Report on the RF Testing of:

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

In accordance with FCC Part 22 Subpart H

Prepared for: KYOCERA Corporation
Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku
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COMMERCIAL-IN-CONFIDENCE

Document Number: JPD-TR-25115-0

SIGNATURE			
			
NAME	**JOB TITLE**	**RESPONSIBLE FOR**	**ISSUE DATE**
Hiroaki Suzuki	RF Deputy Manager of EMC Lab	Approved Signatory	2026-02-02

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Japan Ltd. document control rules.

EXECUTIVE SUMMARY – Result: Complied
A sample(s) of this product was tested and the result above was confirmed in accordance with FCC Part 22 Subpart H.

Certificate #3686.03

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Contents

1 Summary of Test

1.1 Modification history of the test report

Document Number	Modification History	Issue Date
JPD-TR-25115-0	First Issue	Refer to the cover page

1.2 Standards

CFR47 FCC Part 22 Subpart H

1.3 Test methods

KDB 971168 D01 Power Meas License Digital Systems v03r01
ANSI/TIA/EIA 603-E-2016
ANSI C63.26-2015

1.4 Deviation from standards

None

1.5 List of applied test(s) of the EUT

Test item section	Test item	Condition	Result	Remark
2.1046	Conducted Output Power	Conducted	PASS	*1
22.913(a)	Effective Radiated Power	Radiated	PASS	-
22.917(a) 2.1049	Occupied Bandwidth	Conducted	PASS	-
22.917(a) 2.1051	Band Edge Spurious and Harmonic at Antenna Terminal	Conducted	PASS	-
22.917(a) 2.1053	Radiated emissions and Harmonic Emissions	Radiated	PASS	-
22.355 2.1055	Frequency Stability	Conducted	PASS	-

*1: Refer to RF Exposure Report (Test Report SAR)

1.6 Test information

None

1.7 Test set up

Table-top

1.8 Test period

20-October-2025 - 26-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	353379980000823, 353379980008784
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 of Operation	Up Link GSM850: 824.2-848.8 MHz WCDMA Band V: 826.4-846.6 MHz Down Link GSM850: 869.2-893.8 MHz WCDMA Band V: 871.4-891.6 MHz
Modulation type	GSM850: GMSK WCDMA Band V: QPSK, 16QAM
Emission designator	GSM850: 244KGXW WCDMA Band V: 4M14F9W
Effective Radiated Power (E.R.P.)	GSM850: 2.692 W (34.3 dBm) WCDMA Band V: 1.549 W (31.9 dBm)
Antenna type	Internal antenna
Antenna gain	GSM850: -1.4 dBi WCDMA Band V: -1.4 dBi

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: 353379980000823, 353379980008784			
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 Description of test mode

The EUT had been tested under operating condition.
There are three channels have been tested as following:

Band	Modulation	Bandwidth [MHz]	Channel	Frequency [MHz]
GSM850	GMSK	-	128, 190, 251	824.2, 836.6, 848.8
WCDMA Band V	QPSK, 16QAM	-	4132, 4183, 4233	826.4, 836.6, 846.6

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 X-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.

3 Configuration of Equipment

Numbers assigned to equipment on the diagram in “3.2 System configuration” correspond to the list in “3.1 Equipment 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	353379980000823, 353379980008784	JOYEB1220	EUT

3.2 System configuration

1. Mobile Phone (EUT)

4 Test Result

4.1 Effective Radiated Power

4.1.1 Measurement procedure

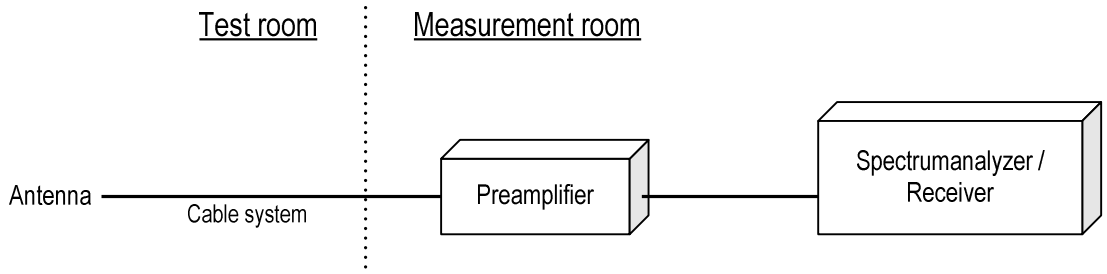
[FCC 22.913(a)]

<Step 1>
The EUT and support equipment are placed on a 1 meter x 1 meter surface, 0.8 meter height styrene foam table. Radiated emission measurements are performed at 3 meter distance with the broadband antenna (Log periodic antenna). The antenna is positioned both the horizontal and vertical planes of polarization and height is varied 1 to 4 meters and stopped at height producing the maximum emission.
The turntable is rotated by 360 degrees and stopped at azimuth of producing the maximum emission.

<Step 2>
The substitution antenna is replaced by the transmitter antenna (EUT).
The frequency of the signal generator is adjusted to the measurement frequency.
Level of the signal generator is adjusted to the level that is obtained from step 1, and record the emission level of signal generator.

The spectrum analyzer is set to;
a) Span = 1.5 times the OBW
b) RBW = 1-5% of the expected OBW, not to exceed 1 MHz
c) VBW ≥ 3 x RBW
d) Number of sweep points ≥ 2 x span / RBW
e) Sweep time = auto-couple
f) Detector = RMS (power averaging)
g) If the EUT can be configured to transmit continuously (i.e., burst duty cycle ≥ 98%), then set the trigger to free run.
h) If the EUT cannot be configured to transmit continuously (i.e., burst duty cycle < 98 %), then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Ensure that the sweep time is less than or equal to the transmission burst duration.
i) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
j) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function, with the band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

- Test configuration



4.1.2 Calculation method

Result (ERP) = Ant. Input - Cable loss + Antenna Gain
Margin = Limit – Result (ERP)

Example:
Limit @ 836.6 MHz: 38.45 dBm
Ant. Input = 40.0 dBm Cable loss = 0.8 dB Ant. Gain = -6.7 dBd
Result = 40.0 - 0.8 + (-6.7) = 32.5 dBm
Margin = 38.45 – 32.5 = 5.95 dB

4.1.3 Limit

7 W (38.45 dBm)

4.1.4 Test data

Date : 22-October-2025
Temperature : 22.4 [˚C]
Humidity : 36.6 [%] Test engineer :
Test place : 3m Semi-anechoic chamber Tadahiro Seino

Date : 20-November-2025
Temperature : 21.0 [˚C]
Humidity : 30.6 [%] Test engineer :
Test place : 3m Semi-anechoic chamber Chiaki Kanno

[GSM850]

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBd]	Result [dBm]	Result [W]	Limit [dBm]	Margin [dB]
H	824.2	-31.0	41.5	1.0	-6.3	34.2	2.630	38.45	4.3
H	836.6	-31.6	41.6	1.0	-6.3	34.3	2.692	38.45	4.2
H	848.8	-32.0	41.0	1.0	-6.2	33.7	2.344	38.45	4.8

[WCDMA Band V]

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBd]	Result [dBm]	Result [W]	Limit [dBm]	Margin [dB]
H	826.4	-33.5	39.2	1.0	-6.3	31.9	1.549	38.45	6.6
H	836.6	-34.4	38.8	1.0	-6.3	31.5	1.413	38.45	7.0
H	846.6	-34.5	38.4	1.0	-6.2	31.1	1.288	38.45	7.4

4.2 Occupied Bandwidth

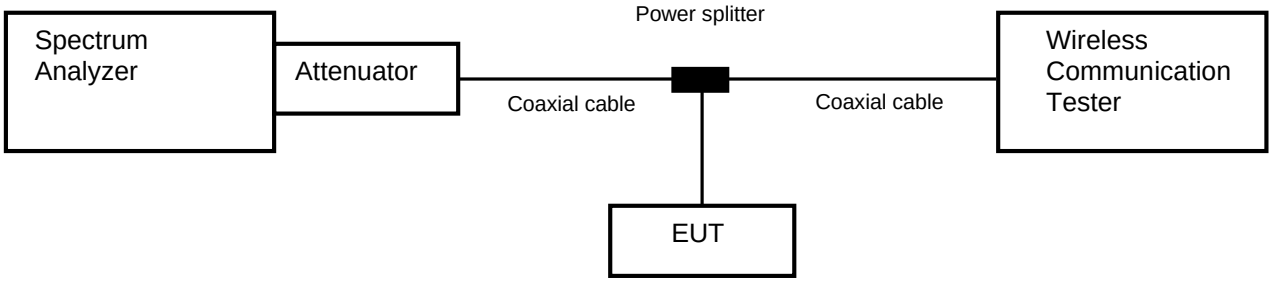
4.2.1 Measurement procedure

[FCC 22.917(a), 2.1049]

The Occupied bandwidth was measured with a spectrum analyzer connected to the antenna terminal. The spectrum analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth.

