

CERTIFICATION TEST REPORT

Report Number. : S-4792078190-E3V2

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-A576B/DS, SM-A576B

FCC ID : A3LSMA576B

EUT Type : Portable Handset

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E(6CD)
KDB 987594 D02 v03

Date Of Issue:
2026-01-02

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Revision History

Rev.	Issue Date	Revisions	Presented By
V1	2025-12-30	Initial issue	Dexter(Hyunsik) Yun
V2	2026-01-02	Updated to address TCB's question	Dexter(Hyunsik) Yun

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.
EUT TYPE: Portable Handset
MODEL NUMBER: SM-A576B/DS, SM-A576B
SERIAL NUMBER: R37YA0084YD (CONDUCTED);
DATE TESTED: 2025-12-19 ~ 2025-12-30

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART E	Complies
KDB 987594 D02 v03	Complies

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL KOREA LTD. By:



Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Tested By:



Dexter(Hyunsik) Yun
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

1. KDB 987594 D02 v03
2. FCC 47 CFR PART 15 SUBPART E

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
☒	Chamber 1(3m semi-anechoic chamber)
☒	Chamber 2(3m semi-anechoic chamber)
☒	Chamber 3(3m semi-anechoic chamber)
☐	Chamber 4(3m Full-anechoic chamber)
☐	Chamber 5(3m Full-anechoic chamber)

UL KOREA LTD. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Corr'd e.i.r.p. Power [dBm] = Antenna 2 Meas. Power [dBm] + Antenna 2 gain [dBi]

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
RF Output Power	0.69 dB
Power Spectral Density	1.4 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULES

Decision rule for statement(s) of conformity is based on Clause 4.4.3 in IEC Guide 115:2023.

5. EQUIPMENT UNDER TEST

5.1. EUT DESCRIPTION

The EUT is the Samsung Portable Handset FCC ID: A3LSMA576B.
This test report addresses the NII (WLAN) signaling mode.

5.2. DESCRIPTION OF TEST SETUP

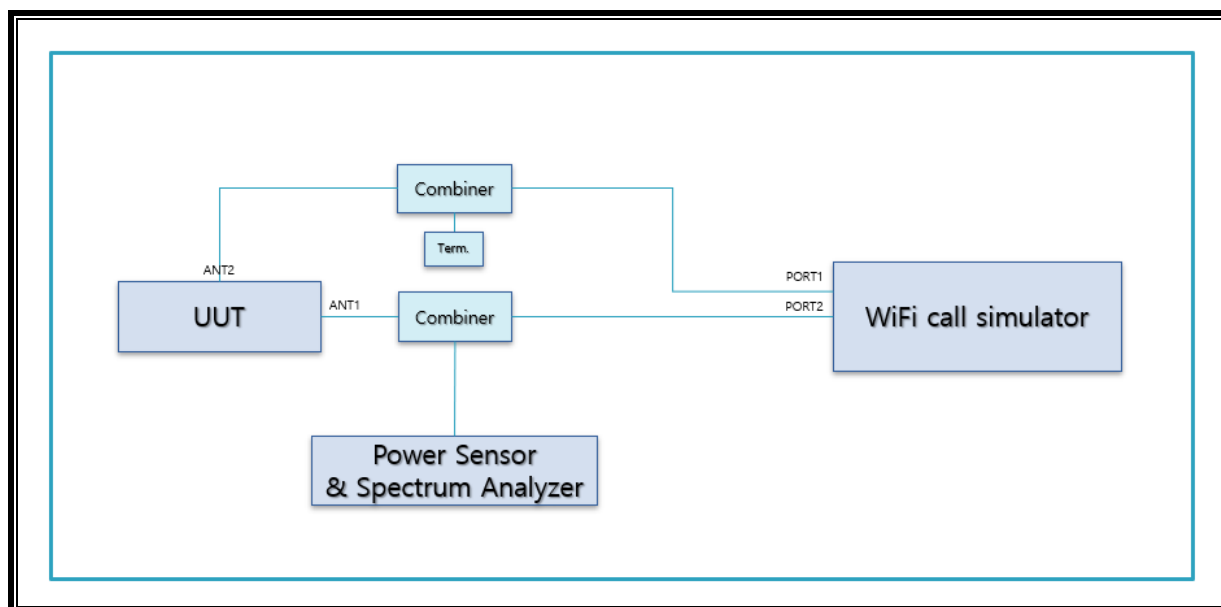
SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Data Cable	SAMSUNG	EP-DN980	N/A	N/A

