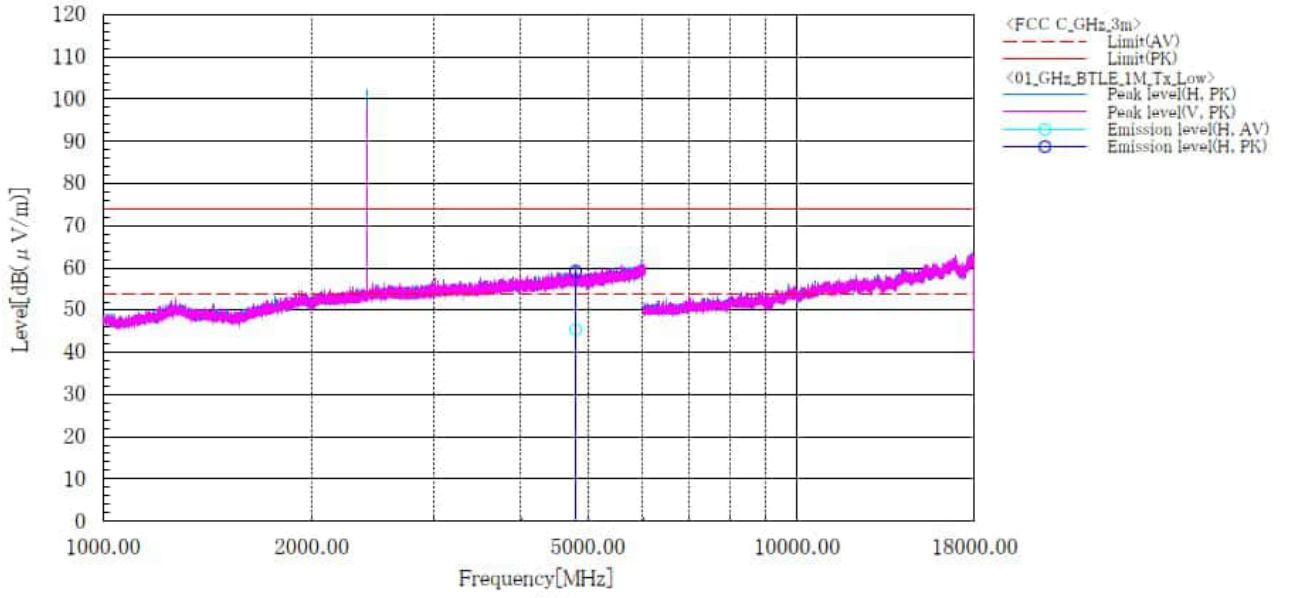
[BT_LE (1Mbps)]
Channel: Low
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 01
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.4 [° C], 34.4 [%]
Test mode	: BT LE_1M_Tx	Note1	: CH:Low (2402MHz)



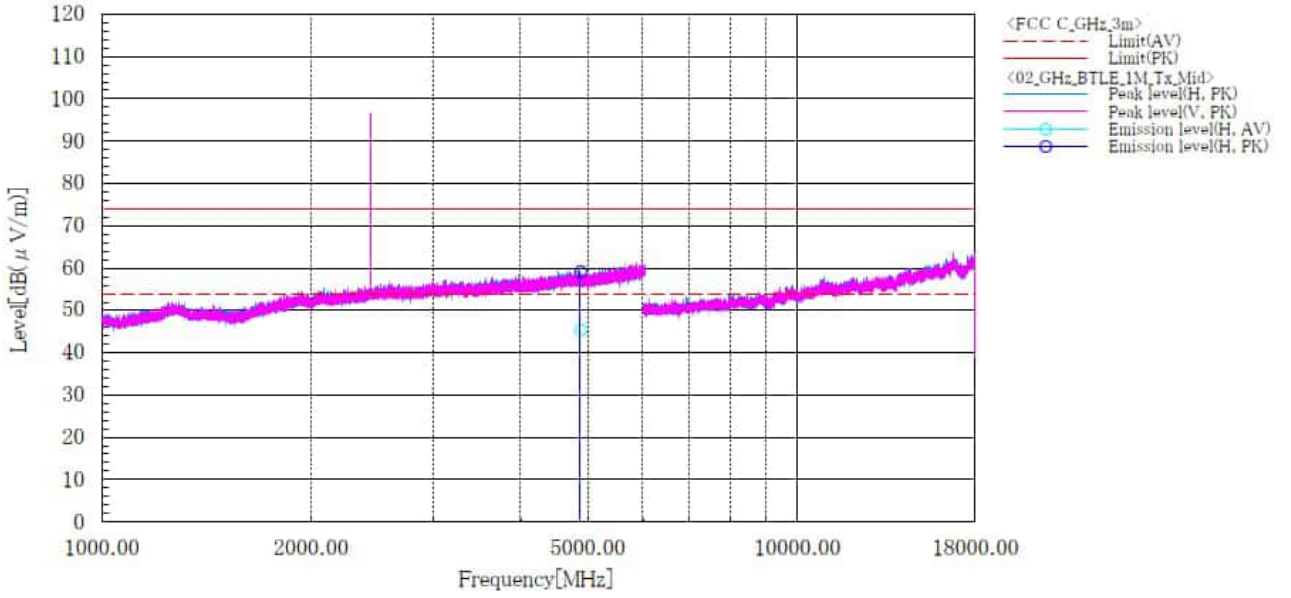
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4804.000	H	33.1	47.0	12.3	45.4	59.3	54.0	74.0	8.6	14.7	166.0	213.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (1Mbps)]
Channel: Middle
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 02
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.4 [° C], 34.4 [%]
Test mode	: BT LE_1M_Tx	Note1	: CH:Mid (2440MHz)



