

Report on the RF Testing of:

KYOCERA Corporation
Mobile Phone, Model: EB1220
FCC ID: JOYEB1220



In accordance with FCC Part 15 Subpart C (15.225)

Prepared for: KYOCERA Corporation
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EXECUTIVE SUMMARY – Result: Complied

A sample(s) of this product was tested and the result above was confirmed in accordance with FCC Part 15 Subpart C (15.225).



Certificate #3686.03

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1 Summary of Test

1.1 Modification history of the test report

Document Number	Modification History	Issue Date
JPD-TR-25111-0	First Issue	Refer to the cover page

1.2 Standards

CFR47 FCC Part 15 Subpart C (15.225)

1.3 Test methods

ANSI C63.10-2020

1.4 Deviation from standards

None

1.5 List of applied test(s) of the EUT

Test item section	Test item	Condition	Result	Remark
2.1049 RSS-Gen 6.7	Occupied Bandwidth	Conducted	PASS	-
15.209 15.225 (a)(b)(c)(d)	Operation within the band 13.110-14.010MHz	Radiated	PASS	-
15.209 15.225 (d)	Transmitter Radiated Spurious Emissions	Radiated	PASS	-
15.225 (e)	Frequency Tolerance	Conducted	PASS	-
15.207	AC Power Line Conducted Emissions	Conducted	PASS	-

1.6 Test information

None

1.7 Test set up

Table-top

1.8 Test period

12-November-2025 – 18- November -2025

2 Equipment Under Test

All information in this chapter was provided by the applicant.

2.1 EUT information

Applicant	KYOCERA Corporation Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan Phone: +81-90-6100-4946
Equipment Under Test (EUT)	Mobile Phone
Model number	EB1220
Serial number	353379980000799, 353379980000807
Trade name	Kyocera
Number of sample(s)	2
EUT condition	Pre-Production
Power rating	Battery: DC 3.87 V USB: DC 5.0 ~ 9.0V 2.0A
Size	(W) 75 mm × (D) 14.6 mm × (H) 157 mm
Environment	Indoor and Outdoor use
Terminal limitation	-20 °C to 60 °C
Hardware version	DMT1
Software version	0.070KB.0015.a
Firmware version	Not applicable
RF Specification	
Frequency range	13.56MHz
Modulation method	ASK
Antenna type	Loop antenna

2.2 Modification to the EUT

The table below details modifications made to the EUT during the test project.

Modification State	Description of Modification	Modification fitted by	Date of Modification
Model: EB1220, Serial Number: 353379980000799, 353379980000807			
0	As supplied by the applicant	Not Applicable	Not Applicable

2.3 Variation of family model(s)

2.3.1 List of family model(s)

Not applicable

2.3.2 Reason for selection of EUT

Not applicable

2.4 Operating mode

The field strength of spurious emissions was measured at each position of all three axis X, Y and Z to compare the level, and the maximum noise.

The worst emission was found in Z-axis and the worst case recorded.

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports.

2.5 Operating flow

[Tx mode]

- i) NFC test program setup to the Software
- ii) Start test mode

3 Configuration of Equipment

Numbers assigned to equipment on the diagram in “3.3 System configuration” correspond to the list in “3.1 Equipment used” and “3.2 Cable(s) used”.

This test configuration is based on the manufacture’s instruction.

Cabling and setup(s) were taken into consideration and test data was taken under worse case condition.

3.1 Equipment used

No.	Equipment	Company	Model No.	Serial No.	FCC ID/DoC	Comment
1	Mobile Phone	KYOCERA	EB1220	353379980000799, 353379980000807	JOYEB1220	EUT
2	AC Adapter	KDDI	0602PQA	N/A	N/A	*

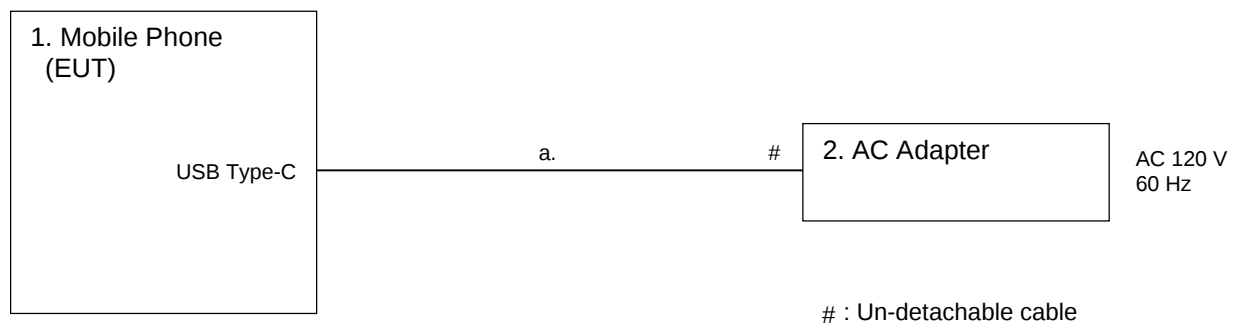
*:AC power line Conducted Emission Test.

3.2 Cable(s) used

No.	Equipment	Length[m]	Shield	Connector	Comment
a	USB cable (for AC Adapter)	1.5	No	Plastic	*

*:AC power line Conducted Emission Test.

3.3 System configuration



4 Test Result

4.1 Occupied Bandwidth

4.1.1 Measurement procedure

[FCC 2.1049, RSS-Gen 6.7]

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to approach 1% of the selected span or less than 1%. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

The spectrum analyzer is set to;

- RBW=1kHz, VBW=3kHz, Span=100kHz, Sweep=auto, Detector=Peak, Trace mode = max hold.

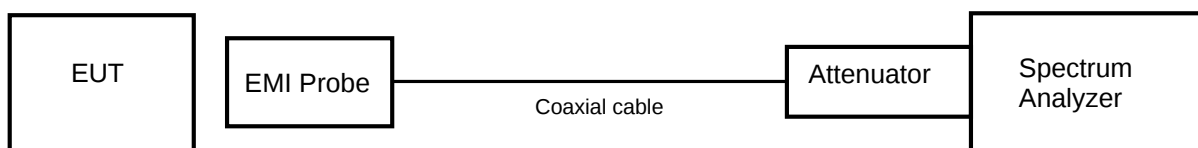
The EUT was set to operate with following conditions.

- 13.56MHz

The test mode of EUT is as follows.

