RESULTS**

Please refer to Appendix WCDMA.

## 7.6. FREQUENCY STABILITY

### Rule Part:

FCC: §2.1055, §22.355, §24.235, §27.54

### LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations.

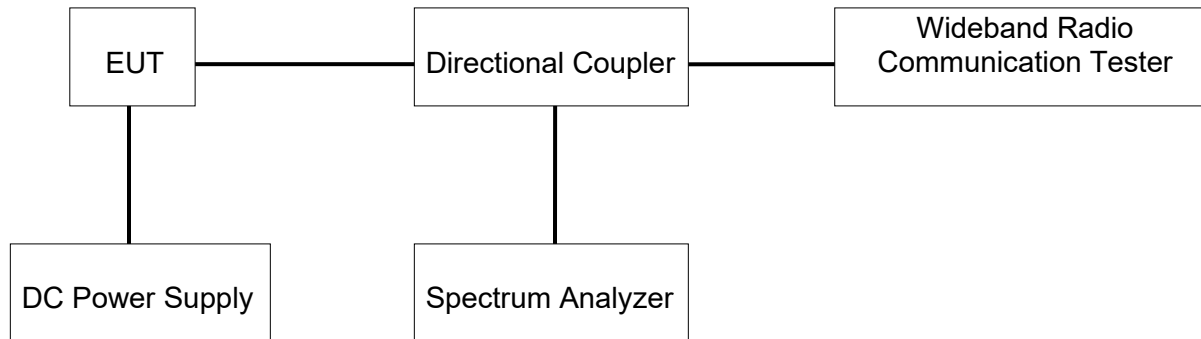
§24.235 and §27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

### TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

|                      | Normal Test Conditions                 | Extreme Test Conditions         |
|----------------------|----------------------------------------|---------------------------------|
| Relative Humidity    | 45 % - 75 %                            | /                               |
| Atmospheric Pressure | 100 kPa ~102 kPa                       | /                               |
| Temperature          | $T_N$ (Normal Temperature):<br>24.5 °C | $T_L$ (Low Temperature): -20 °C |
|                      |                                        | $T_H$ (High Temperature): 70 °C |
| Supply Voltage       | $V_N$ (Normal Voltage): AC 120V 60HZ   | $V_L$ (Low Voltage): AC 102 V   |
|                      |                                        | $V_H$ (High Voltage): AC 138 V  |

### TEST SETUP



### TEST ENVIRONMENT

|                     |        |                   |       |
|---------------------|--------|-------------------|-------|
| Temperature         | 23.4°C | Relative Humidity | 59.9% |
| Atmosphere Pressure | 101kPa | Test Voltage      | /     |

### RESULTS

The peak frequency error is recorded (worst-case).  
Please refer to Appendix WCDMA.

## 7.7. RADIATED SPURIOUS EMISSIONS

### LIMIT

FCC: §24.238(a), (WCDMA Band 2)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

FCC: §22.917(a), (WCDMA Band 5)

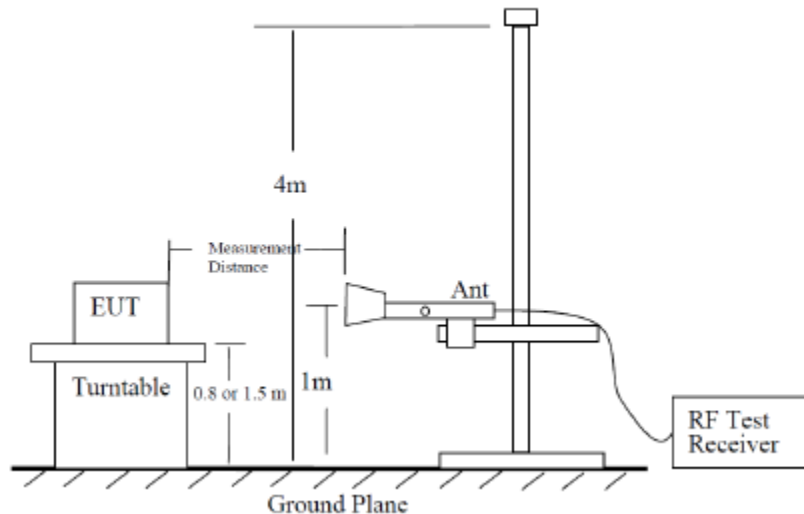
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

FCC: §27.53(h), (WCDMA Band 4)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

### TEST PROCEDURE

Following the test configuration shown below, radiated emissions measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in section 5.5.1 of ANSI C63.26-2015. The field strength measurement method by using a test site validated to the requirement of ANSI C63.4 is an alternative method to the substitution measurement.



### **Radiated Power Measurement Calculation According to ANSI C63.26-2015**

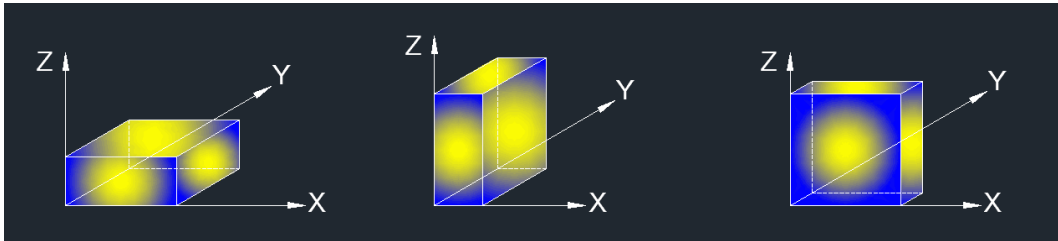
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$ , where D is the measurement distance (in the far field region) in m.
- $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$ , where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is at 3m, then  $20 \cdot \log(3) = 9.5424$

Then,  $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

X axis, Y axis, Z axis positions:

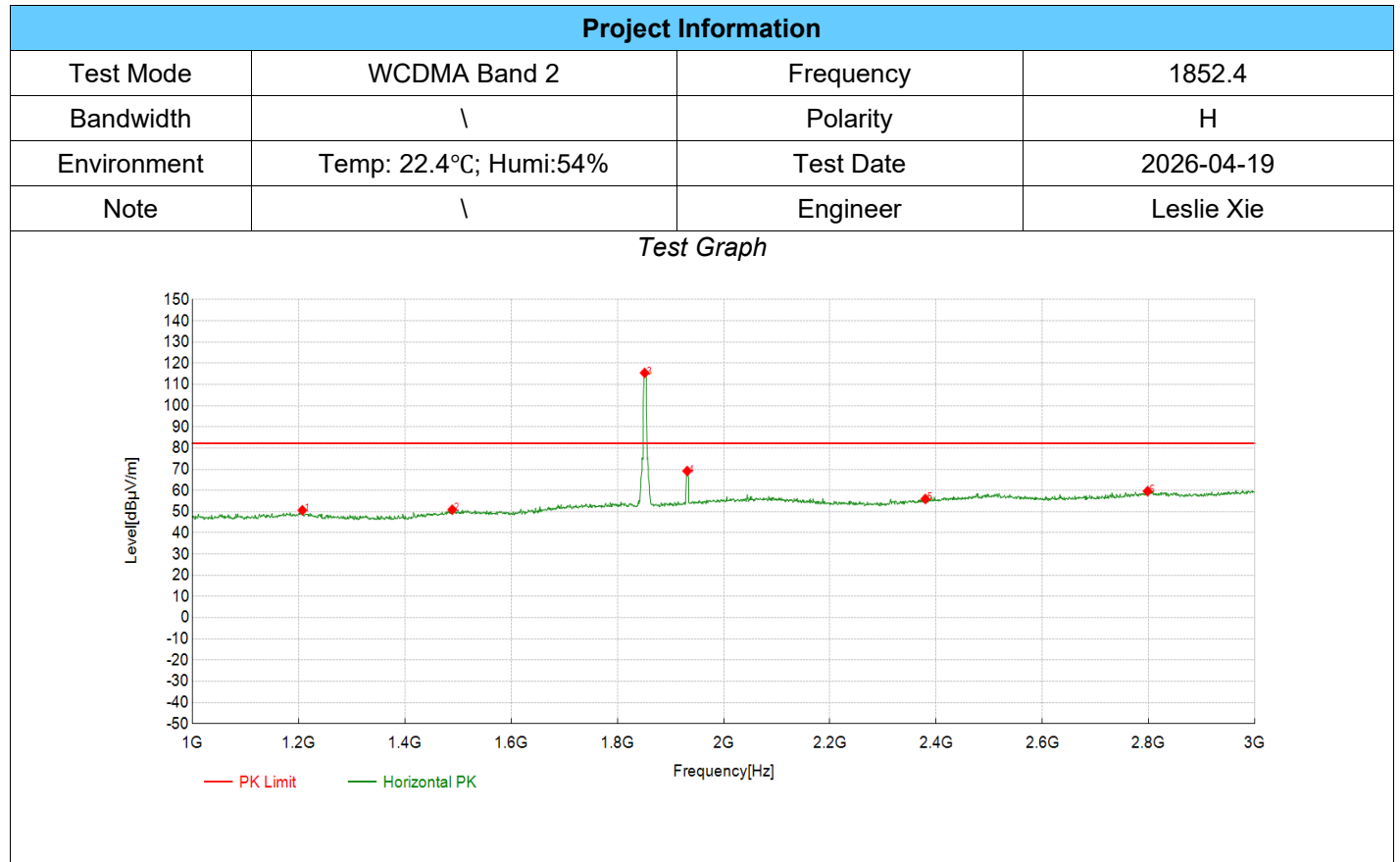


Note: The EUT was investigated in three orthogonal orientations X/Y/Z on ANT0 to determine the worst-case orientation. X orientation is finally determined the worst.

## TEST ENVIRONMENT

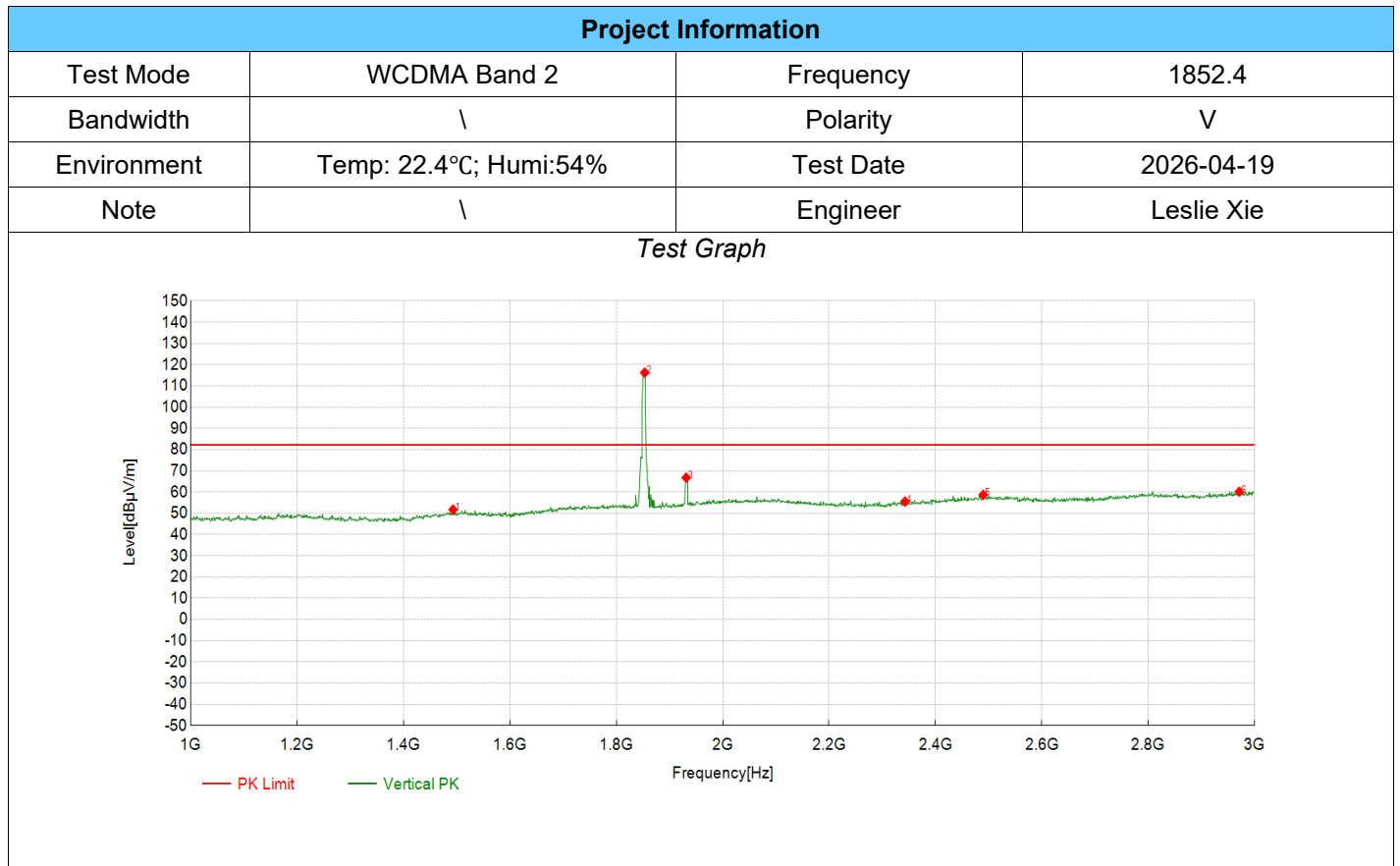
|                     |        |                   |              |
|---------------------|--------|-------------------|--------------|
| Temperature         | 24.8°C | Relative Humidity | 63%          |
| Atmosphere Pressure | 101kPa | Test Voltage      | AC 120V 60Hz |

## RESULTS



| PEAK Data List |                 |                  |                |               |                |             |          |            |             |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|-------------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict     |
| 1              | 1207.10         | 46.34            | 50.67          | 4.33          | 82.25          | 31.58       | PK       | Horizontal | PASS        |
| 2              | 1489.24         | 45.73            | 50.94          | 5.21          | 82.25          | 31.31       | PK       | Horizontal | PASS        |
| 3              | 1851.43         | 107.20           | 115.46         | 8.26          | \              | \           | \        | \          | FUNDAMENTAL |
| 4              | 1931.47         | 60.32            | 69.18          | 8.86          | 82.25          | 13.07       | PK       | Horizontal | PASS        |
| 5              | 2379.69         | 47.44            | 56.00          | 8.56          | 82.25          | 26.25       | PK       | Horizontal | PASS        |
| 6              | 2797.90         | 48.33            | 59.67          | 11.34         | 82.25          | 22.58       | PK       | Horizontal | PASS        |