I/O CABLE

I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0 m	N/A

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



6. MEASUREMENT METHOD

Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP:
KDB 987594 D02 v03, Section K

Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point:
KDB 987594 D02 v03, Section L

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9030B	MY60070693	2026-01-02
Attenuator	PASTERNAK	PE7087-10	A001	2026-07-22
Attenuator	PASTERNAK	PE7087-10	A008	2026-07-22
Average Power Sensor	Agilent / HP	U2000A	MY54270007	2026-07-22
Average Power Sensor	Agilent / HP	U2000A	MY54260010	2026-07-22
Power Sensor	KEYSIGHT	U2052XA	MY54270007	2026-01-03
Power Sensor	KEYSIGHT	U2052XA	MY54260010	2026-01-03
Termination	WEINSCHL	M1406A	T08	2026-07-22
Power Splitter	WEINSCHL	WA1534	UL007	2026-01-03
Power Splitter	WEINSCHL	WA1534	UL008	2026-01-20
Radio Communication Tester	R&S	CMX500	101535	2026-07-22

8. TEST RESULTS SUMMARY

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
KDB 987594 Section K	Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	-	Conducted	Complies
KDB 987594 Section L	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point	-	Conducted	Complies

9. Dual Client Power Verification

9.1. Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP

VERIFICATION PROCEDURE

KDB 987594 D02 v03, Section K

A WLAN call simulator is used to replicate the operation of a Standard Power Access Point and Low Power Indoor Access Point to verify that the EUT changes power level when transitioning connections from a standard power AP to LPI AP and vice versa.

1. Standard power callbox:
 - 1) Enable 6 GHz standard power access point
 - 2) Change the regulatory information (Standard power AP)
 - 3) Connect EUT to callbox (CMX500) and generate traffic via iperf.
 - 4) Measure output power at conducted ports of client EUT
2. Low power indoor callbox:
 - 1) Change the regulatory information (Indoor power AP)
 - 2) Measure output power at conducted ports of client EUT

ANTENNA GAIN

UNII Band & Range[MHz]	Frequency [MHz]	ANT2 Gain [dBi]	Maximum Gain[dBi]
5(5925 – 6425)	5925	-6.38	-4.07
	6025	-4.07	
	6125	-4.57	
	6225	-5.30	
	6325	-5.01	
	6425	-5.46	

TEST METHOD

ANSI C63.10.2020 – Section 12.4.3.2 Method PM-G

ANSI C63.10.2020 – Section 14.5.2.3 Measure-and-Sum Technique

RESULTS (TEST CHANNEL: 6 135 MHz, 37 Channel)

Regulatory information	AFC Authorized e.i.r.p. for CMX500	Dual Client ANT2 conducted Power [dBm]	Antenna Gain [dBi]	Dual Client ANT2 e.i.r.p. [dBm]	Client e.i.r.p. Limit[dBm]	Margin [dB]
Standard	36.00	9.11	-4.07	5.04	30.00	-24.96
Indoor		9.10	-4.07	5.03	24.00	-18.97

Note: For this model, the target power for both standard power and indoor power is identical.

9.2. Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point

VERIFICATION PROCEDURE

KDB 987594 D02 v03, Section L

A WLAN call simulator is used to replicate the operation of a Standard Power Access Point to verify that the EUT operates at a power level at least 6dB lower than the authorized power level for the standard power AP.

1. Standard power callbox:
 - 1) Enable 6 GHz standard power access point
 - 2) Change the regulatory information (Standard power) and update the TPE configuration (36, 21, 6 dBm)
 - 3) Connect EUT to callbox (CMX500) and generate traffic via iperf.
 - 4) Measure output power at conducted ports of client EUT

RESULTS

Regulatory information	AFC Authorized e.i.r.p. for CMX500	Dual Client ANT2 conducted Power [dBm]	Antenna Gain [dBi]	Dual Client ANT2 e.i.r.p. [dBm]	Client e.i.r.p. Limit[dBm]	Margin [dB]
Standard	36.00	9.11	-4.07	5.04	30.00	-24.96
	21.00	7.05	-4.07	2.98	15.00	-12.02
	6.00	2.33	-4.07	-1.74	0.00	-1.74

The client power is more than 6dB lower than the call simulator registered power.

END OF TEST REPORT