- Transmit mode

- Test configuration



4.1.2 Limit

None

4.1.3 Measurement result

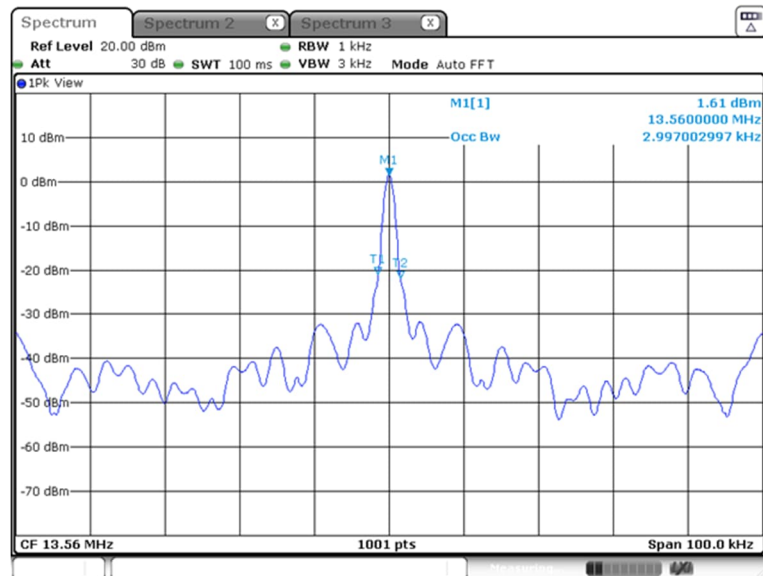
Date : 12-November-2025
 Temperature : 19.8 [°C]
 Humidity : 57.5 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

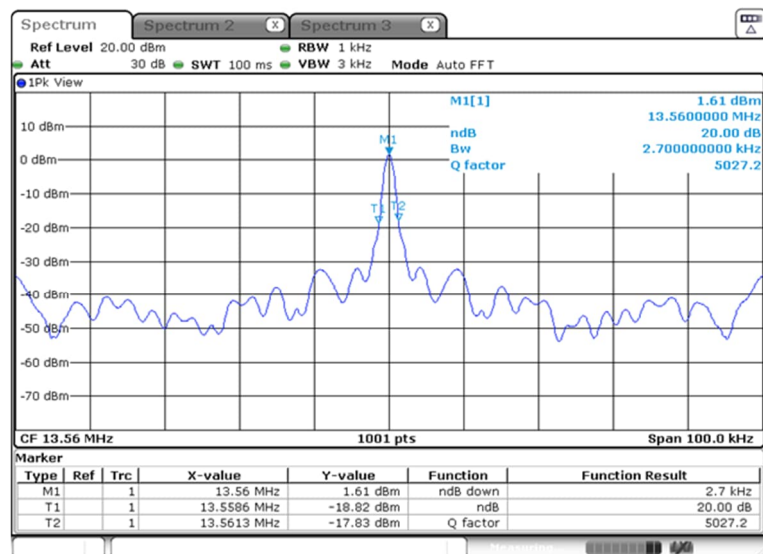
Frequency (MHz)	Occupied Bandwidth (kHz)
13.56	2.997

4.1.4 Trace data

Occupied Bandwidth



-20dB Bandwidth



4.2 Operation within the band 13.110-14.010MHz

4.2.1 Measurement procedure

[FCC 15.209, 15.225 (a)(b)(c)(d)]

Test was applied by following conditions.

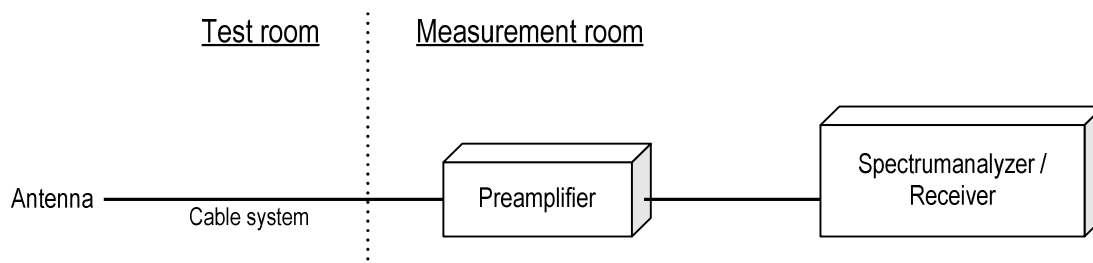
Test method	:	ANSI C63.10
Frequency range	:	13.110MHz to 14.010MHz
Test place	:	3m Semi-anechoic chamber
EUT was placed on	:	Styrofoam table / (W)1.0m × (D)1.0m × (H)0.8m
Antenna distance	:	3m

Test receiver setting

- Detector	:	Quasi-peak
- Bandwidth	:	9kHz

EUT operating mode is selected to emit the maximum noise. Overall frequency range is investigated with spectrum analyzer using peak detector. Then, emission measurements frequency range 13.110MHz to 14.010MHz were performed with test receiver in above setting. The turntable and the Loop antenna are rotated by 360 degrees and stopped at azimuth of producing the maximum emission. Sufficient time for EUT, peripherals and test equipment is provided in order for them to warm up to their normal operating condition.

- Test configuration



4.2.2 Calculation method

Emission level = Reading + (Ant. factor + Cable system loss – Amp. Gain)

Margin = Limit – Emission level

4.2.3 Limit

- (a) The field strength of any emissions within the band 13.553-13.567MHz shall not exceed 15,848uV/m at 30m.
- (b) Within the band 13.410-13.553MHz and 13.567-13.710MHz, the field strength of any emissions shall not exceed 334uV/m at 30m.
- (c) Within the band 13.110-13.410MHz and 13.710-14.010MHz, the field strength of any emissions shall not exceed 106uV/m at 30m.
- (d) The field strength of any emissions appearing outside of the 13.110-14.010MHz and shall not exceed the general radiated emission limits in FCC 15.209.

