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PART 15C & RSS-210 RF TEST REPORT

FCC ID:	A3LSMS741B
Model (s):	SM-S741B/DS, SM-S741B
Device Type:	Portable Handset
Report Issue Date:	July 24, 2026

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

The measurement evaluations presented in this report are based on the maximum performance of the tested device(s), which has been shown to be capable of compliance with the applicable technical requirements specified herein and has been tested in accordance with the measurement procedures outlined in 47CFR §2.947, ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024.

This document has been revised and replaces all previously issued versions of this document with the same Test Report S/N.

Youngbin Song
Technical Manager

Table of Contents

1. DUT Specifics

1.1. Device under Test

The manufacturer has confirmed that the device is within operational tolerances expected for production units and has the same physical, mechanical, and thermal characteristics expected for production units. The serial number of the device used for each test is indicated alongside the results.

1.2. Maximum Power per Mode

Table 1-1 Maximum Electric Field Strength

Mode	Operating Frequency	Max Electric Field Strength
	[MHz]	[dBµV/m] @ 30 m
NFC	13.56	16.95

Notes : The DUT incorporates an internal, permanently attached antenna which cannot be replaced by the end-user. Therefore, DUT complies with the requirements of §15.203.

2. Executive Summary

2.1. Device Description

The DUT is a portable wireless handset incorporating Near Field Communication (NFC) functionality. This report covers the compliance testing of the NFC function in accordance with the applicable standards and regulatory requirements.

2.2. Summary of Test Results

The DUT has been tested according to the following specifications. The test period was from June 17, 2026 through July 06, 2026.

Test Condition	Test Item	FCC	ISED	Limit	Test Result	Reference
Radiated	Occupied Bandwidth	§2.1049	RSS-Gen(6.7)	NA	PASS	Section 4.4
	Frequency Stability	§15.225(e)	RSS-210(B.6)	±0.01% of the operating frequency	PASS	Section 4.5
	Field strength of Fundamental and In-band Emissions	§15.225(a) §15.225(b) §15.225(c)	RSS-210(B.6)	84 dBµV/m @ 30 m, 13.553-13.567 MHz 50.47 dBµV/m @ 30 m, 13.410-13.553 MHz and 13.567-13.710 MHz 40.51 dBµV/m) @ 30 m, 13.110-13.410 MHz and 13.710-14.010 MHz	PASS	Section 4.6
	Unwanted Emissions Outside of the Band	§15.209	RSS-Gen(8.9)	Undesirable emission must meet the limits detailed in 15.209 & RSS-Gen(8.9)	PASS	Section 4.6
	AC Conducted Emissions	§15.207	RSS-Gen(8.7)	The DUT shall comply with the limits specified in §15.207	PASS	Section 5

2.3. Test Guidance Applied

Testing was performed in accordance with the following rules, standards, and guidance:

- ANSI C63.10 - 2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024
- ANSI C63.4 - 2014 + C63.4a - 2017
- RSS-Gen Issue 5
- RSS-210 Issue 11
- FCC 47 CFR Part 2
- FCC 47 CFR Part 15

2.4. NGTL Test Site Location

All measurement operations were conducted at the NGTL testing facility.

- Location: 52-7, Choha-ro, Mohyeon-eup, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea.
- Site Compliance: The measurement environments strictly adhere to the site validation requirements specified in ANSI C63.4-2014+C63.a-2017 and FCC KDB 414788 D01.
- Accreditations: Fully accredited to ISO/IEC 17025 and designated by the National Radio Research Agency (RRA) as a Conformity Assessment Body (CAB) under the MRAs, maintaining official testing recognition from the FCC and ISED .

• FCC Designation Number	FCC Test Firm Registration Number
KR0179	985720

ISED CAB identifier	ISED Company Number
KR0179	35746

3. Description of Tests

Testing of the DUT was conducted in accordance with the methodologies outlined in ANSI C63.10-2020. For details regarding the test configuration, refer to the following sections:

- Radiated Emissions Test : Sections 4.1
- AC Line Conducted Test : Sections 5.1

- All tests were conducted under the environmental conditions specified below

Ambient Temperature : 22 - 26 °C

Relative Humidity : 41 - 49 % RH

4. Radiated Test Results

4.1. Test Configuration

Radiated Test Facilities & Setup

All operating modes, channels, and data rates across the NFC band were investigated; the results documented herein represent the worst-case emissions and only the worst-case results are presented in this report.
Radiated emissions testing was conducted in an indoor 3-meter semi-anechoic chamber (SAC). For all frequency ranges, the turntable was rotated 360° and the receive antenna height was varied from 1 m to 4 m to maximize emissions. The specific test setups and calibrated, linearly polarized antennas utilized are as follows:

- 9 kHz to 30 MHz : DUT height at 0.8 m / Active Loop Antenna
- 30 MHz to 1 GHz : DUT height at 0.8 m / No floor absorbers / Broadband Bi-log Antenna

Test Orientations

The DUT and Loop Antenna were investigated in three orthogonal orientations (X, Y, and Z). Radiated spurious emissions were investigated up to 1 GHz to demonstrate compliance with the applicable FCC and ISED general radiated emission requirements. Testing from 30 MHz to 1 GHz was conducted only under the worst-case configuration. In accordance with ANSI C63.10, measurement results for frequencies from 30 MHz to 1 GHz are included in this report only when emissions are detected within 20 dB of the applicable limit.

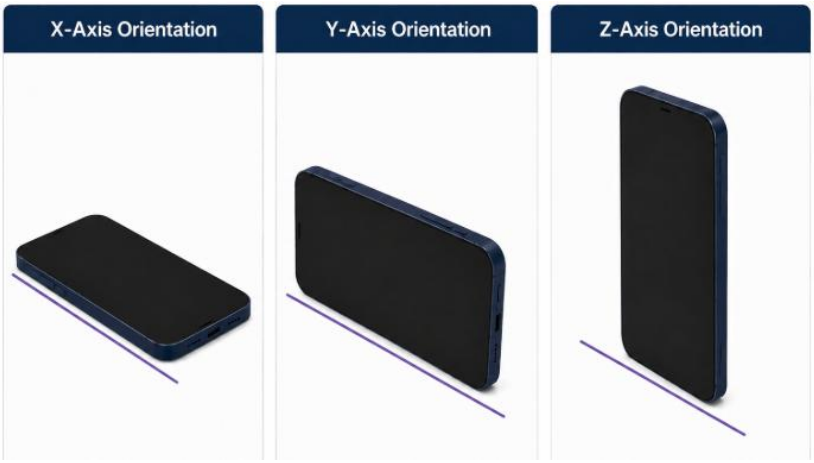


Figure 4-1 Three orthogonal orientations.

