

FCC WPT REPORT

Certification

Applicant Name:
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Date of Issue:
October 17, 2023

Test Site/Location:
74, Seoicheon-ro 578 beon-gil, Majang-myeon, Icheon-
si, Gyeonggi-do, 17383 KOREA

Report No.: HCT-RF-2310-FC056

FCC ID: A3LSMS926B

APPLICANT: SAMSUNG Electronics Co., Ltd.

Model: SM-S926B/DS
Additional Model: SM-S926B
EUT Type: Mobile phone
Frequency Range: 110 kHz ~ 148 kHz(Power sharing)
Max. Transmit Power: 0.110 dBuV/m @300 m
FCC Classification: Part 15 Low Power Transmitter Below 1705 kHz (DCD)
FCC Rule Part(s): FCC Part 15, Subpart C (15.209)

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.

Report No.: HCT-RF-2310-FC056

REVIEWED BY



Report prepared by : Kyung Jun Woo
Engineer of Telecommunication Testing Center



Report approved by : Jong Seok Lee
Manager of Telecommunication Testing Center

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
This test results were applied only to the test methods required by the standard.

Test Report Statement:

The above Test Report is not related to the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA.

The report shall not be reproduced except in full(only partly) without approval of the laboratory.

Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-2310-FC056	October 17, 2023	- First Approval Report

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1. EUT DESCRIPTION

Model	SM-S926B/DS
Additional Model	SM-S926B
EUT Type	Mobile phone
Power Supply	DC 3.88 V
Frequency Range	110 kHz ~ 148 kHz
Max. Transmit Power	0.110 dBuV/m @300 m
Date(s) of Tests	August 30, 2023 ~ October 15, 2023
Serial number	Radiated: R3CW70NE10P

2. TEST METHODOLOGY

The measurement procedure described in the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Device (ANSI C63.10-2013) is used in the measurement of the test device.

EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.205, 15.207 and 15.209 under the FCC Rules Part 15 Subpart C.

GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2013) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1 GHz. Above 1 GHz with 1.5 m using absorbers between the EUT and receive antenna. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 6.6.5 of ANSI C63.10. (Version: 2013).

3. 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's, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

4. FACILITIES AND ACCREDITATIONS

FACILITIES

The SAC(Semi-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, 17383, Rep. of KOREA.

The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.

Detailed description of test facility was submitted to the Commission and accepted dated March 31, 2022 (CAB identifier: KR0032).

EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5. ANTENNA REQUIREMENTS

According to FCC 47 CFR §15.203:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

- (1) The antennas of this E.U.T are permanently attached.
- (2) The E.U.T Complies with the requirement of §15.203

6. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence.

The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	1.90 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.14 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.82 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.74 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.76 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (Above 40 GHz)	5.52 (Confidence level about 95 %, $k=2$)

7. WORST CASE CONFIGURATION

Mode	EUT State	Position of Client device	Battery of Client device	Client device
Power sharing	Charging from EUT to Client device	Aligned	1 % ~ 20 %	Phone (See Note 2)
			20 % ~ 50 %	
			90 % ~ 100 %	
		Cross	1 % ~ 20 %	
			20 % ~ 50 %	
			90 % ~ 100 %	
	Charging from EUT(Charging from TA) to Client device	Aligned	1 % ~ 20 %	
			20 % ~ 50 %	
			90 % ~ 100 %	
		Cross	1 % ~ 20 %	
			20 % ~ 50 %	
			90 % ~ 100 %	

Note:

1. Client device:

Of Phone, earbuds and Wearable device, we tested on Phone.

2. Phone(Client device):

- Model : SM-G986B/DS
- Manufacturer : SAMSUNG
- FCC ID : A3LSMG986B
- S/N : R5CN101A0JM

3. All EUT States of operation were investigated and the worst case configuration results are reported.

- Mode : Charging from EUT(Charging from TA) to Client device,
Charging from EUT to Client device

- Worst case : Charging from EUT(Charging from TA) to Client device

4. EUT can operate the power sharing mode when battery level is over 30%.

Because test results are not different between fully charged status and battery level 30% status(EUT condition), test were performed fully charged condition.