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level [dBuV/m] = $20\log$ Emission [uV/m]
- 3. Measurements were corrected to 30m using $40\log (3/30) = -40.0\text{dB}$

4.2.4 Test data

Date : 17-November-2025
 Temperature : 19.1 [°C]
 Humidity : 24.3 [%]
 Test place : 3m Semi-anechoic chamber

Test engineer : Chiaki Kanno

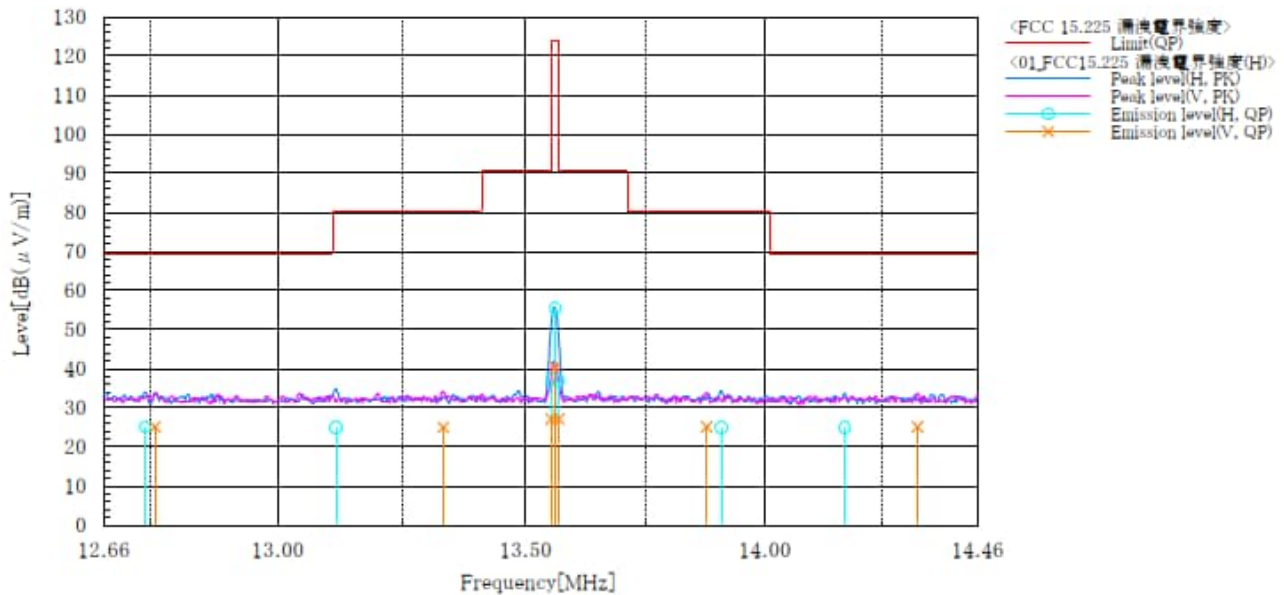
Frequency range (MHz)	Frequency (MHz)	Level		Limit (dBuV/m)	Margin (dB)	Result
		Measured at 3m (dBuV/m)	Measured at 30m (dBuV/m)			
13.553-13.567	13.560	71.3	31.3	84.0	52.7	PASS
13.41-13.553	13.552	52.3	12.3	50.5	38.2	PASS
13.567-13.71	13.568	52.1	12.1	50.5	38.4	PASS
13.11-13.41	13.389	31.2	-8.8	40.5	49.3	PASS
13.71-14.01	13.876	31.2	-8.8	40.5	49.3	PASS
12.66-13.11	12.760	31.3	-8.7	29.5	38.2	PASS
14.01-14.46	14.329	31.2	-8.8	29.5	38.3	PASS

The table above confirms that the difference in test results is less than 3 dB.

4.2.5 Trace data

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1220
 Serial No. : 353379980000799
 Test mode : NFC

Sheet No. : 01
 Standard : FCC 15.225
 Operator : C.Kanno
 Temp,Hum,Atm : 19.1 [°C], 24.3 [%]
 Note1 : Horizontal (X axis)

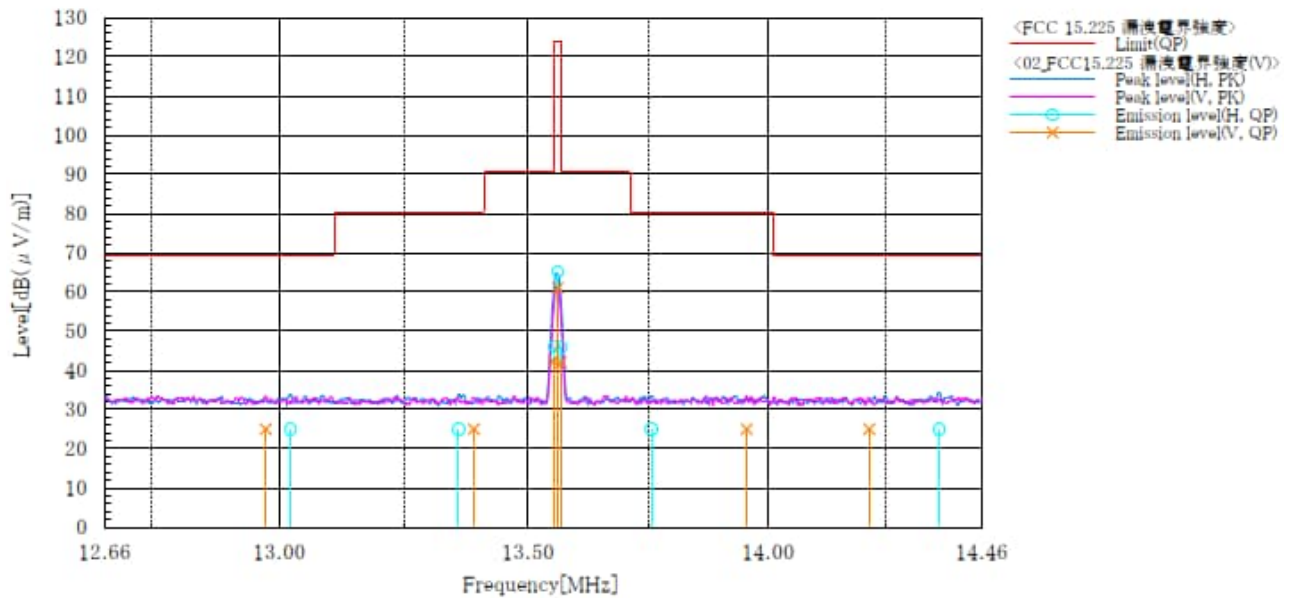


Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	13.560	V	46.6	-6.2	40.4	124.0	83.6	100.0	93.0	
2	13.552	V	33.4	-6.2	27.2	90.5	63.3	100.0	93.0	
3	13.568	V	33.3	-6.2	27.1	90.5	63.4	100.0	93.0	
4	13.331	V	31.2	-6.2	25.0	80.5	55.5	100.0	232.0	
5	13.876	V	31.2	-6.1	25.1	80.5	55.4	100.0	82.0	
6	12.760	V	31.3	-6.2	25.1	69.5	44.4	100.0	78.0	
7	14.329	V	31.2	-6.1	25.1	69.5	44.4	100.0	194.0	
8	13.560	H	61.6	-6.2	55.4	124.0	68.6	100.0	351.0	
9	13.552	H	43.4	-6.2	37.2	90.5	53.3	100.0	351.0	
10	13.568	H	43.1	-6.2	36.9	90.5	53.6	100.0	351.0	
11	13.115	H	31.2	-6.2	25.0	80.5	55.5	100.0	125.0	
12	13.907	H	31.1	-6.1	25.0	80.5	55.5	100.0	309.0	
13	12.740	H	31.3	-6.2	25.1	69.5	44.4	100.0	333.0	
14	14.171	H	31.1	-6.1	25.0	69.5	44.5	100.0	184.0	