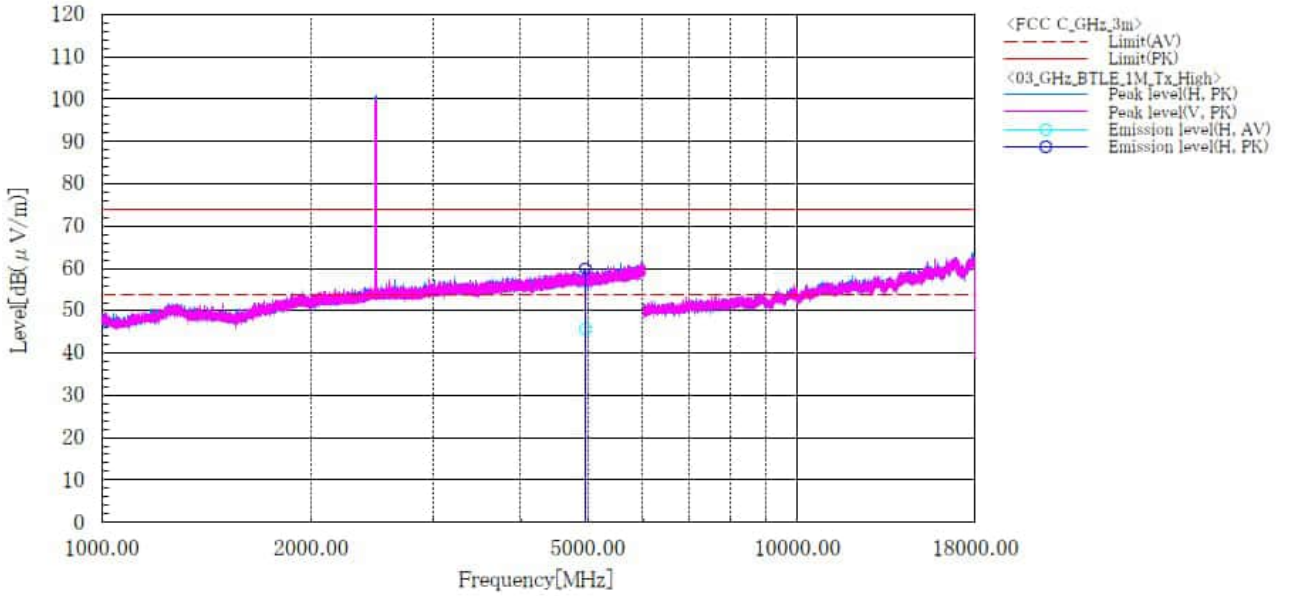
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4880.000	H	33.1	46.9	12.3	45.4	59.2	54.0	74.0	8.6	14.8	166.0	213.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (1Mbps)]
Channel: High
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 03
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.4 [° C], 34.4 [%]
Test mode	: BT LE_1M_Tx	Note1	: CH:High (2480MHz)



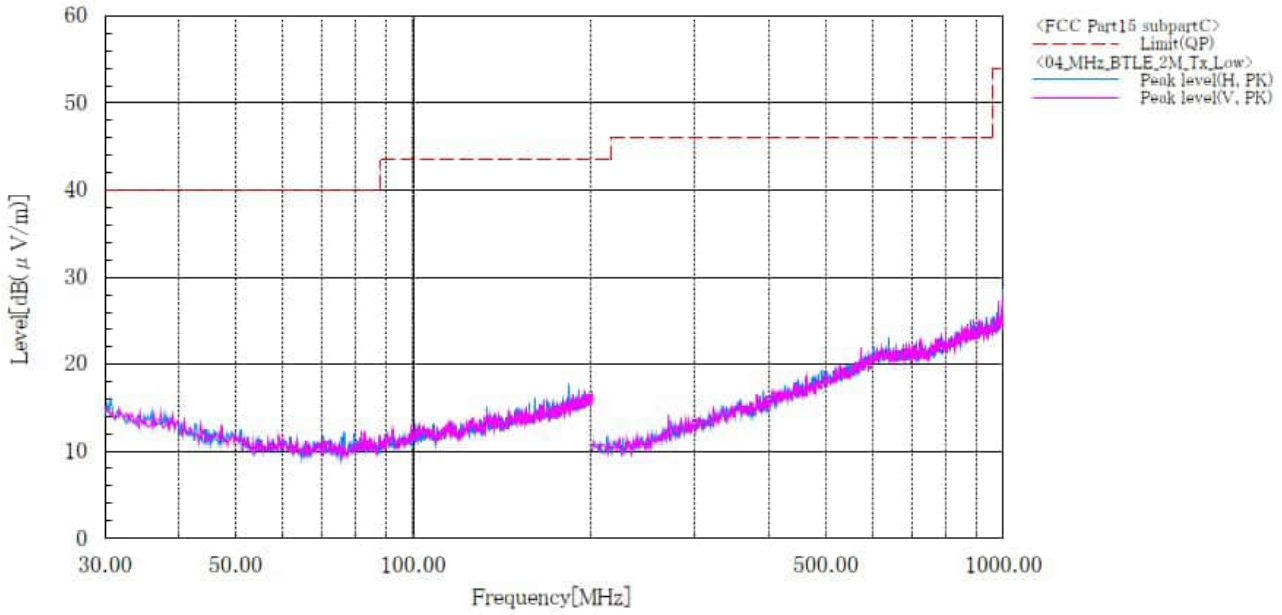
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4960.000	H	33.4	47.7	12.3	45.7	60.0	54.0	74.0	8.3	14.0	131.0	134.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (2Mbps)]
Channel: Low
BELOW 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 04
EUT	: Mobile Phone	Standard	: FCC Part15 subpart C
Model No.	: EB1220	Operator	: T.Seino
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.8 [° C] 32.4 [%]
Test mode	: BTLE_2M_Tx_CH:Low	Note1	:

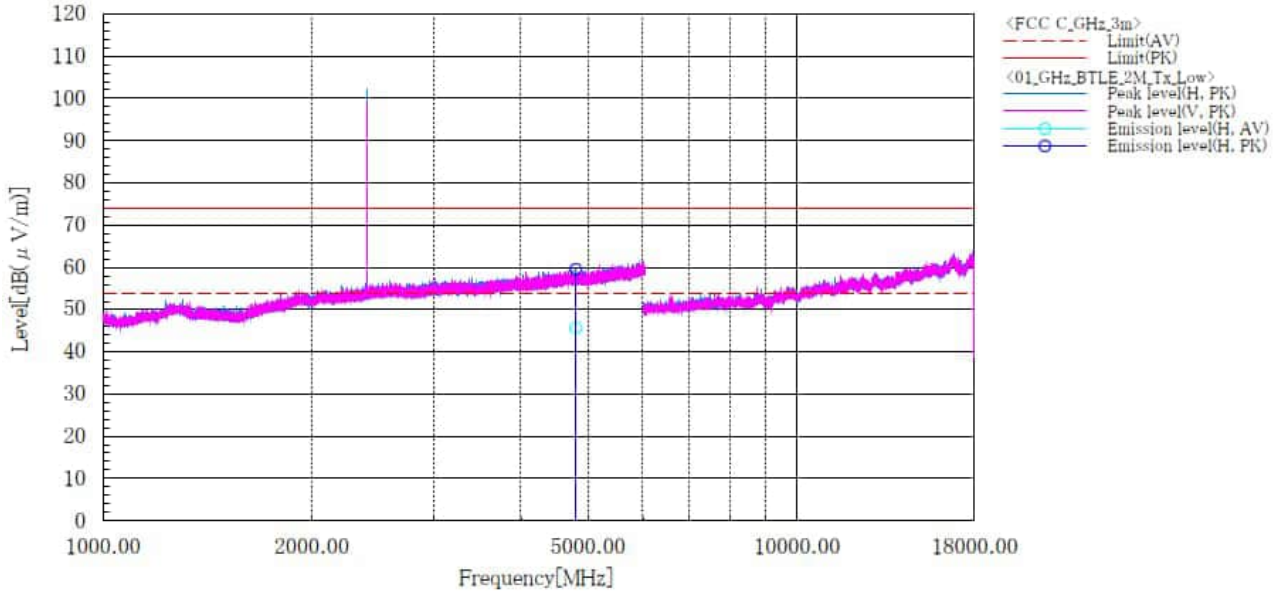


Final Result

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 30MHz at the 3 meters distance.