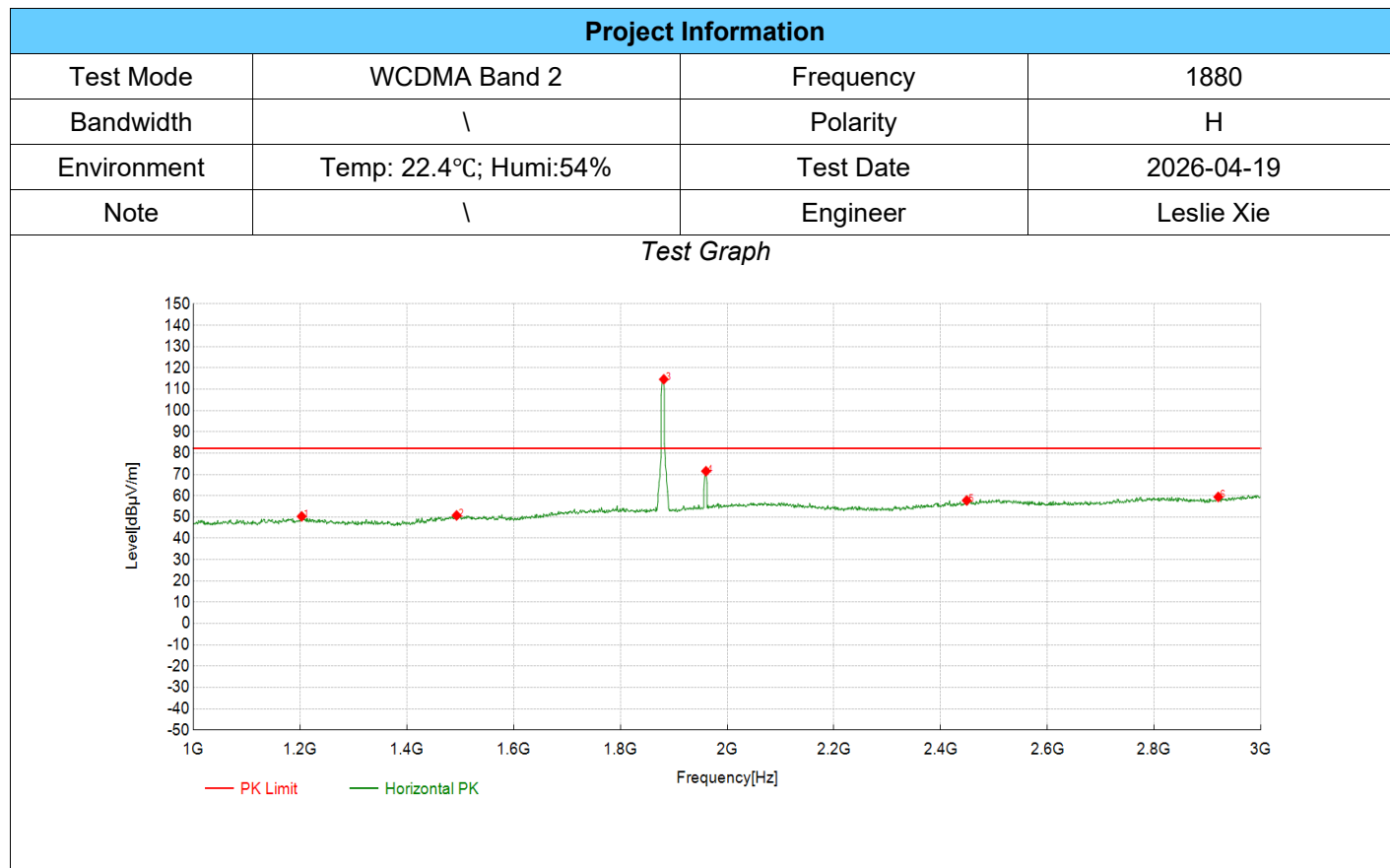
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |             |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|-------------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict     |
| 1              | 1493.25         | 46.43            | 51.76          | 5.33          | 82.25          | 30.49       | PK       | Vertical | PASS        |
| 2              | 1853.43         | 108.02           | 116.28         | 8.26          | \              | \           | \        | \        | FUNDAMENTAL |
| 3              | 1931.47         | 57.95            | 66.81          | 8.86          | 82.25          | 15.44       | PK       | Vertical | PASS        |
| 4              | 2342.67         | 47.44            | 55.50          | 8.06          | 82.25          | 26.75       | PK       | Vertical | PASS        |
| 5              | 2489.74         | 48.63            | 58.71          | 10.08         | 82.25          | 23.54       | PK       | Vertical | PASS        |
| 6              | 2970.99         | 48.44            | 60.15          | 11.71         | 82.25          | 22.10       | PK       | Vertical | PASS        |

Note:(1)Level=Reading+Factor

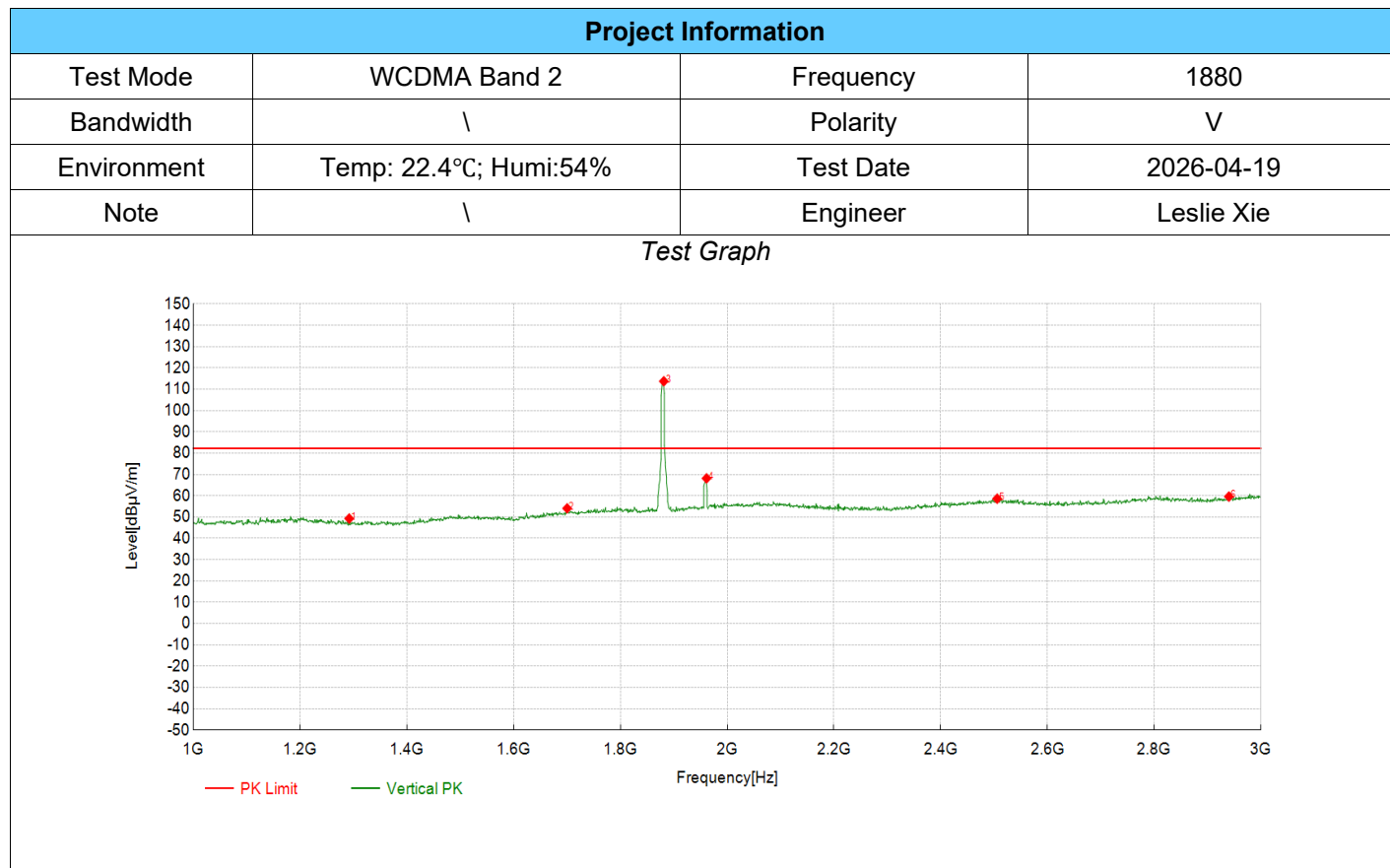
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |             |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|-------------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict     |
| 1              | 1203.10         | 45.91            | 50.32          | 4.41          | 82.25          | 31.93       | PK       | Horizontal | PASS        |
| 2              | 1493.25         | 45.44            | 50.77          | 5.33          | 82.25          | 31.48       | PK       | Horizontal | PASS        |
| 3              | 1881.44         | 106.41           | 114.66         | 8.25          | \              | \           | \        | \          | FUNDAMENTAL |
| 4              | 1960.48         | 62.09            | 71.53          | 9.44          | 82.25          | 10.72       | PK       | Horizontal | PASS        |
| 5              | 2448.72         | 48.28            | 57.79          | 9.51          | 82.25          | 24.46       | PK       | Horizontal | PASS        |
| 6              | 2919.96         | 48.46            | 59.46          | 11.00         | 82.25          | 22.79       | PK       | Horizontal | PASS        |

Note:(1)Level=Reading+Factor

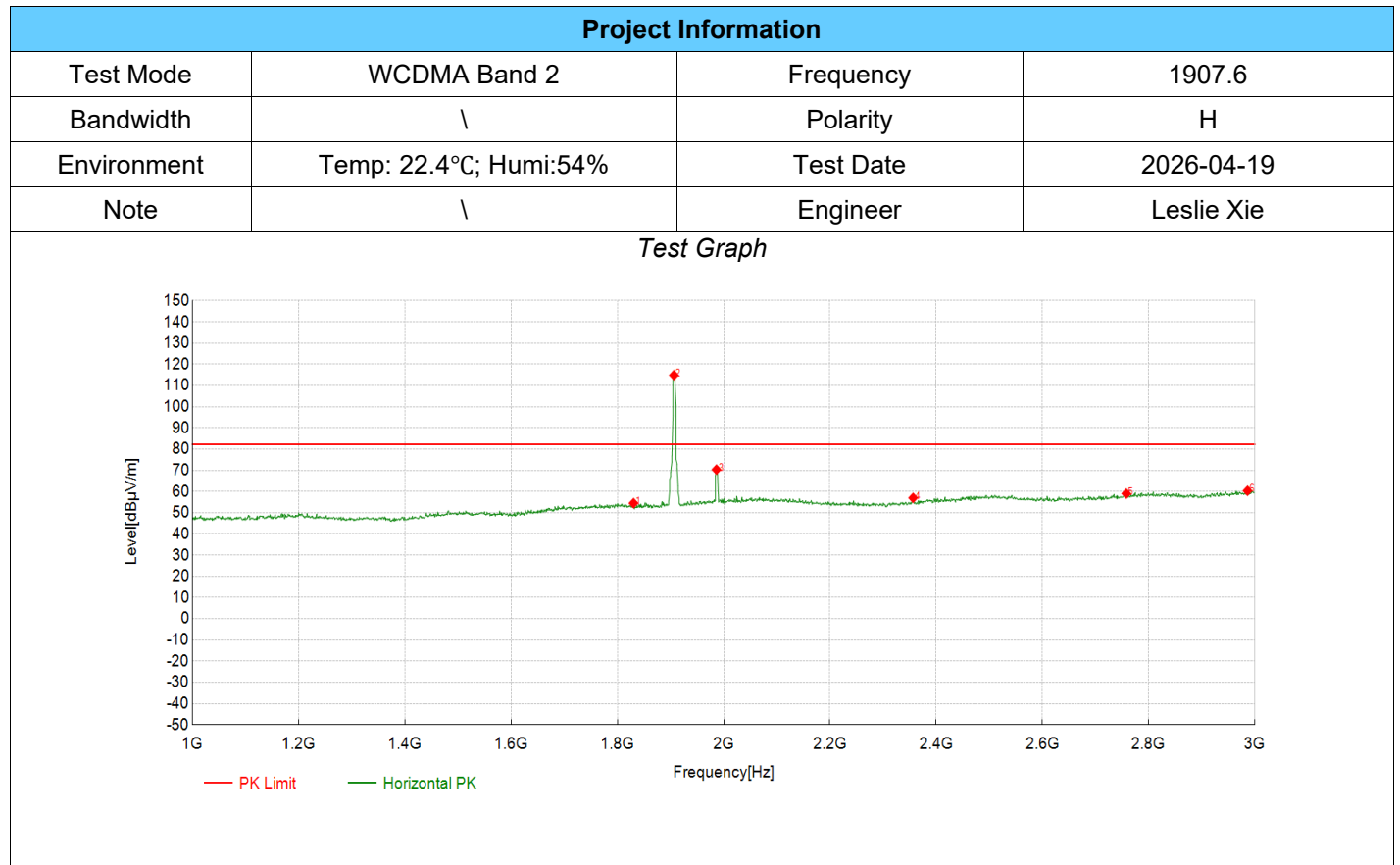
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |             |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|-------------|
| NO.            | Frequency [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity | Verdict     |
| 1              | 1292.15         | 46.62            | 49.30          | 2.68          | 82.25          | 32.95       | PK       | Vertical | PASS        |
| 2              | 1700.35         | 46.77            | 54.10          | 7.33          | 82.25          | 28.15       | PK       | Vertical | PASS        |
| 3              | 1881.44         | 105.51           | 113.76         | 8.25          | \              | \           | \        | \        | FUNDAMENTAL |
| 4              | 1961.48         | 58.73            | 68.18          | 9.45          | 82.25          | 14.07       | PK       | Vertical | PASS        |
| 5              | 2505.75         | 48.49            | 58.63          | 10.14         | 82.25          | 23.62       | PK       | Vertical | PASS        |
| 6              | 2939.97         | 48.35            | 59.63          | 11.28         | 82.25          | 22.62       | PK       | Vertical | PASS        |

