

TEST REPORT

Applicant: TCL Communication Ltd.
Address: 5/F, Building 22E, 22 Science Park East Avenue,
Hong Kong Science Park, Shatin, NT, Hong Kong
Equipment Type: Tablet PC
Model Name: 8289S
Brand Name: TCL
FCC ID: 2ACCJB250
Test Standard: 47 CFR Part 96.47
Sample Arrival Date: Apr. 17, 2026
Test Date: Apr. 22, 2026 - Jun. 16, 2026
Date of Issue: Jul. 13, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.



Tested by: Zheng Ziyi

Checked by: Lu Jiamin

Approved by: Liao Jianming
(Technical Director)

Zheng Ziyi

Lu Jiamin

Liao Jianming

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jul. 10, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jul. 13, 2026</u>	<u>Clarified descriptions in Section 3.2.</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
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	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.2 Manufacturer Information

Manufacturer	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	8289S
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

The following is the technical information of the EUT tested frequency bands in this report.

Operating Bands	4G Network TDD LTE Band 48 5G Network NR: SA n48	
Antenna Type	Integrated antenna	
Product Type	End User Device	
Band	Tx Frequency Range	Rx Frequency Range
LTE B48	3550 MHz ~ 3700 MHz	3550 MHz ~ 3700 MHz
NR n48	3550 MHz ~ 3700 MHz	3550 MHz ~ 3700 MHz
Note 1: The EUT is a Tablet PC, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE and NR. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report.		

Note1: The EUT information provided by the applicant. For more detailed band specifications and features description, please refer to the manufacturer's specifications or user's manual.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

3.2 Test Verdict

No.	Test Description	FCC Part No.	Test Result	Test Verdict
1	End user device additional requirements.	96.47	ANNEX A.1	Pass

Note: The difference between the EUT (test samples in this report) and testing sample of report No.25T04Z100699-005 (FCC ID: 2ACCJB233), which was issued by CTTL-Telecommunication Technology Labs, CAICT on Jun. 18, 2025 is that:

1. Change the model name from 8189S to 8289S.
2. Change the software from Android 15 to Android 16 AOSP;
3. Change to not support MMS;
4. Most AOSP apps have been removed except Settings and System UI;
5. 8189R has Esim & 1 removeable sim, 8289S only has 1 removeable sim;
6. PCBA add wireless charger receive IC;
7. LTE B13/B14 and NR n14/n71 use new Tx SAW Filter and Rx SAW Filter (SAW Duplexer), the specifications remain unchanged and do not affect the RF performance;
8. Disable the fingerprint button, add a flash lens;
9. Add wireless charging antenna(RX only), the color of the POWER KEY has been changed from gray to blue, the graphite sheet (for heat dissipation) area has been increased, the shape of the battery connector steel piece has changed (because a wireless charging base was added, it needs to hold the base), and an xxx sticker has been added to the battery;
10. Use new charger, a new battery, a new USB cable and a wireless charging base;
11. Changed the power of the sensor on states for GSM 1900, ANT0 for LTE B2, LTE B13 and N14/71. No change in radio parameters has occurred for other bands.

Except listings above, the others hardware/software/ antenna are all the same.

Therefore, the End user device additional requirements were retested in this report, and all other test data please refer to report No.25T04Z100699-005 (FCC ID: 2ACCJB233), which was issued by CTTL-Telecommunication Technology Labs, CAICT on Jun. 18, 2025.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the environmental conditions were within the listed ranges:

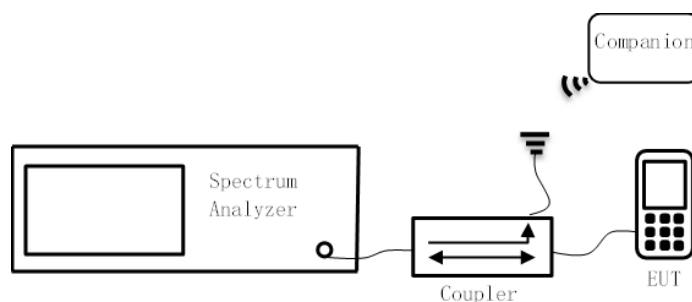
Relative Humidity		25% to 75%
Atmospheric Pressure		98 kPa to 102 kPa
Test Temperature of the EUT	NT (Normal Temperature)	15 °C to 35 °C