5. Battery of Client device:

All modes of operation were investigated and the worst case configuration results are reported.
(Worstcase : 1 % ~ 20 % of Battery)

6. All position of loop antenna were investigated and the worst position results are reported.

- Position : Horizontal, Vertical, Parallel to the ground plane
- Worst Position : Horizontal

7. The EUT was tested in three orthogonal axis(X, Y, Z) and the worst position results are reported.

- Axis : X, Y, Z
- Worst Axis : X

8. SM-S926B/DS, SM-S926B were tested and the worst case results are reported.

(Worst case : SM-S926B/DS)

AC Power line Conducted Emissions

1. All modes of operation were investigated and the worst case configuration results are reported.
 - Mode : EUT + External accessories(Earphone, etc) + Travel Adapter + Phone(Client device)
 , EUT + Travel Adapter + Phone(Client device)
 - Worst case : EUT + Travel Adapter + Phone(Client device)
2. SM-S926B/DS, SM-S926B were tested and the worst case results are reported.
(Worst case : SM-S926B/DS)

8. TEST SUMMARY

Test Description	FCC Rule	Limit	Condition	Result
Radiated emission	§15.209	cf. Section 9	Radiated	Pass
AC Power Line Conducted Emission	§15.207	cf. Section 10		Pass
Emission bandwidth.	§2.1049	<u>See note1</u>		<u>See note1</u>

Note:

1. For reporting purposes only.

9. RADIATED EMISSION MEASUREMENT

Test Settings

1. Analyzer frequency set to the frequency of the radiated spurious emission of interest.
2. RBW :
9 kHz – 150 kHz : 300 Hz
150 kHz – 30 MHz : 10 kHz
30 MHz – 1G Hz : 100 kHz
3. VBW : $\geq 3 \times$ RBW
4. Sweep time : Auto couple
5. Detector : Peak
6. Trace : Maxhold
7. Trace was allowed to stabilize

Limit

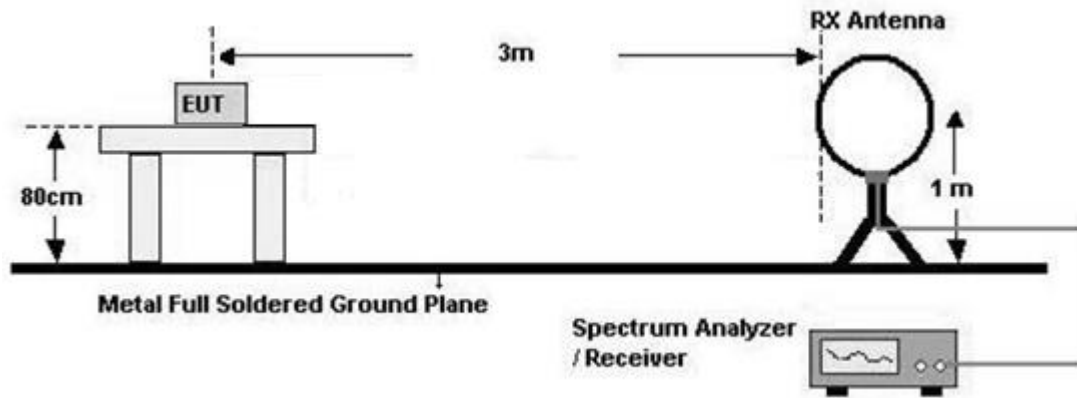
Except as provided elsewhere in this paragraph the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Rule Part	Frequency (MHz)	Limit
Part 15.209	0.009 ~ 0.490	2400/F(kHz) μ V/m@300 m
	0.490 ~1.705	24000/F(kHz) μ V/m@30 m
	1.705 ~ 30	30 μ V/m@30 m
	30 ~ 88	100 ** μ V/m@3 m
	88 ~ 216	150 ** μ V/m@3 m
	216 ~ 960	200 ** μ V/m@3 m
	Above 960	500 μ V/m@3 m