The spectrum analyzer is set to;
a) RBW = 1-5% of the expected OBW & VBW ≥ 3 x RBW
b) Detector = Peak
c) Trace mode = Max hold
d) Sweep time = auto-couple

- Test configuration



4.2.2 Limit

None

4.2.3 Measurement result

Date : 23-October-2025
Temperature : 21.9 [˚C]
Humidity : 44.3 [%] Test engineer :
Test place : Shielded room No.4 Kazunori Saito

Date : 24-October-2025
Temperature : 19.1 [˚C]
Humidity : 42.9 [%] Test engineer :
Test place : Shielded room No.4 Kazunori Saito

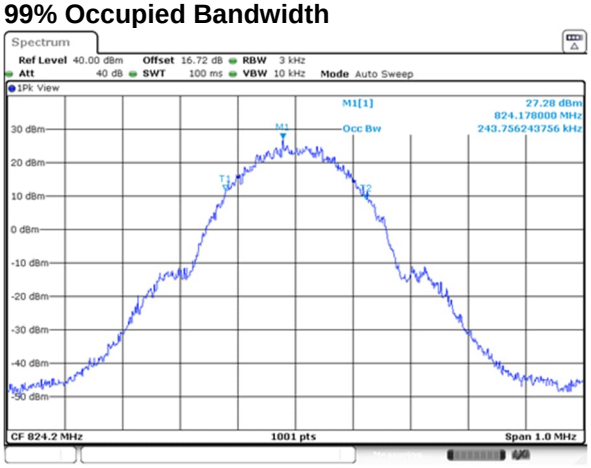
Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB Bandwidth (MHz)
GSM850	128	824.2	0.2438	0.3097
	190	836.6	0.2438	0.3137
	251	848.8	0.2438	0.3117
W-CDMA Band V	4132	826.4	4.1359	4.7150
	4183	836.6	4.1359	4.6950
	4233	846.6	4.1359	4.7050

4.2.4 Trace data

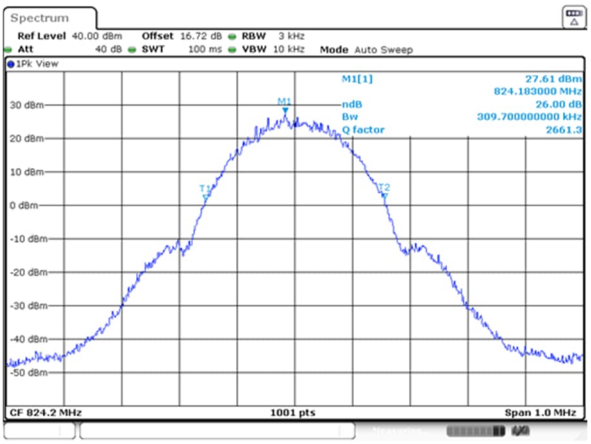
[GSM850]