[BT_LE (2Mbps)]
Channel: Low
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 01
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_2M_Tx	Note1	: CH:Low (2402MHz)



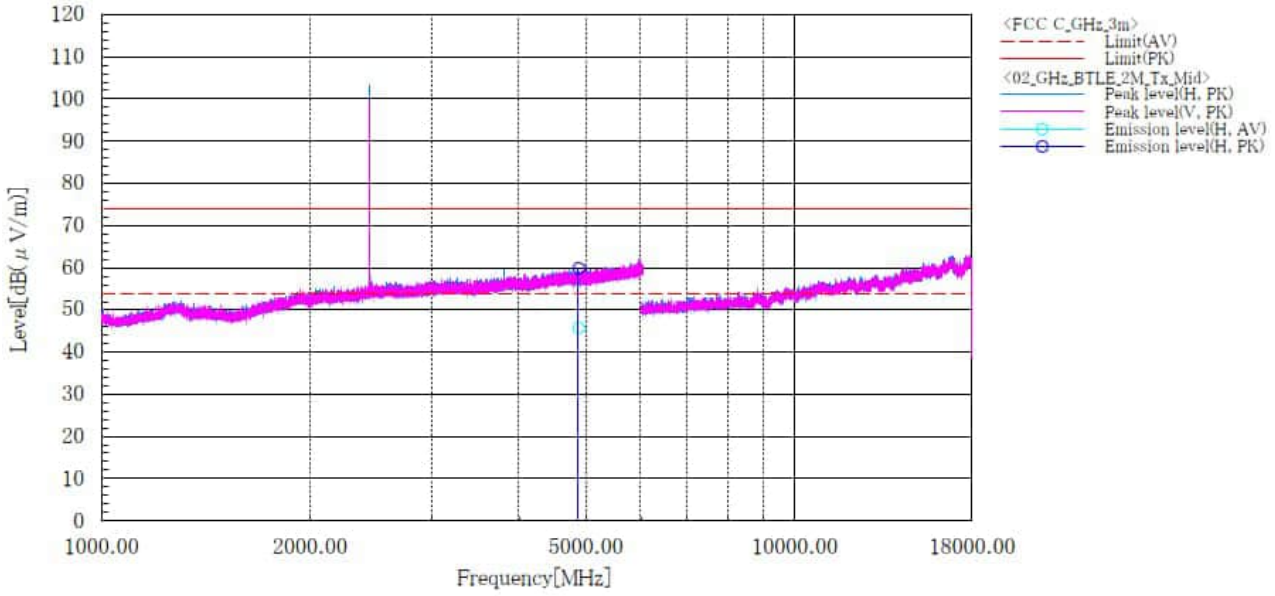
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4804.000	H	33.3	47.3	12.3	45.6	59.6	54.0	74.0	8.4	14.4	191.0	216.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (2Mbps)]
Channel: Middle
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 02
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_2M_Tx	Note1	: CH:Mid (2440MHz)



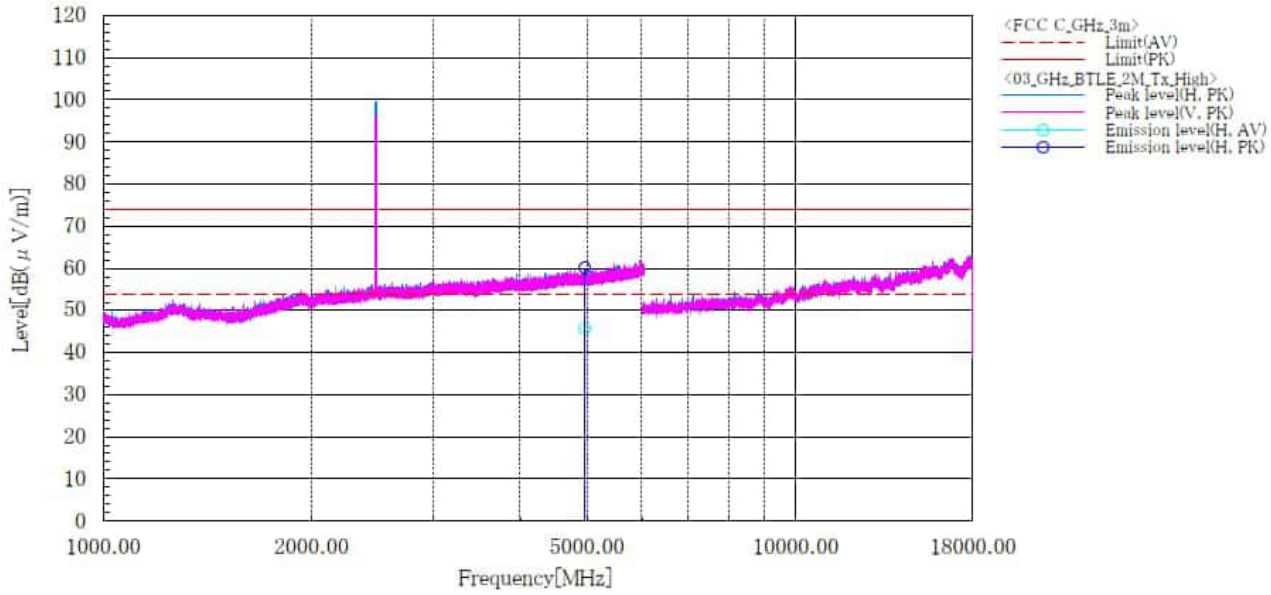
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4880.000	H	33.4	47.5	12.3	45.7	59.8	54.0	74.0	8.3	14.2	162.0	216.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (2Mbps)]
Channel: High
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 03
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_2M_Tx	Note1	: CH:High (2480MHz)



