

# TEST REPORT

**Applicant:** Cellslink Intelligence Technology Co, Ltd  
**Address:** 3rd Floor, Building 1, No. 3560, Waqingsong Road,  
Baihe Town, Qingpu District, Shanghai  
**Equipment Type:** TC10E-GE  
**Model Name:** TC10E-GE  
**Brand Name:** Cellslink  
**FCC ID:** 2BSX3-TC10E-GE  
**Test Standard:** 47 CFR Part 2.1091  
KDB 447498 D04 v01  
**Sample Arrival Date:** N/A  
**Test Date:** N/A  
**Date of Issue:** May 26, 2026

## ISSUED BY:

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**Revision History**

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

|         |                                                                                               |
|---------|-----------------------------------------------------------------------------------------------|
| Name    | Shanghai Tejet Communications Technology Co., Ltd. Testing Center                             |
| Address | 1-2/F., Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai, China |

## 1.2 Test Location

|                           |                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shanghai Tejet Communications Technology Co., Ltd. Testing Center                                                                                                                                                                                                                                               |
| Location                  | 1-2/F., Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai, China                                                                                                                                                                                                                   |
| Accreditation Certificate | <p>The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352.</p> <p>The laboratory is a testing organization accredited by ISED as a accredited testing laboratory. The company number is 29671 and CAB identifier number is CN0142.</p> |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                                          |
|-----------|------------------------------------------------------------------------------------------|
| Applicant | Cellslink Intelligence Technology Co, Ltd                                                |
| Address   | 3rd Floor, Building 1, No. 3560, Waiqingsong Road, Baihe Town, Qingpu District, Shanghai |

### 2.2 Manufacturer Information

|              |                                                                                          |
|--------------|------------------------------------------------------------------------------------------|
| Manufacturer | Cellslink Intelligence Technology Co, Ltd                                                |
| Address      | 3rd Floor, Building 1, No. 3560, Waiqingsong Road, Baihe Town, Qingpu District, Shanghai |

### 2.3 General Description for Equipment under Test (EUT)

|                                           |          |
|-------------------------------------------|----------|
| EUT Name                                  | TC10E-GE |
| Model Name Under Test                     | TC10E-GE |
| Series Model Name                         | N/A      |
| Description of Model name differentiation | N/A      |
| Hardware Version                          | V1.2     |
| Software Version                          | N/A      |
| Dimensions (Approx.)                      | N/A      |
| Weight (Approx.)                          | N/A      |

### 2.4 Technical Information

|                                   |                                                                                           |
|-----------------------------------|-------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | 4G Network LTE FDD Band 2/4/5/12/13/14/17/25/26/66/71<br>BDS, GPS, GLONASS, Galileo, QZSS |
|-----------------------------------|-------------------------------------------------------------------------------------------|

The requirement for the following technical information of the EUT was tested in this report:

|                 |         |                     |                     |
|-----------------|---------|---------------------|---------------------|
| Operating Mode  | LTE     |                     |                     |
| Frequency Range | LTE B2  | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
|                 | LTE B4  | TX: 1710 ~ 1755 MHz | RX: 2110 ~ 2155 MHz |
|                 | LTE B5  | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
|                 | LTE B12 | TX: 699 ~ 716 MHz   | RX: 729 ~ 746 MHz   |
|                 | LTE B13 | TX: 777 ~ 787 MHz   | RX: 746 ~ 756 MHz   |
|                 | LTE B14 | TX: 788 ~ 798 MHz   | RX: 758 ~ 768 MHz   |
|                 | LTE B17 | TX: 704 ~ 716 MHz   | RX: 746 ~ 756 MHz   |
|                 | LTE B25 | TX: 1850 ~ 1915 MHz | RX: 1930 ~ 1995 MHz |
|                 | LTE B26 | TX: 814 ~ 849 MHz   | RX: 859 ~ 894 MHz   |

|                   |                                          |                     |                     |
|-------------------|------------------------------------------|---------------------|---------------------|
|                   | LTE B66                                  | TX: 1710 ~ 1780 MHz | RX: 2110 ~ 2180 MHz |
|                   | LTE B71                                  | TX: 663 ~ 698 MHz   | RX: 617 ~ 652 MHz   |
| Antenna Type      | WWAN                                     | PIFA Antenna        |                     |
| Exposure Category | General Population/Uncontrolled Exposure |                     |                     |
| Product Type      | Mobile Device                            |                     |                     |