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Version	Cal. Date	Cal. Due
CBRS Test System						
Spectrum Analyzer	keysight	N9020A	MY50531628	A.16.09	2026-03-24	2027-03-23
LTE Base Station	Baicells	mBS31001	120200024019APP0129	N/A	N/A	N/A
5G NR Base Station	Baicells	BSC7048A243	AP21RBAAN0300107	N/A	N/A	N/A

4.3 Test Setup

4.3.1 For Conducted Test



(Diagram 1)

5 TEST ITEMS

5.1 End user device additional requirements

5.1.1 Limit

FCC § 96.47

(a)End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1)An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

5.1.2 Test Setup

The section 4.3.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Following procedure can be done by applying WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification, use the certified Ruckus CBSD (FCC ID: 2AG32MBS3100196N & FCC ID: 2AG32BSC7048A243) as companion device to show compliance with Part 96.47requirement for End User Device (EUD):

1. Setup with frequency 3605-3625MHz and power level 17dBm/MHz
2. Enable AP service from Ruckus Cloud management
3. Check EUD Tx Frequency and power
4. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.
5. Setup with frequency 3670-3690MHz and power level 7dBm/MHz
6. Enable AP service from Ruckus Cloud management
7. Check EUD Tx Frequency and power
8. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.

5.1.4 Test Result

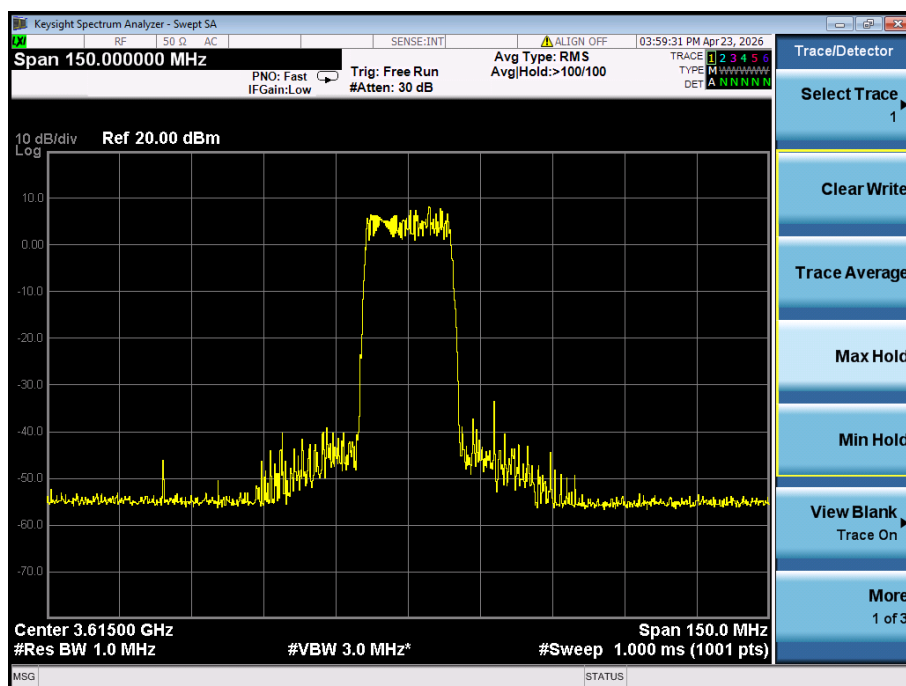
Please refer to ANNEX A.1.