Radiated emissions were captured using automated test software 'NGTL ATE' Ver. 0.00.

4.2. Radiated Measurement Setup

Figure 4-2 OBW Measurement Setup

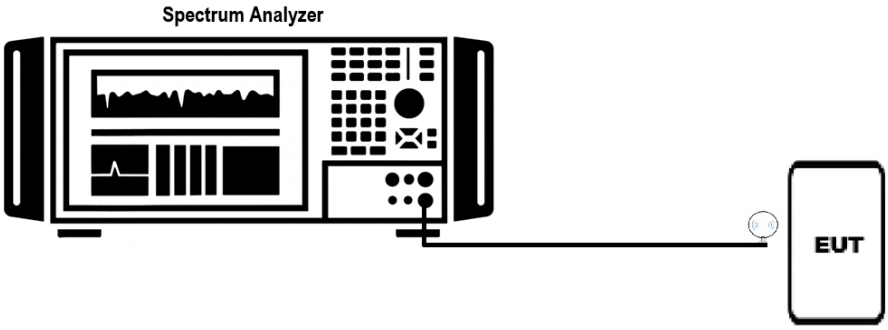


Figure 4-3 Frequency Stability Measurement Setup

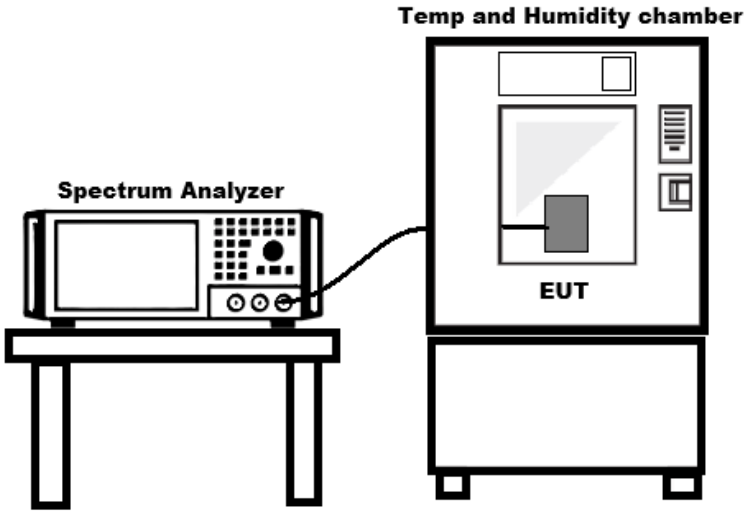


Figure 4-4 Radiated Measurement Setup Below 30 MHz

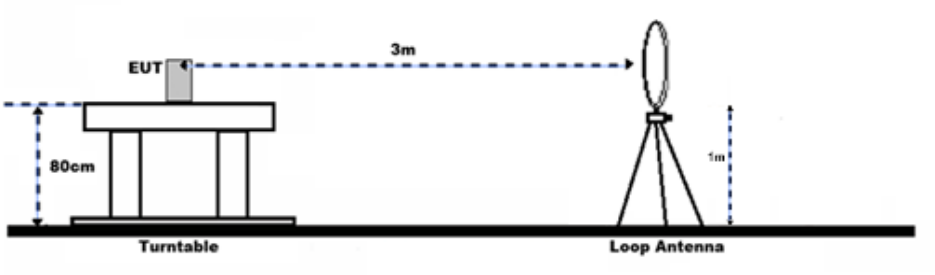
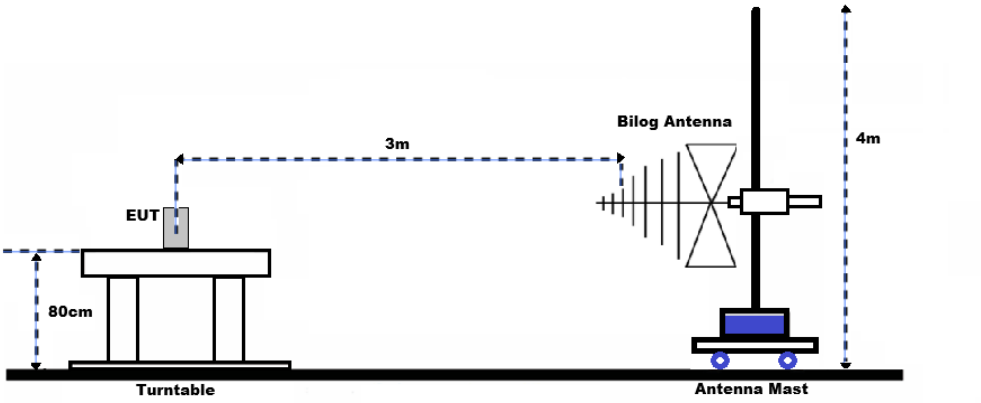


Figure 4-5 Radiated Measurement Setup Below 1 GHz



4.3. Radiated Measurement Sample

Serial Number(s) : ZDR2977M

4.4. Occupied Bandwidth

4.4.1. Regulatory Limit

Part. 2.1049

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable:

RSS-Gen – Section 6.7

The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

4.4.2. Test Method

ANSI C63.10-2020, clause 6.9

4.4.3. Test Procedure

The procedure for this method is as follows:

a) Set RBW = 1% to 5% of the OBW
b) Set the VBW ≥ [3 × RBW]
c) Detector = Peak
d) Trace Mode = Max-Hold
e) Sweep Time = Auto (Coupled) or sufficient to investigate
f) Allow the trace to stabilize.