Channel: 128

99% Occupied Bandwidth

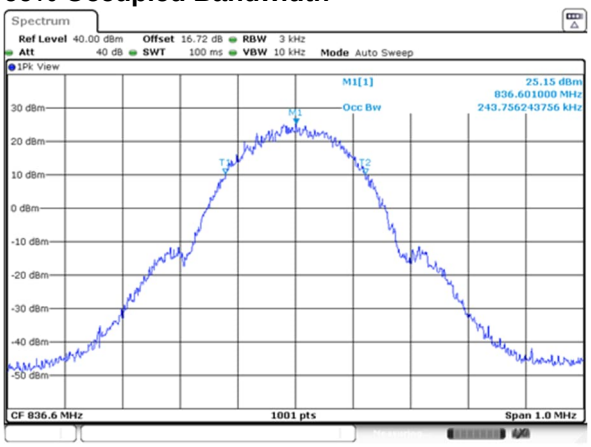


26dB Bandwidth

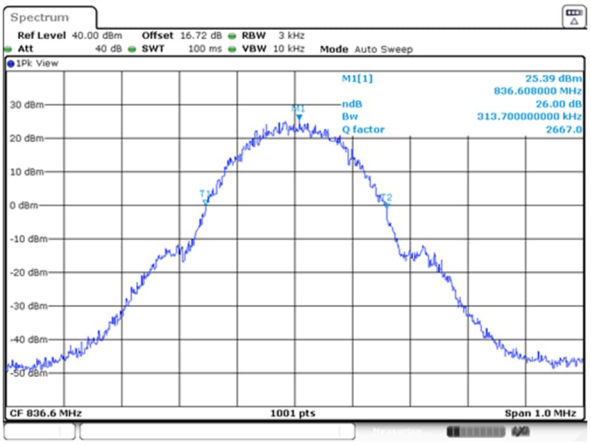


Channel: 190

99% Occupied Bandwidth

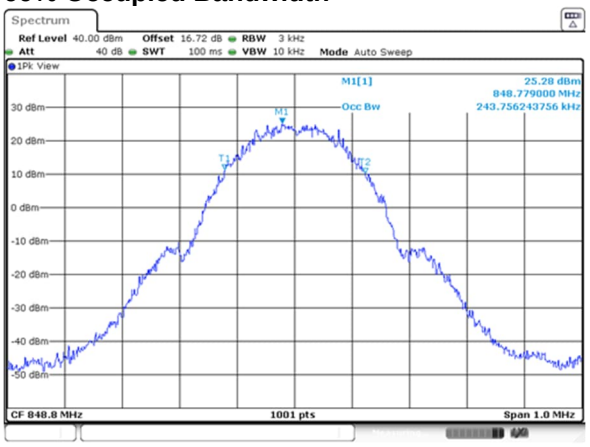


26dB Bandwidth

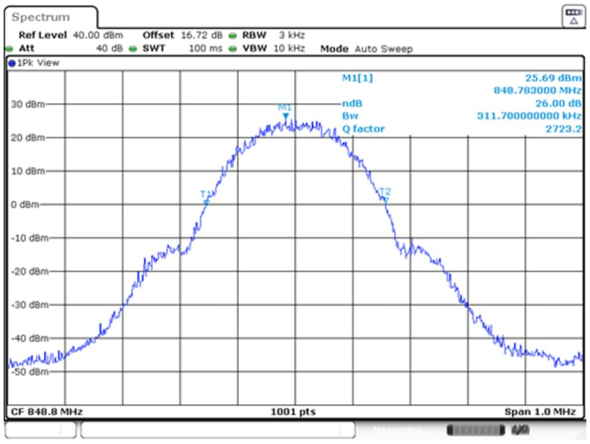


Channel: 251

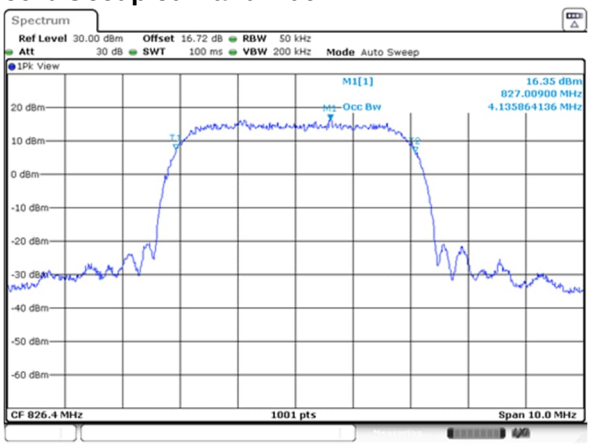
99% Occupied Bandwidth



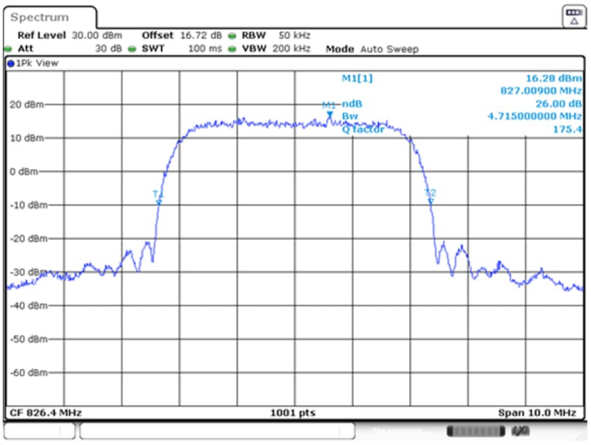
26dB Bandwidth



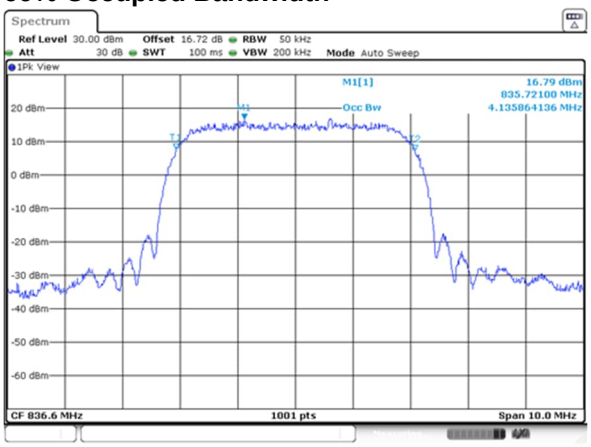
[WCDMA Band V]
Channel: 4132
99% Occupied Bandwidth



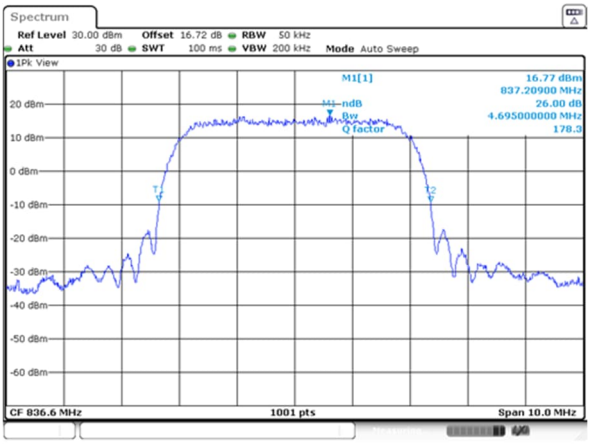
26dB Bandwidth



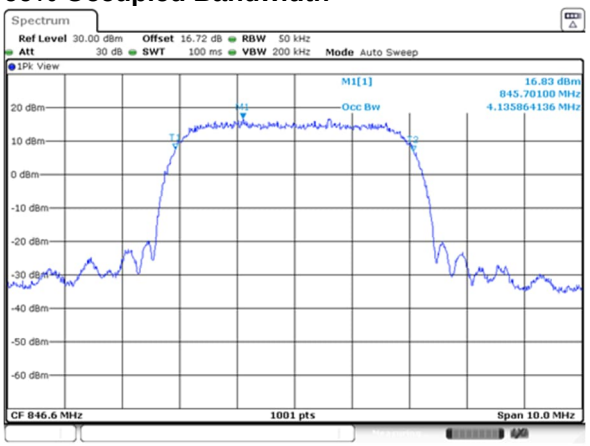
Channel: 4183
99% Occupied Bandwidth



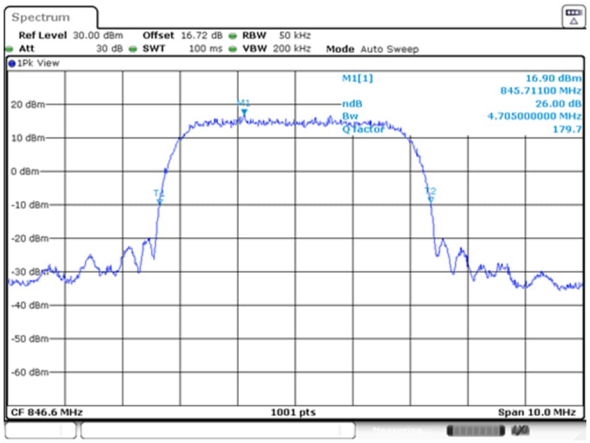
26dB Bandwidth



Channel: 4233
99% Occupied Bandwidth



26dB Bandwidth



4.3 Band Edge Spurious and Harmonic at Antenna Terminals

4.3.1 Measurement procedure

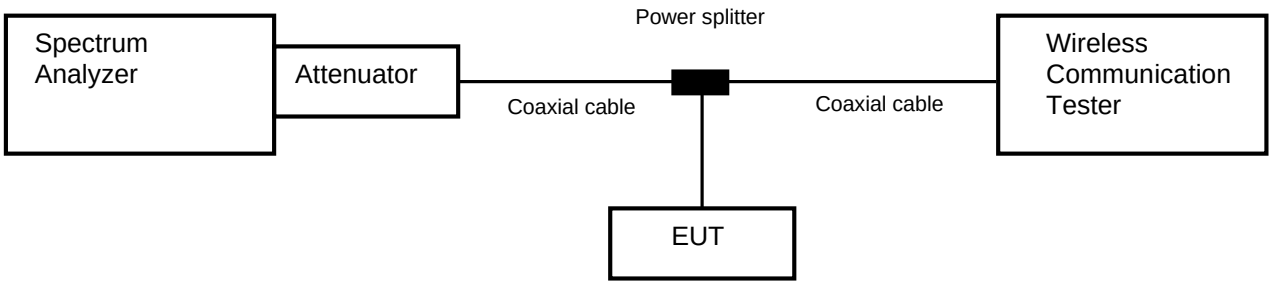
[FCC 22.917(a), 2.1051]

The band edge spurious and harmonic was measured with a spectrum analyzer connected to the antenna terminal.

The spectrum analyzer is set to;
<Band Edge>
a) Span was set large enough so as to capture all out of band emissions near the band edge
b) RBW ≥ 1% of the emission bandwidth or 2% of the emission bandwidth
c) VBW ≥ 3 x RBW
d) Detector = RMS
e) Trace mode = Max hold
f) Sweep time = auto-couple
g) Number of sweep point ≥ 2 x span / RBW

<Spurious Emissions>
a) RBW = 1MHz & VBW ≥ 3 x RBW
b) Detector = Peak
c) Trace mode = Max hold
d) Sweep time = auto-couple
e) Number of sweep point ≥ 2 x span / RBW

- Test configuration



4.3.2 Limit

-13 dBm or less

4.3.3 Measurement result

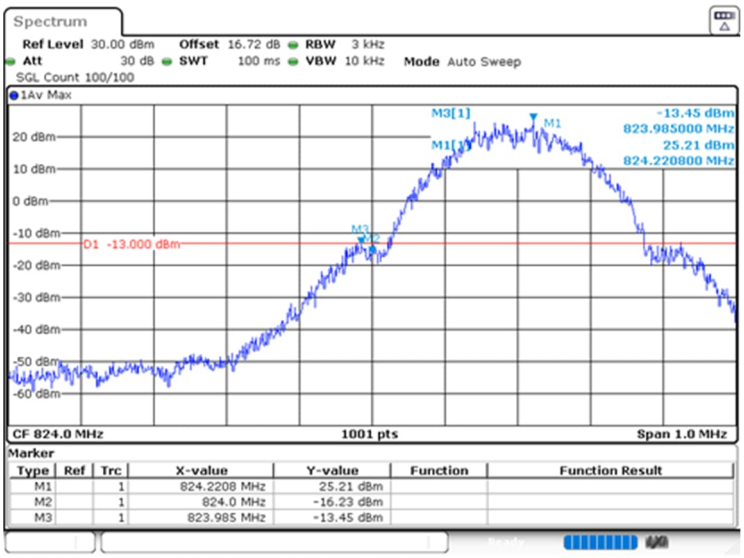
Date : 24-October-2025
Temperature : 19.1 [˚C]
Humidity : 42.9 [%]
Test place : Shielded room No.4
Test engineer : Kazunori Saito