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1220
 Serial No. : 353379980000799
 Test mode : NFC

Sheet No. : 02
 Standard : FCC 15.225
 Operator : C.Kanno
 Temp,Hum,Atm : 19.1 [°C], 24.3 [%]
 Note1 : Vertical (Z axis)



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	MARGIN QP [dB]	Height [cm]	Angle [deg]	Remark
1	13.560	V	67.2	-6.2	61.0	124.0	63.0	100.0	264.0	
2	13.552	V	48.5	-6.2	42.3	90.5	48.2	100.0	264.0	
3	13.568	V	48.2	-6.2	42.0	90.5	48.5	100.0	264.0	
4	13.389	V	31.2	-6.2	25.0	80.5	55.5	100.0	343.0	
5	13.954	V	31.1	-6.1	25.0	80.5	55.5	100.0	72.0	
6	12.973	V	31.2	-6.2	25.0	69.5	44.5	100.0	65.0	
7	14.216	V	31.1	-6.1	25.0	69.5	44.5	100.0	330.0	
8	13.560	H	71.3	-6.2	65.1	124.0	58.9	100.0	173.0	
9	13.552	H	52.3	-6.2	46.1	90.5	44.4	100.0	173.0	
10	13.568	H	52.1	-6.2	45.9	90.5	44.6	100.0	173.0	
11	13.358	H	31.1	-6.2	24.9	80.5	55.6	100.0	348.0	
12	13.754	H	31.1	-6.1	25.0	80.5	55.5	100.0	246.0	
13	13.022	H	31.2	-6.2	25.0	69.5	44.5	100.0	329.0	
14	14.367	H	31.1	-6.1	25.0	69.5	44.5	100.0	241.0	

4.3 Radiated Emissions

4.3.1 Measurement procedure

[FCC 15.209, 15.225 (d)]

Test was applied by following conditions.

Test method	: ANSI C63.10
Frequency range	: 9kHz to 30MHz
Test place	: 3m Semi-anechoic chamber
EUT was placed on	: Styrofoam table / (W)1.0m × (D)1.0m × (H)0.8m
Antenna distance	: 3m

Test receiver setting

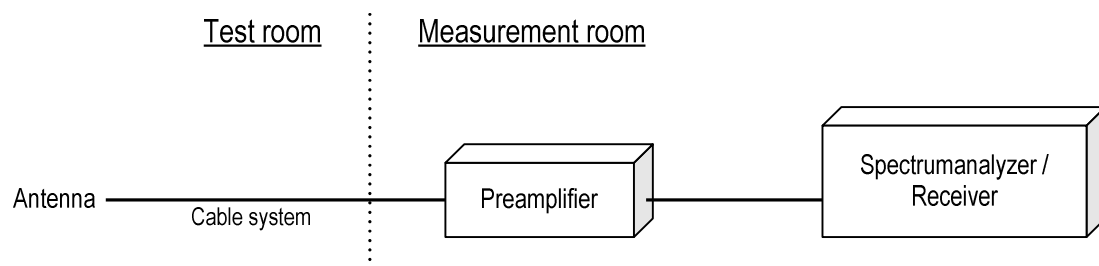
- Detector	: Average (9kHz-90kHz, 110kHz-490kHz), Quasi-peak
- Bandwidth	: 200Hz, 9kHz

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site.

Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 937606.

EUT operating mode is selected to emit the maximum noise. Overall frequency range is investigated with spectrum analyzer using peak detector. Then, emission measurements up to 30MHz were performed with test receiver in above setting. The turntable and the Loop antenna are rotated by 360 degrees and stopped at azimuth of producing the maximum emission. Sufficient time for EUT, peripherals and test equipment is provided in order for them to warm up to their normal operating condition.

- Test configuration



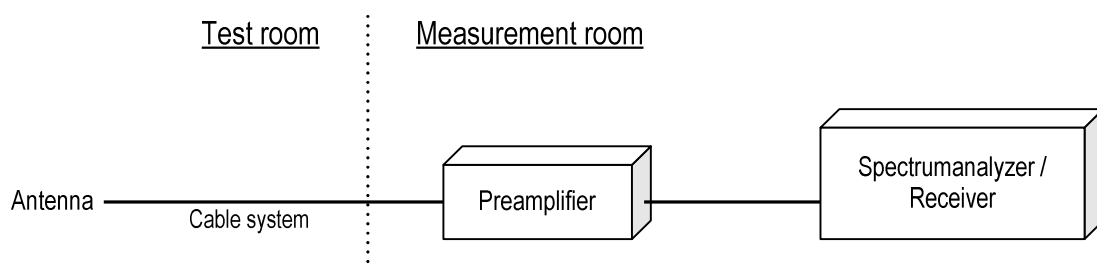
Test was applied by following conditions.

Test method	: ANSI C63.10
Frequency range	: 30MHz to 1000MHz
Test place	: 3m Semi-anechoic chamber
EUT was placed on	: Styrofoam table / (W)1.0m × (D)1.0m × (H)0.8m
Antenna distance	: 3m

Test receiver setting	
- Detector	: Quasi-peak
- Bandwidth	: 120kHz

EUT operating mode is selected to emit the maximum noise. Overall frequency range is investigated with spectrum analyzer using peak detector. Then, emission measurements up to 1000MHz were performed with test receiver in above setting. In order to find the maximum emissions, antenna is adjusted between 1m and 4m in height and varied its polarization (horizontal and vertical), and EUT azimuth was also varied by rotating turntable 0 to 360 degrees. Sufficient time for EUT, peripherals and test equipment is provided in order for them to warm up to their normal operating condition.