ANNEX A TEST RESULTS

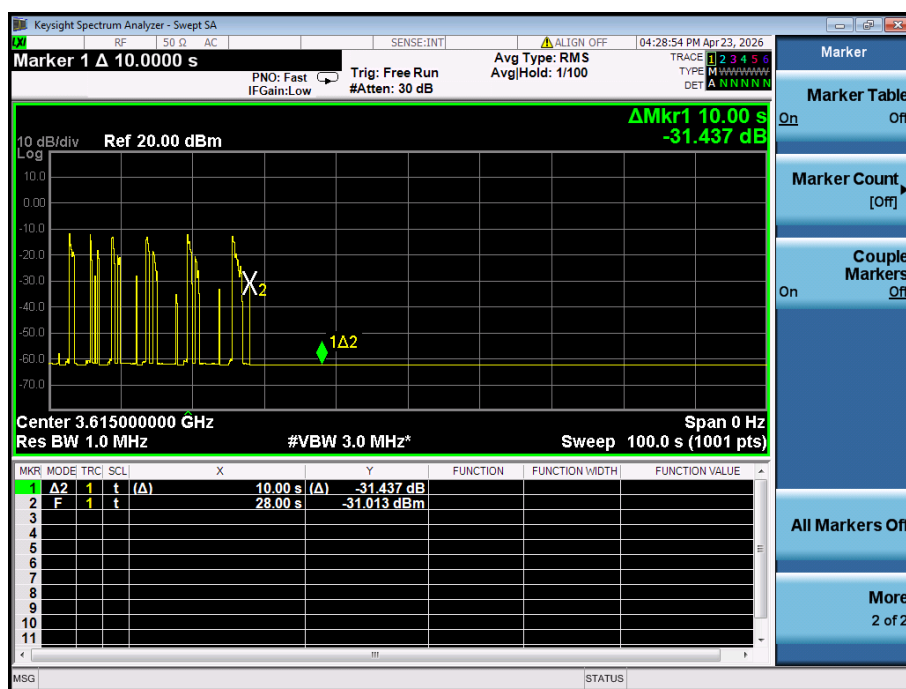
A.1 End user device additional requirements