Band	Channel/BW	Frequency [MHz]	Limit [dBm]	Results	
GSM850	128	824.2	-13.0	See the trace data	PASS
	251	848.8	-13.0	See the trace data	PASS
WCDMA Band V	4132	826.4	-13.0	See the trace data	PASS
	4233	846.6	-13.0	See the trace data	PASS

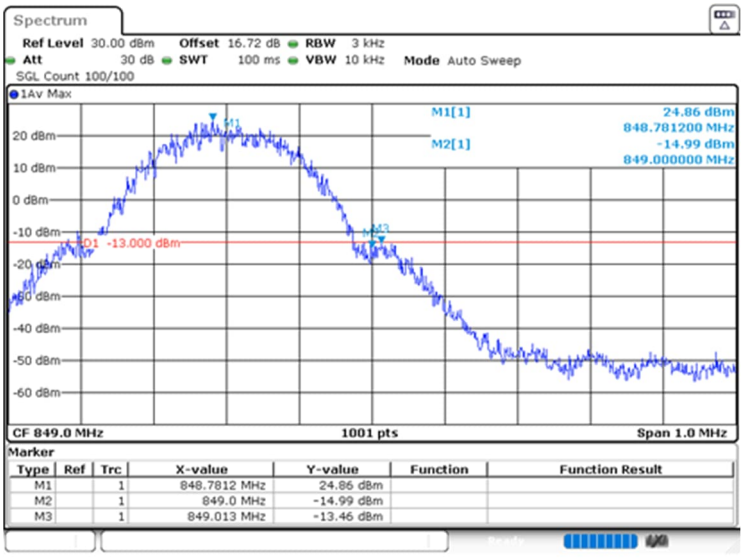
4.3.4 Trace data

[GSM850]
(Band Edge)

Channel: 128

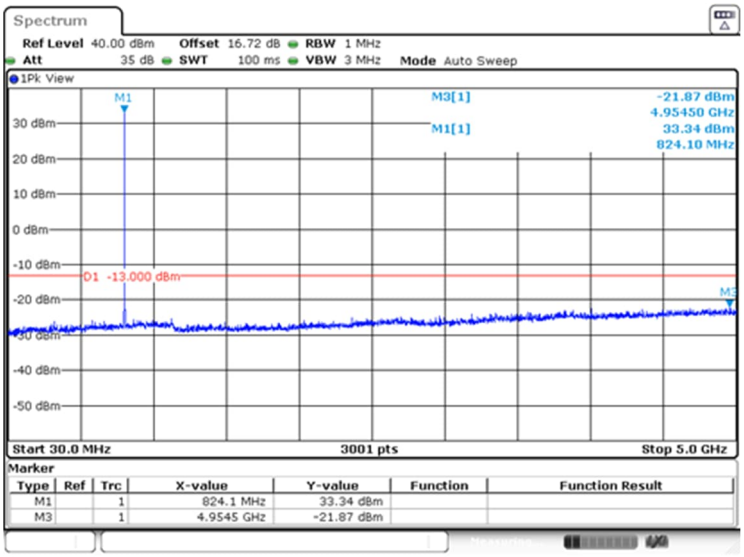


Channel: 251

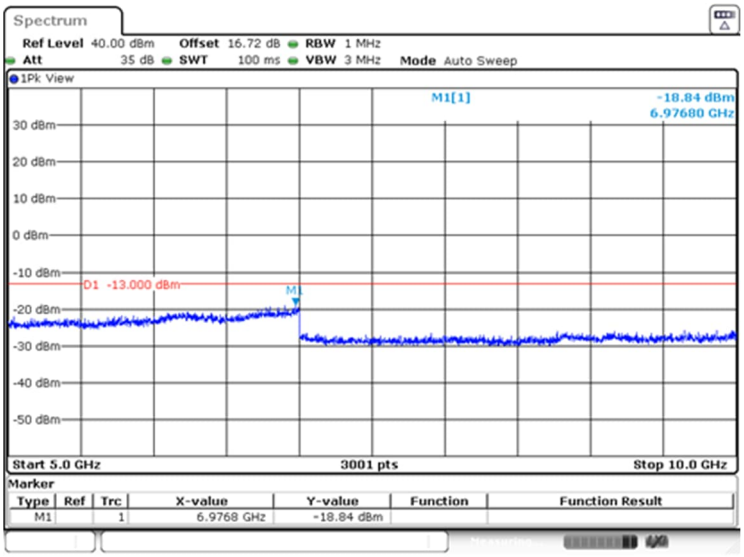


(Spurious Emissions)
Note: Conducted spurious test was measured in the worst case of conducted output power.