Test Note

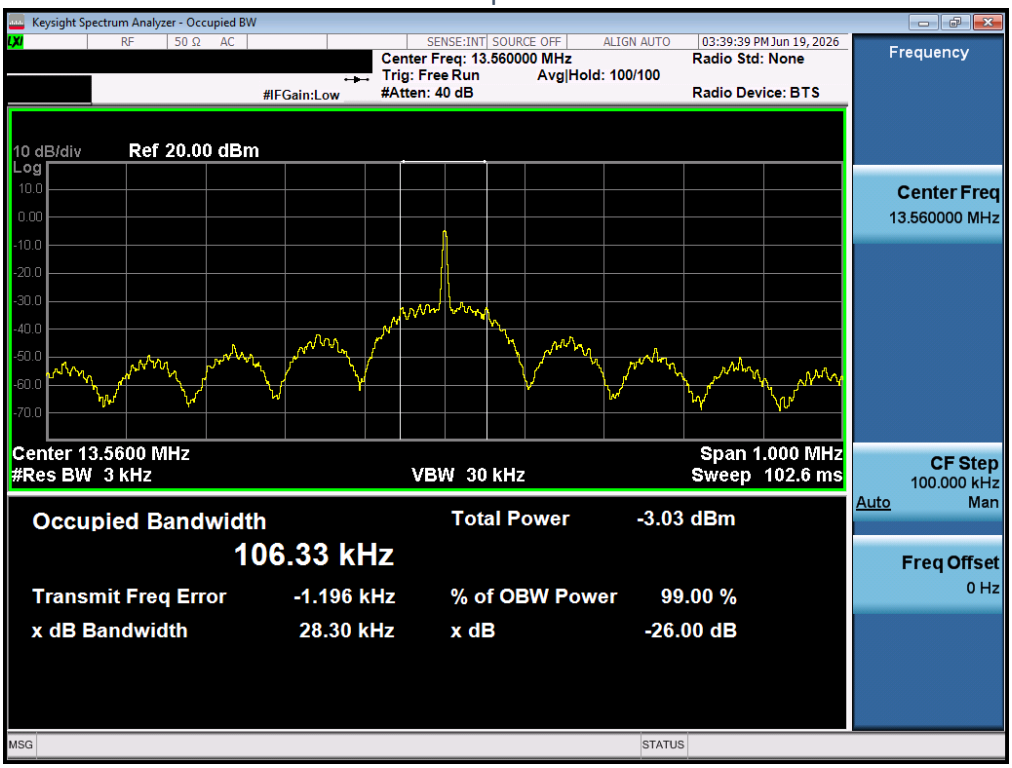
- ✓ The automatic bandwidth measurement function of the spectrum analyzer was used.

4.4.4. Test Results

Table 4-1 Occupied Bandwidth

Mode	Frequency [MHz]	Occupied Bandwidth [kHz]
NFC	13.56	106.33

Plot 4-1 Occupied Bandwidth



4.5. Frequency Stability

4.5.1. Regulatory Limit

Part. 15.225(e)

The frequency tolerance of the carrier signal shall be maintained within ±0.01% of the operating frequency over a temperature variation of −20 degrees to + 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

RSS-210 – Section B.6

The carrier frequency stability shall not exceed ±100 ppm.

4.5.2. Test Method

ANSI C63.10-2020, clause 6.8

4.5.3. Test Procedure

The procedure for the temperature test is as follows:

a) Turn OFF the EUT and place it in the temperature chamber.
b) Set the chamber to the highest test temperature and allow the temperature to stabilize.
c) Turn ON the EUT and record the operating frequency at 0, 2, 5, and 10 minutes.
d) Measure the operating frequency at all required test frequencies.
e) Lower the chamber temperature by 10°C, allow it to stabilize, and repeat steps c) to e) until the lowest specified temperature is reached.

The procedure for the supply voltage test is as follows:

a) Apply the nominal voltage and connect to the DUT a frequency counter.
b) Tune to the required test frequency.
c) Measure the operating frequency at all required test frequencies.
d) Repeat steps a) to c) at 85% and 115% of the nominal supply voltage, and at the battery end-point voltage, as applicable.

4.5.4. Test Results

Table 4-2 Frequency Stability

Temp '[°C]	supply voltage [VDC]	Frequency [Hz]	Freq. dev [Hz]	deviation [%]	ppm
50	Nominal Voltage	13559974	-26	-0.00019	-1.92
40		13559981	-19	-0.00014	-1.40
30		13559990	-10	-0.00007	-0.74
20(Ref)		13560011	11	0.00008	0.81
10		13560037	37	0.00027	2.73
0		13560053	53	0.00039	3.91
-10		13560059	59	0.00044	4.38
-20		13560034	34	0.00025	2.51
20(Ref)	115%	13559984	-16	-0.00012	-1.18
	85%	13560001	1	0.00001	0.10
	End-Point	13559989	-11	-0.00008	-0.81

*Note 1: Reference Frequency : 13.560000 MHz

*Note 2: Frequency Dev [Hz] = Measured Frequency - Reference Frequency
Deviation [%] = (Frequency dev / Reference Frequency) x 100
ppm = (Frequency Dev / Reference Frequency) × 1,000,000

*Note 3: Frequency stability measurements were performed in accordance with the applicable test procedure. Additional monitoring was performed to verify frequency stabilization. Only the worst-case frequency deviation for each test condition is reported in this table.