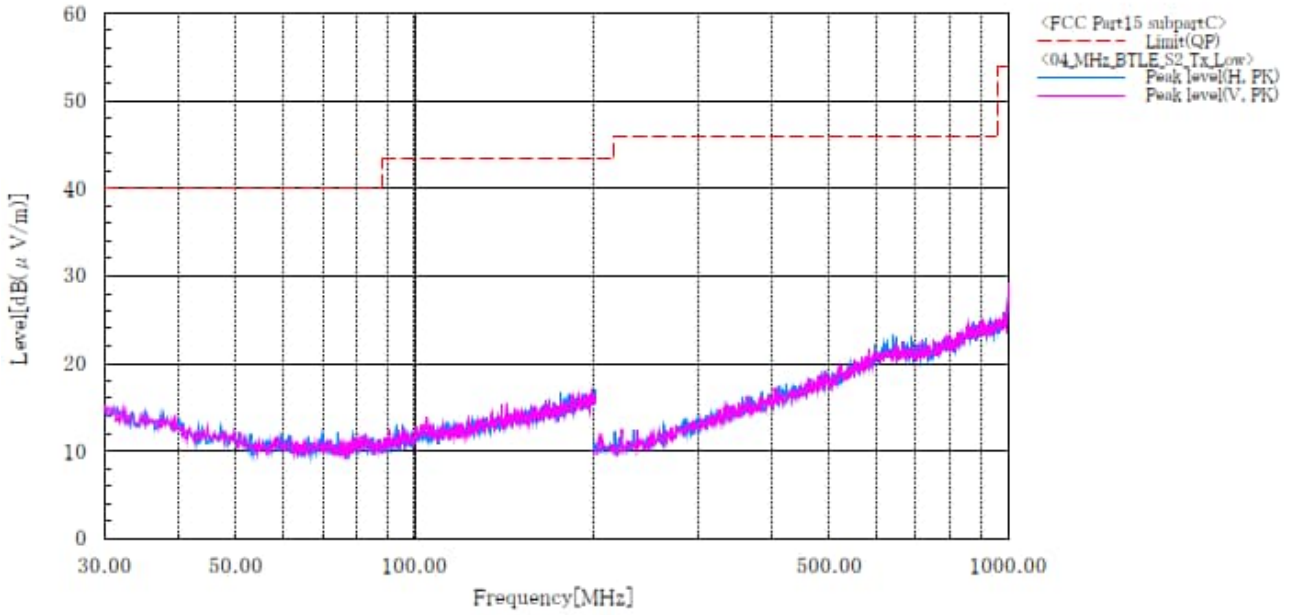
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4960.000	H	33.5	47.9	12.3	45.8	60.2	54.0	74.0	8.2	13.8	156.0	210.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (LongRange S2)]
Channel: Low
BELOW 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 04
EUT	: Mobile Phone	Standard	: FCC Part15 subpart C
Model No.	: EB1220	Operator	: T.Seino
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.8 [° C] 32.4 [%]
Test mode	: BTLE_S2_Tx_CH:Low	Note1	:

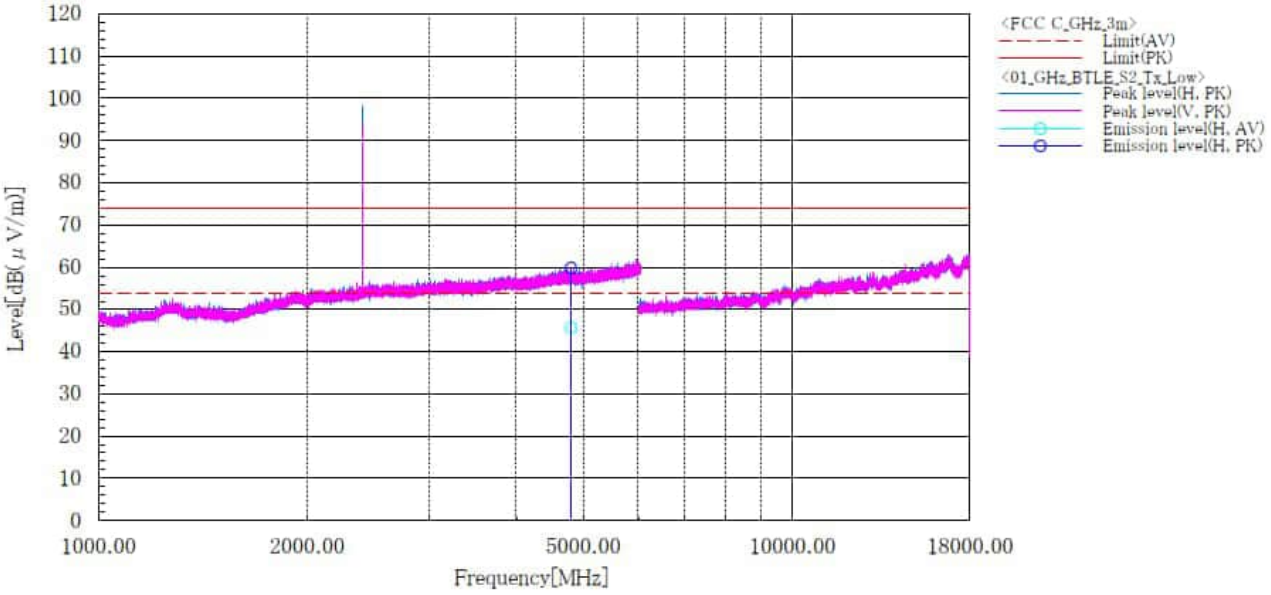


Final Result

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 30MHz at the 3 meters distance.