- Test configuration



4.3.2 Calculation method

[9kHz to 150kHz]

Emission level = Reading + (Ant. factor + Cable system loss)

Margin = Limit – Emission level

[150kHz to 1000MHz]

Emission level = Reading + (Ant. factor + Cable system loss – Amp. Gain)

Margin = Limit – Emission level

4.3.3 Limit

Frequency [MHz]	Field strength		Distance [m]
	[uV/m]	[dBuV/m]	
0.009-0.490	$2400 / F$ [kHz]	$20\log E$ [uV/m]	300
0.490-1.705	$24000 / F$ [kHz]	$20\log E$ [uV/m]	30
1.705-30	30	29.5	30
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level [dBuV/m] = $20\log$ Emission [uV/m]
3. Measurements were corrected to 300m using $40\log (3/300) = -80.0\text{dB}$
Measurements were corrected to 30m using $40\log (3/30) = -40.0\text{dB}$

4.3.4 Test data

Date : 17-November-2025

Temperature : 19.1 [°C]

Humidity : 24.3 [%]

Test place : 3m Semi-anechoic chamber

Test engineer :

Chiaki Kanno

[9kHz to 30MHz]

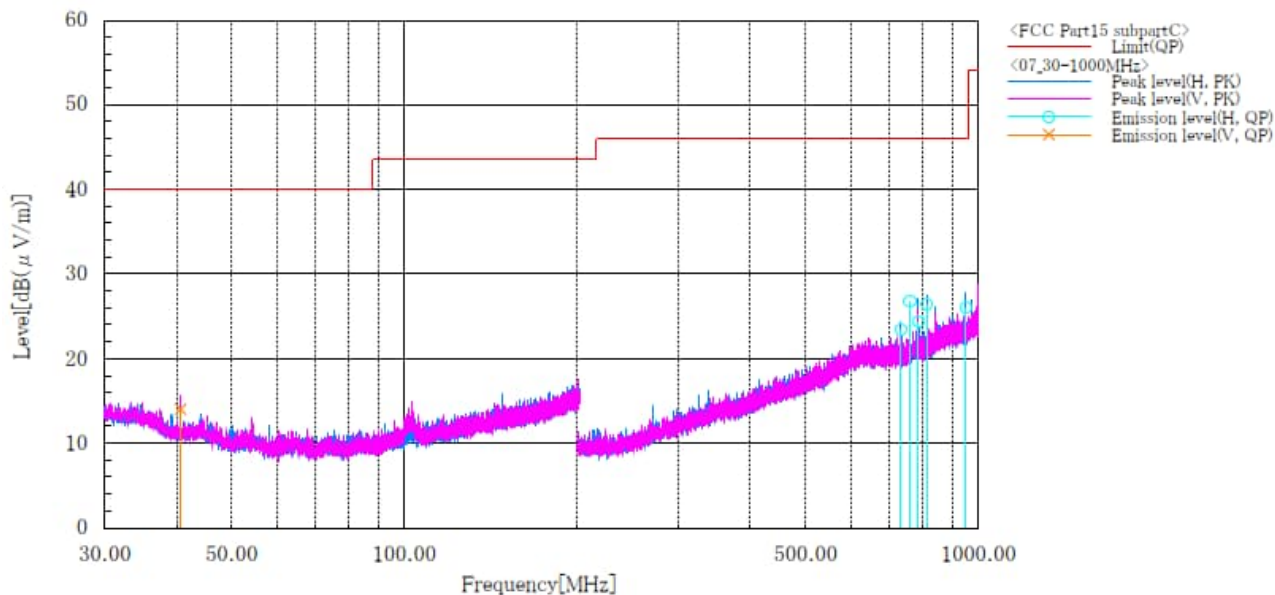
Frequency (MHz)	Reading [dBuV] At 3m	c.f [dB(1/m)]	Result [dBuV/m] At 3m	Result [dBuV/m] At 30m	Limit [dBuV/m] At 30m	Margin (dB)	Result
27.12	31.1	-5.7	25.4	-14.6	29.5	44.1	PASS

The table above confirms that the difference in test results is less than 3 dB.

[30MHz to 1000MHz]

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1220
 Serial No. : 353379980000799
 Test mode : NFC

Sheet No. : 07
 Standard : FCC Part15 subpart C
 Operator : C.Kanno
 Temp,Hum,Atm : 19.1 [°C] 24.3 [%]
 Note1 : Z axis



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	40.680	V	28.8	-14.8	14.0	40.0	26.0	100.0	259.0	
2	732.236	H	29.9	-6.5	23.4	46.0	22.6	120.0	163.0	
3	759.359	H	32.9	-6.1	26.8	46.0	19.2	109.0	164.0	
4	786.483	H	29.9	-5.5	24.4	46.0	21.6	111.0	159.0	
5	813.607	H	31.6	-5.2	26.4	46.0	19.6	107.0	154.0	
6	949.199	H	28.9	-2.9	26.0	46.0	20.0	100.0	164.0	

Comparison of the charts showed that the difference in test results was less than 3 dB.

4.4 Frequency Tolerance

4.4.1 Measurement procedure

[FCC 15.205 (e)]

The EUT was placed of an inside of a constant temperature chamber as the temperature in the chamber was varied between -30°C and +50°C. The temperature was incremented by 10°C intervals and the unit was allowed to stabilize at each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channels center frequency was recorded.

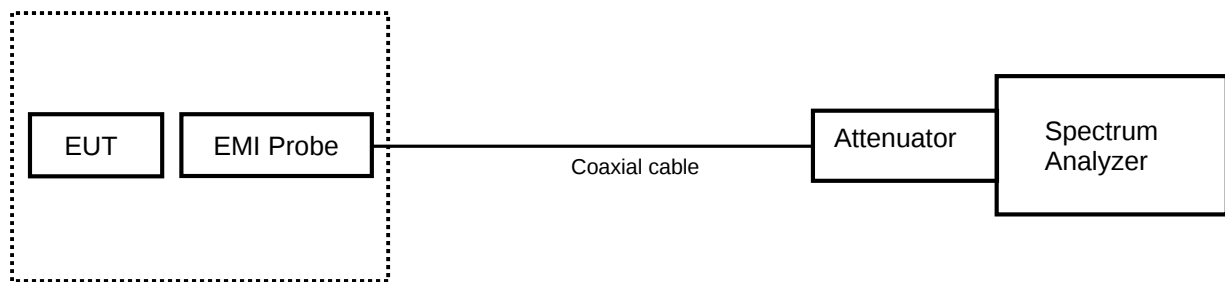
The EUT was set to operate with following conditions.

- 13.56MHz

The test mode of EUT is as follows.

- Transmit mode

- Test configuration



Constant Temperature Chamber

4.4.2 Limit

The Frequency tolerance of the carrier signal shall be maintained within +/- 0.01% over a temperature variation of -30 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.