4.6. Radiated Spurious Emissions

4.6.1. Regulatory Limit

Part 15.209 Radiated emission limit; general requirements

Except as shown in paragraph (b)(6) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F(kHz)	300
0.490 – 1.705	24000 / F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 – 216	150**	3
216 – 960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

Part 15.225

(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

RSS-GEN - Section 8.9

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Frequency (MHz)	Magnetic field strength (H-Field) (μA/m)	Measurement Distance (m)
0.009 – 0.490[Note]	6.37/F (F in kHz)	300
0.490 – 1.705	63.7/F (F in kHz)	30
1.705 – 30.0	0.08	30

The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30 – 88	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

RSS-210 - Section B.6

15.848 mV/m (84 dBμV/m) at 30 m, within the band 13.553-13.567 MHz
334 μV/m (50.47 dBμV/m) at 30 m, within the bands 13.410-13.553 MHz and 13.567-13.710 MHz
106 μV/m (40.51 dBμV/m) at 30 m, within the bands 13.110-13.410 MHz and 13.710-14.010 MHz

4.6.2. Test Procedure

Quasi-Peak & Peak - Below 30 MHz

a) RBW = 10 kHz / below 150 kHz, RBW = 200 Hz
b) VBW $\geq$ [3 $\times$ RBW].
c) Detector = Quasi-Peak & Peak
d) Trace Mode = Max-Hold
e) Sweep Time = Auto (Coupled) or sufficient to investigate

Quasi-Peak & Peak - Below 1 GHz

a) RBW = 120 kHz or 100 kHz
b) Detector = Quasi-Peak & Peak
c) Trace Mode = Max-Hold
d) Sweep Time = Auto (Coupled) or sufficient to investigate

4.6.3. Sample Calculation

Where relevant, the following sample calculation is provided:

E(dBμV/m) = Measured Voltage (dBμV) + DCF (dB) + Antenna Factor (dB/m) + Total Loss [Cable Loss (dB) – Preamp Gain (dB)]

4.6.4. Radiated Spurious Test Results

Plot 4-2 In-Band Emission

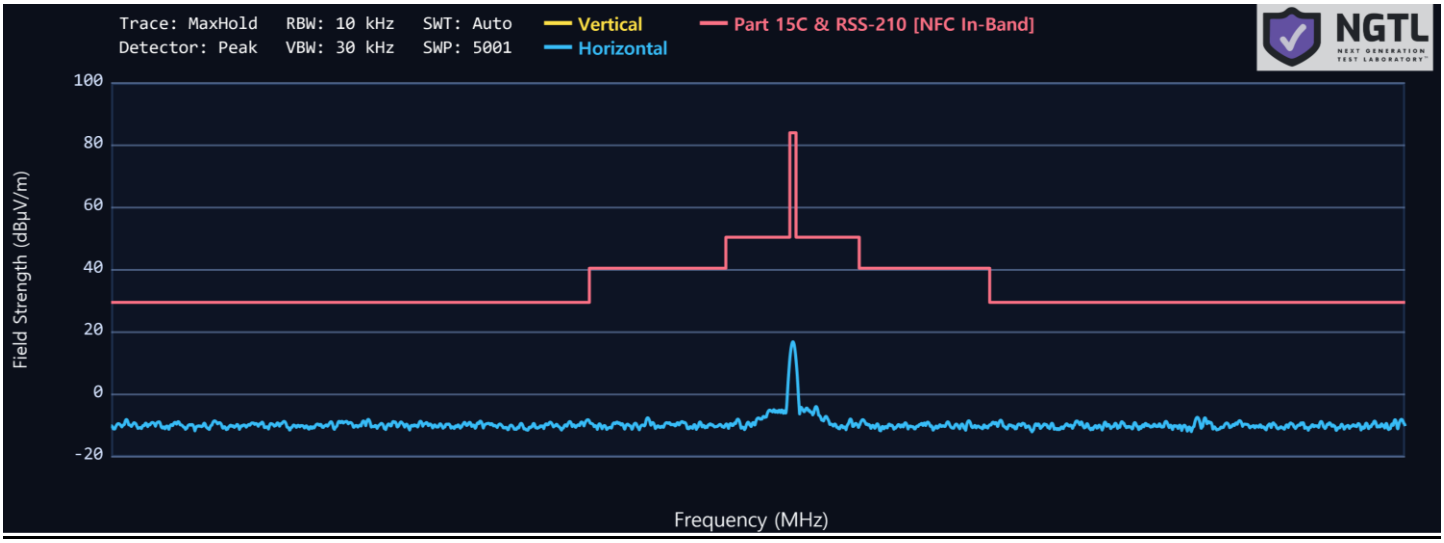


Table 4-3 In-Band Emission

Test Mode	Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBμV]	Pol [H/V]	Detector Mode	DCF [dB]	AFCL [dB/m]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]
NFC	13.110 ~ 13.410	13.238	11.46	H	PK	-40.00	21.13	-7.41	40.51	-47.92
	13.410 ~ 13.553	13.552	29.28	H	PK	-40.00	21.13	10.41	50.47	-40.07
	13.553 ~ 13.567	13.560	35.82	H	PK	-40.00	21.13	16.95	84.00	-67.05
	13.567 ~ 13.710	13.568	29.13	H	PK	-40.00	21.13	10.26	50.47	-40.21
	13.710 ~ 14.010	13.718	10.80	H	PK	-40.00	21.13	-8.07	40.51	-48.58

*Note 1: DCF = Distance Correction Factor

*Note 2: For frequencies below 30 MHz, the following distance correction factors were applied.