Note:(1)Level=Reading+Factor

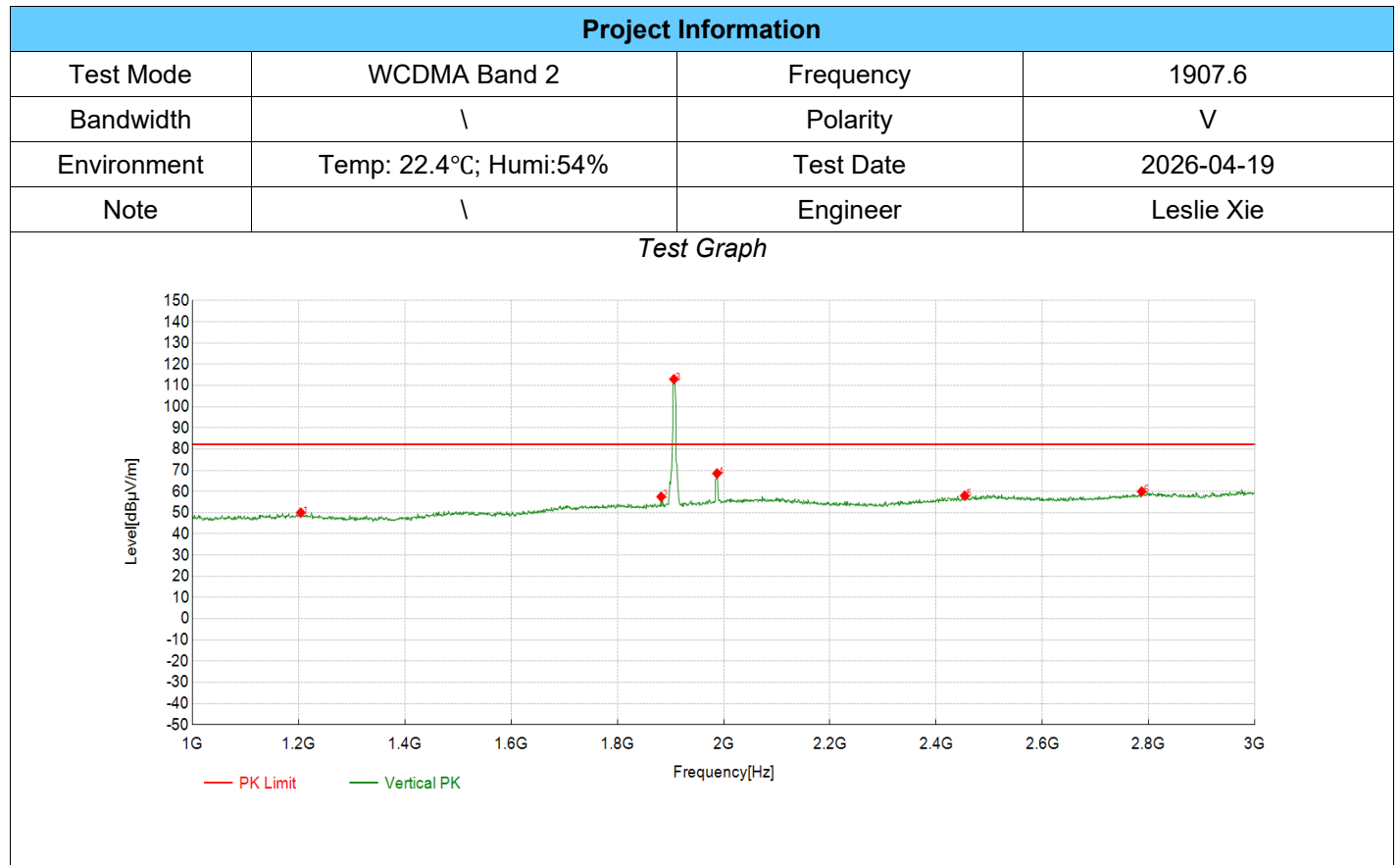
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |             |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|-------------|
| NO.            | Frequency [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   | Verdict     |
| 1              | 1830.42         | 46.21            | 54.48          | 8.27          | 82.25          | 27.77       | PK       | Horizontal | PASS        |
| 2              | 1906.45         | 106.53           | 114.89         | 8.36          | \              | \           | \        | \          | FUNDAMENTAL |
| 3              | 1986.49         | 60.42            | 70.36          | 9.94          | 82.25          | 11.89       | PK       | Horizontal | PASS        |
| 4              | 2356.68         | 48.73            | 56.99          | 8.26          | 82.25          | 25.26       | PK       | Horizontal | PASS        |
| 5              | 2757.88         | 48.54            | 58.99          | 10.45         | 82.25          | 23.26       | PK       | Horizontal | PASS        |
| 6              | 2985.99         | 48.43            | 60.35          | 11.92         | 82.25          | 21.90       | PK       | Horizontal | PASS        |

Note:(1)Level=Reading+Factor

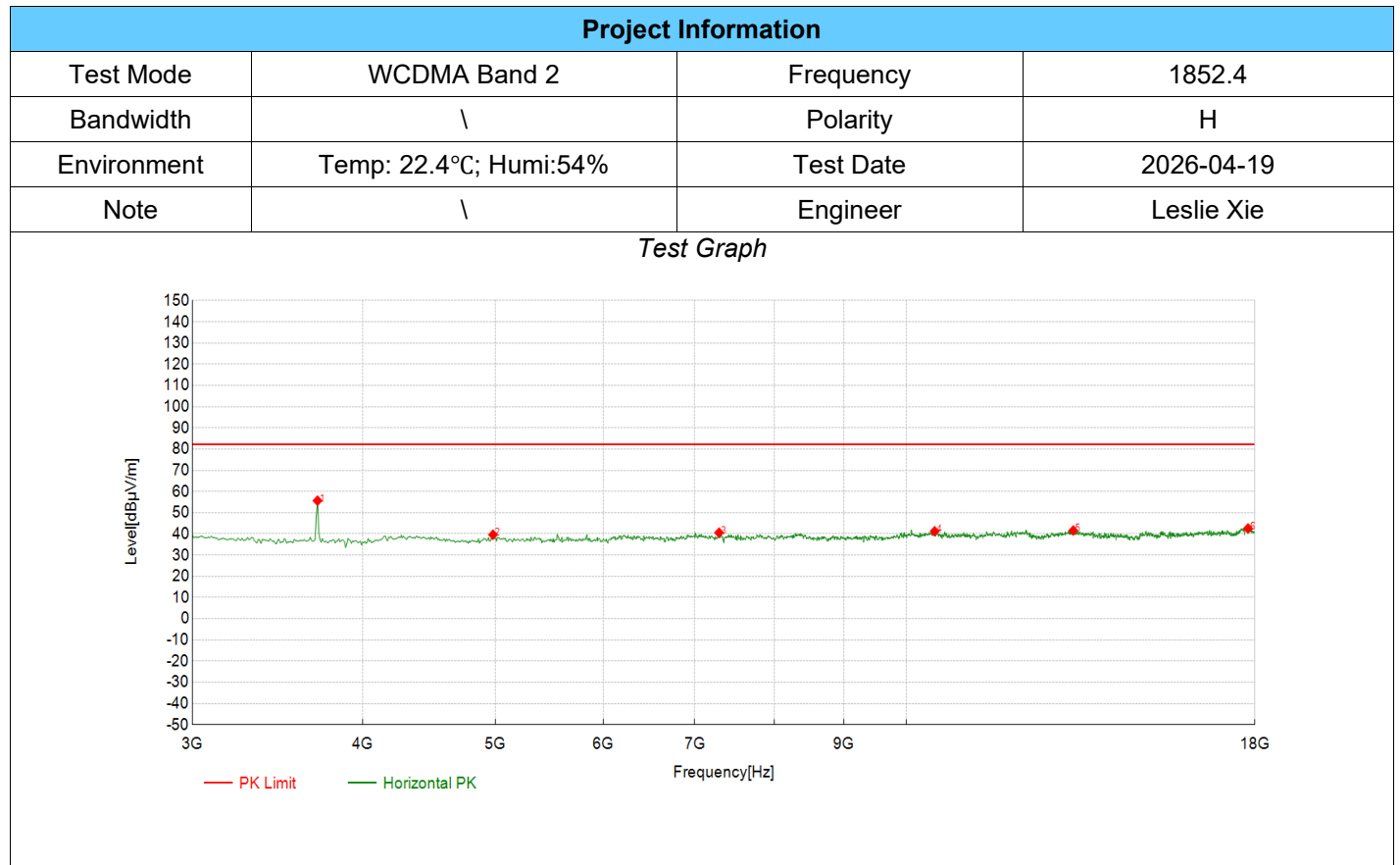
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |             |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|-------------|
| NO.            | Frequency [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity | Verdict     |
| 1              | 1204.10         | 45.64            | 50.03          | 4.39          | 82.25          | 32.22       | PK       | Vertical | PASS        |
| 2              | 1882.44         | 49.28            | 57.53          | 8.25          | 82.25          | 24.72       | PK       | Vertical | PASS        |
| 3              | 1906.45         | 104.63           | 112.99         | 8.36          | \              | \           | \        | \        | FUNDAMENTAL |
| 4              | 1987.49         | 58.56            | 68.53          | 9.97          | 82.25          | 13.72       | PK       | Vertical | PASS        |
| 5              | 2453.73         | 48.44            | 58.01          | 9.57          | 82.25          | 24.24       | PK       | Vertical | PASS        |
| 6              | 2786.89         | 48.89            | 59.98          | 11.09         | 82.25          | 22.27       | PK       | Vertical | PASS        |

Note:(1)Level=Reading+Factor

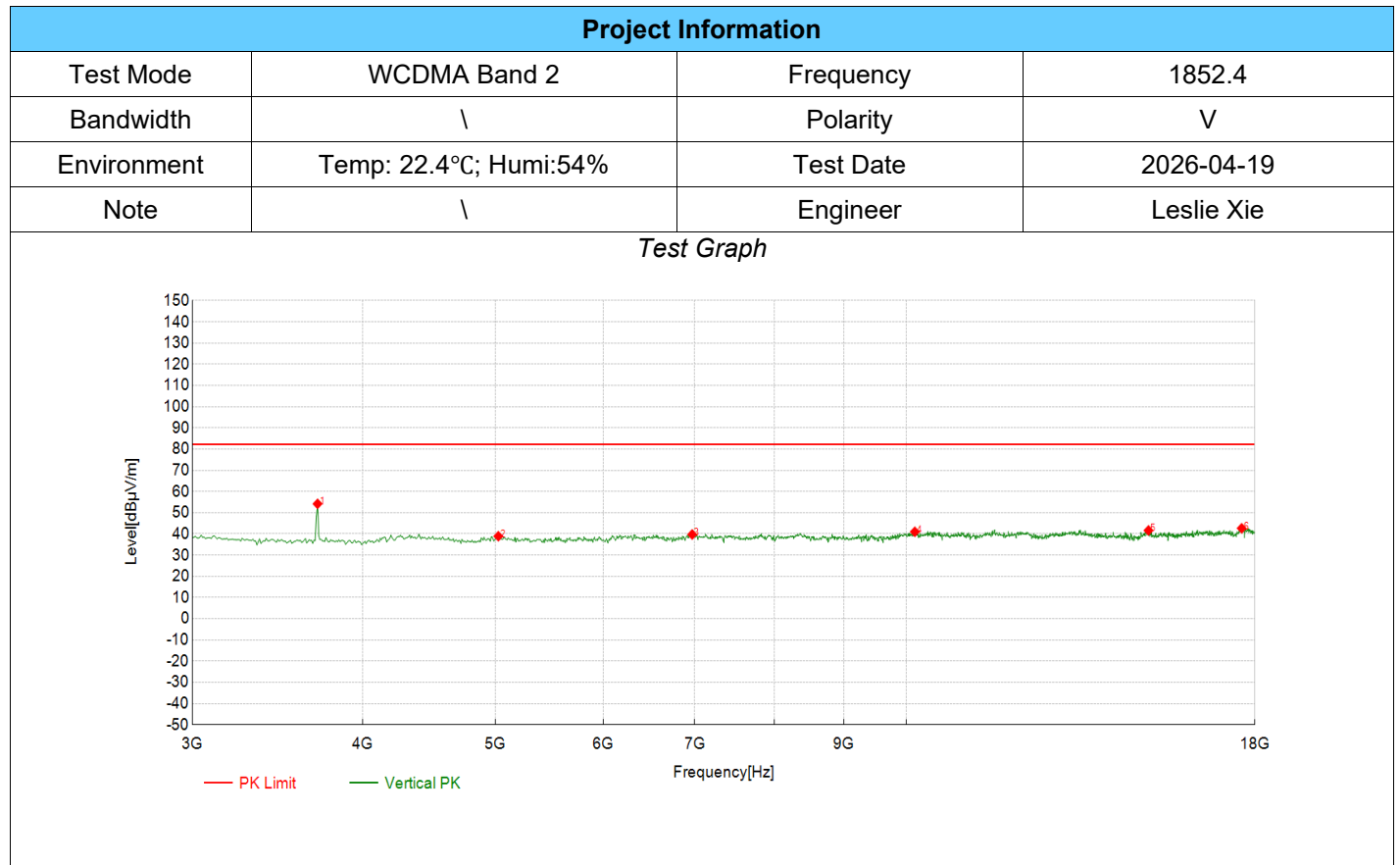
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 3705.35         | 74.72            | 55.69          | -19.03        | 82.25          | 26.56       | PK       | Horizontal | PASS    |
| 2              | 4980.99         | 57.27            | 39.65          | -17.62        | 82.25          | 42.60       | PK       | Horizontal | PASS    |
| 3              | 7292.15         | 55.77            | 40.58          | -15.19        | 82.25          | 41.67       | PK       | Horizontal | PASS    |
| 4              | 10488.74        | 50.82            | 41.25          | -9.57         | 82.25          | 41.00       | PK       | Horizontal | PASS    |
| 5              | 13250.13        | 52.57            | 41.63          | -10.94        | 82.25          | 40.62       | PK       | Horizontal | PASS    |
| 6              | 17789.89        | 47.70            | 42.59          | -5.11         | 82.25          | 39.66       | PK       | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