### 3 SUMMARY OF TEST RESULT

#### 3.1 Test Standards

| No. | Identity           | Document Title                                      |
|-----|--------------------|-----------------------------------------------------|
| 1   | KDB 447498 D04 v01 | 447498 D04 Interim General RF Exposure Guidance v01 |

#### 3.2 Limit Standards

| No. | Identity           | Document Title                                               |
|-----|--------------------|--------------------------------------------------------------|
| 1   | 47 CFR Part 2.1091 | Radiofrequency radiation exposure evaluation: mobile devices |

## 4 DEVICE CATEGORY AND LEVELS LIMITS

### Mobile Devices:

CFR Title 47 §2.1091(b)

For purposes of this section, a mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons.

### FCC KDB 447498 D04 General RF Exposure Guidance v01 Limit

Evaluation of compliance with the exposure limits in § 1.1310 is necessary if the ERP of the device is greater than ERP<sub>20cm</sub> in Formula (B.1) [repeated from § 2.1091(c)(1) and § 1.1307(b)(1)(i)(B)].

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

If the ERP is not easily obtained, then the available maximum time-averaged power may be used (i. e., without consideration of ERP only if the physical dimensions of the radiating structure(s) do not exceed the electrical length of  $\lambda/4$  or if the antenna gain is less than that of a half-wave dipole.

SAR-based exemptions are constant at separation distances between 20 cm and 40 cm to avoid discontinuities in the threshold when transitioning between SAR-based and MPE-based exemption criteria at 40 cm, considering the importance of reflections.

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold  $P_{th}$  (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by Formula (B.2).

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and  $f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20 \text{ cm}}$  is per Formula (B.1).  
The example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

| Frequency (MHz) | Distance (mm) |    |    |    |     |     |     |     |     |     |     |
|-----------------|---------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|                 |               | 5  | 10 | 15 | 20  | 25  | 30  | 35  | 40  | 45  | 50  |
| 300             |               | 39 | 65 | 88 | 110 | 129 | 148 | 166 | 184 | 201 | 217 |
| 450             |               | 22 | 44 | 67 | 89  | 112 | 135 | 158 | 180 | 203 | 226 |
| 835             |               | 9  | 25 | 44 | 66  | 90  | 116 | 145 | 175 | 207 | 240 |
| 1900            |               | 3  | 12 | 26 | 44  | 66  | 92  | 122 | 157 | 195 | 236 |
| 2450            |               | 3  | 10 | 22 | 38  | 59  | 83  | 111 | 143 | 179 | 219 |
| 3600            |               | 2  | 8  | 18 | 32  | 49  | 71  | 96  | 125 | 158 | 195 |
| 5800            |               | 1  | 6  | 14 | 25  | 40  | 58  | 80  | 106 | 136 | 169 |

## 5 ASSESSMENT RESULT

### 5.1 Output Power

| LTE                                                                                                                                 |        |        |        |         |         |         |
|-------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|---------|---------|---------|
| Mode                                                                                                                                | Band 2 | Band 4 | Band 5 | Band 12 | Band 13 | Band 14 |
| Conducted Power (dBm)                                                                                                               | 23.19  | 22.98  | 23.13  | 22.69   | 23.14   | 22.94   |
| Antenna Gain (dBi)                                                                                                                  | 1.34   | 1.29   | -1.65  | -1.39   | -3.67   | -3.50   |
| EIRP/ERP (dBm)                                                                                                                      | 24.53  | 24.27  | 19.33  | 19.15   | 17.32   | 17.29   |
| Note: This table listed the worst case conducted power value, please refer to RF test report No.Ti-CC26050008-501 for more details. |        |        |        |         |         |         |

| LTE                                                                                                                                 |         |         |         |         |         |
|-------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
| Mode                                                                                                                                | Band 17 | Band 25 | Band 26 | Band 66 | Band 71 |
| Conducted Power (dBm)                                                                                                               | 22.83   | 23.10   | 23.11   | 23.04   | 22.99   |
| Antenna Gain (dBi)                                                                                                                  | -1.54   | 1.40    | -1.55   | 1.29    | -1.52   |
| EIRP/ERP (dBm)                                                                                                                      | 19.14   | 24.50   | 19.41   | 24.33   | 19.32   |
| Note: This table listed the worst case conducted power value, please refer to RF test report No.Ti-CC26050008-501 for more details. |         |         |         |         |         |