[BT_LE (LongRange S2)]
Channel: Low
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 01
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_S2_Tx	Note1	: CH:Low (2402MHz)



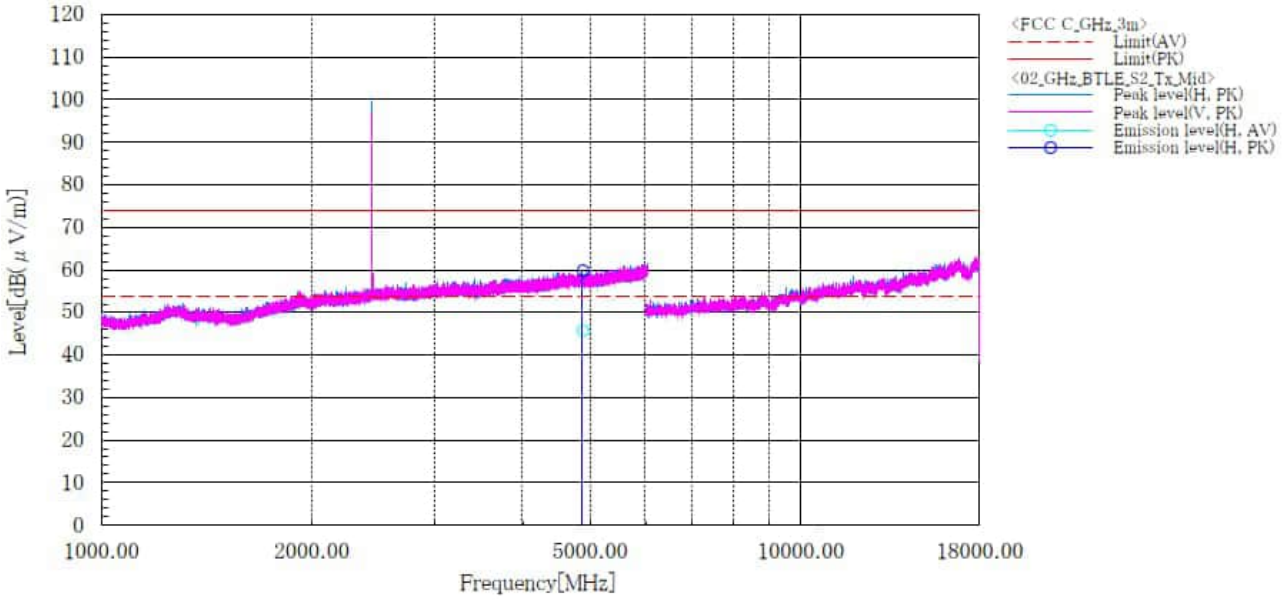
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4804.000	H	33.3	47.4	12.3	45.6	59.7	54.0	74.0	8.4	14.3	169.0	227.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (LongRange S2)]
Channel: Middle
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 02
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_S2_Tx	Note1	: CH:Mid (2440MHz)



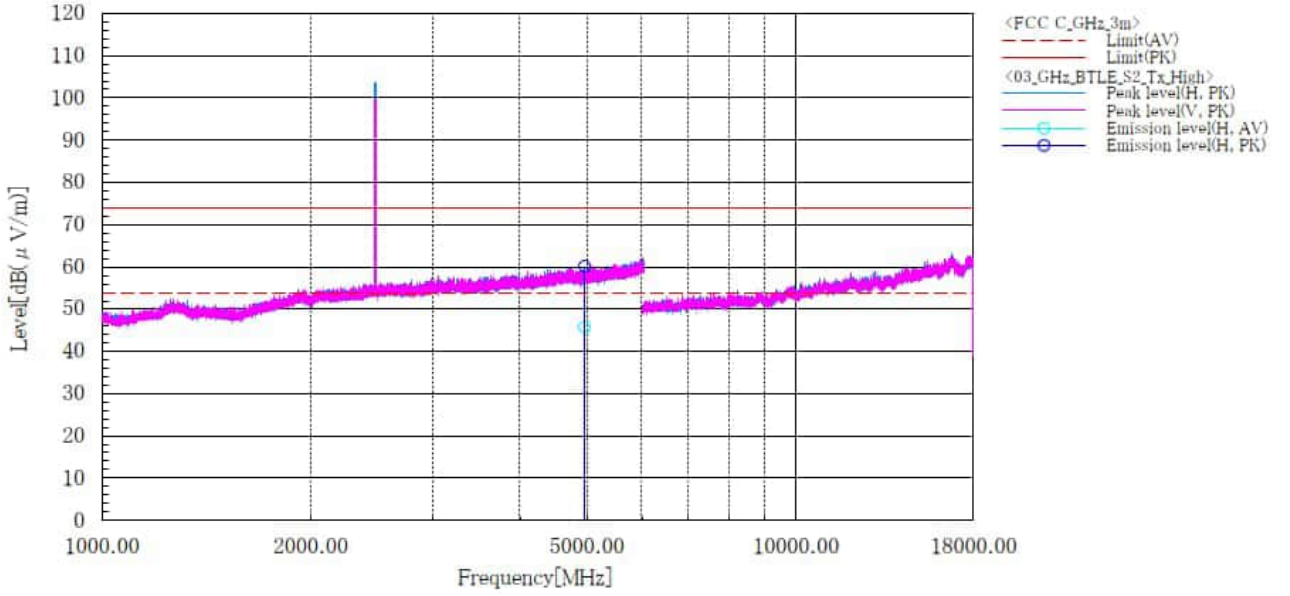
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit PK	Margin AV	Margin PK	Height	Angle	Remark
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]	
1	4880.000	H	33.5	47.4	12.3	45.8	59.7	74.0	8.2	14.3	1874.0	211.0	

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (LongRange S2)]
Channel: High
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 03
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_S2_Tx	Note1	: CH:High (2480MHz)



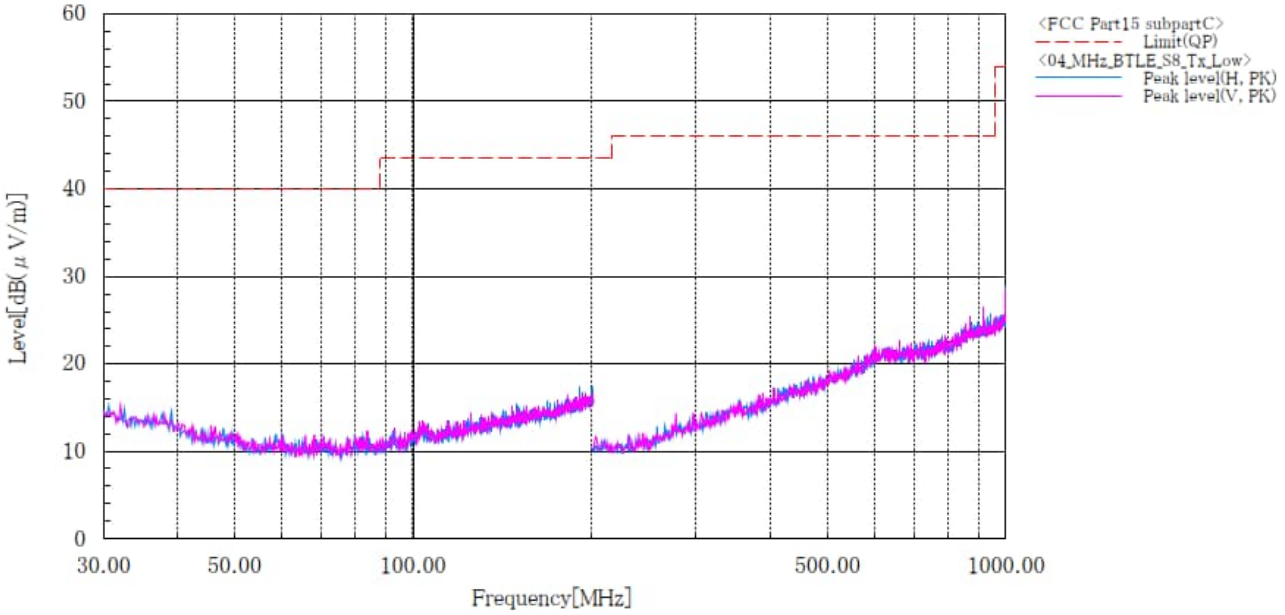
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4960.000	H	33.6	47.8	12.3	45.9	60.1	54.0	74.0	8.1	13.9	158.0	208.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (LongRange S8)]
Channel: Low
BELOW 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 04
EUT	: Mobile Phone	Standard	: FCC Part15 subpart C
Model No.	: EB1220	Operator	: T.Seino
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.8 [° C] 32.4 [%]
Test mode	: BTLE_S8_Tx_CH:Low	Note1	:

