

TEST REPORT

Applicant: vivo Mobile Communication Co., Ltd.
Address: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Equipment Type: Mobile Phone
Model Name: V2436
Brand Name: vivo
FCC ID: 2AUCY -V2436
Test Standard: 47 CFR Part 25
(Others refer to chapter 3.1)
Sample Arrival Date: Dec. 25. 2024
Test Date: Dec. 26. 2024 - Jan. 16, 2025
Date of Issue: May 14, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Jiamin Lu

Checked by: Wu Huihui

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(Testing Director)

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Tolan Tu

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>May 14, 2025</u>	<u>Initial Issue</u>

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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	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.2 Manufacturer Information

Manufacturer	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	V2436
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	MP_0.1
Software Version	PD2444CF_EX_A_15.0.3.5.W30
Dimensions (Approx.)	165.7*76.3*8.28mm(ink) 165.7*76.3*8.37mm(film)
Weight (Approx.)	207g
EUT ID	/
IMEI Number	/

2.4 Technical Information

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

All Network and Wireless connectivity for EUT	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/18/19/26/66 TDD LTE Band 38/41 LTE CA Uplink (UL): CA_7C, CA_41C, CA_66C, CA_2A-4A, CA_2A-7A, CA_4A-5A, CA_4A-7A, CA_5A-7A, CA_5A-66A, CA_7A-4A 5G Network SA: NR n2/n5/n7/n26/n38/n41/n66/n77/n78 NSA(EN-DC): DC_4A_n2A, DC_66A_n2A, DC_7A_n2A, DC_4A_n38A, DC_66A_n38A, DC_4A_n41A, DC_66A_n41A, DC_7A_n5A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_2A_n7A, DC_4A_n7A, DC_7A_n4A, DC_5A_n7A, DC_66A_n7A, DC_7A_n77A, DC_2A_n78A, DC_38A_n78A, DC_41A_n78A, DC_4A_n78A, DC_5A_n78A, DC_66A_n78A, DC_7A_n78A
About the Product	The equipment is Mobile Phone, intended for used with information technology equipment.
Note 1: The EUT is a mobile phone, 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 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 Subpart H	Cellular Radiotelephone Service
3	47 CFR Part 24 Subpart E	Broadband PCS
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 25	CITIZENS BROADBAND RADIO SERVICE
6	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
8	KDB 273109 D02 v01r01	Supplemental Coverage from Space (SCS)

3.2 Test Verdict

According to the following standard requirements:

FCC § 25.109(f)

Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24, and 27 of this chapter where applicable.

FCC § 25.204(g)

SCS earth stations providing SCS pursuant to §§ 25.125 and 25.115 shall comply with the power requirements and out-of-band emission limits corresponding to devices operating in part 22, 24, or 27 of this chapter (e.g., § 22.913, § 24.232, or § 27.50), as required for their operating frequencies.

CMRS frequency bands suitable for SCS are as follows:

- 600 MHz: 614-652 MHz and 663-698 MHz
- 700 MHz: 698-769 MHz, 775 MHz-799 MHz, and 805-806 MHz
- 800 MHz: 824-849 MHz and 869-894 MHz
- Broadband PCS: 1850-1915 MHz and 1930-1995 MHz
- AWS-H Block: 1915-1920 MHz and 1995-2000 MHz

We clarify the band with SCS frequencies available for use which supported by the device in this report in the following table. And list the test reports that meet the technical requirements of FCC Part22, 24, 27 and 90R in different frequency bands.

CMRS frequency bands suitable for SCS	3GPP Band	Uplink Frequency range (MHz)	Downlink Frequency range (MHz)	Supported	FCC Rule Parts	Test results are shown in the test report
600 MHz	LTE B71	663-698	617-652	No	27.5(c)	--
	n71	663-698	617-652	No		--
700 MHz	LTE B12	699-716	729-746	Yes	27.50(c)	BL-SZ2541657-501
	n12	699-716	729-746	No	27.53(g)	--
	LTE B17	704-716	734-746	Yes	27.5(b) 27.50(b) 27.53(g)	BL-SZ2541657-501
	LTE B13	777-787	746-756	Yes		BL-SZ2541657-501
	LTE B14	788-798	758-768	No		--
	n14	788-798	758-768	No	90R	--
	--	805-806		No	--	--
	WCDMA B5	824-849	869-894	Yes	22H	BL-SZ2541657-501
800 MHz	LTE B5	824-849	869-894	Yes		BL-SZ2541657-501
	LTE B26	824-849	869-894	Yes		BL-SZ2541657-501
	n5	824-849	869-894	Yes		BL-SZ2541657-501
	n26	824-849	869-894	Yes		BL-SZ2541657-501
Broadband PCS	WCDMA B2	1850-1910	1930-1990	Yes	24E	BL-SZ2541657-501
	LTE B2	1850-1910	1930-1990	Yes		BL-SZ2541657-501

	LTE B25	1850-1915	1930-1995	No		--
	n2	1850-1910	1930-1990	Yes		BL-SZ2541657-501
	n25	1850-1915	1930-1995	No		--
AWS-H Block	--	1915-1920	1995-2000	No	--	--

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.
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--END OF REPORT--