1) 3 m to 30 m: -40 dB correction

Plot 4-3 9 kHz to 30 MHz Spurious Emission

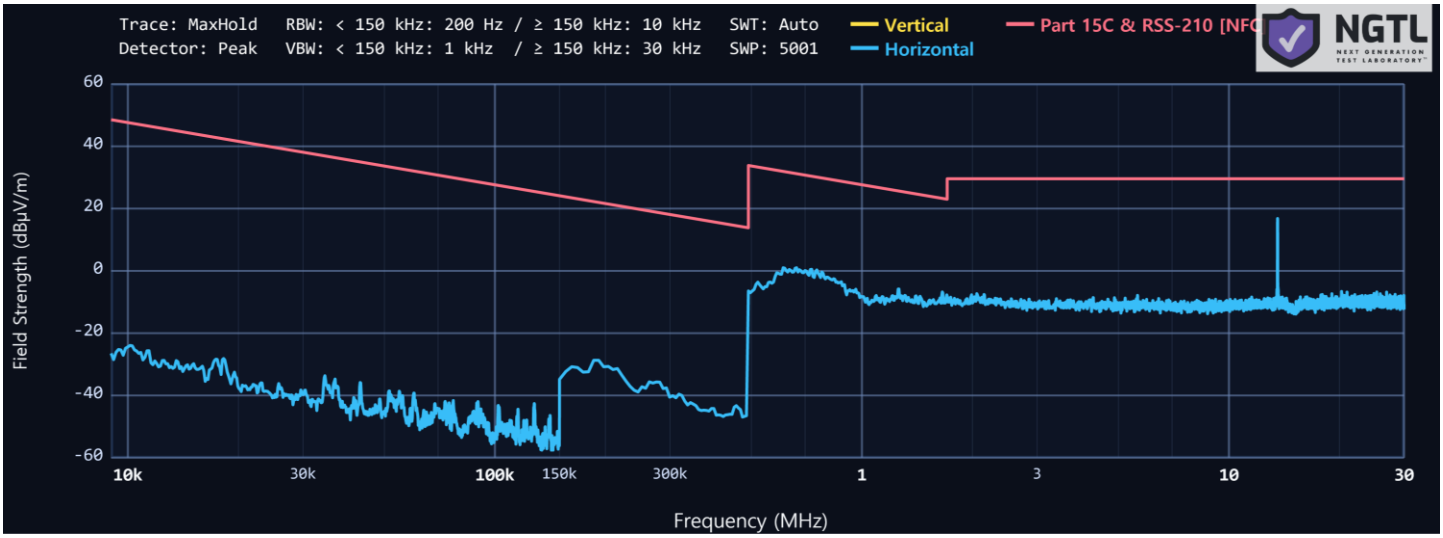


Table 4-4 9 kHz to 30 MHz Spurious Emission

Test Mode	Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBµV]	Pol [H/V]	Detector Mode	DCF [dB]	AFCL [dB/m]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]
NFC	13.56	0.034	24.67	H	PK	-80.00	21.10	-34.23	36.90	-71.14
		0.186	30.53	H	PK	-80.00	20.80	-28.67	22.22	-50.90
		1.702	11.56	H	PK	-40.00	20.80	-7.65	22.99	-30.63
		13.559	35.68	H	PK	-40.00	21.13	16.81	*Note 3	-
		23.516	10.12	H	PK	-40.00	22.20	-7.68	29.54	-37.23
		29.928	11.27	H	PK	-40.00	20.90	-7.83	29.54	-37.37

*Note 1: DCF = Distance Correction Factor

*Note 2: For frequencies below 30 MHz, the following distance correction factors were applied.

1) 3 m to 30 m: -40 dB correction

2) 3 m to 300 m: -80 dB correction

*Note 3: The 13.110–14.010 MHz frequency range, including the 13.559 MHz fundamental operating frequency, is evaluated only in Table4-3 in accordance with FCC RSS-210. It is not evaluated against the RSS-Gen radiated spurious emission limits.

Plot 4-4 30 MHz to 1000 MHz Spurious Emission

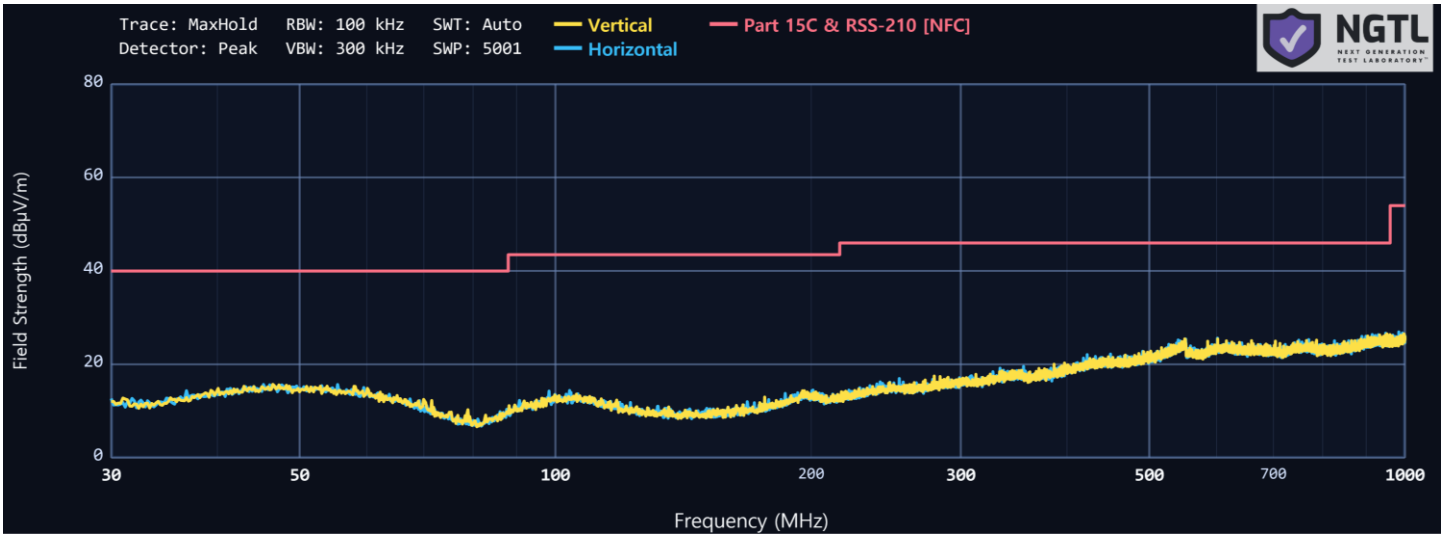


Table 4-5 30 MHz to 1000 MHz Spurious Emission

Test Mode	Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBµV]	Pol [H/V]	Detector Mode	DCF [dB]	AFCL [dB/m]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]
NFC	13.56	52.15	48.63	V	PK	0	-31.26	17.37	40	-22.63
		128.37	45.94	V	PK	0	-28.31	17.63	43	-25.37
		574.15	50.18	V	PK	0	-26.27	23.91	46	-22.09

5. AC Line Conducted Test Results

5.1. Test Configuration

AC line conducted emission testing was performed inside a 3 m semi-anechoic chamber (shielded room) in strict accordance with Clauses 6.2 of ANSI C63.10. The DUT was configured as a tabletop device and placed on a non-conducting platform with a nominal size of 1 m × 1.5 m, raised 80 cm above the reference ground plane. A vertical conducting plane or screen with a size of at least 2 m × 2 m was positioned 40 cm to the rear of the DUT. The rear of the DUT and its associated peripherals were aligned and flush with the back edge of the tabletop.