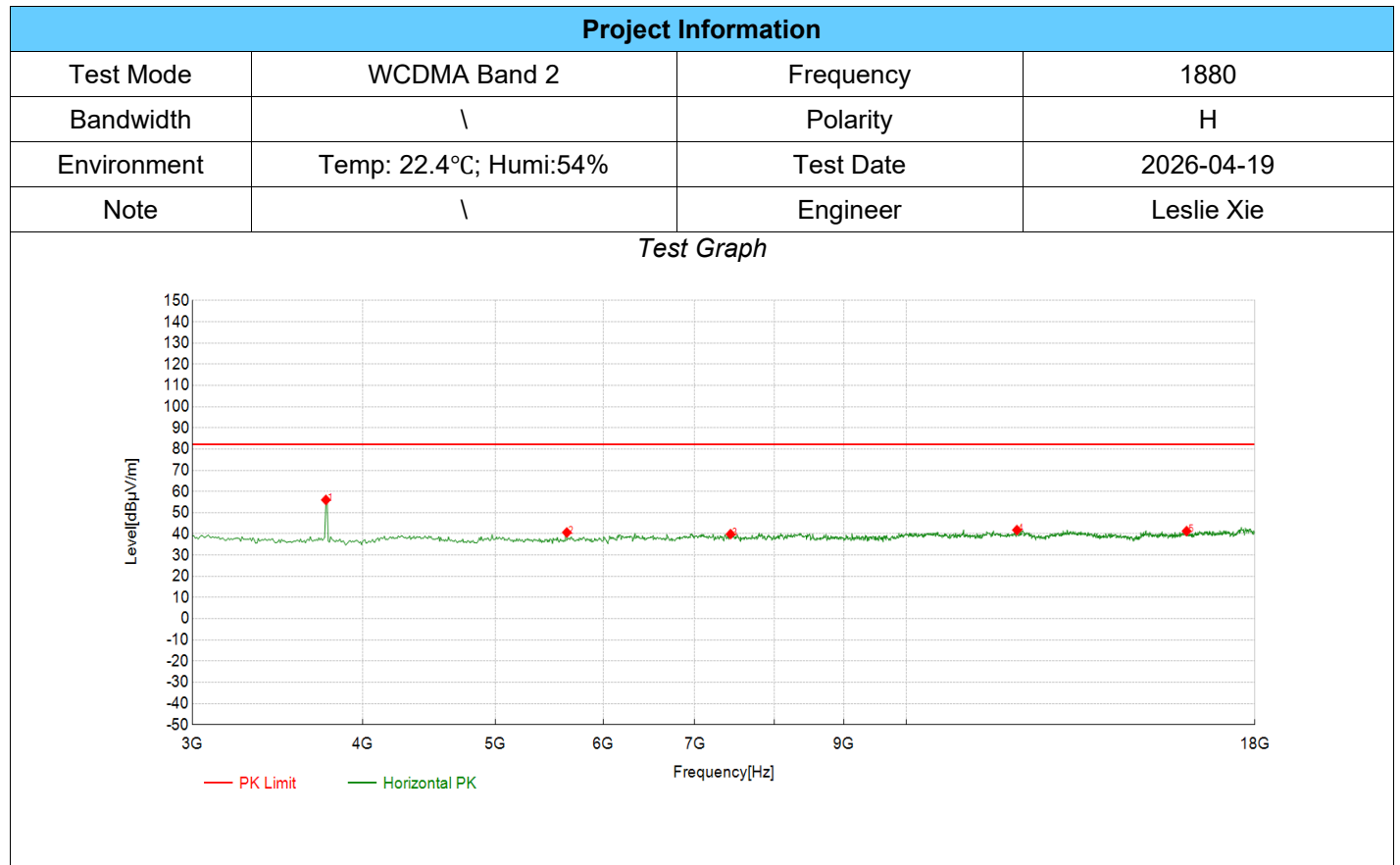
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 3705.35         | 73.24            | 54.21          | -19.03        | 82.25          | 28.04       | PK       | Vertical | PASS    |
| 2              | 5026.01         | 56.56            | 38.94          | -17.62        | 82.25          | 43.31       | PK       | Vertical | PASS    |
| 3              | 6969.48         | 54.71            | 39.76          | -14.95        | 82.25          | 42.49       | PK       | Vertical | PASS    |
| 4              | 10143.57        | 52.15            | 41.01          | -11.14        | 82.25          | 41.24       | PK       | Vertical | PASS    |
| 5              | 15043.52        | 51.14            | 41.66          | -9.48         | 82.25          | 40.59       | PK       | Vertical | PASS    |
| 6              | 17602.30        | 47.67            | 42.67          | -5.00         | 82.25          | 39.58       | PK       | Vertical | PASS    |

Note:(1)Level=Reading+Factor

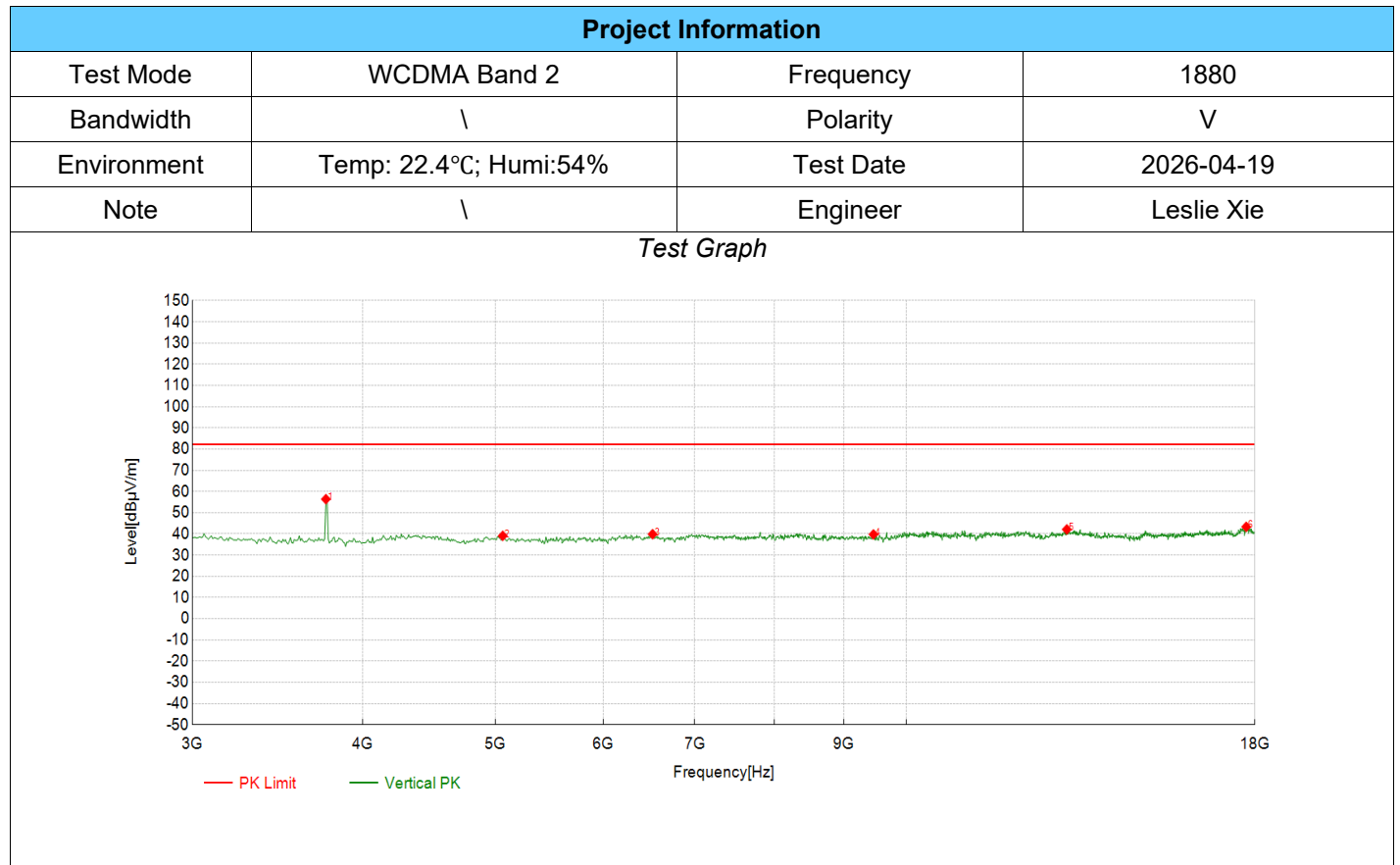
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 3757.88         | 75.15            | 56.05          | -19.10        | 82.25          | 26.20       | PK       | Horizontal | PASS    |
| 2              | 5641.32         | 58.11            | 40.69          | -17.42        | 82.25          | 41.56       | PK       | Horizontal | PASS    |
| 3              | 7434.72         | 55.14            | 39.93          | -15.21        | 82.25          | 42.32       | PK       | Horizontal | PASS    |
| 4              | 12049.52        | 51.47            | 41.82          | -9.65         | 82.25          | 40.43       | PK       | Horizontal | PASS    |
| 5              | 16041.52        | 49.64            | 41.34          | -8.30         | 82.25          | 40.91       | PK       | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

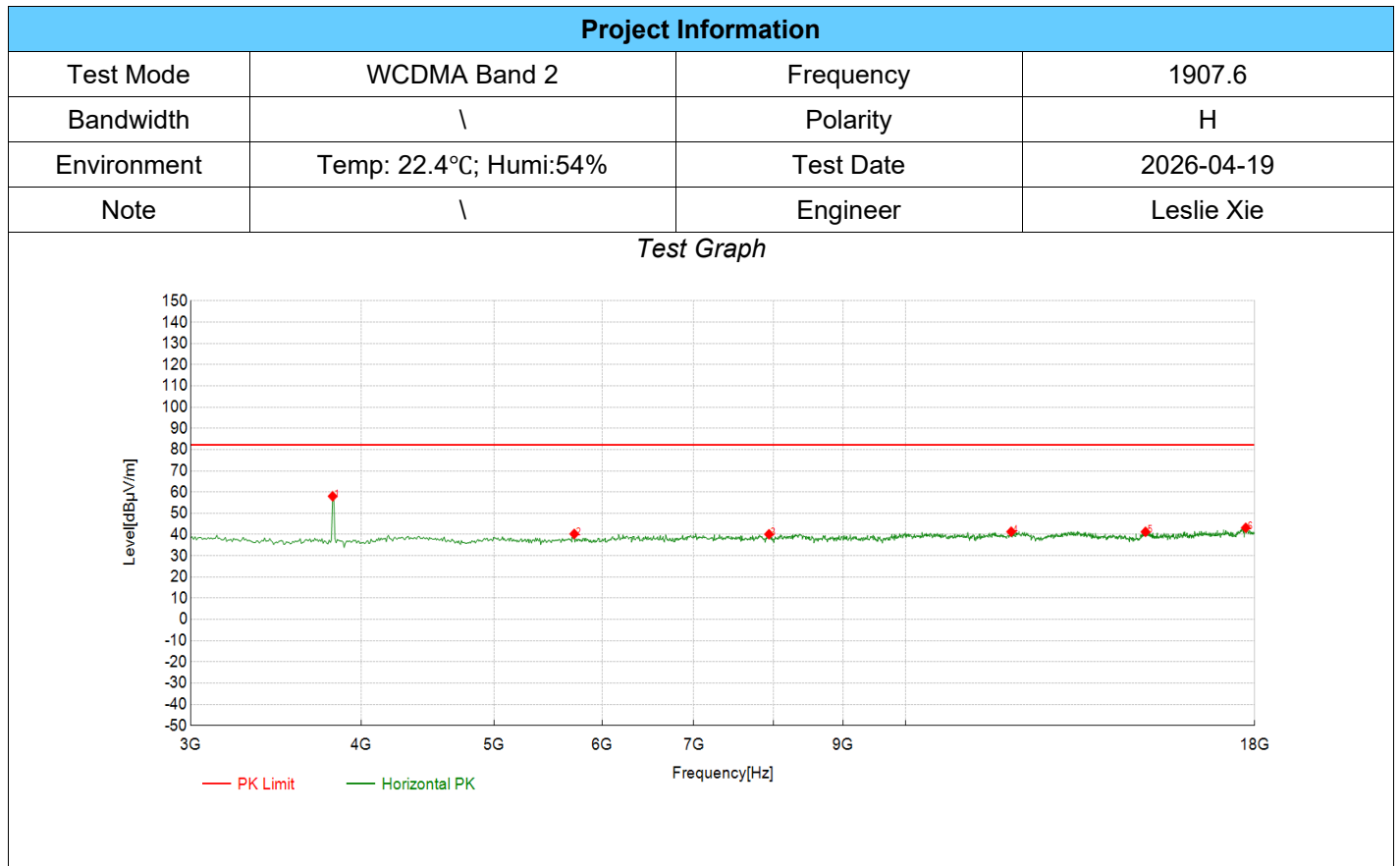
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 3757.88         | 75.52            | 56.42          | -19.10        | 82.25          | 25.83       | PK       | Vertical | PASS    |
| 2              | 5063.53         | 56.88            | 39.12          | -17.76        | 82.25          | 43.13       | PK       | Vertical | PASS    |
| 3              | 6519.26         | 56.07            | 39.89          | -16.18        | 82.25          | 42.36       | PK       | Vertical | PASS    |
| 4              | 9460.73         | 51.41            | 39.78          | -11.63        | 82.25          | 42.47       | PK       | Vertical | PASS    |
| 5              | 13107.55        | 53.32            | 42.14          | -11.18        | 82.25          | 40.11       | PK       | Vertical | PASS    |
| 6              | 17737.37        | 48.44            | 43.36          | -5.08         | 82.25          | 38.89       | PK       | Vertical | PASS    |

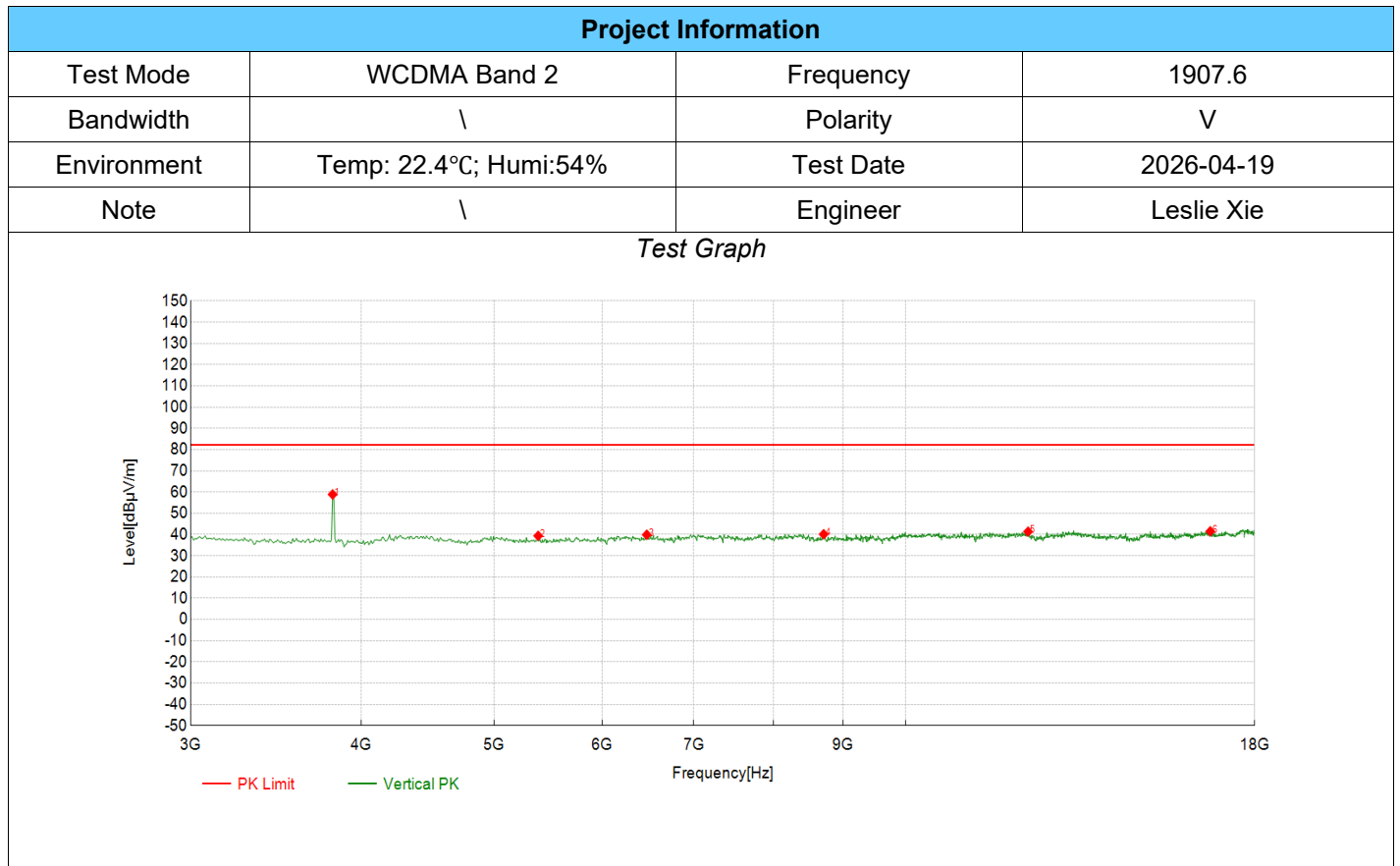
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 3810.41         | 77.20            | 58.03          | -19.17        | 82.25          | 24.22       | PK       | Horizontal | PASS    |
| 2              | 5723.86         | 57.57            | 40.29          | -17.28        | 82.25          | 41.96       | PK       | Horizontal | PASS    |
| 3              | 7944.97         | 55.11            | 40.14          | -14.97        | 82.25          | 42.11       | PK       | Horizontal | PASS    |
| 4              | 11944.47        | 51.14            | 41.34          | -9.80         | 82.25          | 40.91       | PK       | Horizontal | PASS    |
| 5              | 14975.99        | 50.60            | 41.28          | -9.32         | 82.25          | 40.97       | PK       | Horizontal | PASS    |
| 6              | 17729.86        | 48.26            | 43.19          | -5.07         | 82.25          | 39.06       | PK       | Horizontal | PASS    |