Test Band: CBSD transmit at frequency 3605-3625MHz of LTE

Frequency Operation

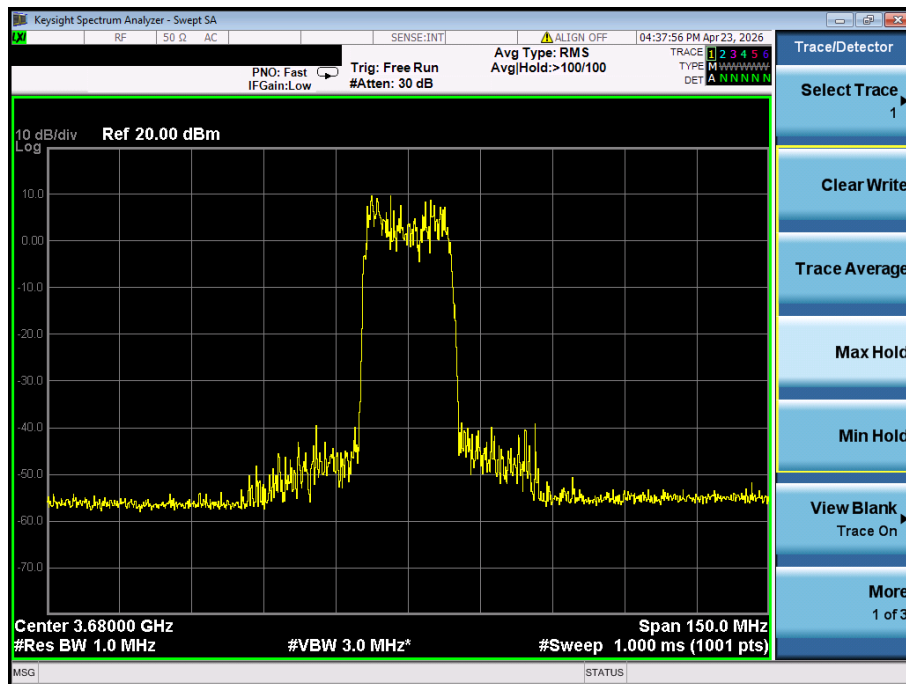


Discontinues Operations within 10s

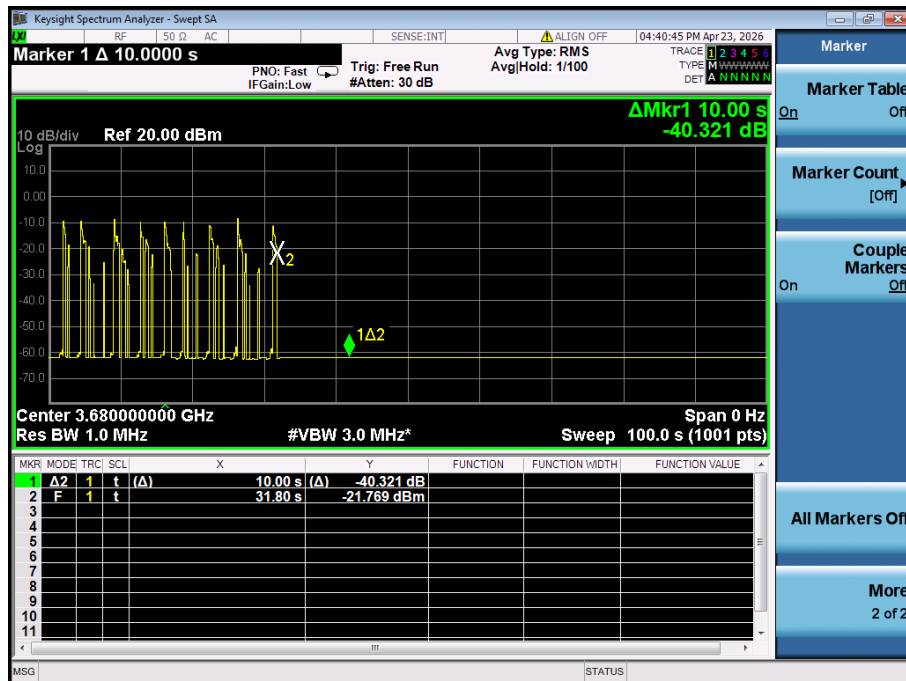


Test Band: CBSD transmit at frequency 3670-3690MHz of LTE

Frequency Operation

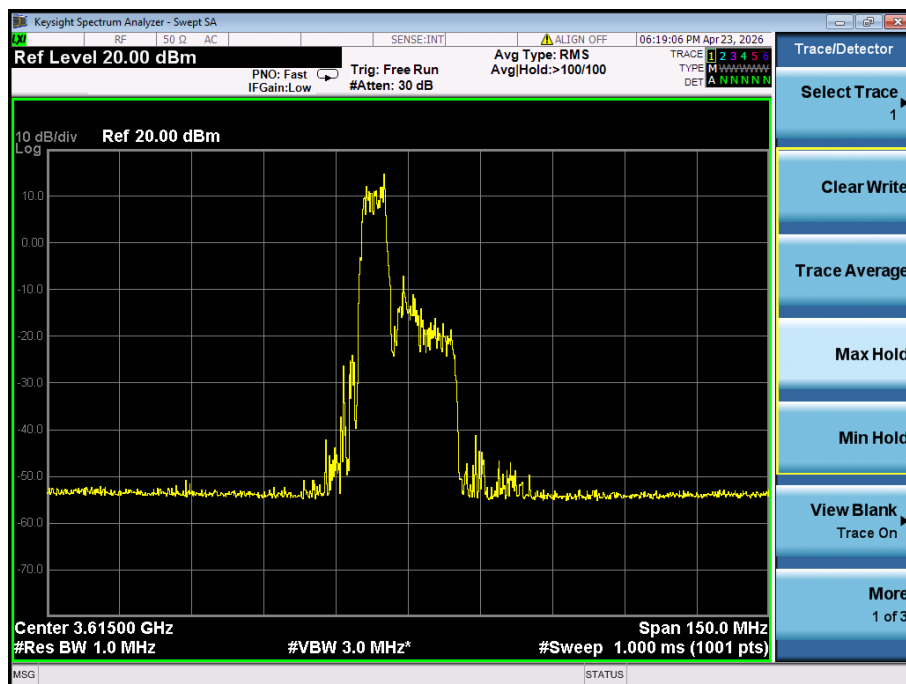


Discontinues Operations within 10s

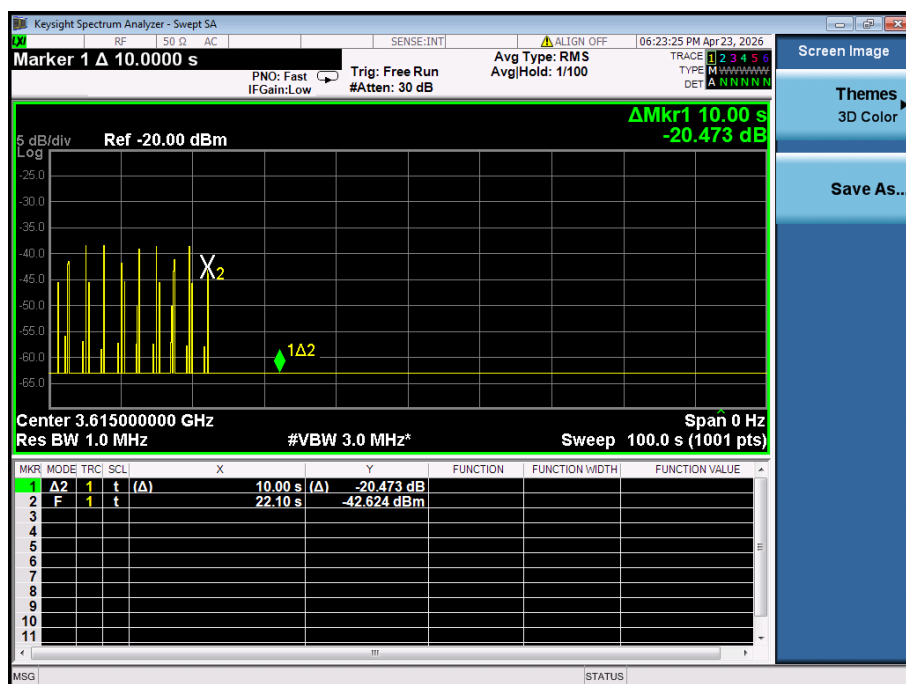


Test Band: CBSD transmit at frequency 3605-3625MHz of NR

Frequency Operation



Discontinues Operations within 10s



The top screenshot shows a Keysight Spectrum Analyzer interface. The main display area shows a frequency spectrum plot with a peak at 3.68010 GHz. The y-axis is labeled '10 dB/div Log' and ranges from -75.0 to 5.00. The x-axis is labeled 'Center 3.68010 GHz' and 'Span 150.0 MHz'. The plot shows a signal with a peak at 3.68010 GHz and a reference level of 15.00 dBm. The plot is labeled 'Ref 15.00 dBm' and 'Log'. The plot is labeled '10 dB/div Log' and 'Ref 15.00 dBm'. The plot is labeled 'Center 3.68010 GHz' and 'Span 150.0 MHz'. The plot is labeled '#Res BW 1.0 MHz' and '#Sweep 1.000 ms (1001 pts)'. The plot is labeled '#VBW 3.0 MHz*'. The plot is labeled 'PNO: Fast IFGain:Low' and 'Trig: Free Run #Atten: 30 dB'. The plot is labeled 'Avg Type: RMS AvgHold: >100/100'. The plot is labeled 'TRACE 1 2 3 4 5 6' and 'TYPE M' and 'DET A N N N N N'. The plot is labeled 'MSG' and 'STATUS'.