Interconnecting cables hanging closer than 40 cm to the ground plane were folded back and forth in the center, forming a bundle 30 cm to 40 cm long. Peripherals and accessories that are part of the tested system were arranged on the tabletop with a 10 cm separation between the nearest points of their cabinets.

AC line conducted emission measurements were performed over the frequency range from 150 kHz to 30 MHz. Since the fundamental frequency of the EUT does not operate within this AC power-line emission test range, the EUT was operated on the mid channel and in the operational mode producing the highest output power.

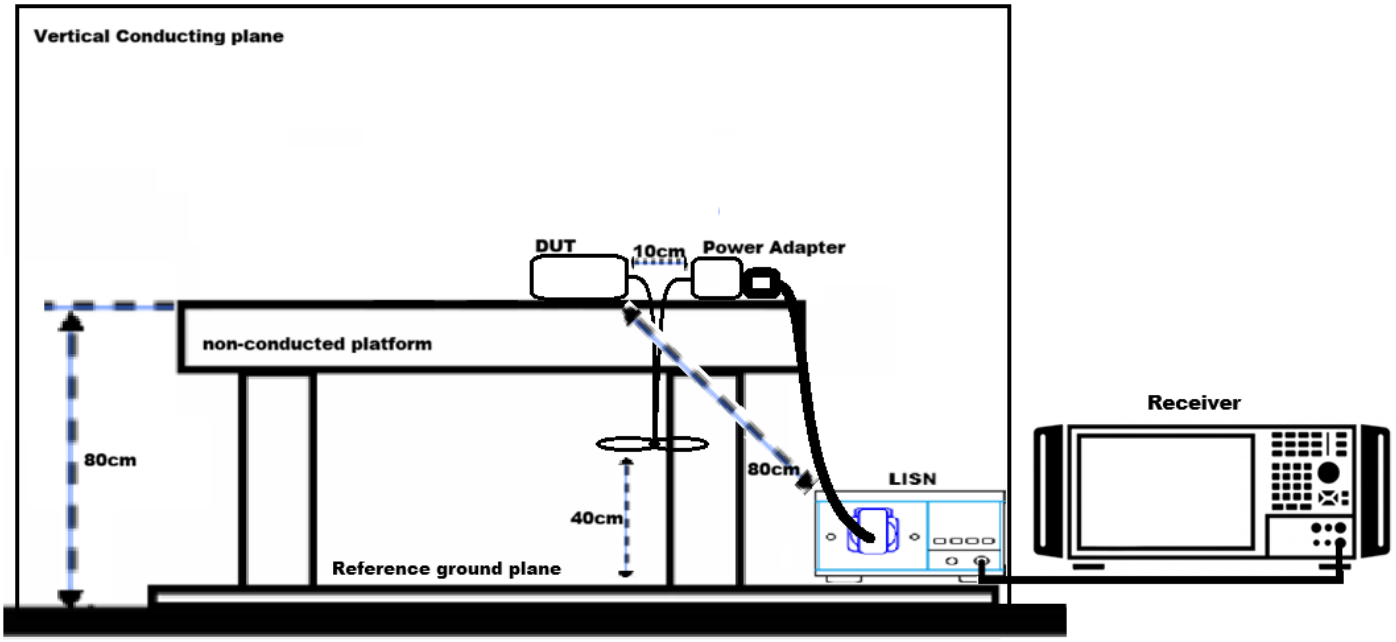
The electrical power parameters applied during the test were as follows:

- **Applied Supply Voltage:** 120 V AC
- **Applied Supply Frequency:** 60 Hz

AC Line Conducted emissions were captured using automated test software 'EMC 32' Ver. 10.60.20

5.2. AC Line Conducted Measurement Setup

Figure 5-1 AC Line Conducted Measurement Setup



5.3. AC Line Conducted Measurement Sample

Serial Number(s) : ZDR2977M

5.4. AC Line Conducted Emissions

5.4.1. Regulatory Limit

Part. 15.207(a)

Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 µH/50 Ω Line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

RSS-GEN - Section 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 µH / 50 Ω Line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

5.4.2. Test Method

ANSI C63.10 – 2020, clause 6.2

5.4.3. Test Procedure

Quasi-Peak

a) RBW = 9 kHz
b) Detector = Quasi-Peak
c) Sweep time = Auto (Coupled) or sufficient to investigate
d) Trace mode = Max-Hold

Average

a) RBW = 9 kHz
b) Detector = RMS
c) Sweep time = Auto (Coupled) or sufficient to investigate
d) Trace mode = Max-Hold

Test Note

✓ During the AC line conducted emission measurements, the DUT was configured to continuously transmit in NFC mode.