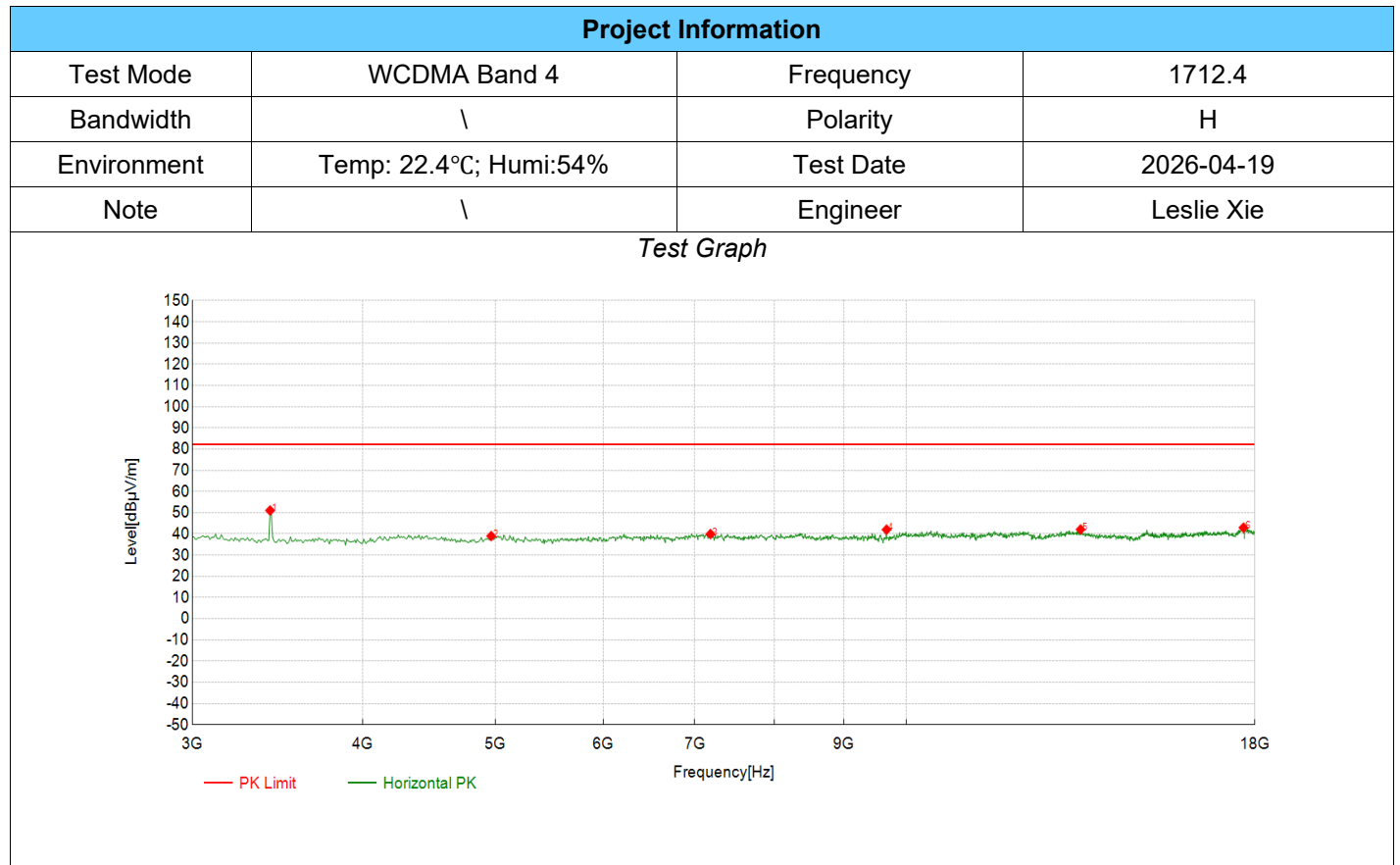
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 3810.41         | 78.07            | 58.90          | -19.17        | 82.25          | 23.35       | PK       | Vertical | PASS    |
| 2              | 5386.19         | 56.68            | 39.39          | -17.29        | 82.25          | 42.86       | PK       | Vertical | PASS    |
| 3              | 6466.73         | 56.16            | 39.92          | -16.24        | 82.25          | 42.33       | PK       | Vertical | PASS    |
| 4              | 8710.36         | 53.12            | 40.15          | -12.97        | 82.25          | 42.10       | PK       | Vertical | PASS    |
| 5              | 12289.64        | 51.70            | 41.37          | -10.33        | 82.25          | 40.88       | PK       | Vertical | PASS    |
| 6              | 16701.85        | 49.25            | 41.53          | -7.72         | 82.25          | 40.72       | PK       | Vertical | PASS    |

Note:(1)Level=Reading+Factor

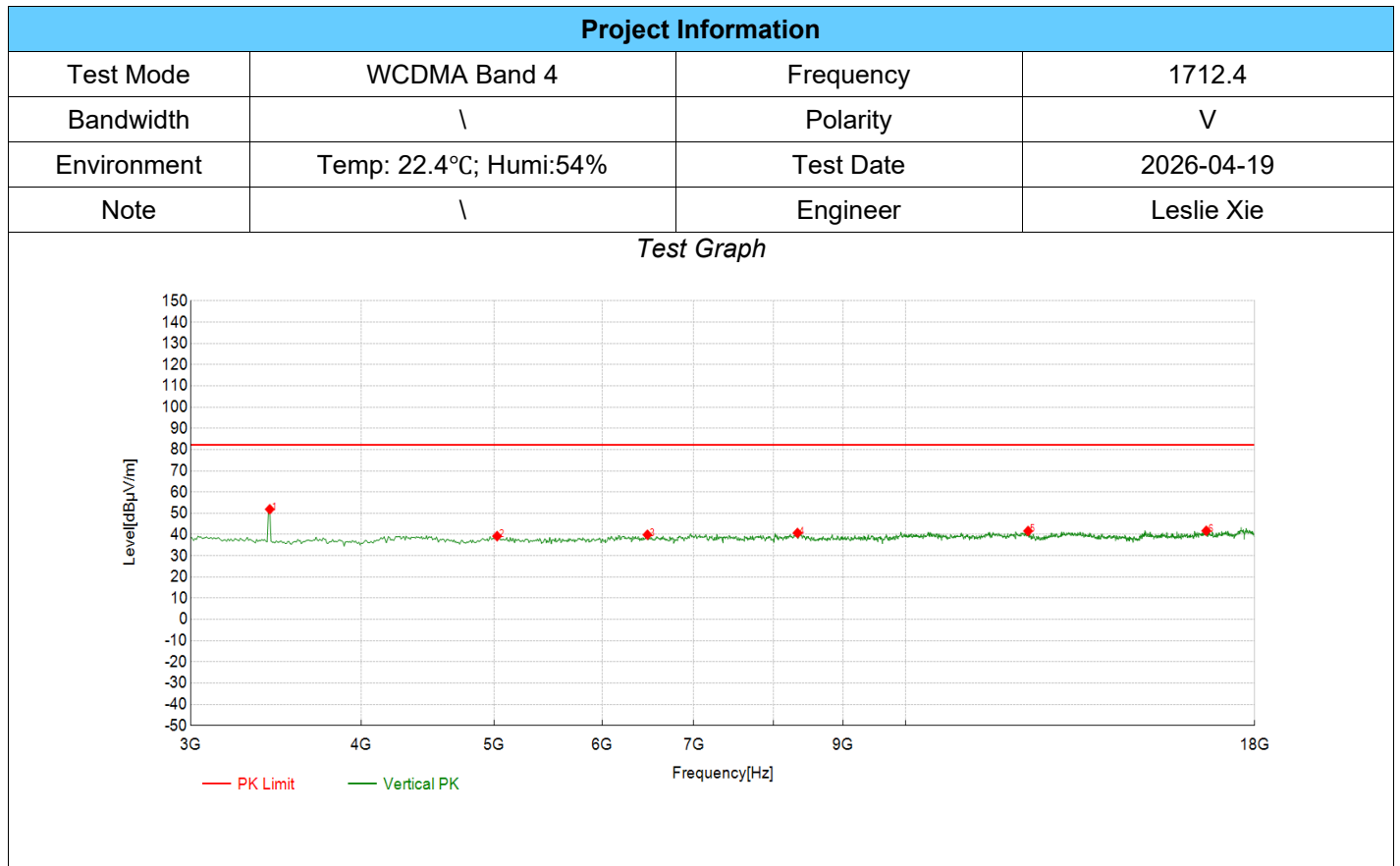
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 3420.21         | 69.88            | 51.07          | -18.81        | 82.25          | 31.18       | PK       | Horizontal | PASS    |
| 2              | 4965.98         | 56.70            | 39.00          | -17.70        | 82.25          | 43.25       | PK       | Horizontal | PASS    |
| 3              | 7187.09         | 55.17            | 39.96          | -15.21        | 82.25          | 42.29       | PK       | Horizontal | PASS    |
| 4              | 9670.84         | 54.20            | 42.01          | -12.19        | 82.25          | 40.24       | PK       | Horizontal | PASS    |
| 5              | 13415.21        | 53.51            | 42.11          | -11.40        | 82.25          | 40.14       | PK       | Horizontal | PASS    |
| 6              | 17654.83        | 47.99            | 42.96          | -5.03         | 82.25          | 39.29       | PK       | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

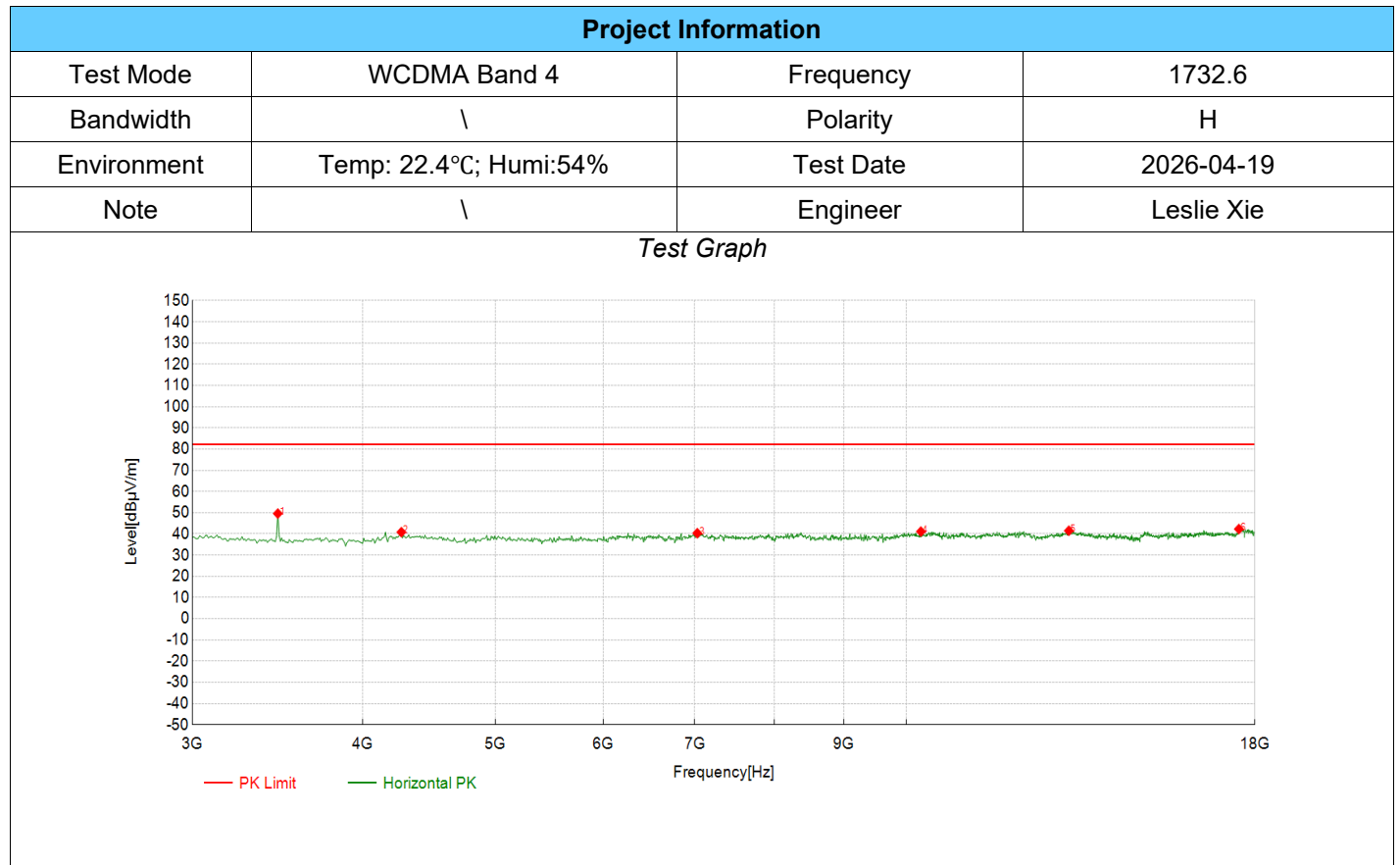
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 3427.71         | 70.73            | 51.91          | -18.82        | 82.25          | 30.34       | PK       | Vertical | PASS    |
| 2              | 5026.01         | 56.87            | 39.25          | -17.62        | 82.25          | 43.00       | PK       | Vertical | PASS    |
| 3              | 6474.24         | 56.13            | 39.90          | -16.23        | 82.25          | 42.35       | PK       | Vertical | PASS    |
| 4              | 8335.17         | 53.79            | 40.73          | -13.06        | 82.25          | 41.52       | PK       | Vertical | PASS    |
| 5              | 12289.64        | 52.00            | 41.67          | -10.33        | 82.25          | 40.58       | PK       | Vertical | PASS    |
| 6              | 16589.29        | 49.33            | 41.75          | -7.58         | 82.25          | 40.50       | PK       | Vertical | PASS    |