The bottom screenshot shows the same Keysight Spectrum Analyzer interface. The main display area shows a frequency spectrum plot with a peak at 3.680100000 GHz. The y-axis is labeled '5 dB/div Log' and ranges from -72.4 to -32.4. The x-axis is labeled 'Center 3.680100000 GHz' and 'Span 0 Hz'. The plot shows a signal with a peak at 3.680100000 GHz and a reference level of -27.40 dBm. The plot is labeled 'Ref -27.40 dBm' and 'Log'. The plot is labeled '5 dB/div Log' and 'Ref -27.40 dBm'. The plot is labeled 'Center 3.680100000 GHz' and 'Span 0 Hz'. The plot is labeled '#Res BW 1.0 MHz' and 'Sweep 100.0 s (1001 pts)'. The plot is labeled '#VBW 3.0 MHz*'. The plot is labeled 'PNO: Fast IFGain:Low' and 'Trig: Free Run #Atten: 30 dB'. The plot is labeled 'Avg Type: RMS AvgHold: 1/100'. The plot is labeled 'TRACE 1 2 3 4 5 6' and 'TYPE M' and 'DET A N N N N N'. The plot is labeled 'MSG' and 'STATUS'.

The bottom screenshot also displays a table of markers and their associated measurements:

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	1	t	(Δ)	10.00 s (Δ)	-19.615 dB		
2	F	1	t		24.60 s	-43.159 dBm		
3								
4								
5								
6								
7								
8								
9								
10								
11								

ANNEX B TEST SETUP PHOTOS

Please refer to the document “Ti-CC26040191-AR.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--