4.4.3 Test data

Date : 12-November-2025
 Temperature : 19.8 [°C]
 Humidity : 57.5 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Reference Frequency: EUT Channel 13.56MHz at 20°C											
Limit: $\pm 0.01\% = \pm 100\text{ppm} = \pm 0.135603\text{MHz}$											
Power Supply	Temperature	Measurements Frequency (startup)	Frequency Tolerance (startup)	Measurements Frequency (2mins)	Frequency Tolerance (2mins)	Measurements Frequency (5mins)	Frequency Tolerance (5mins)	Measurements Frequency (10mins)	Frequency Tolerance (10mins)	Limit	Result
[V]	[°C]	[MHz]	[ppm]	[MHz]	[ppm]	[MHz]	[ppm]	[MHz]	[ppm]	[ppm]	
3.87	50	13.55993581	-2.893	13.55993302	-3.099	13.55993491	-2.959	13.55993780	-2.746	± 100	PASS
	40	13.55993062	-3.276	13.55993071	-3.269	13.55993131	-3.225	13.55993095	-3.251		
	30	13.55993704	-2.802	13.55993467	-2.977	13.55993482	-2.966	13.55993533	-2.928		
	20	13.55997504	-	13.55996433	-0.790	13.55996139	-1.007	13.55996043	-1.077		
	10	13.55999097	1.175	13.55998848	0.991	13.55998830	0.978	13.55998968	1.080		
	0	13.56003189	4.192	13.56002355	3.577	13.56002127	3.409	13.56002166	3.438		
	-10	13.56004860	5.425	13.56004602	5.235	13.56004473	5.139	13.56004491	5.153		
	-20	13.56002610	3.765	13.56004086	4.854	13.56004692	5.301	13.56005022	5.544		
	-30	13.56004611	5.241	13.56005115	5.613	13.56004842	5.412	13.56004374	5.066		
3.29	20	13.55995890	-1.190	13.55995719	-1.316	13.55995692	-1.336	13.55996820	-0.504		
4.45	20	13.55997111	-0.290	13.55996664	-0.619	13.55996547	-0.706	13.55996511	-0.732		

Note. Frequency Tolerance (ppm) = (Measurements Frequency (MHz) – Reference Frequency (MHz)) / Reference Frequency (MHz) x 1000000

The primary power supply voltage rating of this EUT is 85% to 115%

4.5 AC Power Line Conducted Emissions

4.5.1 Measurement procedure

[FCC 15.207]

Test was applied by following conditions.

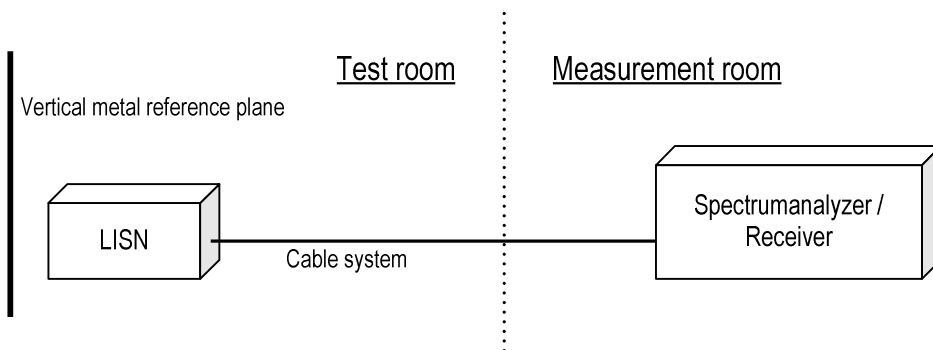
Test method	: ANSI C63.10
Frequency range	: 0.15 MHz to 30 MHz
Test place	: 3 m Semi-anechoic chamber
EUT was placed on	: Styrofoam table / (W)1.0m × (D)0.8m × (H)0.8m
Vertical Metal Reference Plane	: (W)2.0 m × (H)2.0 m 0.4 m away from EUT
Test receiver setting	
- Detector	: Quasi-peak, Average
- Bandwidth	: 9 kHz

EUT and peripherals are connected to 50Ω/50μH Line Impedance Stabilization Network (LISN) which are connected to reference ground plane, and are placed 80cm away from EUT. Excess of AC power cable is bundled in center.

LISN for peripheral is terminated in 50Ω.

EUT operating mode is selected to emit the maximum noise. Overall frequency range is investigated with spectrum analyzer using peak detector. Maximum emission configuration is determined by manipulating the EUT, peripherals, interconnecting cables. Then, emission measurements are performed with test receiver in above setting to each current-carrying conductor of the mains port. Sufficient time for EUT, peripherals and test equipment is provided in order for them to warm up to their normal operating condition. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits.

- Test configuration



4.5.2 Calculation method

Emission level = Reading + (LISN. Factor + Cable system loss)

Margin = Limit – Emission level

Example:

Limit @ 6.770 MHz: 60.0 dB μ V(Quasi-peak)

: 50.0 dB μ V(Average)

(Quasi peak) Reading = 41.2 dB μ V c.f = 10.3 dB

Emission level = 41.2 + 10.3 = 51.5 dB μ V

Margin = 60.0 – 51.5 = 8.5 dB

(Average) Reading = 35.0 dB μ V c.f = 10.3 dB

Emission level = 35.0 + 10.3 = 45.3 dB μ V

Margin = 50.0 – 45.3 = 4.7 dB

4.5.3 Limit

Frequency [MHz]	Limit	
	QP [dB μ V]	AV [dB μ V]
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

*: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

4.5.4 Measurement result

Date : 18-November-2025

Temperature : 22.7 [°C]

Humidity : 29.1 [%]

Test place : 3m Semi-anechoic chamber

Test engineer :