Note:(1)Level=Reading+Factor

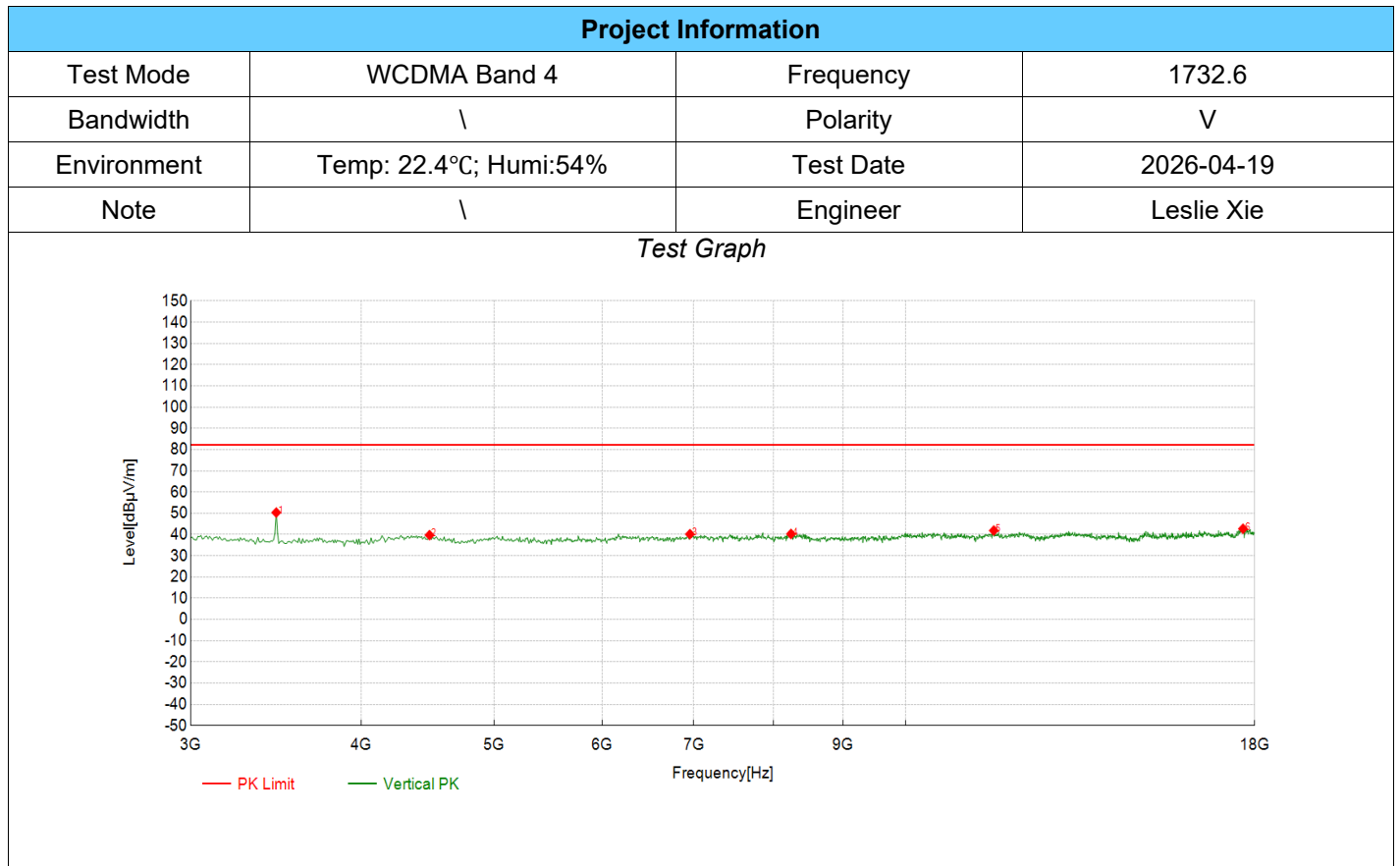
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 3465.23         | 68.48            | 49.62          | -18.86        | 82.25          | 32.63       | PK       | Horizontal | PASS    |
| 2              | 4268.13         | 58.51            | 40.85          | -17.66        | 82.25          | 41.40       | PK       | Horizontal | PASS    |
| 3              | 7029.51         | 55.23            | 40.36          | -14.87        | 82.25          | 41.89       | PK       | Horizontal | PASS    |
| 4              | 10248.62        | 52.03            | 41.11          | -10.92        | 82.25          | 41.14       | PK       | Horizontal | PASS    |
| 5              | 13152.58        | 52.50            | 41.50          | -11.00        | 82.25          | 40.75       | PK       | Horizontal | PASS    |
| 6              | 17519.76        | 48.48            | 42.30          | -6.18         | 82.25          | 39.95       | PK       | Horizontal | PASS    |

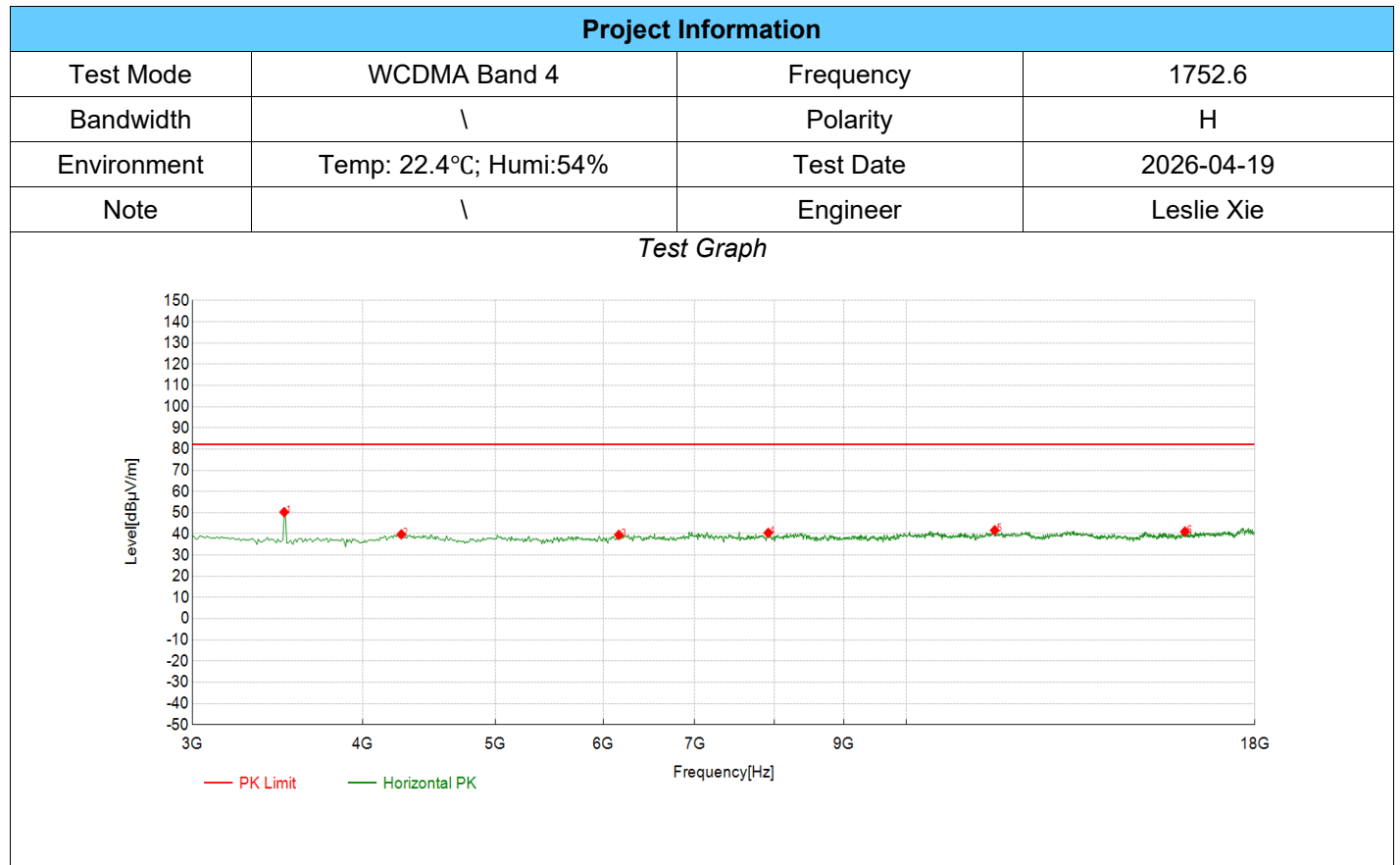
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 3465.23         | 69.23            | 50.37          | -18.86        | 82.25          | 31.88       | PK       | Vertical | PASS    |
| 2              | 4485.74         | 57.83            | 39.75          | -18.08        | 82.25          | 42.50       | PK       | Vertical | PASS    |
| 3              | 6954.48         | 55.23            | 40.21          | -15.02        | 82.25          | 42.04       | PK       | Vertical | PASS    |
| 4              | 8245.12         | 54.18            | 40.29          | -13.89        | 82.25          | 41.96       | PK       | Vertical | PASS    |
| 5              | 11599.30        | 50.49            | 41.90          | -8.59         | 82.25          | 40.35       | PK       | Vertical | PASS    |
| 6              | 17647.32        | 47.75            | 42.72          | -5.03         | 82.25          | 39.53       | PK       | Vertical | PASS    |

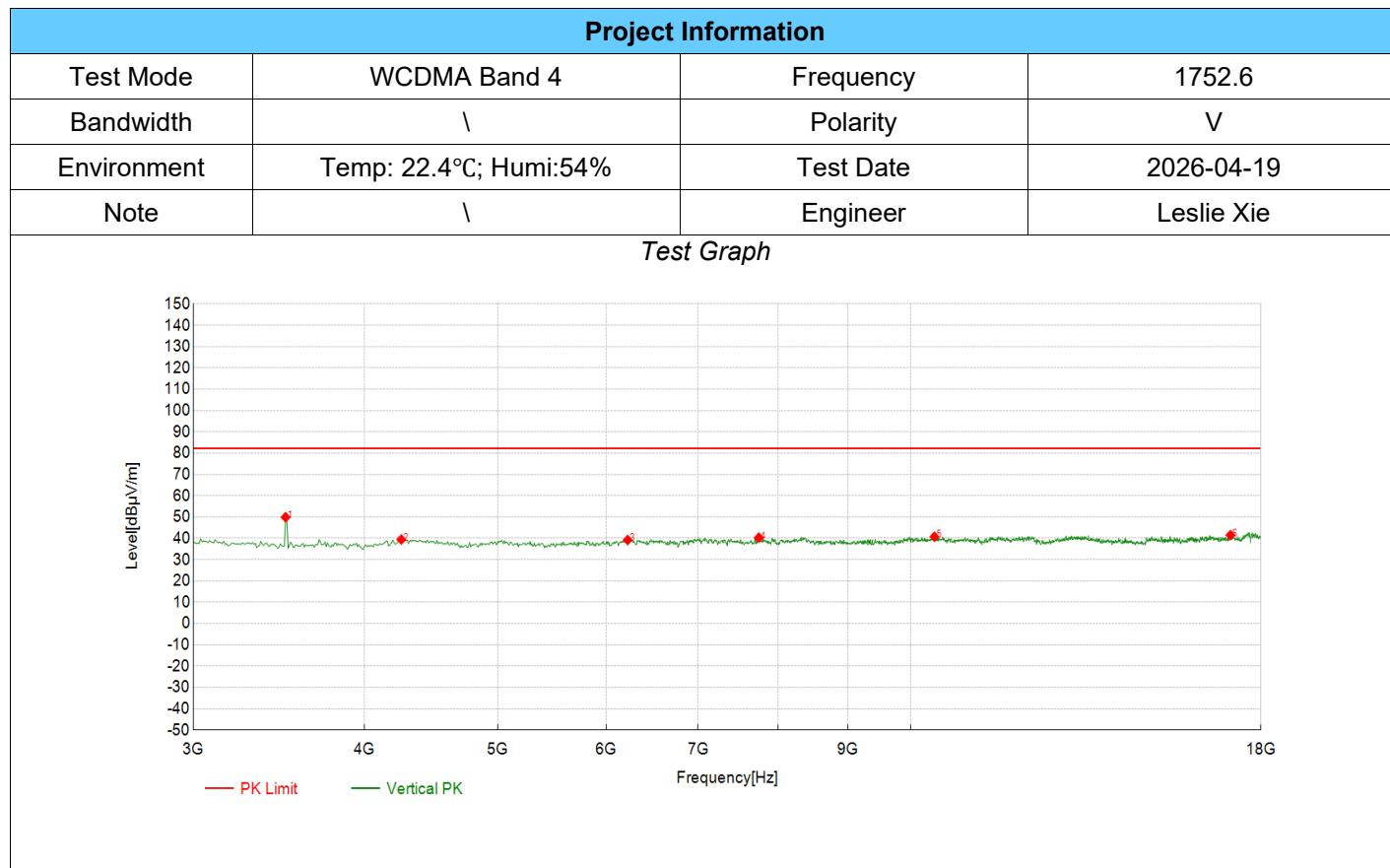
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 3502.75         | 69.19            | 50.29          | -18.90        | 82.25          | 31.96       | PK       | Horizontal | PASS    |
| 2              | 4268.13         | 57.46            | 39.80          | -17.66        | 82.25          | 42.45       | PK       | Horizontal | PASS    |
| 3              | 6159.08         | 55.99            | 39.56          | -16.43        | 82.25          | 42.69       | PK       | Horizontal | PASS    |
| 4              | 7922.46         | 55.42            | 40.47          | -14.95        | 82.25          | 41.78       | PK       | Horizontal | PASS    |
| 5              | 11606.80        | 50.37            | 41.72          | -8.65         | 82.25          | 40.53       | PK       | Horizontal | PASS    |
| 6              | 15996.50        | 49.32            | 41.09          | -8.23         | 82.25          | 41.16       | PK       | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