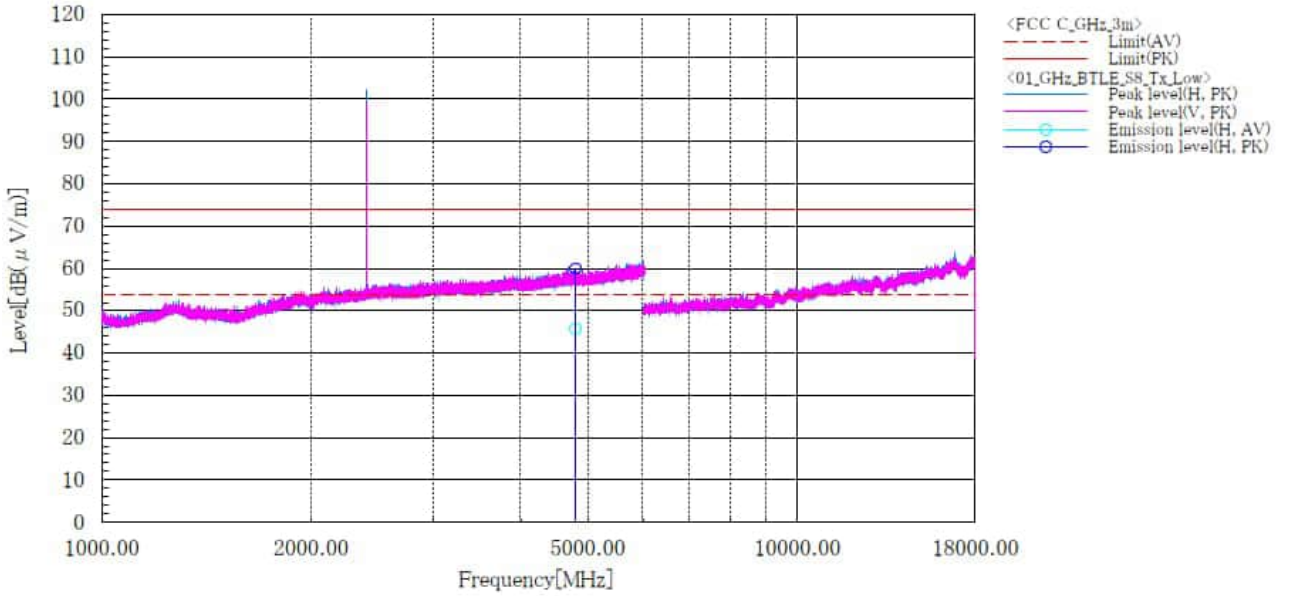


Final Result

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 30MHz at the 3 meters distance.

[BT_LE (LongRange S8)]
Channel: Low
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 01
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_S8_Tx	Note1	: CH:Low (2402MHz)



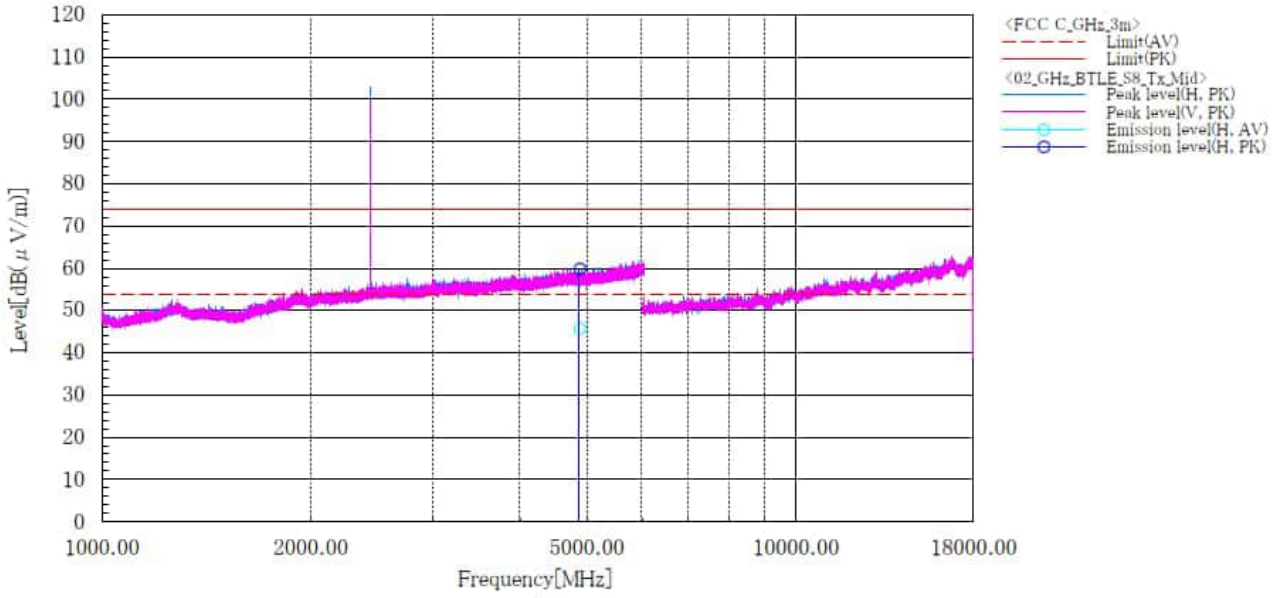
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4804.000	H	33.5	47.7	12.3	45.8	60.0	54.0	74.0	8.2	14.0	190.0	216.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (LongRange S8)]
Channel: Middle
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 02
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_S8_Tx	Note1	: CH:Mid (2440MHz)