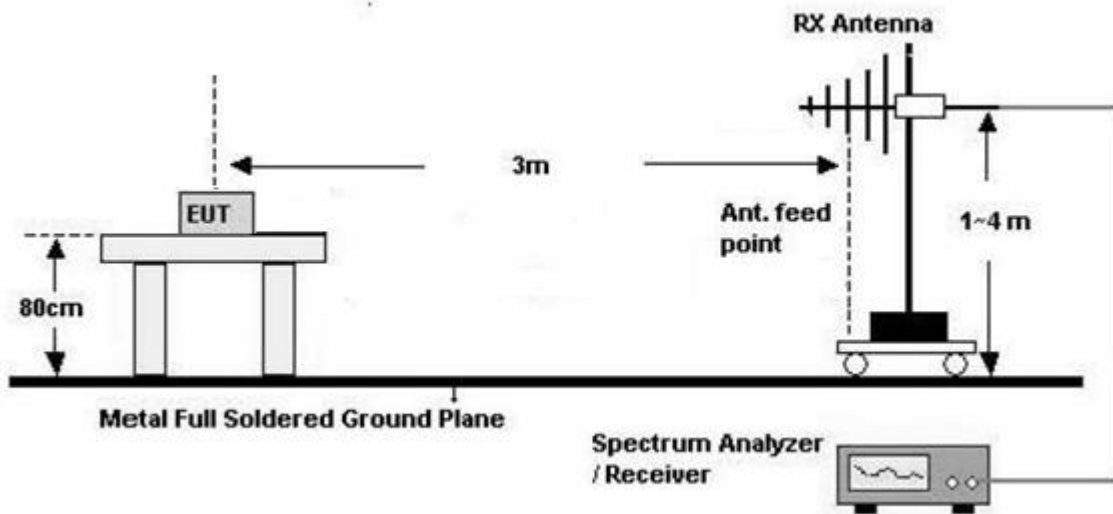
** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

Test Set-up

Below 30 MHz



30 MHz - 1 GHz



Test Procedure of Radiated spurious emissions(Below 30 MHz)

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The loop antenna was placed at a location 3 m from the EUT.
3. The EUT is placed on a turntable, which is 0.8 m above ground plane.
4. We have done x, y, z planes in EUT and horizontal and vertical polarization and Parallel to the ground plane in detecting antenna.
5. The limit is converted from microvolts/meter to decibel microvolts/meter. Sample Calculation:
 - * Result Value(dBμV/m@30 m)
 - = Measured Value(dBμV/m@3 m) + Ant factor(dB/m) + Cable Loss(dB)
 - Distance Correction Factor(dB)
6. Distance Correction
 - * 0.009 MHz – 0.490 MHz :
 - $40\log(3\text{ m}/300\text{ m}) = -80\text{ dB}$
 - * 0.490 MHz – 30 MHz :
 - $40\log(3\text{ m}/30\text{ m}) = -40\text{ dB}$
7. Plots were taken without using any correction factors.
8. The worst case plots are reported.

KDB 414788 OFS and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Test Procedure of Radiated spurious emissions(Below 1 GHz)

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The EUT is placed on a turntable, which is 0.8m above ground plane.
3. The Hybrid antenna was placed at a location 3 m from the EUT, which is varied from 1m to 4m to find out the highest emissions.
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Spectrum Setting
 - (1) Measurement Type(Peak):
 - Measured Frequency Range : 30 MHz – 1 GHz
 - Detector = Peak
 - Trace = Maxhold
 - RBW = 100 kHz
 - VBW $\geq 3 \times$ RBW
7. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L)
8. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

Test Result

Frequency (kHz)	Reading Level (dBμV/m)@3m	Ant.Factor (dB/m)	Cable Loss (dB)	Distance Correction (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
18.271	35.93	19.20	0.45	-80.00	-24.420	42.37	66.79
104.319	18.51	19.60	0.54	-80.00	-41.350	27.24	68.59
#110.294	54.98	19.60	0.54	-80.00	-4.880	26.75	31.63
330.190	39.18	19.50	0.56	-80.00	-20.760	17.23	37.99
1779.300	13.19	19.50	0.65	-40.00	-6.660	29.54	36.20

Note

1. “#” Fundamental Frequency
2. EUT Mode: Charging from EUT(Charging from TA) to Phone
3. Position: Aligned
4. 30 MHz – 1GHz : No Critical peaks found
5. The fundamental frequency(110kHz – 148kHz) varies depending on the position of client device.
All fundamental frequency were investigated and the worst results are reported.