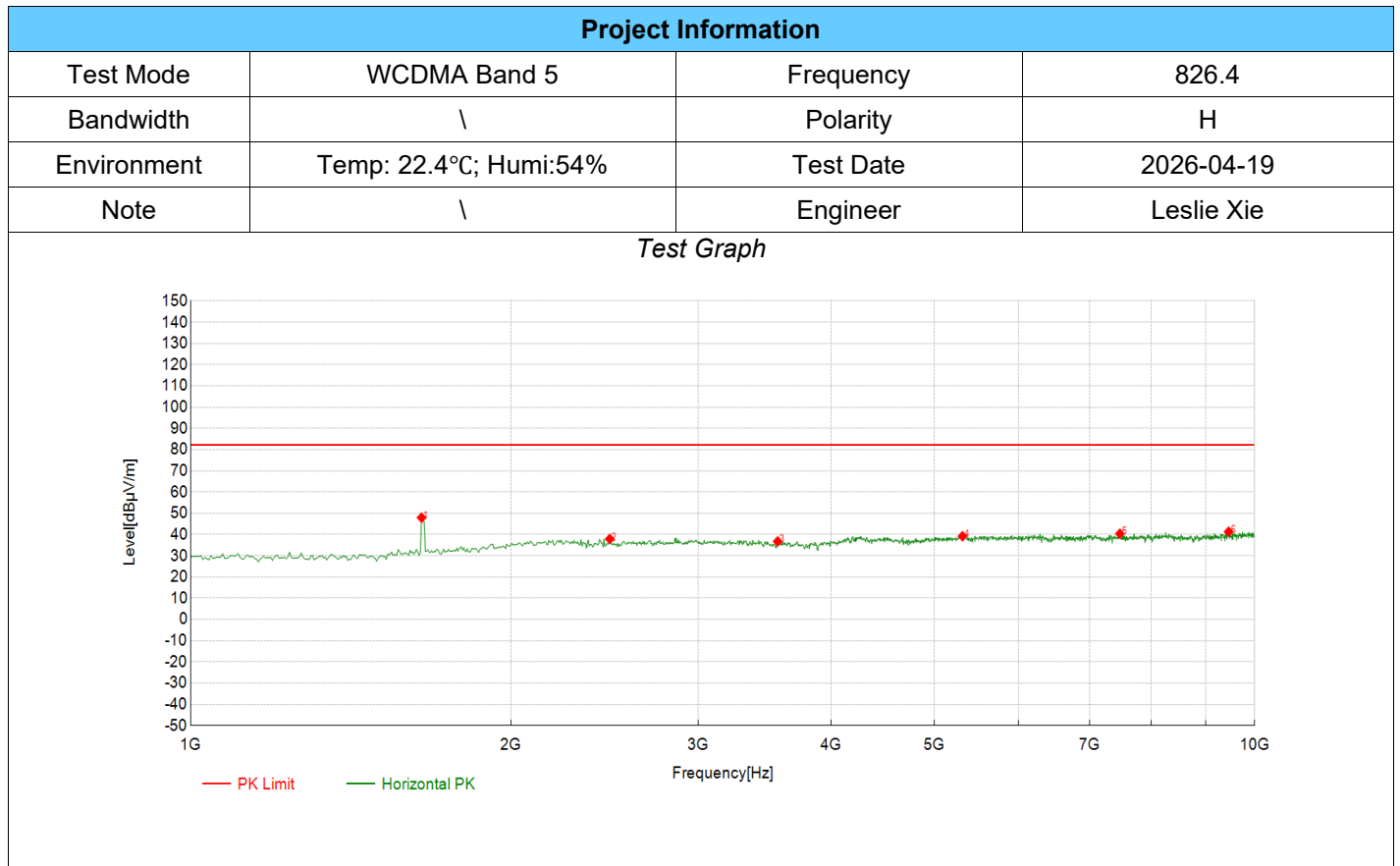
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 3502.75         | 68.83            | 49.93          | -18.90        | 82.25          | 32.32       | PK       | Vertical | PASS    |
| 2              | 4253.13         | 57.08            | 39.45          | -17.63        | 82.25          | 42.80       | PK       | Vertical | PASS    |
| 3              | 6219.11         | 55.48            | 39.24          | -16.24        | 82.25          | 43.01       | PK       | Vertical | PASS    |
| 4              | 7749.87         | 55.34            | 40.31          | -15.03        | 82.25          | 41.94       | PK       | Vertical | PASS    |
| 5              | 10406.20        | 50.40            | 40.78          | -9.62         | 82.25          | 41.47       | PK       | Vertical | PASS    |
| 6              | 17099.55        | 48.64            | 41.53          | -7.11         | 82.25          | 40.72       | PK       | Vertical | PASS    |

Note:(1)Level=Reading+Factor

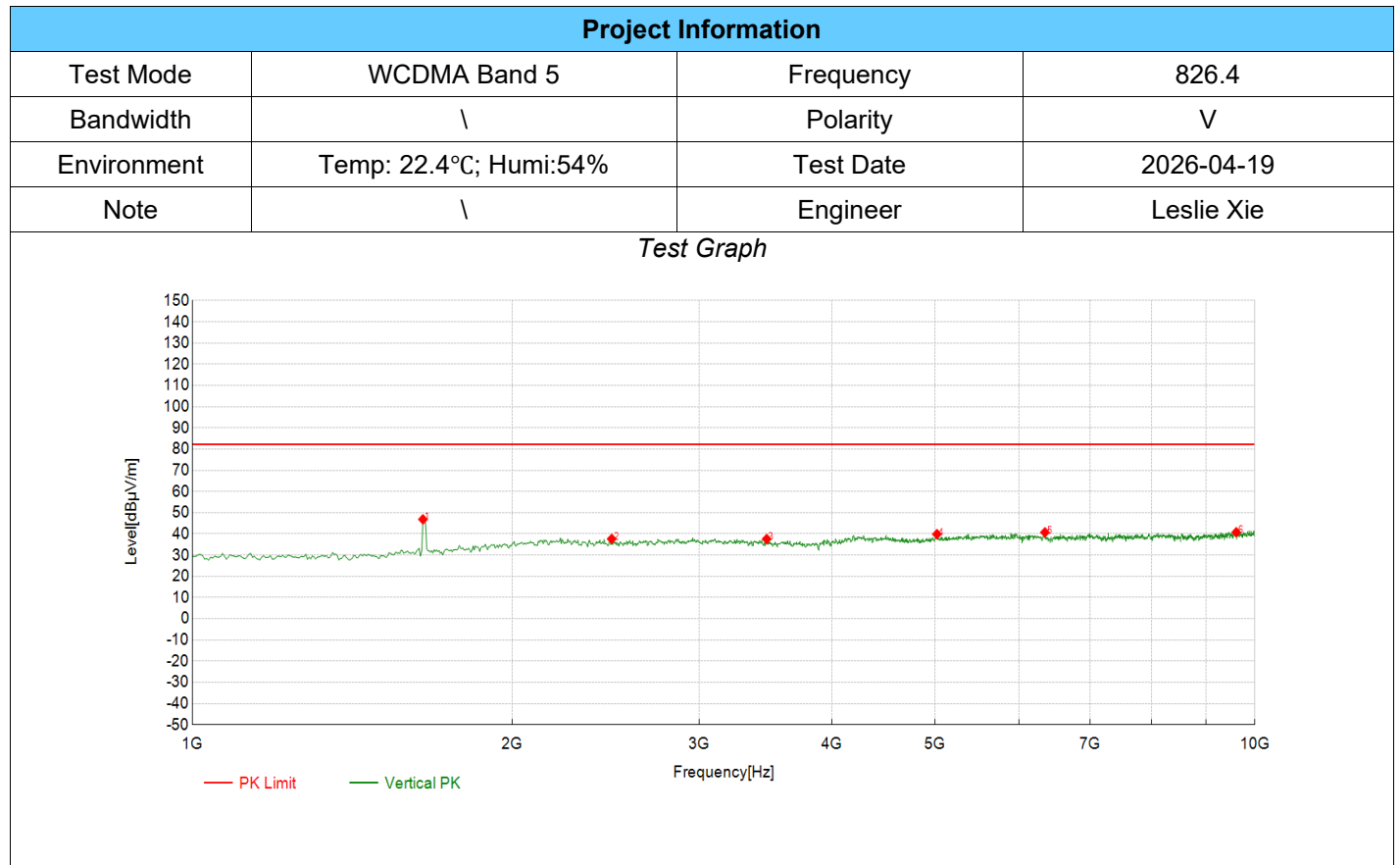
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 1648.32         | 71.42            | 47.98          | -23.44        | 82.25          | 34.27       | PK       | Horizontal | PASS    |
| 2              | 2476.74         | 57.96            | 37.93          | -20.03        | 82.25          | 44.32       | PK       | Horizontal | PASS    |
| 3              | 3561.78         | 56.55            | 36.77          | -19.78        | 82.25          | 45.48       | PK       | Horizontal | PASS    |
| 4              | 5313.16         | 55.68            | 39.22          | -16.46        | 82.25          | 43.03       | PK       | Horizontal | PASS    |
| 5              | 7469.73         | 55.49            | 40.42          | -15.07        | 82.25          | 41.83       | PK       | Horizontal | PASS    |
| 6              | 9450.73         | 51.61            | 41.33          | -10.28        | 82.25          | 40.92       | PK       | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

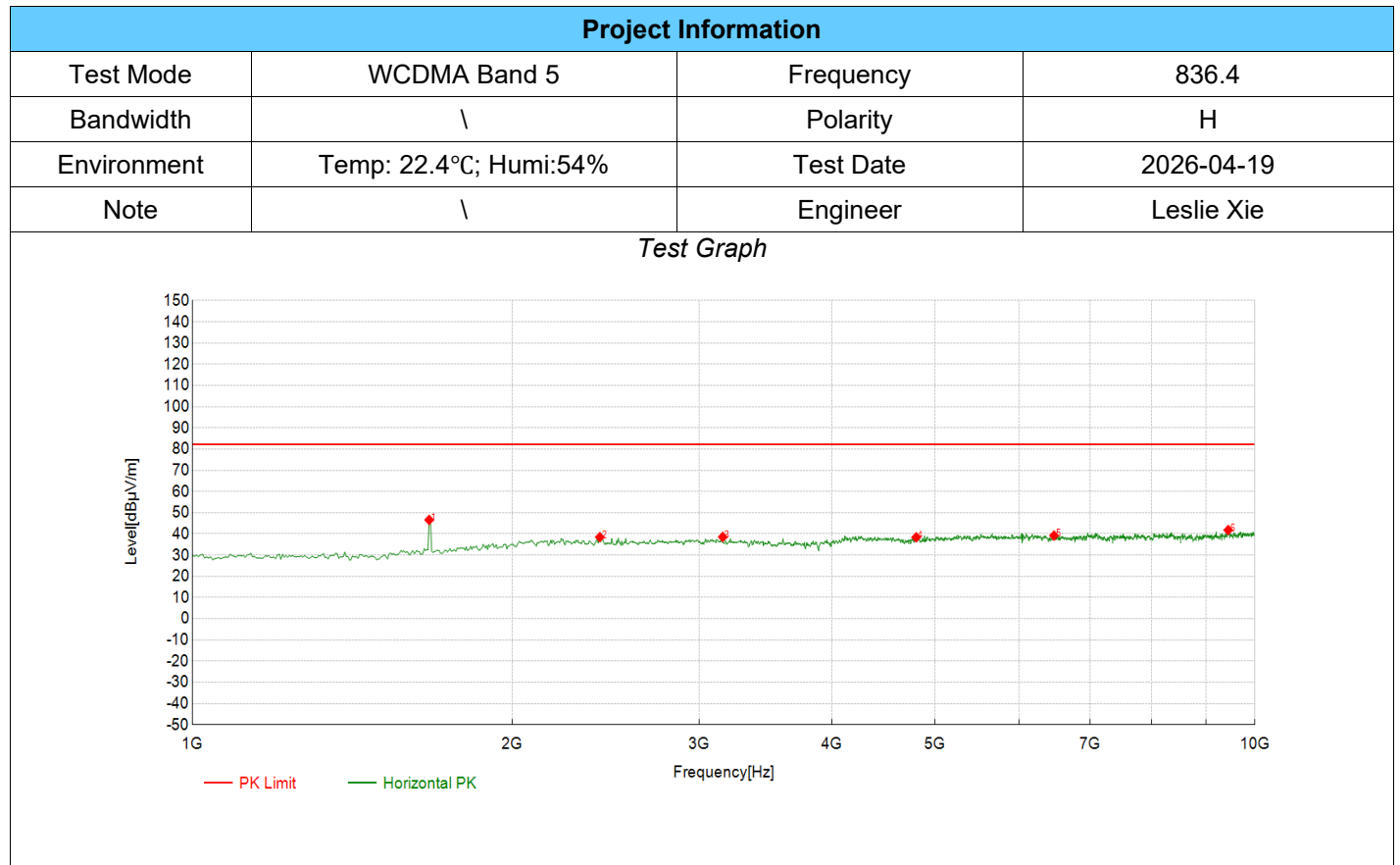
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 1648.32         | 70.32            | 46.88          | -23.44        | 82.25          | 35.37       | PK       | Vertical | PASS    |
| 2              | 2481.24         | 57.69            | 37.66          | -20.03        | 82.25          | 44.59       | PK       | Vertical | PASS    |
| 3              | 3471.74         | 57.15            | 37.61          | -19.54        | 82.25          | 44.64       | PK       | Vertical | PASS    |
| 4              | 5020.51         | 57.13            | 39.90          | -17.23        | 82.25          | 42.35       | PK       | Vertical | PASS    |
| 5              | 6344.17         | 56.77            | 40.74          | -16.03        | 82.25          | 41.51       | PK       | Vertical | PASS    |
| 6              | 9603.80         | 51.56            | 40.81          | -10.75        | 82.25          | 41.44       | PK       | Vertical | PASS    |

