TEST REPORT

Applicant:	Shanghai Yuge Information Technology Co.,Ltd.
Address:	Room 204-1, No. 6, Lane 88, Shengrong Road, China (Shanghai) pilot Free Trade Zone
Equipment Type:	4G LTE Wireless Communication Module
Model Name:	CLM920 JC3
Brand Name:	N/A
FCC ID:	2BG5S-CLM920-JC3
Test Standard:	47 CFR Part 2.1091 KDB 447498 D04 v01
Sample Arrival Date:	Feb. 04, 2026
Test Date:	Mar. 12, 2026
Date of Issue:	Mar. 13, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining	**Checked by:** Xu Rui	**Approved by:** Tolan Tu (Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Mar. 13, 2026	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☑ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shanghai Yuge Information Technology Co.,Ltd.
Address	Room 204-1, No. 6, Lane 88, Shengrong Road, China (Shanghai) pilot Free Trade Zone

2.2 Manufacturer Information

Manufacturer	Shanghai Yuge Information Technology Co.,Ltd.
Address	Room 204-1, No. 6, Lane 88, Shengrong Road, China (Shanghai) pilot Free Trade Zone

2.3 General Description for Equipment under Test (EUT)

EUT Name	4G LTE Wireless Communication Module
Model Name Under Test	CLM920 JC3
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/66 TDD LTE Band 38/41

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

Operating Mode	WWAN		
Frequency Range	WCDMA B2	Tx: 1850 ~ 1910 MHz	Rx: 1930 ~ 1990 MHz
	WCDMA B4	Tx: 1710 ~ 1755 MHz	Rx: 2110 ~ 2155 MHz
	WCDMA B5	Tx: 824 ~ 849 MHz	Rx: 869 ~ 894 MHz
	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 B7	Tx: 2500 ~ 2570 MHz	Rx: 2620 ~ 2690 MHz
	LTE B12	Tx: 699 ~ 716 MHz	Rx: 729 ~ 746 MHz
	LTE B13	Tx: 777 MHz ~ 787 MHz	Rx: 746 ~ 756 MHz
	LTE B17	Tx: 704 ~ 716 MHz	Rx: 734 ~ 746 MHz
	LTE B38	Tx: 2570 ~ 2620 MHz	Rx:2570 ~ 2620 MHz
	LTE B41	Tx: 2496 ~ 2690 MHz	Rx:2496 ~ 2690 MHz
	LTE B66	Tx: 1710 ~ 1780 MHz	Rx: 2110 ~ 2180 MHz
Antenna Type	WWAN	External 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 ERP20cm in Formula (B.1) [repeated from § 2.1091(c)(1) and § 1.1307(b)(1)(i)(B)].

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

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 λ/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 Pth (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). Pth is given by Formula (B.2).

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

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

Mode	WCDMA B2	WCDMA B4	WCDMA B5
Conducted Power (dBm)	22.28	22.18	22.12
Antenna Gain (dBm)	4.30	5.00	4.80
ERP/EIRP (dBm)	26.58	27.18	24.77

Mode	LTE									
	B2	B4	B5	B7	B12	B13	B17	B66	B38	B41
Conducted Power (dBm)	22.11	21.81	21.81	21.56	22.00	21.81	21.44	21.75	21.85	21.87
Antenna Gain (dBi)	4.30	5.00	4.80	3.90	2.60	2.60	2.60	5.00	3.90	3.90
ERP/EIRP (dBm)	26.41	26.81	24.46	25.46	22.45	22.26	21.89	26.75	25.75	25.77
Note: This report listed the worst case conducted power value, please refer to Ti-CC26020046-501 report for more details.										

5.2 Tune-up power

Mode	Conducted Power Range (dBm)	EIRP Range (dBm)	ERP Range (dBm)
WCDMA B2	[21.00,23.00]	[25.00,27.00]	[22.85,24.85]
WCDMA B4	[21.00,23.00]	[26.00,28.00]	[23.85,25.85]
WCDMA B5	[21.00,23.00]	/	[23.85,25.85]
LTE B2	[21.00,23.00]	[25.00,27.00]	[22.85,24.85]
LTE B4	[20.00,22.00]	[26.00,28.00]	[23.85,25.85]
LTE B5	[21.00,23.00]	/	[23.85,25.85]
LTE B7	[20.00,22.00]	[24.00,26.00]	[23.85,25.85]
LTE B12	[21.00,23.00]	/	[21.85,23.85]
LTE B13	[21.00,23.00]	/	[21.85,23.85]
LTE B17	[20.00,22.00]	/	[20.85,22.85]
LTE B66	[20.00,22.00]	[26.00,28.00]	[23.85,25.85]
LTE B38	[21.00,23.00]	[25.00,27.00]	[22.85,24.85]
LTE B41	[21.00,23.00]	[25.00,27.00]	[22.85,24.85]
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	Maximum Power (dBm)	Maximum Power (mw)	Distance (mm)	Threshold Power (mW)	Verdict
WCDMA B2	24.85	305.49	200	3060.00	Pass
WCDMA B4	25.85	384.59	200	3060.00	Pass
WCDMA B5	25.85	384.59	200	1731.96	Pass
LTE B2	24.85	305.49	200	3060.00	Pass
LTE B4	25.85	384.59	200	3060.00	Pass
LTE B5	25.85	384.59	200	1731.96	Pass
LTE B7	25.85	384.59	200	3060.00	Pass
LTE B12	23.85	242.66	200	1460.64	Pass
LTE B13	23.85	242.66	200	1605.48	Pass
LTE B17	22.85	192.75	200	1460.64	Pass
LTE B66	25.85	384.59	200	3060.00	Pass
LTE B38	24.85	305.49	200	3060.00	Pass
LTE B41	24.85	305.49	200	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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