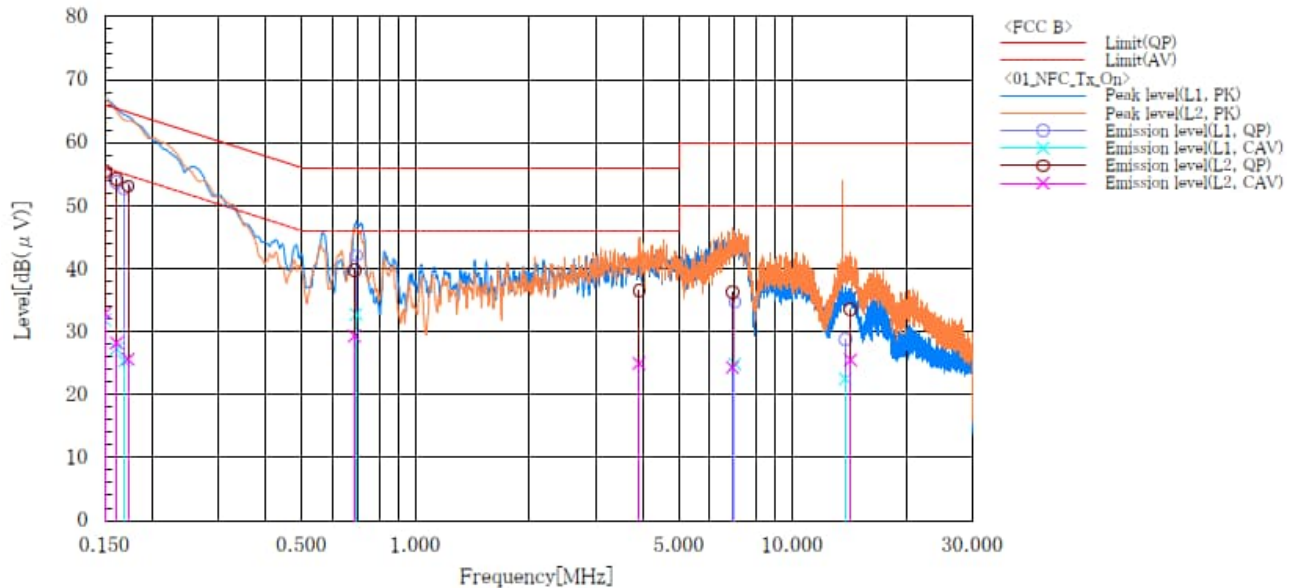
Chiaki Kanno

4.5.5 Test data

[Transmit ON]

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1220
 Serial No. : 353379980000799
 Test mode : NFC_13.56MHz_Tx_On

Sheet No. : 01
 Standard : FCC Part 15 Subpart C
 Operator : C.Kanno
 Temp,Hum,Atm : 22.7 [°C], 29.1 [%]
 Note1 :



Final Result

--- L1 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	44.5	21.3	10.5	55.0	31.8	66.0	56.0	11.0	24.2
2	0.161	43.2	16.8	10.5	53.7	27.3	65.4	55.4	11.7	28.1
3	0.169	42.3	14.9	10.4	52.7	25.3	65.0	55.0	12.3	29.7
4	0.696	31.8	22.4	10.3	42.1	32.7	56.0	46.0	13.9	13.3
5	7.016	23.9	14.0	10.8	34.7	24.8	60.0	50.0	25.3	25.2
6	13.773	17.2	11.0	11.5	28.7	22.5	60.0	50.0	31.3	27.5

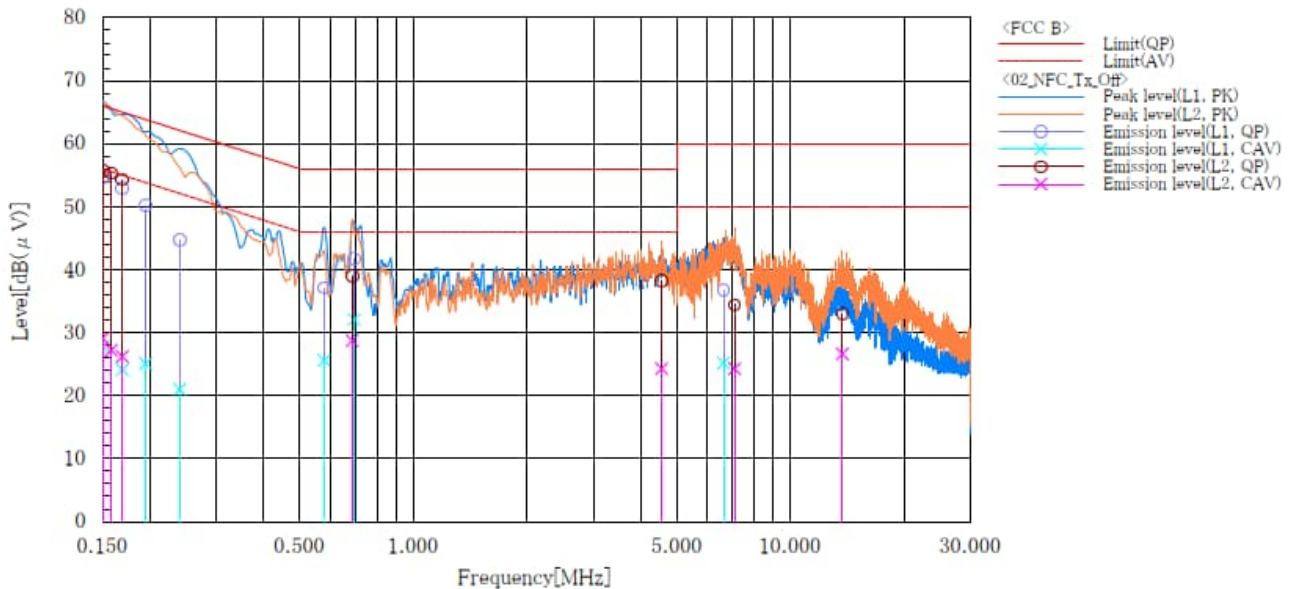
--- L2 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	45.0	22.4	10.5	55.5	32.9	66.0	56.0	10.5	23.1
2	0.161	43.7	17.7	10.5	54.2	28.2	65.4	55.4	11.2	27.2
3	0.173	42.7	15.2	10.4	53.1	25.6	64.8	54.8	11.7	29.2
4	0.689	29.4	19.0	10.3	39.7	29.3	56.0	46.0	16.3	16.7
5	3.911	25.9	14.3	10.6	36.5	24.9	56.0	46.0	19.5	21.1
6	6.922	25.5	13.5	10.8	36.3	24.3	60.0	50.0	23.7	25.7
7	14.226	22.0	14.0	11.5	33.5	25.5	60.0	50.0	26.5	24.5

[Transmit OFF]

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1220
 Serial No. : 353379980000799
 Test mode : NFC_13.56MHz_Tx_Off

Sheet No. : 02
 Standard : FCC Part 15 Subpart C
 Operator : C.Kanno
 Temp,Hum,Atm : 22.7 [°C], 29.1 [%]
 Note1 :



Final Result

--- L1 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	44.2	17.3	10.5	54.7	27.8	66.0	56.0	11.3	28.2
2	0.169	42.5	13.7	10.4	52.9	24.1	65.0	55.0	12.1	30.9
3	0.195	39.8	14.7	10.4	50.2	25.1	63.8	53.8	13.6	28.7
4	0.240	34.3	10.6	10.4	44.7	21.0	62.1	52.1	17.4	31.1
5	0.580	26.8	15.3	10.3	37.1	25.6	56.0	46.0	18.9	20.4
6	0.696	31.4	21.8	10.3	41.7	32.1	56.0	46.0	14.3	13.9
7	6.632	26.0	14.4	10.8	36.8	25.2	60.0	50.0	23.2	24.8