5.4.4. Test Results

Plot 5-1 NFC – Line L

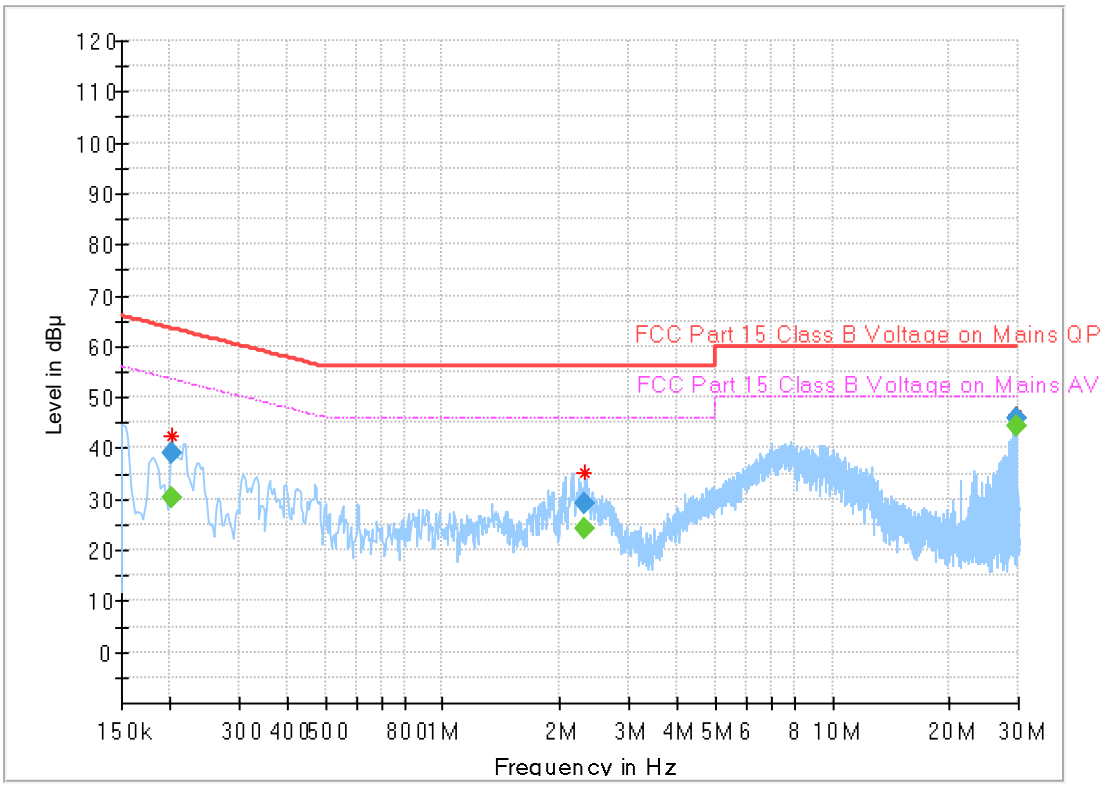


Table 5-1 NFC – Line L

Frequency [MHz]	QuasiPeak [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. (dB)
0.20	38.87	63.58	24.71	1000.00	9.00	L1	OFF	9.96
2.32	28.97	56.00	27.03	1000.00	9.00	L1	OFF	9.86
29.81	45.84	60.00	14.16	1000.00	9.00	L1	OFF	10.64
Frequency [MHz]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. (dB)
0.20	30.11	53.58	23.47	1000.00	9.00	L1	OFF	9.96
2.32	24.03	46.00	21.97	1000.00	9.00	L1	OFF	9.86
29.81	44.53	50.00	5.47	1000.00	9.00	L1	OFF	10.64

Plot 5-2 NFC – Line N

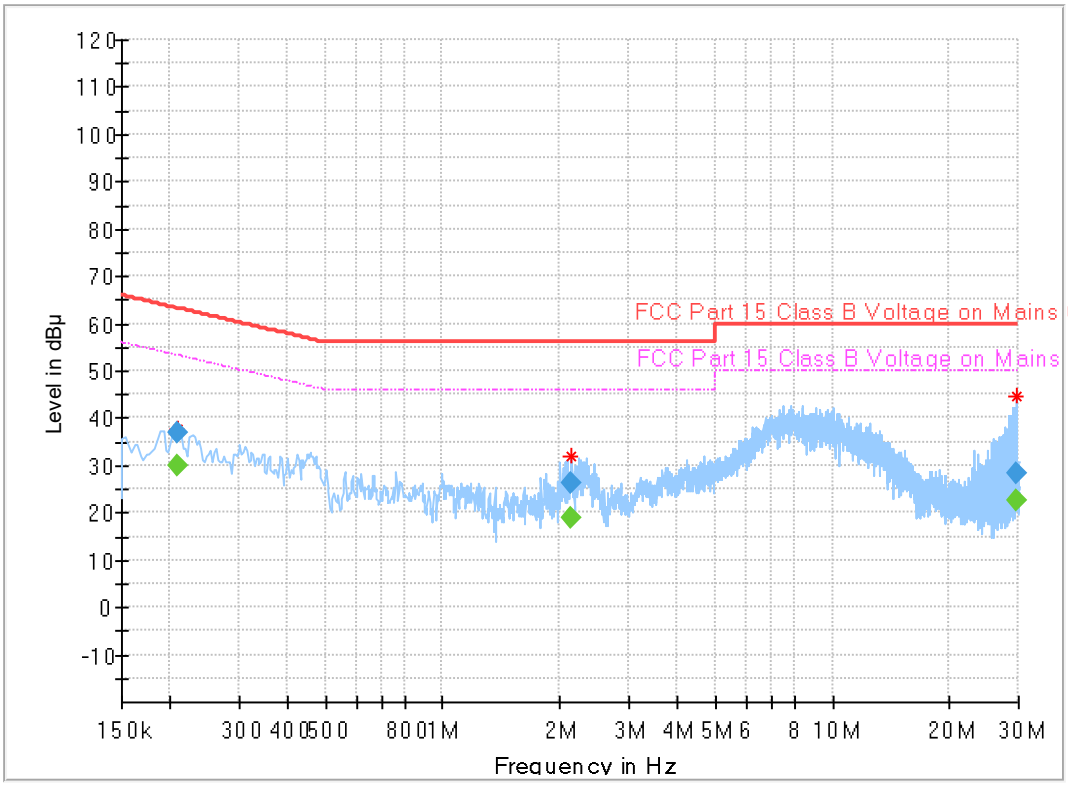


Table 5-2 NFC – Line N

Frequency [MHz]	QuasiPeak [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. (dB)
0.21	36.95	63.22	26.26	1000.00	9.00	N	OFF	9.94
2.13	26.12	56.00	29.88	1000.00	9.00	N	OFF	9.88
29.81	28.43	60.00	31.57	1000.00	9.00	N	OFF	10.70
Frequency [MHz]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. (dB)
0.21	30.11	53.22	23.11	1000.00	9.00	N	OFF	9.94
2.13	18.86	46.00	27.14	1000.00	9.00	N	OFF	9.88
29.81	22.65	50.00	27.35	1000.00	9.00	N	OFF	10.70

