

TEST REPORT

FCC Digitizer Test for SM-P620 Certification

APPLICANT SAMSUNG Electronics Co., Ltd.

REPORT NO. HCT-RF-2402-FC033

DATE OF ISSUE February 20, 2024

> Tested by Jin Gwan Lee

Technical Manager Jong Seok Lee

Mrzy A.

HCT CO., LTD. Bongjai Huh / CEO

F-TP22-03(Rev.05)

The report shall not be (partly) reproduced except in full without approval of the laboratory. **HCT CO., LTD.** 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA Tel. +82 31 645 6300 Fax. +82 31 645 6401



HCT Co., Ltd.

74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA Tel. +82 31 645 6300 Fax. +82 31 645 6401

T E S T R E P O R T	REPORT NO. HCT-RF-2402-FC033 DATE OF ISSUE February 20, 2024
Applicant	SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Eut Type	Tablet
Model Name	SM-P620
FCC ID	A3LSMP620
FCC Classification	Part 15 Low Power Transmitter Below 1705 kHz (DCD)
FCC Rule Part(s)	FCC Part 15, Subpart C (15.209)
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	February 20, 2024	Initial Release

Notice

Content	
---------	--

According to the Evaluation report, all of the data contained herein is reused from the reference FCC ID : A3LSMP625 report.

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).



CONTENTS

1. EUT DESCRIPTION	5
2. TEST METHODOLOGY	6
EUT CONFIGURATION	6
EUT EXERCISE	6
GENERAL TEST PROCEDURES	6
3. INSTRUMENT CALIBRATION	7
4. FACILITIES AND ACCREDITATIONS	7
FACILITIES	7
EQUIPMENT	7
5. ANTENNA REQUIREMENTS	7
6. MEASUREMENT UNCERTAINTY	8
7. WORST CASE CONFIGURATION	9
8. TEST SUMMARY	10
9. RADIATED EMISSION MEASUREMENT	11
10. POWERLINE CONDUCTED EMISSIONS	19
11. EMISSION BANDWIDTH PLOT	22
12. LIST OF TEST EQUIPMENT	24
13. Annex A_TEST SETUP PHOTO	25



1. EUT DESCRIPTION

Model	SM-P620				
Additional Model	-				
EUT Type	Tablet				
Power Supply	DC 3.85 V				
Frequency of Operation	Digitizer: 531.25 kHz – 593.75 kHz				
Mode of Operation	1. S-pen Digitizer - Button : 531.25 kHz - Writing : 562.50 kHz - Eraser : 593.75 kHz				
Max. Transmit Power	Digitizer: 11.207 dBμV/m @30 m				
Date(s) of Tests	January 18, 2024 ~ February 16, 2024				
Serial number	Radiated : R32WC003PPJ				



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 (Registration Number: 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)	1.98 (Confidence level about 95 %, <i>k</i> =2)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.36 (Confidence level about 95 %, <i>k</i> =2)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.70 (Confidence level about 95 %, <i>k</i> =2)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.52 (Confidence level about 95 %, <i>k</i> =2)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.66 (Confidence level about 95 %, <i>k</i> =2)
Radiated Disturbance (Above 40 GHz)	5.58 (Confidence level about 95 %, <i>k</i> =2)





7. WORST CASE CONFIGURATION

Mode	EUT State	Digitizer mode
	Stand alone	Button,
S-pen Digitizer		Writing,
	Stand alone + AC adapter	Eraser

Note:

1. S-pen (Client device):

- Model : CP-911-01B-X
- Manufacturer : WACOM
- 2. S-pen charging:
 - EUT is not supported S-pen charging
- 3. 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
- 4. The EUT was tested in three orthogonal axis(X, Y, Z) and the worst position results are reported.
 - Axis : X, Y, Z
 - Worst Axis : Y

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) + Travel Adapter + S-Pen(Client device),
 - EUT + Travel Adapter + S-Pen(Client device)
 - Worstcase : EUT + Travel Adapter + S-Pen(Client device)



8. TEST SUMMARY

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

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 x RBW
- 4. Sweep time : Auto couple
- 5. Detector : Peak
- 6. Trace : Maxhold
- 7. Trace was allowed to stabilize

<u>Limit</u>

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:

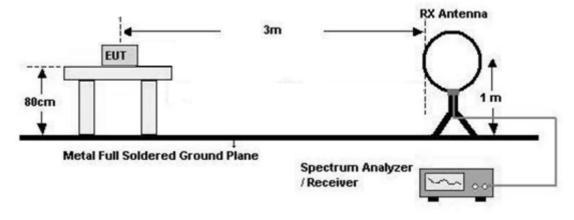
Rule Part	Frequency (MHz)	Limit	
	0.009 ~ 0.490	2400/F(kHz) μV/m@300 m	
	0.490 ~1.705	24000/F(kHz) μV/m@30 m	
	1.705 ~ 30	30 μV/m@30 m	
Part 15.209	30 ~ 88	100 ** μV/m@3 m	
	88 ~ 216	150 ** μV/m@3 m	
	216 ~ 960	200 ** μV/m@3 m	
	Above 960	500 μV/m@3 m	

 ** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72MHz, 76-88 MHz, 174-216 MHzor470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

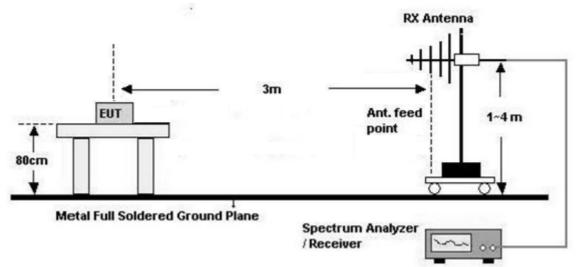


Test Set-up

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 :
 - 40log(3 m/300 m) = 80 dB
 - * 0.490 MHz 30 MHz :
 - 40log(3 m/30 m) = 40 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 x 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 (Digitizer S-pen)

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Result Value	Limit	Margin
(kHz)	(dBuV/m)@3m	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
18.541	37.475	19.20	0.45	-80.00	-22.875	42.24	65.12
153.120	28.949	19.60	0.54	-80.00	-30.911	23.90	54.81
#526.250	31.158	19.50	0.55	-40.00	11.208	33.18	21.97
690.000	15.420	19.50	0.55	-40.00	-4.530	30.83	35.36

Note

1. Mode: Button

2. "#": Fundamental Frequency

3. EUT state: Stand alone

4. 30 MHz – 1GHz : No Critical peaks found

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Result Value	Limit	Margin
(kHz)	(dBuV/m)@3m	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
40.349	65.629	19.60	0.39	-80.00	5.619	35.49	29.87
150.000	51.861	19.60	0.54	-80.00	-7.999	24.08	32.08
#528.880	31.688	19.50	0.55	-40.00	11.738	33.14	21.40
934.000	20.134	19.50	0.55	-40.00	0.184	28.20	28.01

Note

1. Mode: Button

2. "#": Fundamental Frequency

3. EUT state: Stand alone + AC adapter

4. 30 MHz – 1GHz : No Critical peaks found

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Result Value	Limit	Margin
(kHz)	(dBuV/m)@3m	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
19.622	38.636	19.20	0.45	-80.00	-21.714	41.75	63.46
192.840	29.365	19.60	0.54	-80.00	-30.495	21.90	52.40
#561.410	30.043	19.50	0.55	-40.00	10.093	32.62	22.53
670.000	14.518	19.50	0.55	-40.00	-5.432	31.08	36.51

Note

1. Mode: Writing

2. "#": Fundamental Frequency

3. EUT state: Stand alone

4. 30 MHz – 1GHz : No Critical peaks found



Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Result Value	Limit	Margin
(kHz)	(dBuV/m)@3m	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
40.255	65.350	19.60	0.39	-80.00	5.340	35.51	30.17
162.960	50.154	19.60	0.54	-80.00	-9.706	23.36	33.07
#564.400	31.157	19.50	0.55	-40.00	11.207	32.57	21.37
846.000	19.484	19.50	0.55	-40.00	-0.466	29.06	29.52

Note

1. Mode: Writing

2. "#": Fundamental Frequency

3. EUT state: Stand alone + AC adapter

4. 30 MHz – 1GHz : No Critical peaks found

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Result Value	Limit	Margin
(kHz)	(dBuV/m)@3m	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
19.434	38.369	19.20	0.45	-80.00	-21.981	41.83	63.81
155.160	29.696	19.60	0.54	-80.00	-30.164	23.79	53.95
#592.450	29.561	19.50	0.55	-40.00	9.611	32.15	22.54
690.000	15.118	19.50	0.55	-40.00	-4.832	30.83	35.66

Note

1. Mode: Eraser

2. "#": Fundamental Frequency

3. EUT state: Stand alone

4. 30 MHz – 1GHz : No Critical peaks found

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Result Value	Limit	Margin
(kHz)	(dBuV/m)@3m	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
39.973	64.653	19.60	0.39	-80.00	4.643	35.57	30.93
161.520	49.992	19.60	0.54	-80.00	-9.868	23.44	33.31
#594.590	29.645	19.50	0.55	-40.00	9.695	32.12	22.42
856.000	19.433	19.50	0.55	-40.00	-0.517	28.95	29.47

Note

1. Mode: Eraser

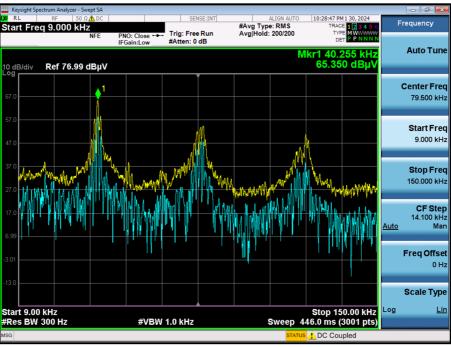
2. "#": Fundamental Frequency

3. EUT state: Stand alone + AC adapter

4. 30 MHz - 1GHz : No Critical peaks found



Test Plot (Digitizer S-pen) In order to simplify the report, the worst case results are reported.
Worst case - Mode: Digitizer(Writing) Stand alone + AC adapter



