

TEST REPORT

FCC PART 25 SCS Test for SM-A266U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2501-FC035

DATE OF ISSUE
January 17, 2025

Tested by
Kwon Jeong



Technical Manager
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HCT-RF-2501-FC035

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Additional Model

SM-A266U1, SM-S266V

Applicant

SAMSUNG Electronics Co., Ltd.

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

Product Name

Mobile Phone

Model Name

SM-A266U

FCC ID

A3LSMA266U

Date of Test

November 22, 2024~ January 14, 2025

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

Test Standard Used

§ 25

Test Results

PASS

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing Lab

(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	January 17, 2025	Initial Release

Notice

Content

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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1. GENERAL INFORMATION

Applicant Name:	SAMSUNG Electronics Co., Ltd.
Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
FCC ID:	A3LSMA266U
Application Type:	Certification
FCC Classification:	PCS Licensed Transmitter Held to Ear (PCE)
FCC Rule Part(s):	§ 25
EUT Type:	Mobile phone
Model(s):	SM-A266U
Additional Model(s)	SM-A266U1, SM-S266V
Date(s) of Tests:	November 22, 2024~ January 14, 2025

2. INTRODUCTION

2.1. DESCRIPTION OF EUT

The EUT was a Mobile Phone with GSM/GPRS/EGPRS/UMTS and LTE, Sub 6.
It also supports IEEE 802.11 a/b/g/n/ac (20/40/80 MHz), Bluetooth(iPA), BT LE(iPA), NFC.

2.2. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

2.3. TEST FACILITY

The Fully-anechoic chamber and conducted measurement facility used to collect the radiated data are located at the **74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea**

3. SUPPLEMENTAL COVERAGE FROM SPACE (SCS)

Under section § 25.109 (f) of the FCC rules Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24, and 27 of this chapter based on the operating frequency band. Section §

25.204 (g) specifies that 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 parts 22, 24, or 27 of this chapter (e.g., § § 22.913, 24.232, 27.50), as required for their operating frequencies.

We have clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.

The table below identifies the SCS frequencies available for use and, for each band, the applicable FCC Part 22, 24, 27, and 90R technical requirements, the air interfaces supported by the device for SCS use and, in the final column, the reference to the test report containing the relevant test data showing compliance with the technical requirements.

The bands available for SCS and the bands supported by the devices in the scope of this report are:

Band	Frequency		Part 22/24/27 Rule parts	3GPP Band	Supported	Reference to test report showing compliance with § 25.204 (g) for power requirements and out-of- band emission limits
	DL (MHz)	UL (MHz)				
600 MHz:	614-652	663-698	27.5 (c) 27.50 (c) 27.53 (g)	B71/ n71	Yes	B71: HCT-RF-2501-FC018 n71: HCT-RF-2501-FC026
700 MHz: 698 –769 MHz 775 –799 MHz 805 –806 MHz	729 – 746	699 –716	27.5 (c) 27.50 (c) 27.53 (g)	B12	Yes	HCT-RF-2501-FC008
	746 – 756	777 – 787	27.5 (b) 27.50 (b) 27.53 (f)	B13	Yes	HCT-RF-2501-FC009
	758 - 769	788 - 799	90R	B14	Yes	HCT-RF-2501-FC010
	805-806 MHz				No	-
800 MHz:	869 - 894	824-849	22H	WCDMA B5 B5/ n5 B26	Yes	WCDMA B5: HCT-RF-2501-FC005 B5: HCT-RF-2501-FC012 n5: HCT-RF-2501-FC020 B26: HCT-RF-2501-FC012, HCT-RF-2501-FC013
Broadband PCS:	1930 - 1995	1850-1915	24E	WCDMA B2 B2/ n2 B25/ n25	Yes	WCDMA B2: HCT-RF-2501-FC005 B2: HCT-RF-2501-FC006 N2: HCT-RF-2501-FC019 B25: HCT-RF-2501-FC011 N25: HCT-RF-2501-FC021

Note

1. The bands list available for SCS: WCDMA B2/B5, LTE B2/5/12/13/14/25/26/71, NR n2/5/25/71