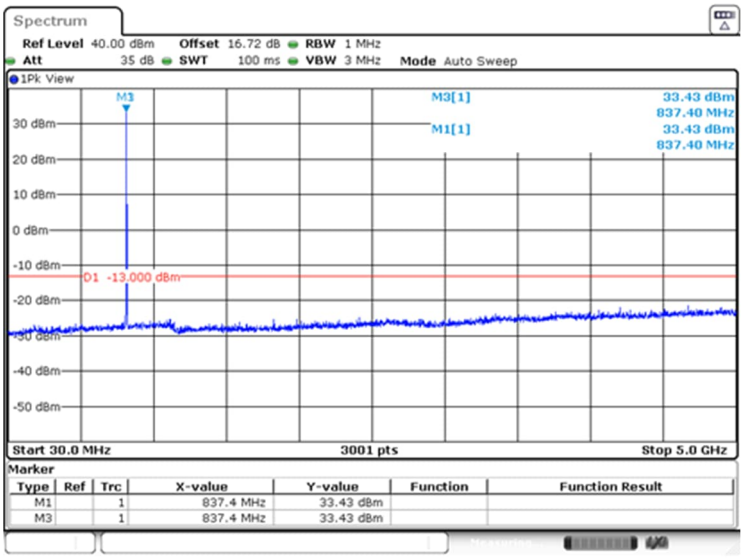
Channel: 128
30MHz-5GHz



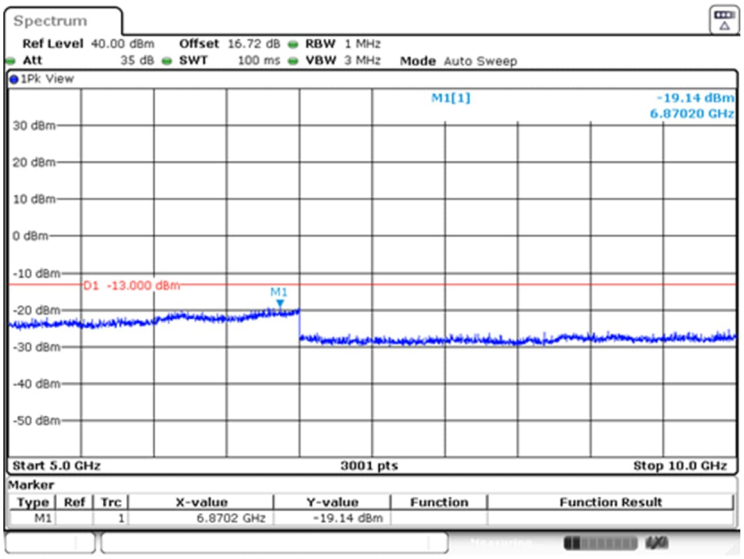
5GHz-10GHz



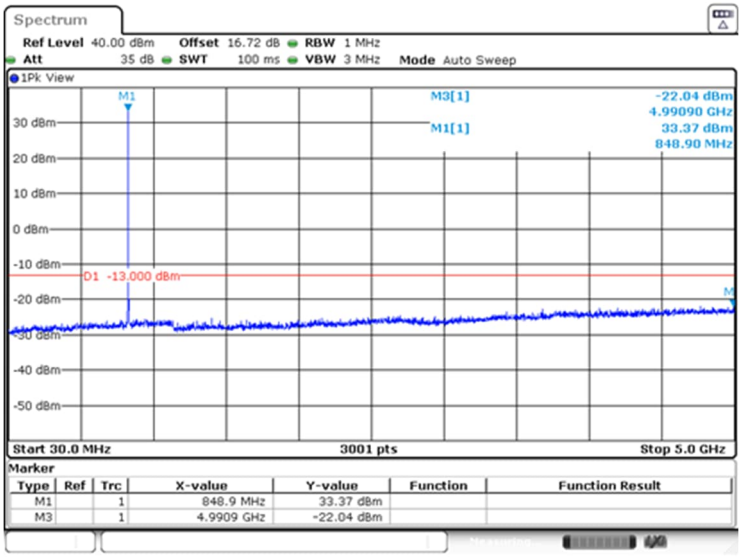
Channel: 190
30MHz-5GHz



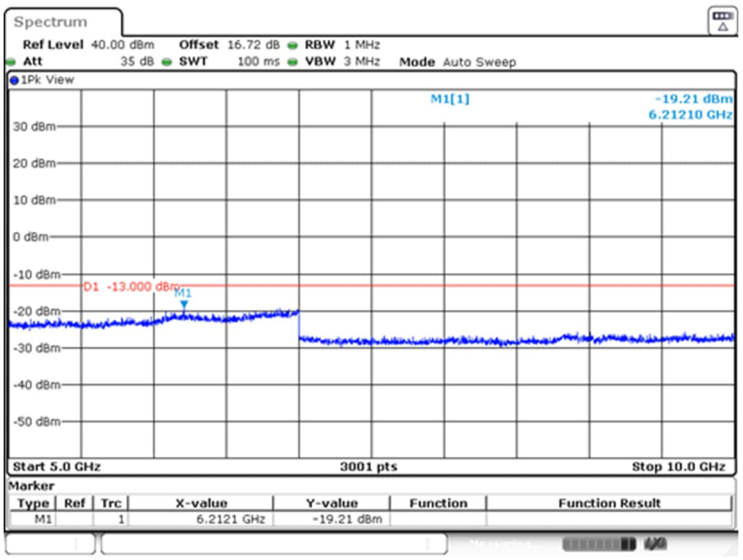
5GHz-10GHz



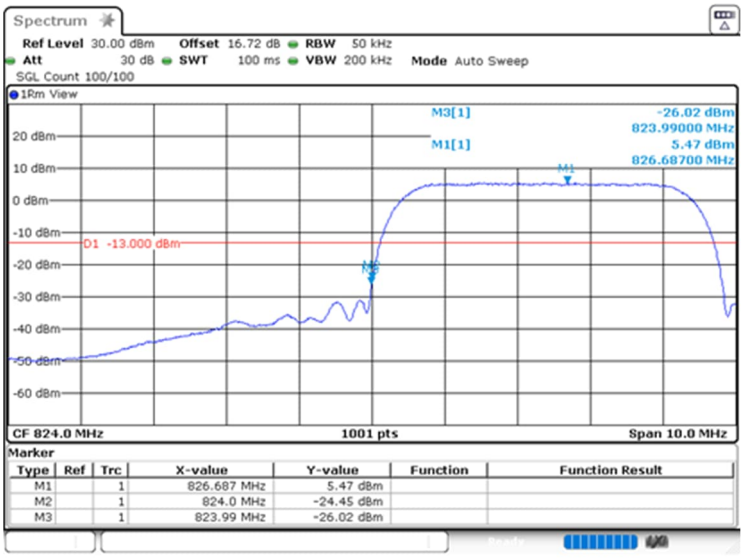
Channel: 251
30MHz-5GHz

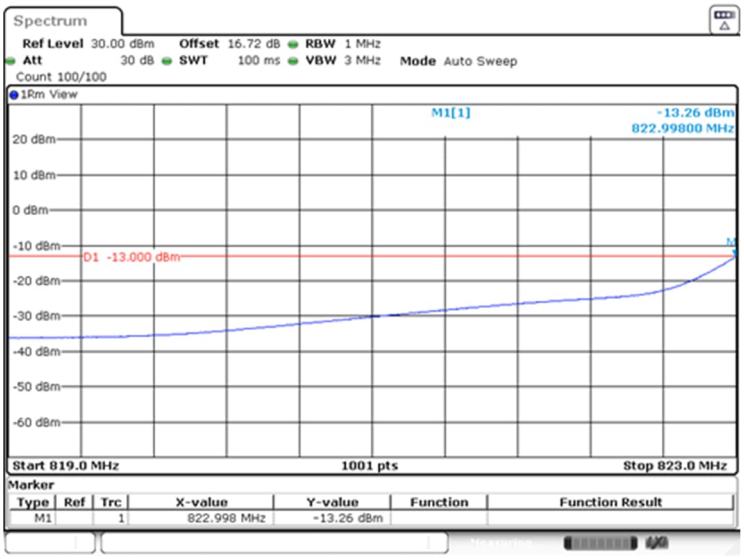


5GHz-10GHz

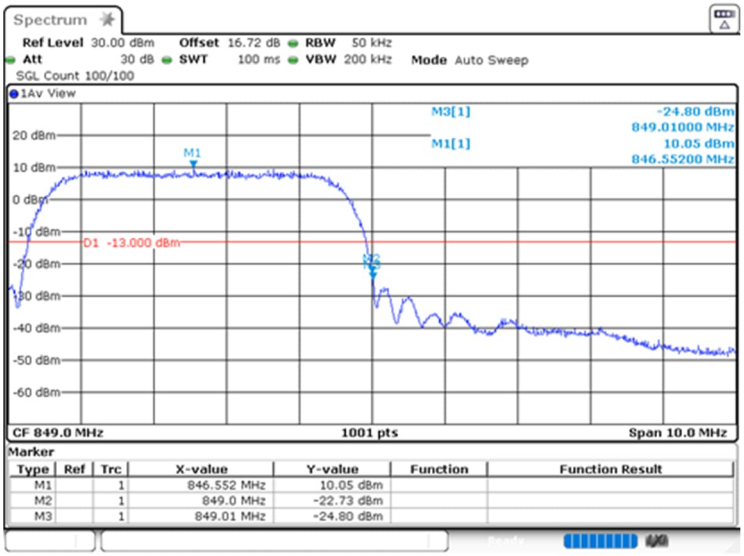


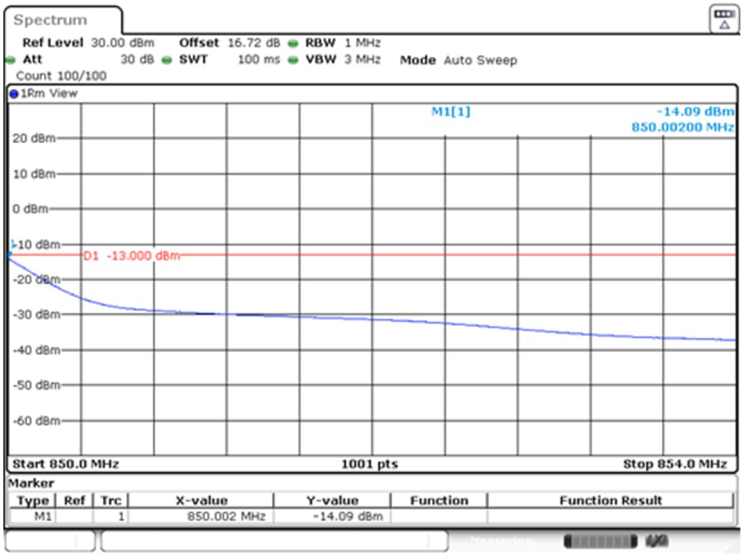
[WCDMA Band V]
(Band Edge)
Channel: 4132