6. Revision History

Rev.	Issue Date	Revisions	Prepared By
00	07/10/2026	Initial Release	SK Hong
01	07/15/2026	Typographical error corrected	SK Hong
02	07/17/2026	Typographical error corrected	SK Hong
03	07/20/2026	Added test note and corrected typographical errors.	SK Hong
04	07/24/2026	Typographical error corrected	SK Hong

7. Measurement Uncertainty

Measurement Items	Frequency Range	Expanded Uncertainty (±)	
Maximum Conducted Output Power	f < 8 GHz	1.06	dB
Conducted Emissions	f < 1 GHz	0.71	dB
Conducted Emissions	f < 18 GHz	2.06	dB
Conducted Emissions	f > 18 GHz	3.12	dB
Radiated Emissions	f < 30 MHz	3.68	dB
Radiated Emissions	f < 1 GHz	4.01	dB
Radiated Emissions	f > 1 GHz	4.41	dB
Radiated Emissions	f > 18 GHz	5.23	dB
AC Line Conducted Emissions	f < 30 MHz	2.66	dB
Occupied Bandwidth		0.43	%
Time		4.8	%

The expanded measurement uncertainty is calculated at an approximate 95% confidence level (k = 2).

Note : Measurement uncertainty is for reference only. Based on Simple Acceptance, compliance is determined by directly comparing the measured data against applicable limits.

8. Equipment List

All test equipment used for the measurements was within its valid calibration interval. All test antennas were calibrated in accordance with ANSI C63.5-2017, and all test cables were calibrated in-house prior to testing. The calibration dates presented in the tables below apply only to equipment calibrated by an accredited calibration laboratory.

Table 8-1 Test Equipment and Calibration Date

Equipment Name	Manufacturer	Model	Serial Number	Cal. Date	Next Cal.
Signal & Spectrum Analyzer	Rohde & Schwarz	FSW43	103432	2026-02-13	2027-02-13
Signal & Spectrum Analyzer	Keysight	N9010B	MY56460241	2025-12-18	2026-12-18
Signal & Spectrum Analyzer	Keysight	N9040B	MY62480133	2026-01-23	2027-01-23
Signal & Spectrum Analyzer	Keysight	N9020A	MY54482751	2025-10-16	2026-10-16
Signal & Spectrum Analyzer	Keysight	N9020A	MY54480472	2026-02-24	2027-02-24
Power Sensor	Rohde & Schwarz	NRP-Z85	102404	2026-01-19	2027-01-19
EMI Test Receiver	Rohde & Schwarz	ESU40	100469	2026-01-07	2027-01-07
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101318	2026-01-19	2027-01-19
Bi-log Antenna	Schwarzbeck	VULB9163	01843	2026-01-06	2027-01-06
Signal Generator	Rohde & Schwarz	SMC100A	104214	2026-02-10	2027-02-10
Temperature&Humidity Chamber	ENEX	EN-STH-604_1K	EN202510-03	2026-01-10	2027-01-10
DC Power supply	Rohde & Schwarz	NGC101	100740	2026-01-07	2027-01-07
Two-Line V-Network	Rohde & Schwarz	ENV216	103321	2026-01-09	2027-01-09
Temperature & Humidity Meter	TESTO	608-H2	86293672	2026-04-02	2027-04-02
Vector Network Analyzer	Rohde & Schwarz	ZNL20	101202	2026-01-28	2027-01-28
Conducted Test System	Various				
Radiated Test System	Various				

Table 8-2 Conducted Test System

Equipment Name	Manufacturer	Model	Serial Number	Cal. Date	Next Cal.
Power Splitter	Mini-Circuits	ZFRSC-183-S+	FA46402540-1	2026-01-16	2027-01-16
Power Splitter	Mini-Circuits	ZFRSC-183-S+	FA46402540-2	2026-01-16	2027-01-16
DC coupler	EXYNOD	EXDC-00504000	251201	2026-01-16	2027-01-16
DC coupler	EXYNOD	EXDC-00504000	251202	2026-01-16	2027-01-16
RF Attenuator	EXYNOD	10A	008	2026-01-05	2027-01-05
RF Attenuator	EXYNOD	SN0609	0609	2026-01-05	2027-01-05
RF Cable	OSI	PLH16D-EXD	RF Cable 1	-	-
RF Cable	OSI	PLH16D-EXD	RF Cable 2	-	-
RF Cable	OSI	PLH16D-EXD	RF Cable 3	-	-
RF Cable	OSI	PLH16D-EXD	RF Cable 4	-	-
RF Cable	Rosenberger	LU7	0062	-	-
RF Cable	Rosenberger	LU7	0083	-	-

Table 8-3 Radiated Test System

Equipment Name	Manufacturer	Model	Serial Number	Cal. Date	Next Cal.
Amplifier	EXYNOD	ELNA01-40D	631307	2026-01-05	2027-01-05
Amplifier	EXYNOD	ELNA18	33686	2026-01-05	2027-01-05
Amplifier	EXYNOD	ELNA40-50	631308	2026-01-05	2027-01-05
9000 MHz High Pass Filter	Mini-Circuits	ZHFW-K9000	2537	2026-01-29	2027-01-29
18000 MHz High Pass Filter	Mini-Circuits	ZHSS-K18G+	2546	2026-01-29	2027-01-29
RF Cable	OSI	LH18-EXD	AP_X1	-	-
RF Cable	OSI	LH18-EXD	AP_X2	-	-
RF Cable	OSI	E31-EXD	AP_X3	-	-
RF Cable	OSI	E31-EXD	AP_X4	-	-
RF Cable	OSI	PLH16D-EXD	RF Cable 5	-	-

Table 8-4 Test Accessories

Test Accessories Name	Brand	Model No.	Used For
Power Adapter	SamSung	EP-TA865	AC Line Conducted
Charger Cable (C-type)	SamSung	EP-DN980	AC Line Conducted

9. Conclusion

The RF evaluation indicates that the DUT is capable of compliance with the applicable FCC&ISED technical requirements for all parameters subject to this test. These measurements were performed under worst-case operating conditions to ensure representative results. Appropriate laboratory procedures were applied to ensure the repeatability and reliability of the measurements. The results and statements relate only to the item(s) tested.

End of Test Report.