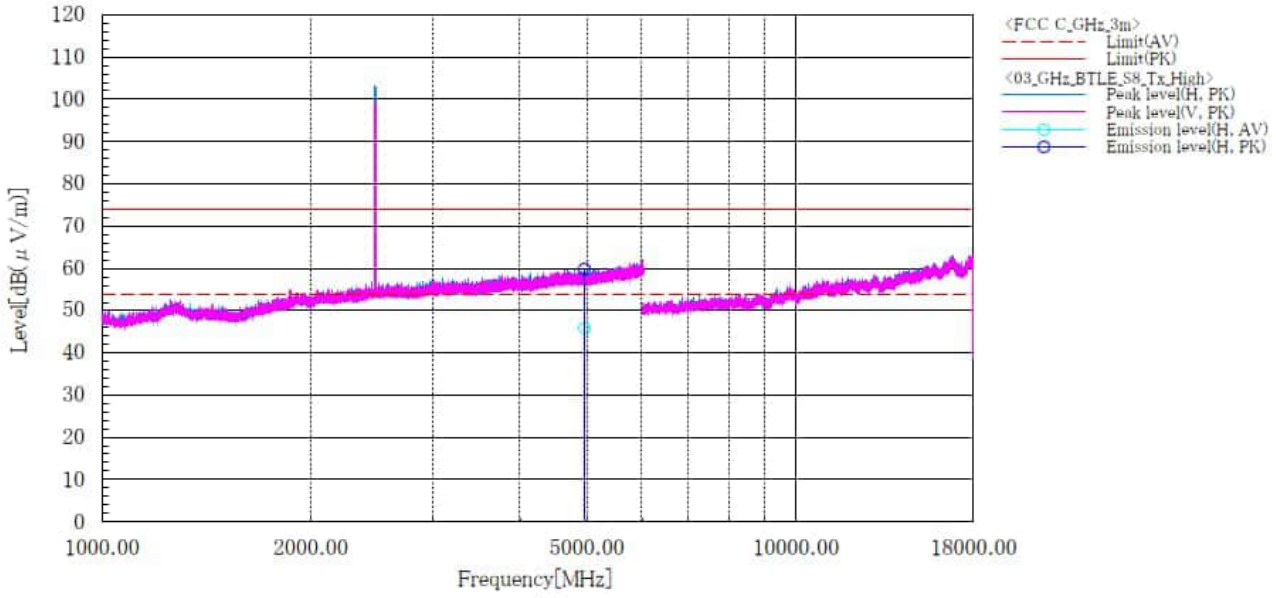
Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4880.000	H	33.5	47.5	12.3	45.8	59.8	54.0	74.0	8.2	14.2	190.0	216.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

[BT_LE (LongRange S8)]
Channel: High
ABOVE 1 GHz

Company name	: KYOCERA Corporation	Sheet No.	: 03
EUT	: Mobile Phone	Standard	: FCC Part.15 subpart C
Model No.	: EB1220	Operator	: K.Saito
Serial No.	: 353379980000799	Temp,Hum,Atm	: 21.5 [° C], 31.8 [%]
Test mode	: BT LE_S8_Tx	Note1	: CH:High (2480MHz)



Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]
1	4960.000	H	33.6	47.5	12.3	45.9	59.8	54.0	74.0	8.1	14.2	181.0	215.0

Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

4.6 Restricted Band of Operation

4.6.1 Measurement procedure

[FCC 15.247(d), 15.205, 15.209, KDB558074 D01 v05r02]

Test was applied by following conditions.

Test method	:	ANSI C63.10
Test place	:	3m Semi-anechoic chamber
EUT was placed on	:	Styrofoam table / (W)1.0m × (D)1.0m × (H)0.8m (below 1GHz) Styrofoam table / (W)0.6m × (D)0.6m ×(H)1.5m (above 1GHz)
Antenna distance	:	3m
Spectrum analyzer setting		
- Peak	:	RBW=1MHz, VBW=3MHz, Span=Arbitrary setting, Sweep=auto
- Average	:	RBW=1MHz, VBW=1kHz, Span= Arbitrary setting, Sweep=auto
		Display mode=Linear

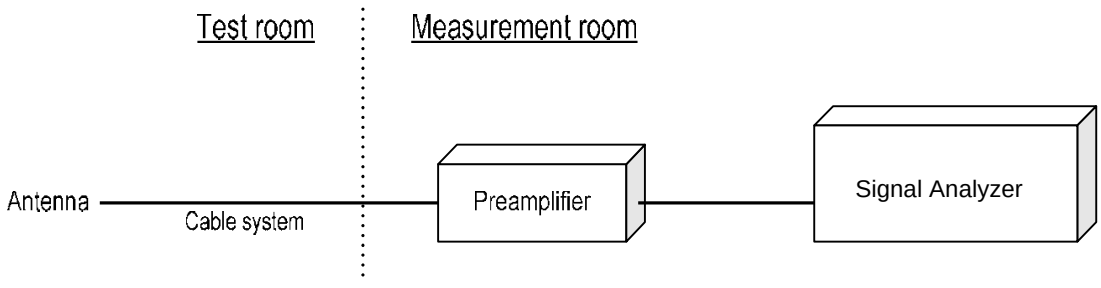
Average Measurement Setting [VBW]

Mode	Duty Cycle (%)	T_{on} (us)	T_{off} (us)	$1/T_{on}$ (kHz)	Determined VBW Setting
Bluetooth 5.4 LE (1Mbps)	84.89	2.124	0.378	0.471	1kHz
Bluetooth 5.4 LE (2Mbps)	57.01	1.069	0.806	0.935	1kHz
Bluetooth 5.4 LE (Long Range S2)	90.98	4.547	0.451	0.220	1kHz
Bluetooth 5.4 LE (Long Range S8)	97.48	17.02	0.44	0.059	1kHz

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

Radiated emission measurements are performed at 3m distance with the broadband antenna (Loop antenna, Biconical antenna, Log periodic antenna, Double ridged guide antenna and Broad-band horn Antenna). The antenna is positioned both the horizontal and vertical planes of polarization and height is varied 1m to 4m and stopped at height producing the maximum emission. As for the Loop antenna, it is positioned with its plane vertical, and the center of the Loop antenna is 1m above the ground plane.
The EUT is Placed on a turntable, which is 0.8m/1.5m above ground plane. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. The test results represent the worst case emission for each emission with manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation. Sufficient time for the EUT, support equipment, and test equipment are allowed in order for them to warm up to their normal operating condition.