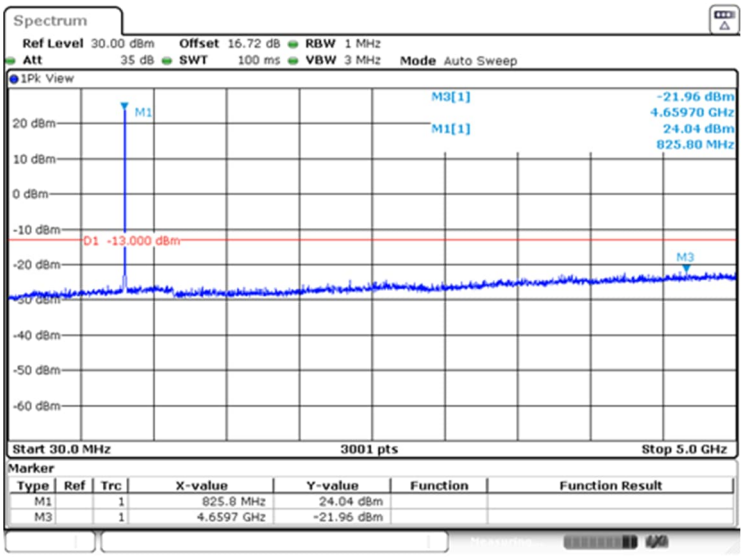
Channel: 4233



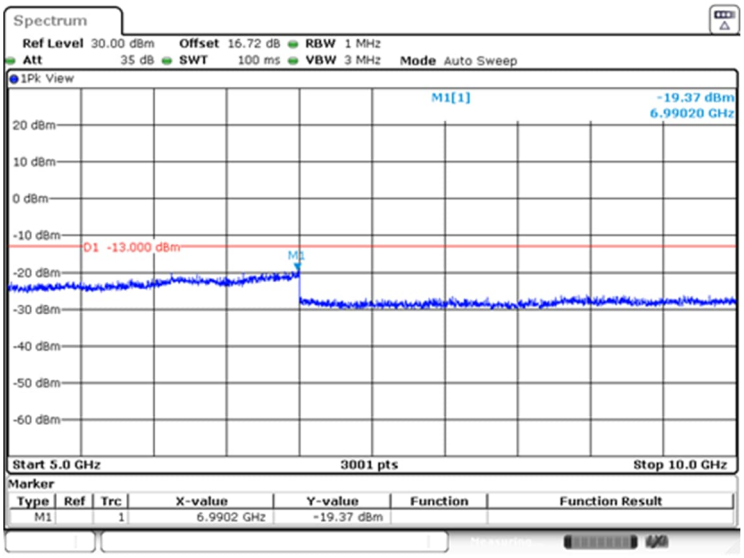


(Spurious Emissions)
Note: Conducted spurious test was measured in the worst case of conducted output power.

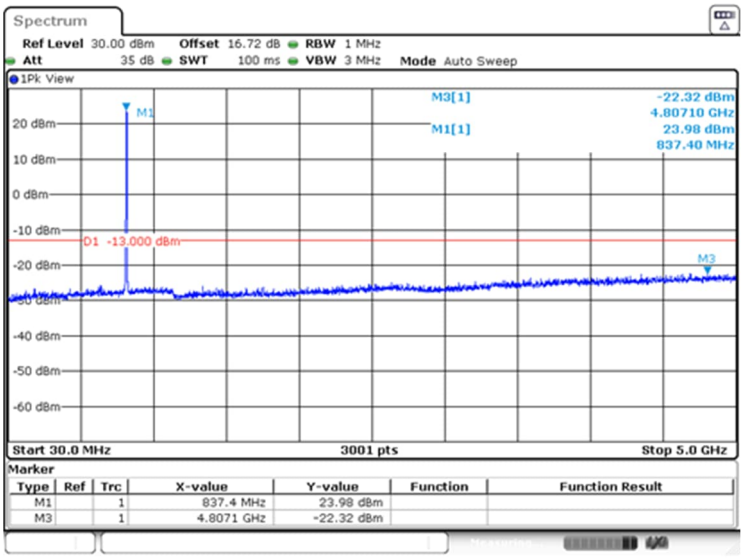
Channel: 4132
30MHz-5GHz



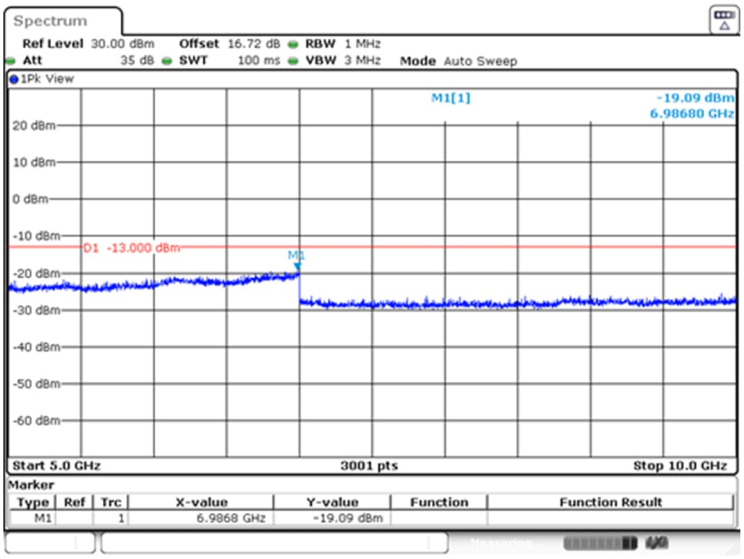
5GHz-10GHz



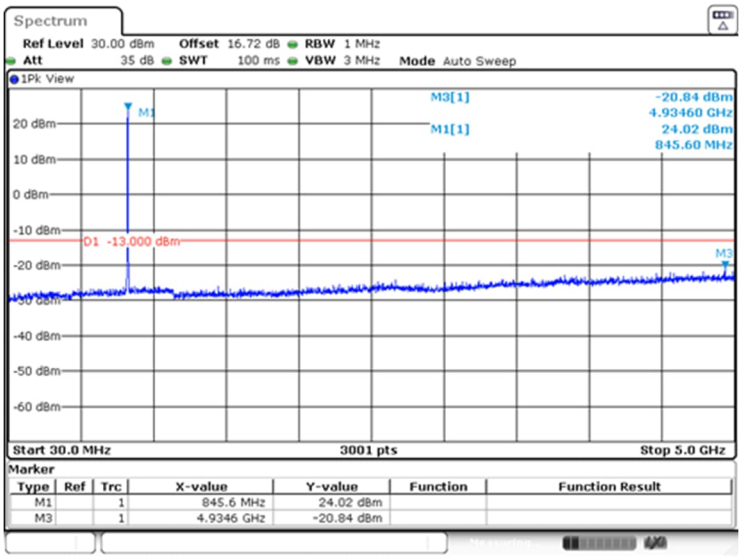
Channel: 4183
30MHz-5GHz



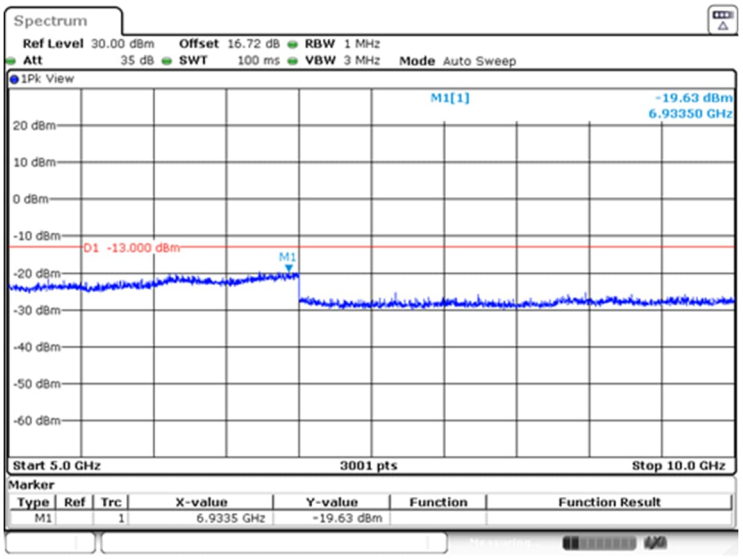
5GHz-10GHz



Channel: 4233
30MHz-5GHz



5GHz-10GHz



4.4 Radiated Emissions and Harmonic Emissions

4.4.1 Measurement procedure

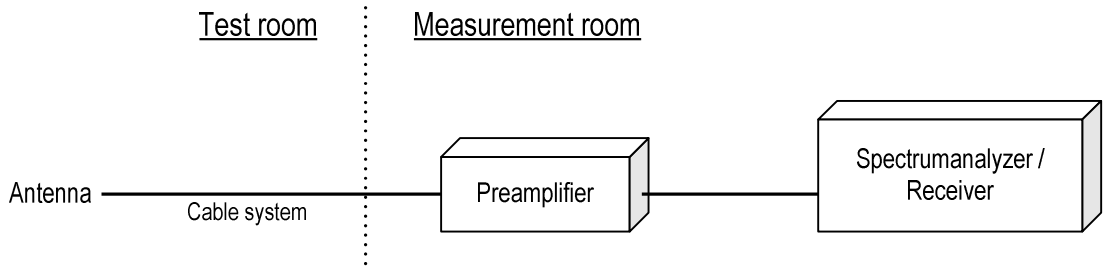
[FCC 22.917(a), 2.1053]