Note:(1)Level=Reading+Factor

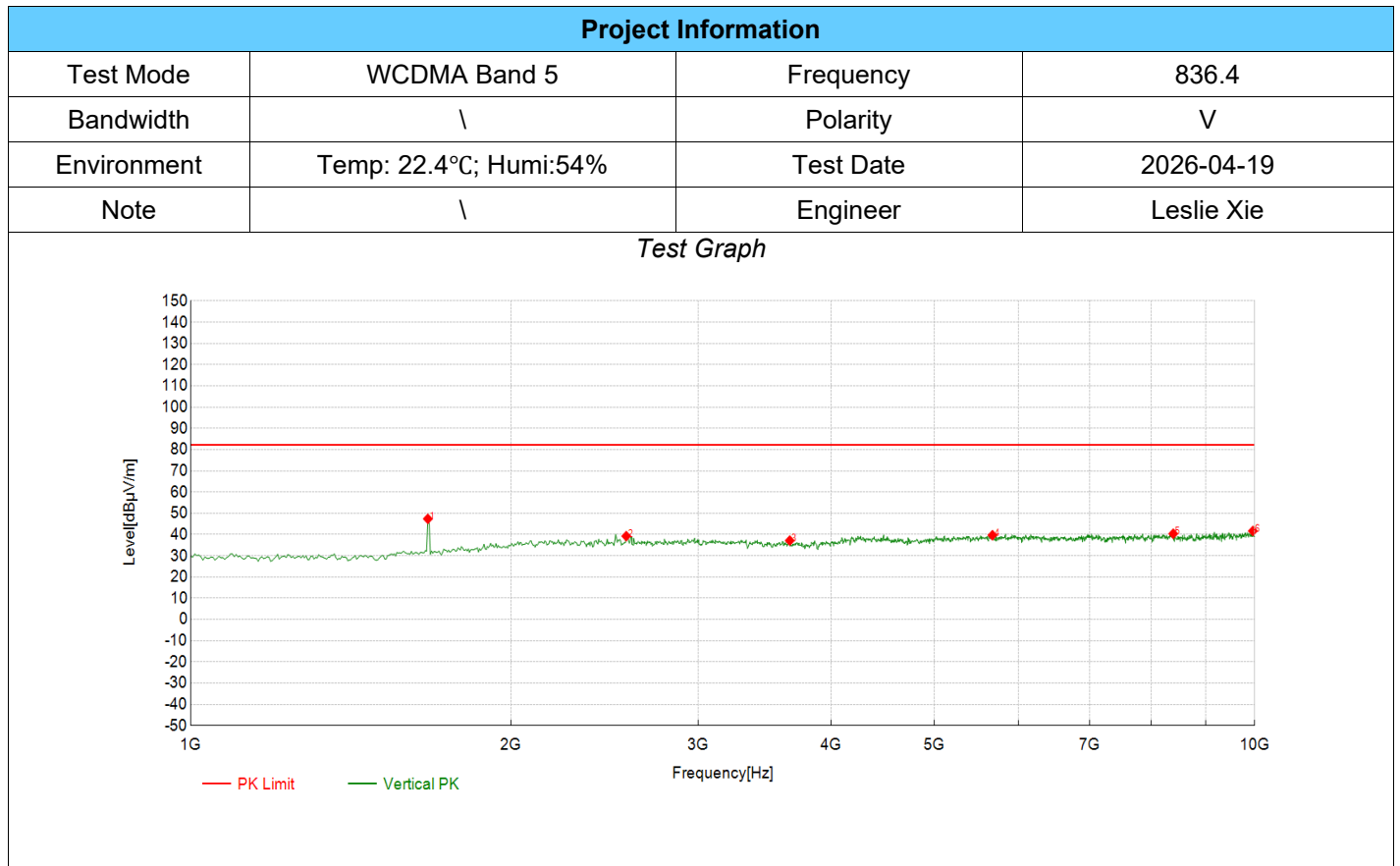
(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 1670.84         | 69.91            | 46.62          | -23.29        | 82.25          | 35.63       | PK       | Horizontal | PASS    |
| 2              | 2418.21         | 58.54            | 38.50          | -20.04        | 82.25          | 43.75       | PK       | Horizontal | PASS    |
| 3              | 3156.58         | 57.93            | 38.60          | -19.33        | 82.25          | 43.65       | PK       | Horizontal | PASS    |
| 4              | 4799.90         | 56.53            | 38.41          | -18.12        | 82.25          | 43.84       | PK       | Horizontal | PASS    |
| 5              | 6470.24         | 55.16            | 39.23          | -15.93        | 82.25          | 43.02       | PK       | Horizontal | PASS    |
| 6              | 9437.22         | 52.05            | 41.82          | -10.23        | 82.25          | 40.43       | PK       | Horizontal | PASS    |

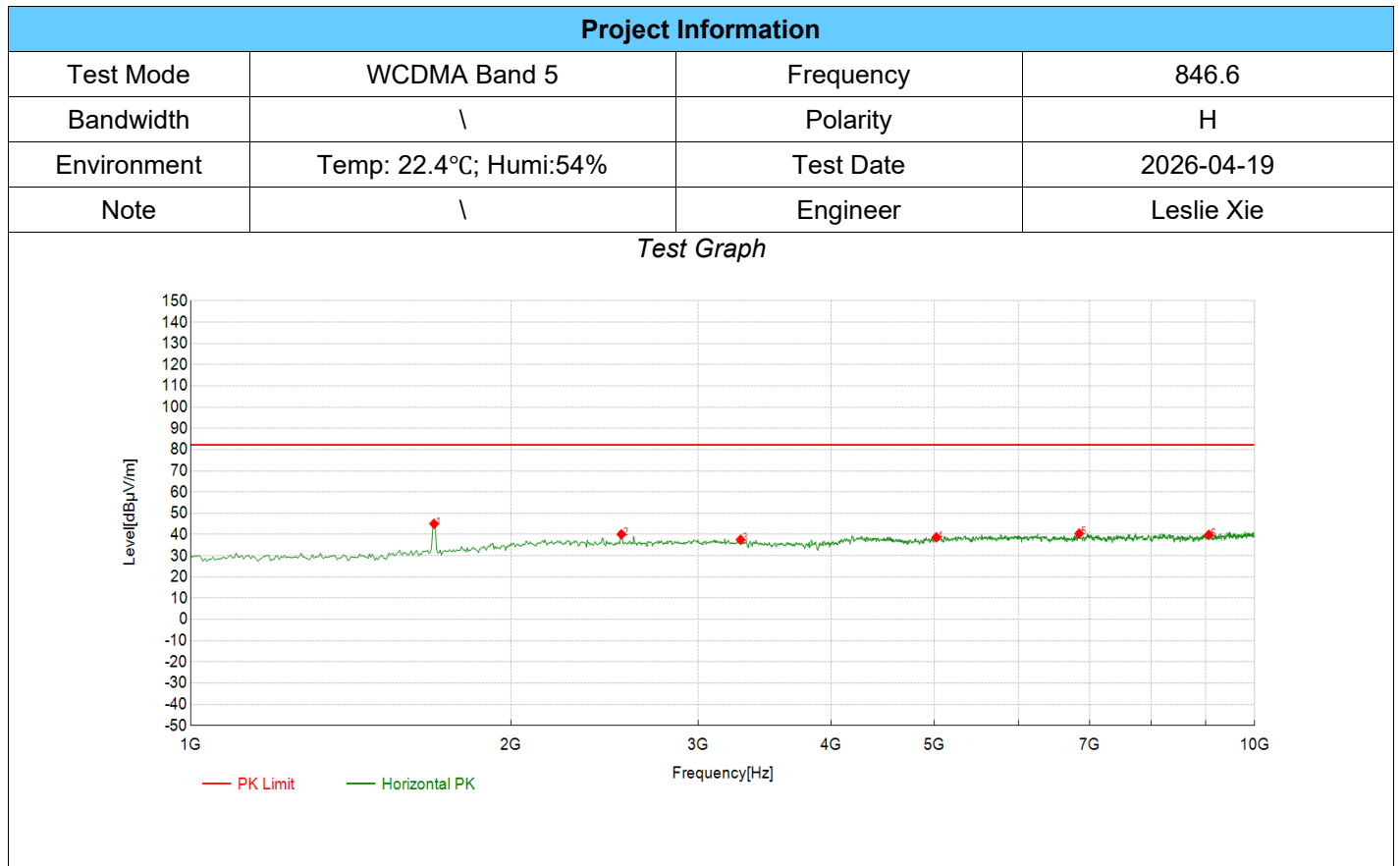
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 1670.84         | 70.69            | 47.40          | -23.29        | 82.25          | 34.85       | PK       | Vertical | PASS    |
| 2              | 2566.78         | 59.20            | 39.27          | -19.93        | 82.25          | 42.98       | PK       | Vertical | PASS    |
| 3              | 3656.33         | 57.10            | 37.16          | -19.94        | 82.25          | 45.09       | PK       | Vertical | PASS    |
| 4              | 5668.83         | 55.50            | 39.70          | -15.80        | 82.25          | 42.55       | PK       | Vertical | PASS    |
| 5              | 8383.69         | 53.41            | 40.38          | -13.03        | 82.25          | 41.87       | PK       | Vertical | PASS    |
| 6              | 9959.48         | 52.08            | 41.69          | -10.39        | 82.25          | 40.56       | PK       | Vertical | PASS    |

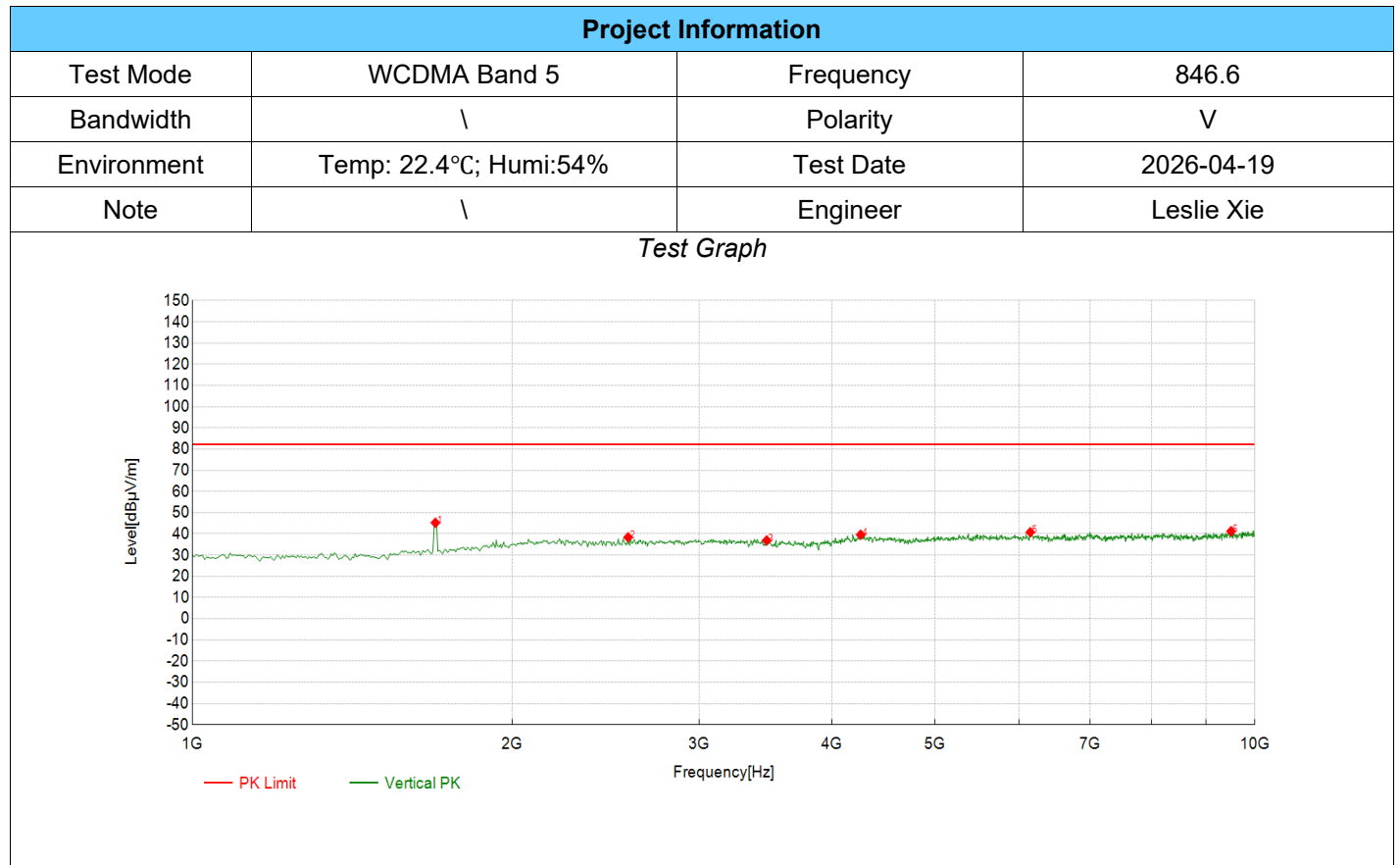
Note:(1)Level=Reading+Factor  
 (2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |            |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|------------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Verdict |
| 1              | 1693.35         | 68.20            | 45.08          | -23.12        | 82.25          | 37.17       | PK       | Horizontal | PASS    |
| 2              | 2539.77         | 60.07            | 40.10          | -19.97        | 82.25          | 42.15       | PK       | Horizontal | PASS    |
| 3              | 3287.14         | 56.88            | 37.55          | -19.33        | 82.25          | 44.70       | PK       | Horizontal | PASS    |
| 4              | 5020.51         | 55.96            | 38.73          | -17.23        | 82.25          | 43.52       | PK       | Horizontal | PASS    |
| 5              | 6839.42         | 55.57            | 40.46          | -15.11        | 82.25          | 41.79       | PK       | Horizontal | PASS    |
| 6              | 9054.53         | 51.55            | 39.85          | -11.70        | 82.25          | 42.40       | PK       | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level



| PEAK Data List |                 |                  |                |               |                |             |          |          |         |
|----------------|-----------------|------------------|----------------|---------------|----------------|-------------|----------|----------|---------|
| NO.            | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Verdict |
| 1              | 1693.35         | 68.40            | 45.28          | -23.12        | 82.25          | 36.97       | PK       | Vertical | PASS    |
| 2              | 2571.29         | 58.33            | 38.41          | -19.92        | 82.25          | 43.84       | PK       | Vertical | PASS    |
| 3              | 3471.74         | 56.48            | 36.94          | -19.54        | 82.25          | 45.31       | PK       | Vertical | PASS    |
| 4              | 4255.13         | 57.24            | 39.65          | -17.59        | 82.25          | 42.60       | PK       | Vertical | PASS    |
| 5              | 6146.07         | 56.56            | 40.82          | -15.74        | 82.25          | 41.43       | PK       | Vertical | PASS    |
| 6              | 9495.75         | 51.70            | 41.27          | -10.43        | 82.25          | 40.98       | PK       | Vertical | PASS    |

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Remark: All the modulation have been tested at low, middle, high channels, only the worst modulation show in the test report.

**END OF REPORT**