Frequency Range : 9 kHz – 150 kHz

Frequency Range : 150 kHz – 510 kHz

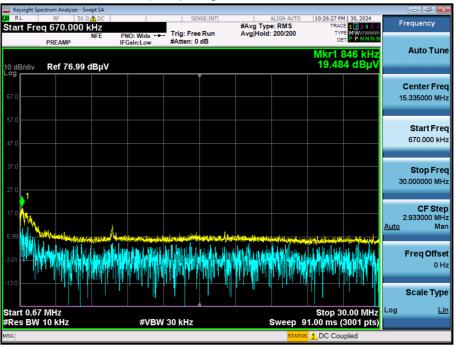






Frequency Range : 510 kHz – 670 kHz

Frequency Range : 670 kHz – 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).

	Limits (dBµV)				
Frequency Range (MHz)	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

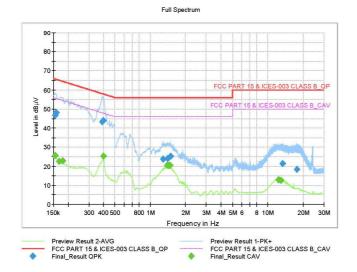
Test

1/2

Test Report

Common Information

EUT : Operating Conditions : Comment : SM-P625 Digitizer Mode



Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1545	46.57	65.75	19.18	9.000	N	9.6
0.1590	48.11	65.52	17.41	9.000	N	9.6
0.3908	43.47	58.05	14.57	9.000	N	9.6
0.3975	43.97	57.91	13.93	9.000	N	9.6
1.2898	23.86	56.00	32.14	9.000	L1	9.7
1.4090	24.21	56.00	31.79	9.000	L1	9.7
1.4855	25.20	56.00	30.80	9.000	N	9.7
13.3970	21.27	60.00	38.73	9.000	N	10.2
17.6990	18.22	60.00	41.78	9.000	N	10.4

2024-02-14

오후 2:52:17





2/2

Final_Result_CAV

Test

Frequency (MHz)	CAverage (dBμV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1545	25.58	55.75	30.18	9.000	N	9.6
0.1680	22.67	55.06	32.39	9.000	N	9.6
0.1793	22.87	54.52	31.65	9.000	N	9.6
0.3998	25.31	47.86	22.55	9.000	L1	9.6
1.3865	20.42	46.00	25.58	9.000	N	9.7
1.4338	20.54	46.00	25.46	9.000	N	9.7
1.4698	20.57	46.00	25.43	9.000	N	9.7
12.3418	12.92	50.00	37.08	9.000	Ν	10.2
12.9650	12.74	50.00	37.26	9.000	N	10.2

2024-02-14

오후 2:52:17

F-TP22-03 (Rev. 05)

Page 21 of 25

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



11. EMISSION BANDWIDTH PLOT

Test Settings

- 1. Analyzer frequency set to the frequency of the radiated spurious emission of interest
- 2. RBW : 300 Hz

(Because 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 x RBW
- 4. Sweep time : Auto couple
- 5. Detector : Peak
- 6. Trace : Maxhold
- 7. Trace was allowed to stabilize

<u>Limit</u>

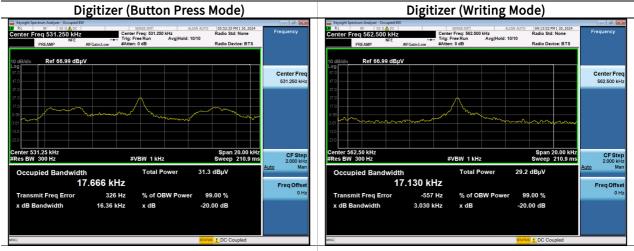
None (for reporting purposes only.)



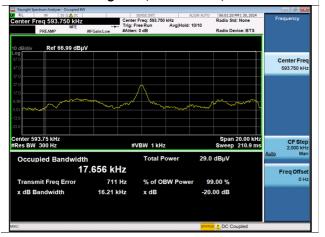
Test Result

EUT Mode	Test Frequency (kHz)	Occupied Bandwidth 99% BW(kHz)	20dB BW (kHz)
Digitizer (Button Press Mode)	531.25	17.666	16.36
Digitizer (Writing Mode)	562.50	17.130	3.030
Digitizer (Eraser Mode)	593.75	17.656	16.21

Test Plot



Digitizer(Eraser Mode)





12. 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	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	100900	12/06/2024	Annual
Signal Analyzer	N9030A	Keysight	MY55410508	09/04/2024	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).



13. Annex A_TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2402-FC033-P