<Step 1>
The EUT and support equipment are placed on a 1 meter x 1 meter surface, 0.8 meter height (Below 1GHz) or 0.6 meter x 0.6 meter surface, 1.5 meter height (Above 1GHz) styrene foam table. Radiated emission measurements are performed at 3 meter distance with the broadband antenna (Biconical antenna, Log periodic antenna and double ridged guide antenna). The antenna is positioned both the horizontal and vertical planes of polarization and height is varied 1 to 4 meters and stopped at height producing the maximum emission.
The bandwidth of the spectrum analyzer is set to 1MHz. The turntable is rotated by 360 degrees and stopped at azimuth of producing the maximum emission. The frequency is investigated up to 20GHz.

<Step 2>
The substitution antenna is replaced by the transmitter antenna (EUT).
The frequency of the signal generator is adjusted to the measurement frequency.
Level of the signal generator is adjusted to the level that is obtained from step 1, and record the emission level of signal generator.

The spectrum analyzer is set to;
a) RBW = 100kHz for below 1GHz and 1MHz for above 1GHz / VBW ≥ 3 x RBW
b) Detector = Peak
c) Trace mode = Max hold
d) Sweep time = auto-couple

- Test configuration



4.4.2 Calculation method

Result (EIRP) = Ant. Input - Cable loss + Antenna Gain
Margin = Limit – Result (EIRP)

Example:
Limit @ 1673.2 MHz: -13.0 dBm
Ant. Input = -56.4 dBm Cable loss = 1.0 dB Ant. Gain = 6.9 dBi
Result = -56.4 - 1.0 + 6.9 = -50.5 dBm
Margin = -13.0 - (-50.5) = 37.5 dB

4.4.3 Limit

-13 dBm or less

4.4.4 Test data

Date : 20-November-2025
Temperature : 21.0 [˚C]
Humidity : 30.6 [%] Test engineer :
Test place : 3m Semi-anechoic chamber Chiaki Kanno

[GSM850]
(Channel: 128)

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBi]	Result [dBm]	Limit [dBm]	Margin [dB]
H	1648.8	-53.3	-48.8	1.1	6.2	-43.7	-13.0	30.7

(Channel: 190)

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBi]	Result [dBm]	Limit [dBm]	Margin [dB]
H	1673.2	-53.1	-48.7	1.1	5.8	-44.0	-13.0	31.0

(Channel: 251)

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBi]	Result [dBm]	Limit [dBm]	Margin [dB]
H	1697.6	-54.1	-48.0	1.1	5.4	-43.7	-13.0	30.7

[WCDMA Band V]
(Channel: 4132)

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBi]	Result [dBm]	Limit [dBm]	Margin [dB]
H	1652.8	-58.7	-53.3	1.1	6.1	-48.2	-13.0	35.2

(Channel: 4183)

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBi]	Result [dBm]	Limit [dBm]	Margin [dB]
H	1673.2	-58.7	-54.4	1.1	5.8	-49.7	-13.0	36.7

(Channel: 4233)

H/V	Frequency [MHz]	S.A Reading [dBm]	Ant. Input [dBm]	Cable loss [dB]	Ant.Gain [dBi]	Result [dBm]	Limit [dBm]	Margin [dB]
H	1693.2	-59.2	-54.7	1.1	5.4	-50.3	-13.0	37.3

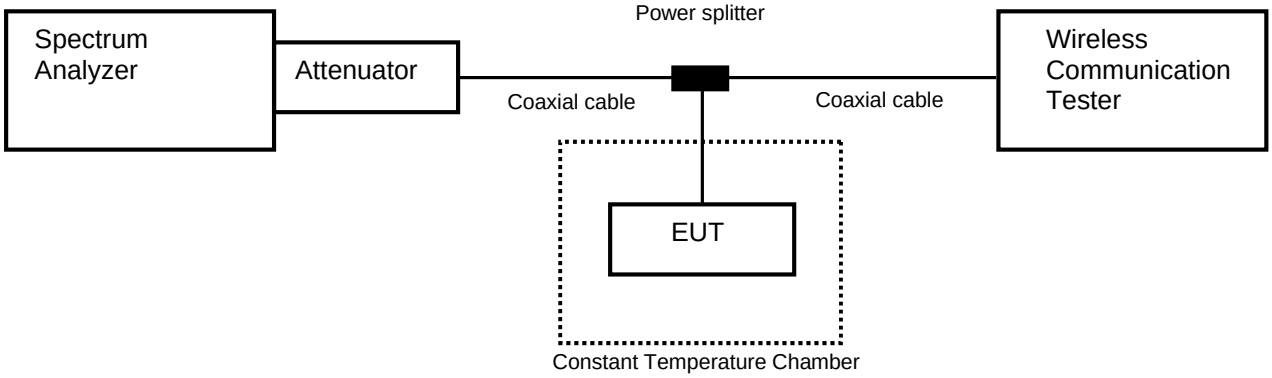
4.5 Frequency Stability

4.5.1 Measurement procedure

[FCC 22.355, 2.1055]

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 frequency drift was measured with the normal Temperature and voltage tolerance and it is presented as the ppm unit.

- Test configuration



4.5.2 Limit

±2.5 ppm

4.5.3 Measurement result

Date	:	18-November-2025			
Temperature	:	20.0 [˚C]			
Humidity	:	51.3 [%]	Test engineer	:	
Test place	:	Shielded room No.4			Kazunori Saito
Date	:	19-November-2025			
Temperature	:	19.4 [˚C]			
Humidity	:	47.4 [%]	Test engineer	:	
Test place	:	Shielded room No.4			Kazunori Saito
Date	:	20-November-2025			
Temperature	:	19.8 [˚C]			
Humidity	:	48.6 [%]	Test engineer	:	
Test place	:	Shielded room No.4			Kazunori Saito
Date	:	26-November-2025			
Temperature	:	20.5 [˚C]			
Humidity	:	48.3 [%]	Test engineer	:	
Test place	:	Shielded room No.4			Kazunori Saito

[GSM850]
(Channel: 128)

Limit: ±0.00025% = ±2.5ppm					
Power Supply [V]	**Temperature [°C]**	**Measurements Frequency [Hz]**	**Frequency Tolerance [ppm]**	**Limit [ppm]**	**Result**
3.87	25(Ref.)	824,200,008	0.00000	±2.5	Pass
	50	824,200,012	0.00517	±2.5	Pass
	40	824,200,022	0.01802	±2.5	Pass
	30	824,200,008	0.00067	±2.5	Pass
	20	824,200,024	0.02017	±2.5	Pass
	10	824,200,014	0.00728	±2.5	Pass
	0	824,200,014	0.00768	±2.5	Pass
	-10	824,200,013	0.00681	±2.5	Pass
	-20	824,200,012	0.00529	±2.5	Pass
	-30	824,200,013	0.00642	±2.5	Pass
3.29	25	824,200,009	0.00215	±2.5	Pass
4.45	25	824,200,010	0.00274	±2.5	Pass

[GSM850]
(Channel: 251)