Frequency (kHz)	Reading Level (dBμV/m)@3m	Ant.Factor (dB/m)	Cable Loss (dB)	Distance Correction (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
18.180	37.24	19.20	0.45	-80.00	-23.110	42.41	65.52
105.006	27.20	19.60	0.54	-80.00	-32.660	27.18	59.84
#110.969	59.97	19.60	0.54	-80.00	0.110	26.70	26.59
332.520	47.52	19.50	0.56	-80.00	-12.420	17.17	29.59
1885.400	17.87	19.50	0.65	-40.00	-1.980	29.54	31.52

Note

1. “#” Fundamental Frequency
2. EUT Mode: Charging from EUT(Charging from TA) to Phone
3. Position: Crossed
4. 30 MHz – 1GHz : No Critical peaks found
5. The fundamental frequency(110kHz – 148kHz) varies depending on the position of client device.
All fundamental frequency were investigated and the worst results are reported.

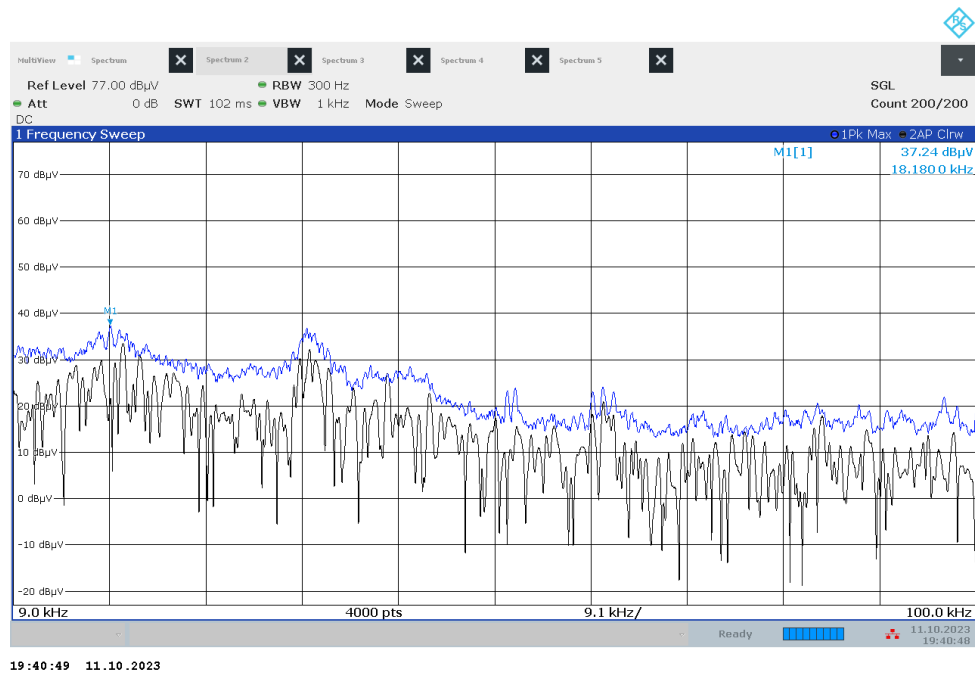
Test Plot

In order to simplify the report, the worst case results are reported.