--- L2 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	45.2	18.6	10.5	55.7	29.1	66.0	56.0	10.3	26.9
2	0.158	44.8	16.7	10.5	55.3	27.2	65.6	55.6	10.3	28.4
3	0.169	43.9	15.8	10.4	54.3	26.2	65.0	55.0	10.7	28.8
4	0.689	28.7	18.4	10.3	39.0	28.7	56.0	46.0	17.0	17.3
5	4.548	27.6	13.7	10.6	38.2	24.3	56.0	46.0	17.8	21.7
6	7.103	23.6	13.5	10.8	34.4	24.3	60.0	50.0	25.6	25.7
7	13.698	21.5	15.1	11.5	33.0	26.6	60.0	50.0	27.0	23.4

5 Antenna requirement

According to FCC section 15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device. The antenna is a special antenna mounted inside of the EUT. Therefore, the EUT complies with the antenna requirement of FCC section 15.203.

6 Measurement Uncertainty

The reported measurement uncertainty is based on a value obtained by multiplying standard uncertainty by coverage factor of $k=2$, and a level of confidence becomes 95 %.

Test item	Measurement uncertainty
Conducted emission, AMN (9 kHz – 150 kHz)	± 3.7 dB
Conducted emission, AMN (150 kHz – 30 MHz)	± 3.3 dB
Radiated emission (9kHz – 30 MHz)	± 3.7 dB
Radiated emission (30 MHz – 1000 MHz)	± 5.4 dB
Radiated emission (1 GHz – 6 GHz)	± 5.1 dB
Radiated emission (6 GHz – 18 GHz)	± 4.8 dB
Radiated emission (18 GHz – 40 GHz)	± 6.0 dB
Radio Frequency	$\pm 0.9 \times 10^{-7}$
RF power, conducted	± 0.6 dB
Effective radiated power	± 4.3 dB
Radiated spurious emissions	± 4.4 dB
Adjacent channel power	± 1.5 dB
Bandwidth	± 2.8 %
Temperature	± 0.6 °C
Humidity	± 1.2 %
Voltage (DC)	± 0.4 %
Voltage (AC, <10kHz)	± 0.2 %

Judge	Measured value and standard limit value	
PASS	Standard limit value +Uncertainty -Uncertainty Measured value Even if it takes uncertainty into consideration, a standard limit value is fulfilled.	
	Standard limit value +Uncertainty -Uncertainty Measured value Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.	
FAIL	Standard limit value +Uncertainty -Uncertainty Measured value Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.	
	Standard limit value +Uncertainty -Uncertainty Measured value Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.	

7 Laboratory Information

Testing was performed and the report was issued at:

TÜV SÜD Japan Ltd. Yonezawa Testing Center

Address: 5-4149-7 Hachimanpara, Yonezawa-shi, Yamagata, 992-1128 Japan
Phone: +81-238-28-2881

Accreditation and Registration

A2LA

Certificate #3686.03

BSMI

Laboratory Code: SL2-IN-E-6018, SL2-A1-E-6018

Innovation, Science and Economic Development Canada

ISED#: 4224A

Appendix A. Test Equipment

Antenna port conducted test

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
Spectrum analyzer	ROHDE&SCHWARZ	FSV40	101731	31-Jul-2026	31-Jul-2025
EMI Probe	ANRITSU	MA2601C	N/A(1753)	30-Nov-2025	13-Nov-2024
Attenuator	Weinschel	56-10	J4993	31-Dec-2025	16-Dec-2024
Microwave cable	Junkosha Inc.	MWX221/1m	N/A(S400)	31-Mar-2026	18-Mar-2025
Low temperature and humidity chamber	Espec	PL1KP	14007261	30-Jun-2026	5-Jun-2025

Radiated emission

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI receiver	ROHDE&SCHWARZ	ESW44	103171	31-Dec-2025	2-Dec-2024
Loop antenna	TESEQ	HLA6121	65079	31-Aug-2026	12-Aug-2025
Attenuator	TOYO Connector	NA-PJ-6/6dB	N/A(S542)	30-Jun-2026	18-Jun-2025
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1344	31-Aug-2026	19-Aug-2025
Log-periodic antenna	Schwarzbeck	VUSLP9111B	#343	31-Dec-2025	9-Dec-2024
Attenuator	TOYO Connector	NA-PJ-6/6dB	N/A(S541)	30-Sep-2026	11-Sep-2025
Attenuator	TAMAGAWA.ELEC	CFA-01/3dB	N/A(S503)	31-Jul-2026	9-Jul-2025
Preamplifier	SONOMA	310	372170	30-Sep-2026	10-Sep-2025
Microwave cable	HUBER+SUHNER	SUCOFLEX104/9m	800690/4	31-Oct-2026	21-Oct-2025
		SUCOFLEX104/1m	my24610/4	31-Dec-2025	17-Dec-2024
		SUCOFLEX104/9m	2001102/4	31-Dec-2025	17-Dec-2024
		SUCOFLEX104/1m	MY32976/4	31-Dec-2025	17-Dec-2024
		SUCOFLEX104/2m	SN MY28404/4	31-Dec-2025	17-Dec-2024
		SUCOFLEX106/7m	41625/6	31-Dec-2025	19-Dec-2024
Software	TOYO Technica	ES10/RE-AJ	Ver.2023.01.001	N/A	N/A
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-NSA)	31-May-2026	15-May-2025

Conducted emission at mains port

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI receiver	ROHDE&SCHWARZ	ESW44	103171	31-Dec-2025	2-Dec-2024
LISN	Kyoritsu Technology Corporation	TNW-407F2	12-17-110-2	30-Jun-2026	18-Jun-2025

Attenuator	HUBER+SUHNER	6810.01.A	N/A(S411)	31-Dec-2025	17-Dec-2024
Microwave cable	HUBER+SUHNER	SUCOFLEX104/5m	MY33601/4	31-Dec-2025	17-Dec-2024
Microwave cable	HUBER+SUHNER	SUCOFLEX104/2m	MY37268/4	31-Dec-2025	17-Dec-2024
Coaxial cable	HUBER+SUHNER	RG214/U/10m	N/A(S194)	31-Dec-2025	19-Dec-2024
50Ω terminator	TOYO Connector	BNC-TD 50Ω	N/A(S514)	28-Feb-2026	6-Feb-2025
Software	TOYO Technica	ES10/CE-AJ	Ver.2023.01.001	N/A	N/A

*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.