## 5.2 Tune-up power

| Mode                                                                                                                          | Conducted Power Range (dBm) |       | EIRP Range (dBm) |       | ERP Range (dBm) |       |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------|------------------|-------|-----------------|-------|
| LTE Band 2                                                                                                                    | 22.00                       | 24.00 | 23.34            | 25.34 | 21.19           | 23.19 |
| LTE Band 4                                                                                                                    | 22.00                       | 24.00 | 23.29            | 25.29 | 21.14           | 23.14 |
| LTE Band 5                                                                                                                    | 22.00                       | 24.00 | /                | /     | 18.20           | 20.20 |
| LTE Band 12                                                                                                                   | 22.00                       | 24.00 | /                | /     | 18.46           | 20.46 |
| LTE Band 13                                                                                                                   | 22.00                       | 24.00 | /                | /     | 16.18           | 18.18 |
| LTE Band 14                                                                                                                   | 22.00                       | 24.00 | /                | /     | 16.35           | 18.35 |
| LTE Band 17                                                                                                                   | 22.00                       | 24.00 | /                | /     | 18.31           | 20.31 |
| LTE Band 25                                                                                                                   | 22.00                       | 24.00 | 23.40            | 25.40 | 21.25           | 23.25 |
| LTE Band 26                                                                                                                   | 22.00                       | 24.00 | /                | /     | 18.24           | 20.24 |
| LTE Band 66                                                                                                                   | 22.00                       | 24.00 | 23.29            | 25.29 | 21.14           | 23.14 |
| LTE Band 71                                                                                                                   | 22.00                       | 24.00 | /                | /     | 18.33           | 20.33 |
| Note1: ERP= EIRP -2.15dB.                                                                                                     |                             |       |                  |       |                 |       |
| Note2: According KDB 447498 D04, used the greater of maximum conducted power and ERP to compare with the threshold value Pth. |                             |       |                  |       |                 |       |

### 5.3 RF Exposure Evaluation Result

| Evolution mode |         | Frequency (MHz) | Distance (cm) | Maximum power Tune up(dBm) | Maximum power (mw) | Threshold Power (mW) | Verdict |
|----------------|---------|-----------------|---------------|----------------------------|--------------------|----------------------|---------|
| LTE            | Band 2  | 1850            | 20            | 24.00                      | 251.19             | 3060.00              | Pass    |
|                | Band 4  | 1710            | 20            | 24.00                      | 251.19             | 3060.00              | Pass    |
|                | Band 5  | 824             | 20            | 24.00                      | 251.19             | 1680.96              | Pass    |
|                | Band 12 | 699             | 20            | 24.00                      | 251.19             | 1425.96              | Pass    |
|                | Band 13 | 777             | 20            | 24.00                      | 251.19             | 1585.08              | Pass    |
|                | Band 14 | 788             | 20            | 24.00                      | 251.19             | 1607.52              | Pass    |
|                | Band 17 | 704             | 20            | 24.00                      | 251.19             | 1436.16              | Pass    |
|                | Band 25 | 1850            | 20            | 24.00                      | 251.19             | 3060.00              | Pass    |
|                | Band 26 | 814             | 20            | 24.00                      | 251.19             | 1660.56              | Pass    |
|                | Band 66 | 1710            | 20            | 24.00                      | 251.19             | 3060.00              | Pass    |
|                | Band 71 | 2572.5          | 20            | 24.00                      | 251.19             | 3060.00              | Pass    |

### 5.4 Conclusion

This EUT is deemed to comply with the reference level limits, therefore the basic restrictions are compliant with human exposure limits.

## Statement

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--END OF REPORT--