Worst case

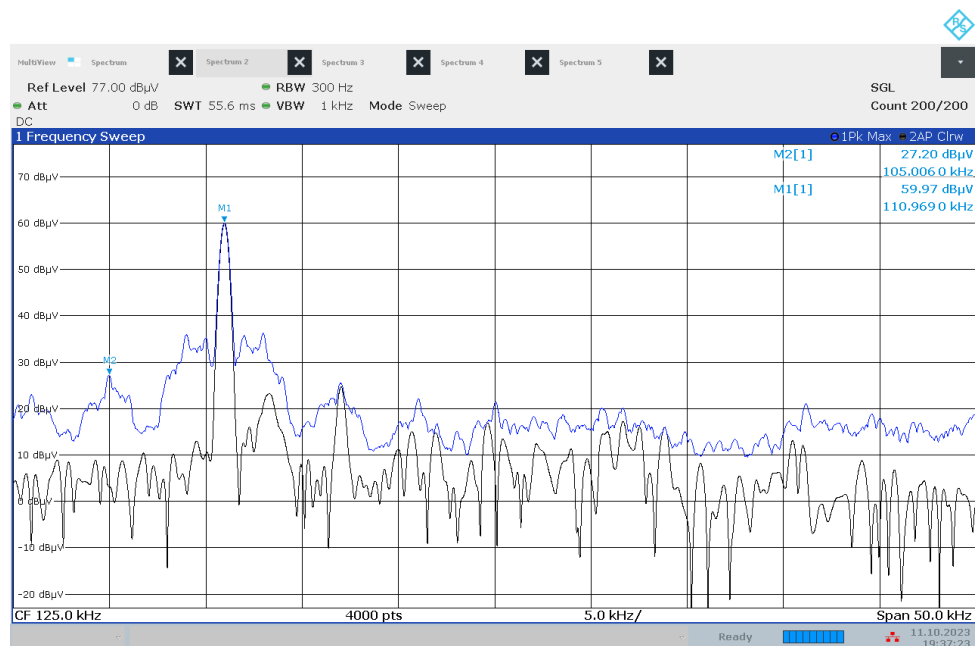
- EUT Mode: Charging from EUT(Charging from TA) to Phone
- Position: Crossed

Frequency Range : 9 kHz – 100kHz



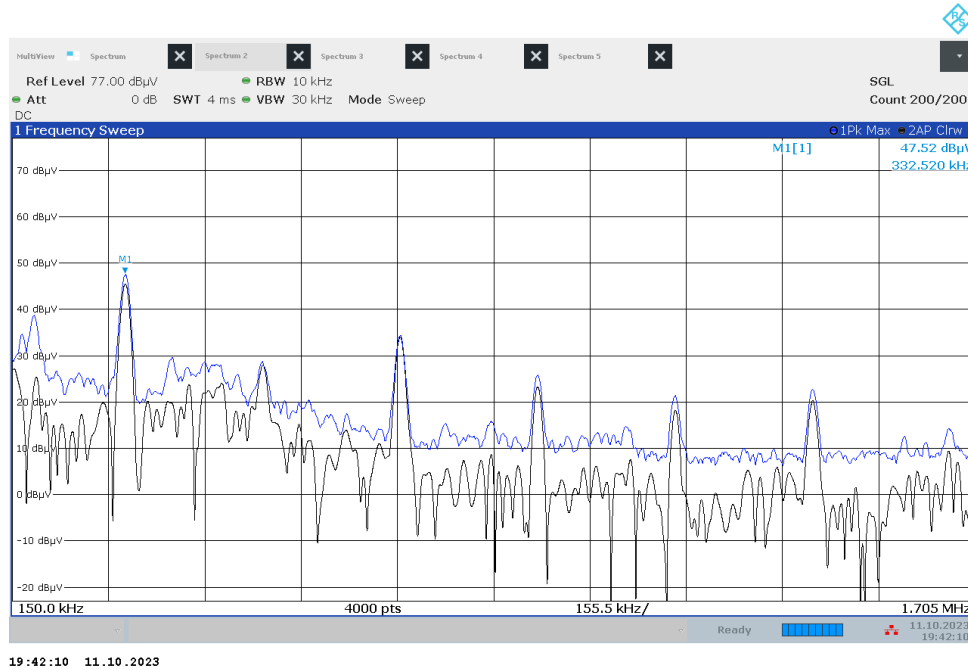
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Frequency Range : 100 kHz – 150kHz