Limit: ±0.00025% = ±2.5ppm					
Power Supply [V]	**Temperature [°C]**	**Measurements Frequency [Hz]**	**Frequency Tolerance [ppm]**	**Limit [ppm]**	**Result**
3.87	25(Ref.)	848,800,008	0.00000	±2.5	Pass
	50	848,800,013	0.00597	±2.5	Pass
	40	848,800,024	0.01860	±2.5	Pass
	30	848,800,008	-0.00072	±2.5	Pass
	20	848,800,036	0.03214	±2.5	Pass
	10	848,800,014	0.00688	±2.5	Pass
	0	848,800,013	0.00586	±2.5	Pass
	-10	848,800,016	0.00928	±2.5	Pass
	-20	848,800,012	0.00406	±2.5	Pass
	-30	848,800,012	0.00422	±2.5	Pass
3.29	25	848,800,009	0.00077	±2.5	Pass
4.45	25	848,800,010	0.00167	±2.5	Pass

[GSM850]

Limit[MHz]		824MHz ≤	≤ 849MHz	
Power Supply [V]	**Temperature [°C]**	**Low Frequency [MHz]**	**High Frequency [MHz]**	**Result**
3.87	25(Ref.)	824.0781219	848.9218781	Pass
	50	824.0791209	848.9218781	Pass
	40	824.0781219	848.9208791	Pass
	30	824.0781219	848.9208791	Pass
	20	824.0791209	848.9208791	Pass
	10	824.0781219	848.9218781	Pass
	0	824.0781219	848.9218781	Pass
	-10	824.0781219	848.9208791	Pass
	-20	824.0771229	848.9218781	Pass
	-30	824.0781219	848.9208791	Pass
3.29	25	824.0781219	848.9218781	Pass
4.45	25	824.0781219	848.9218781	Pass

[WCDMA Band V]
(Channel: 4132)

Limit: ±0.00025% = ±2.5ppm					
Power Supply [V]	**Temperature [°C]**	**Measurements Frequency [Hz]**	**Frequency Tolerance [ppm]**	**Limit [ppm]**	**Result**
3.87	25(Ref.)	826,400,002	0.00000	±2.5	Pass
	50	826,400,004	0.00254	±2.5	Pass
	40	826,400,004	0.00194	±2.5	Pass
	30	826,400,003	0.00156	±2.5	Pass
	20	826,400,003	0.00156	±2.5	Pass
	10	826,399,997	-0.00657	±2.5	Pass
	0	826,399,997	-0.00632	±2.5	Pass
	-10	826,399,997	-0.00582	±2.5	Pass
	-20	826,400,003	0.00064	±2.5	Pass
	-30	826,400,003	0.00136	±2.5	Pass
3.29	25	826,400,003	0.00068	±2.5	Pass
4.45	25	826,400,003	0.00073	±2.5	Pass

[WCDMA Band V]
(Channel: 4132)

Limit: ±0.00025% = ±2.5ppm					
Power Supply [V]	**Temperature [°C]**	**Measurements Frequency [Hz]**	**Frequency Tolerance [ppm]**	**Limit [ppm]**	**Result**
3.87	25(Ref.)	846,599,997	0.00000	±2.5	Pass
	50	846,599,995	-0.00232	±2.5	Pass
	40	846,599,996	-0.00142	±2.5	Pass
	30	846,599,996	-0.00057	±2.5	Pass
	20	846,599,995	-0.00178	±2.5	Pass
	10	846,600,003	0.00724	±2.5	Pass
	0	846,600,005	0.00905	±2.5	Pass
	-10	846,600,004	0.00816	±2.5	Pass
	-20	846,600,003	0.00692	±2.5	Pass
	-30	846,599,996	-0.00099	±2.5	Pass
3.29	25	846,599,996	-0.00139	±2.5	Pass
4.45	25	846,599,997	-0.00012	±2.5	Pass

Calculation:
Frequency Tolerance (ppm) = Measurements Frequency (Hz) – Reference Frequency (Hz) / Reference Frequency (Hz) x 1000000

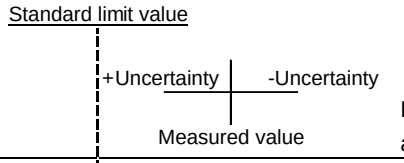
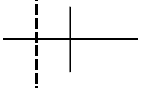
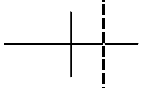
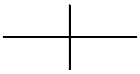
[WCDMA Band V]

Limit[MHz]		824MHz ≤	≤ 849MHz	
Power Supply [V]	**Temperature [°C]**	**Low Frequency [MHz]**	**High Frequency [MHz]**	**Result**
3.87	25(Ref.)	824.3320679	848.6679321	Pass
	50	824.3320679	848.6679321	Pass
	40	824.3320679	848.6679321	Pass
	30	824.3320679	848.6679321	Pass
	20	824.3320679	848.6679321	Pass
	10	824.3320679	848.6579421	Pass
	0	824.3320679	848.6579421	Pass
	-10	824.3320679	848.6579421	Pass
	-20	824.3320679	848.6579421	Pass
	-30	824.3320679	848.6579421	Pass
3.29	25	824.3320679	848.6679321	Pass
4.45	25	824.3320679	848.6679321	Pass

5 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	$\pm 0.9 * 10^{-7}$
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	**Case1**  Even if it takes uncertainty into consideration, a standard limit value is fulfilled.
	Case2  Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.
FAIL	**Case3**  Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.
	Case4  Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.

6 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
Attenuator	Weinschel	56-10	J4993	31-Dec-2025	16-Dec-2024
Power divider	ANRITSU	K240B	020205	30-Sep-2026	10-Sep-2025
Microwave cable	HUBER+SUHNER	SUCOFLEX102/1m	547874/2	31-Jul-2026	9-Jul-2025
Wideband Radio Frequency Tester	ROHDE&SCHWARZ	CMW500	116338	30-Apr-2026	21-Apr-2025
Wideband Radio Frequency Tester	ROHDE&SCHWARZ	CMW500	167820	31-May-2026	28-May-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
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
Double ridged guide antenna	ETS LINDGREN	3117	00256478	30-Jun-2026	30-Jun-2025
Attenuator	HUBER+SUHNER	6803.17.B	N/A(2340)	31-Dec-2025	17-Dec-2024
Preamplifier	Techno Science Japan	MLA-0118-J02-40	23050008	30-Jun-2026	19-Jun-2025
Attenuator	AEROFLEX	26A-10	081217-08	31-Dec-2025	16-Dec-2024
DRGH antenna	A.H.Systems Inc.	SAS-574	469	30-Sep-2026	17-Sep-2025
Preamplifier	Techno Science Japan	MLA-1840-B03-35	1240332	30-Sep-2026	17-Sep-2025
Microwave cable	HUBER SUNER	Sucoflex 102/5m	31647	31-Jul-2026	8-Jul-2025
Notch Filter	Micro-Tronics	BRM50706	003	31-Jul-2026	10-Jul-2025
Attenuator	Qualwave Inc.	QFA2620-26.5-20-S	22295089	30-Sep-2026	9-Sep-2025
RF Power Amplifier	R&K	CGA020M602-2633R	B40240	30-Jun-2026	17-Jun-2025
Signal generator	ROHDE&SCHWARZ	SMB100A	177525	31-Dec-2025	6-Dec-2024
Microwave cable	HUBER SUNER	Sucoflex 102/2m	31648	31-Mar-2026	18-Mar-2025
Dipole antenna	Schwarzbeck	VHAP	1021	31-Jul-2026	18-Jul-2025
Dipole antenna	Schwarzbeck	UHAP	993	31-Jul-2026	18-Jul-2025
Double ridged guide antenna	ETS LINDGREN	3117	00218815	30-Nov-2025	11-Nov-2024
Wideband Radio Frequency Tester	ROHDE&SCHWARZ	CMW500	116338	30-Apr-2026	21-Apr-2025
Wideband Radio Frequency Tester	ROHDE&SCHWARZ	CMW500	167820	31-May-2026	28-May-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
Absorber	RIKEN	PFP30	N/A	N/A	N/A
3m Semi-anechoic Chamber	TOKIN	N/A	N/A(9002-NSA)	31-May-2026	15-May-2025
3m Semi-anechoic Chamber	TOKIN	N/A	N/A(9002-SVSWR)	31-May-2026	15-May-2025

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