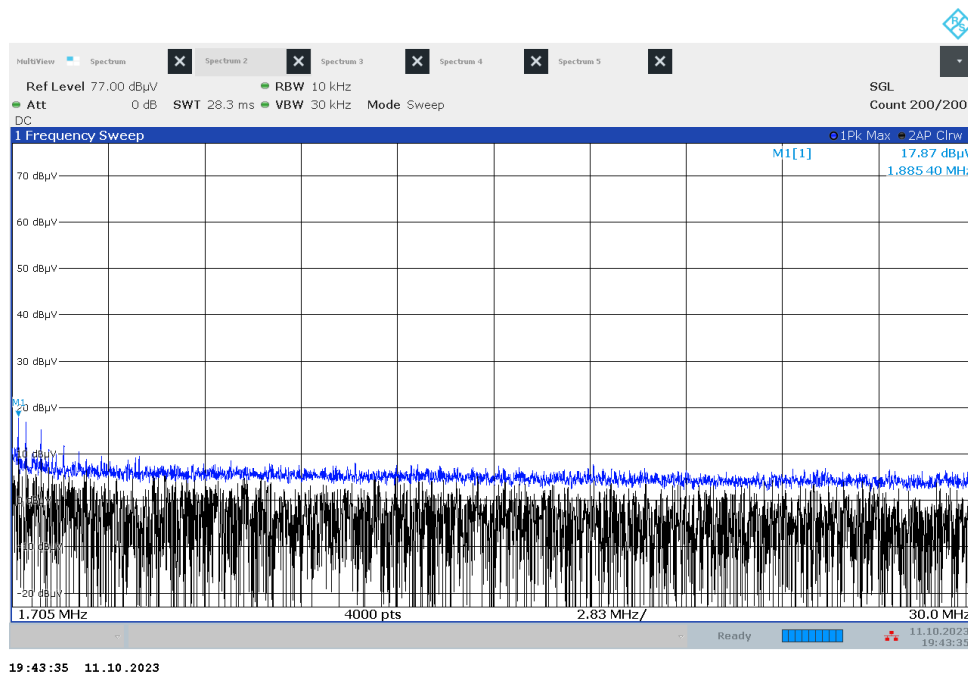


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Frequency Range : 150 kHz – 1.705 MHz



Frequency Range : 1.705 MHz – 30 MHz



Frequency Range : 30 MHz – 1 GHz
(30 MHz – 1GHz : No Critical peaks found)

10. POWERLINE CONDUCTED EMISSIONS

Limit

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 μ H/50 ohms line impedance stabilization network (LISN).

Frequency Range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56 ^(a)	56 to 46 ^(a)
0.50 to 5	56	46
5 to 30	60	50

^(a)Decreases with the logarithm of the frequency.

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Annex A for the actual connections between EUT and support equipment.

Test Procedure

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors : Quasi Peak and Average Detector.
5. The EUT is the device operating below 30 MHz.
 - For unterminated the Antenna, the AC line conducted tests are performed with the antenna connected
 - For terminated the Antenna, the AC line conducted tests are performed with a dummy load connected to the EUT antenna output terminal.

Sample Calculation

Quasi-peak(Final Result) = Measured Value + Correction Factor

Test Result & Plot

Test

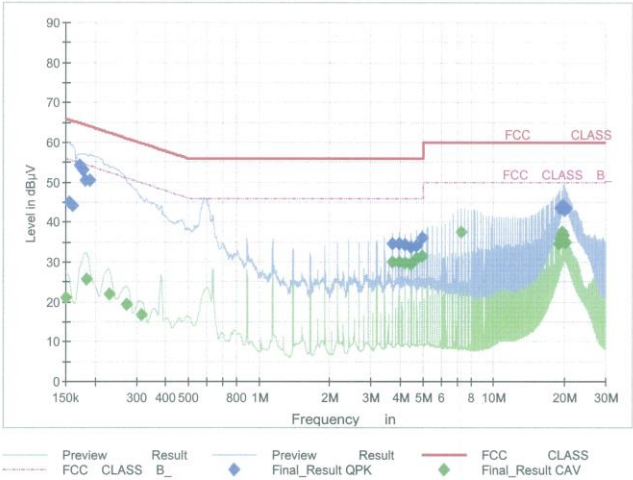
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Test Report

Common Information

EUT : SM-S926B/DS
Operating Conditions : WPT Mode_Cross
Comment :

Full Spectrum



Final Result QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1545	45.01	65.75	20.74	9.000	N	9.6
0.1613	44.28	65.40	21.12	9.000	L1	9.6
0.1725	54.28	64.84	10.56	9.000	N	9.6
0.1770	52.95	64.63	11.68	9.000	N	9.6
0.1815	50.43	64.42	13.98	9.000	N	9.6
0.1905	50.39	64.02	13.62	9.000	N	9.6
3.6905	34.68	56.00	21.32	9.000	L1	9.8
3.9448	34.68	56.00	21.32	9.000	L1	9.8
4.1990	34.33	56.00	21.67	9.000	L1	9.8
4.4533	33.65	56.00	22.35	9.000	L1	9.8
4.7075	33.95	56.00	22.05	9.000	L1	9.8
4.9640	35.98	56.00	20.02	9.000	L1	9.8
19.2178	43.56	60.00	16.44	9.000	L1	10.3
19.4743	44.13	60.00	15.87	9.000	L1	10.3
19.7285	44.01	60.00	15.99	9.000	L1	10.3
19.9828	42.91	60.00	17.09	9.000	L1	10.3
19.9873	43.51	60.00	16.49	9.000	L1	10.3
20.2370	43.67	60.00	16.33	9.000	L1	10.3

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Test

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Final Result CAV

Frequency (MHz)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1500	21.16	56.00	34.84	9.000	N	9.6
0.1838	25.55	54.31	28.77	9.000	N	9.6
0.2288	21.96	52.50	30.54	9.000	N	9.6
0.2715	19.18	51.07	31.89	9.000	L1	9.6
0.3165	16.77	49.80	33.03	9.000	L1	9.6
3.6905	29.93	46.00	16.07	9.000	L1	9.8
3.9448	29.92	46.00	16.08	9.000	L1	9.8
4.1990	29.60	46.00	16.40	9.000	L1	9.8
4.4533	29.32	46.00	16.68	9.000	L1	9.8
4.7098	30.84	46.00	15.16	9.000	L1	9.8
4.9640	31.44	46.00	14.56	9.000	L1	9.8
7.2545	37.45	50.00	12.55	9.000	L1	9.9
18.9635	34.73	50.00	15.27	9.000	L1	10.3
19.2178	36.09	50.00	13.91	9.000	L1	10.3
19.4743	37.43	50.00	12.57	9.000	L1	10.3
19.7285	36.62	50.00	13.38	9.000	L1	10.3
19.9828	35.07	50.00	14.93	9.000	L1	10.3
20.2370	34.99	50.00	15.01	9.000	L1	10.3

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Test

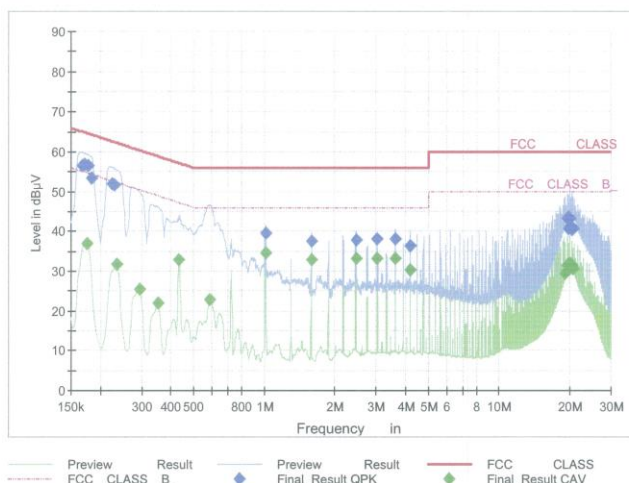
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Test Report

Common Information

EUT : SM-S926B/DS
Operating Conditions : WPT Mode_Align
Comment :

Full Spectrum



Final Result QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1680	56.61	65.06	8.44	9.000	N	9.6
0.1725	56.69	64.84	8.15	9.000	N	9.6
0.1770	56.62	64.63	8.00	9.000	N	9.6
0.1838	53.35	64.31	10.96	9.000	N	9.6
0.2243	51.95	62.66	10.72	9.000	N	9.6
0.2288	51.61	62.50	10.88	9.000	N	9.6
1.0130	39.41	56.00	16.59	9.000	L1	9.7
1.5913	37.58	56.00	18.42	9.000	L1	9.7
2.4575	37.73	56.00	18.27	9.000	L1	9.7
3.0358	37.99	56.00	18.02	9.000	L1	9.8
3.6140	37.98	56.00	18.02	9.000	L1	9.8
4.1923	36.31	56.00	19.69	9.000	L1	9.8
19.5170	43.34	60.00	16.66	9.000	L1	10.3
19.8050	43.69	60.00	16.31	9.000	L1	10.3
19.8095	40.53	60.00	19.47	9.000	L1	10.3
20.0953	43.33	60.00	16.67	9.000	L1	10.3
20.3855	40.29	60.00	19.71	9.000	L1	10.3
20.6735	40.79	60.00	19.21	9.000	L1	10.4

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Test

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Final Result CAV

Frequency (MHz)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1748	37.00	54.73	17.74	9.000	N	9.6
0.2355	31.69	52.25	20.56	9.000	N	9.6
0.2940	25.31	50.41	25.10	9.000	N	9.6
0.3525	21.79	48.90	27.11	9.000	L1	9.6
0.4335	32.86	47.19	14.33	9.000	L1	9.6
0.5833	22.84	46.00	23.16	9.000	L1	9.6
1.0130	34.62	46.00	11.38	9.000	L1	9.7
1.5913	32.79	46.00	13.21	9.000	L1	9.7
2.4575	33.06	46.00	12.94	9.000	L1	9.7
3.0358	33.13	46.00	12.87	9.000	L1	9.8
3.6140	33.22	46.00	12.78	9.000	L1	9.8
4.1923	30.34	46.00	15.66	9.000	L1	9.8
19.2290	29.48	50.00	20.52	9.000	L1	10.3
19.5170	31.33	50.00	18.67	9.000	L1	10.3
19.8073	31.16	50.00	18.84	9.000	L1	10.3
20.0953	31.92	50.00	18.08	9.000	L1	10.3
20.3855	31.35	50.00	18.65	9.000	L1	10.3
20.6735	30.68	50.00	19.32	9.000	L1	10.4

2023-10-10

오전 11:21:42

11. EMISSION BANDWIDTH

Test Settings

1. Analyzer frequency set to the frequency of the radiated spurious emission of interest.
2. RBW : 300 Hz
(Becasuse the measured signal is CW/CW-like,adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.)
3. VBW : $\geq 3 \times \text{RBW}$
4. Sweep time : Auto couple
5. Detector : Peak
6. Trace : Maxhold
7. Trace was allowed to stabilize

Limit

None

(for reporting purposes only.)

■ Test Result

EUT Mode	Position	Test Frequency (kHz)	20 dB Bandwidth (Hz)	Occupied Bandwidth 99% BW(Hz)
Charging from EUT(Charging from TA) to Phone	Aligned	110.294	764	880
	Cross	110.969	745	871

■ Test Plot

Note:

In order to simplify the report, the worst case results are reported.

Charging from EUT(Charging from TA) to Phone Position : Crossed



11. LIST OF TEST EQUIPMENT

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	S3AM	08/03/2025	Biennial
LISN	ENV216	Rohde & Schwarz	102245	08/02/2024	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	05/26/2024	Annual
Controller	EM2090	Emco	060520	N/A	N/A
Turn Table	N/A	Ets	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/17/2024	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	08/16/2024	Biennial
Spectrum Analyzer	FSVA40 (10 Hz ~ 40 GHz)	Rohde & Schwarz	101502	03/17/2024	Annual
Spectrum Analyzer	FSV40-N(9 kHz ~ 30 GHz)	Rohde & Schwarz	101068-SZ	08/30/2024	Annual
RF Switching System	FBSR-03A (3dB ATT+LNA)	T&M SYSTEM	S3L4	12/05/2023	Annual
RF Switching System	FBSR-03A (10dB ATT+LNA)	T&M SYSTEM	S3L2	12/05/2023	Annual
Spectrum Analyzer	FSW	Rohde & Schwarz	101736	05/18/2024	Annual

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. Annex A_TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2310-FC056-P