- Test configuration



4.6.2 Limit

Emission at the boundary of the restricted band provided by 15.205 shall be lower than 15.209 limit.

4.6.3 Measurement result

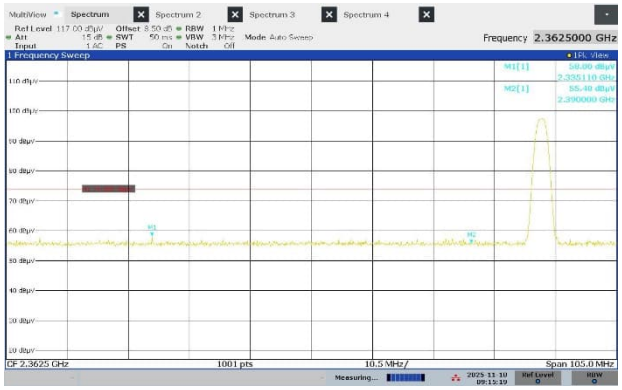
Channel	Frequency [MHz]	Results Chart	Result
Low	2402	See the Trace Data	Pass
High	2480	See the Trace Data	Pass

4.6.4 Test data

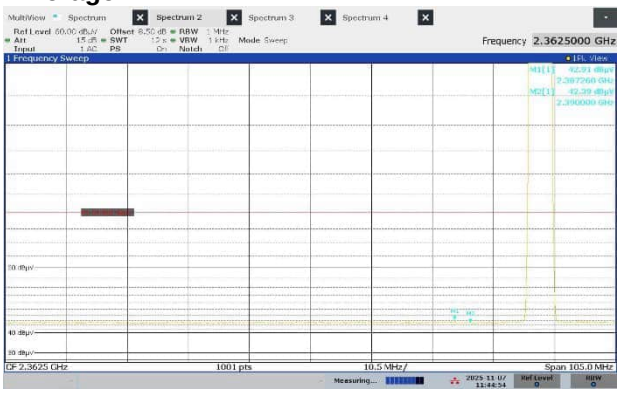
Date : 18-November-2025
Temperature : 22.7 [˚C]
Humidity : 38.5 [%]
Test place : 3m Semi-anechoic chamber

Test engineer : Chiaki Kanno

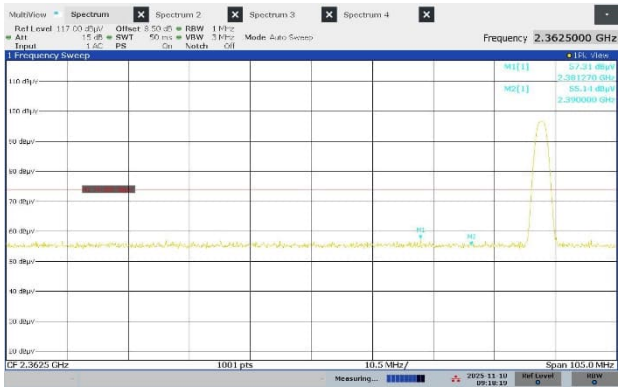
[BT_LE (1Mbps)]
Channel: Low
Horizontal
Peak



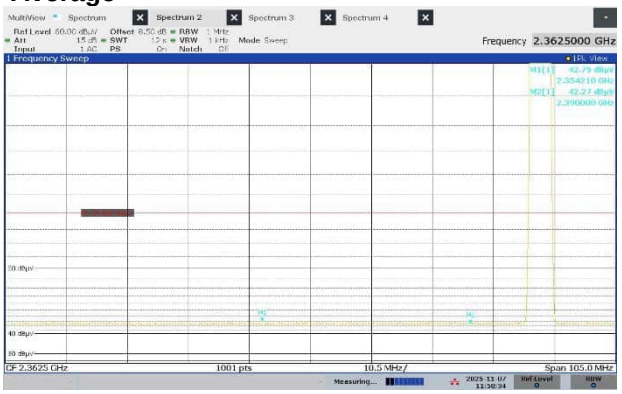
Average



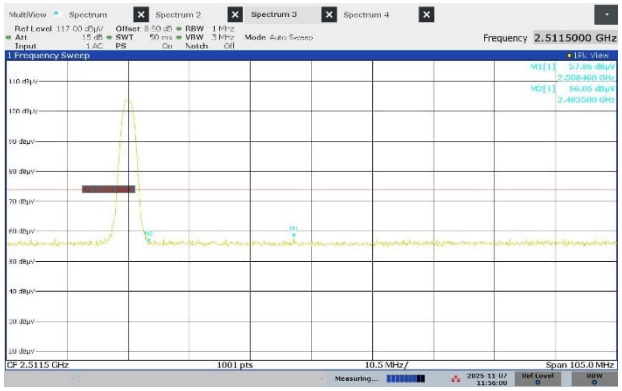
Vertical
Peak



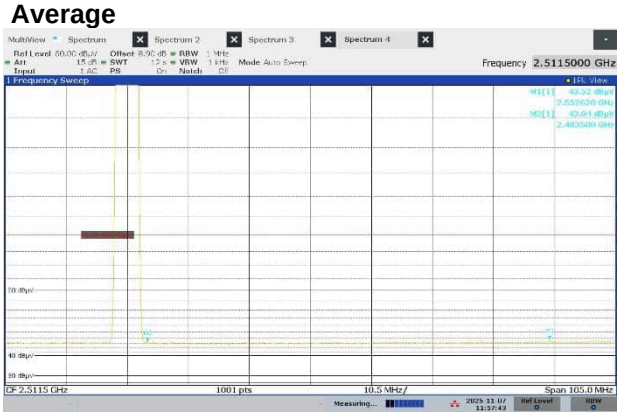
Average



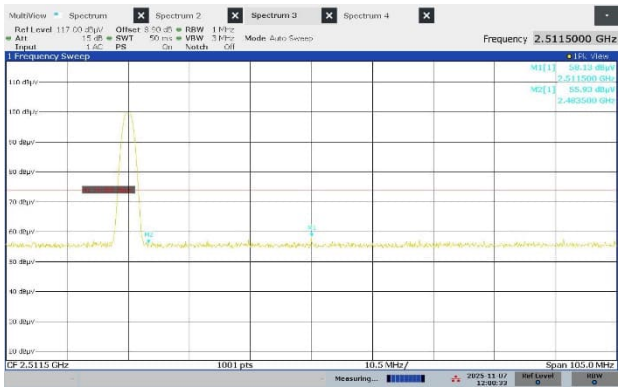
Channel: High
Horizontal
Peak



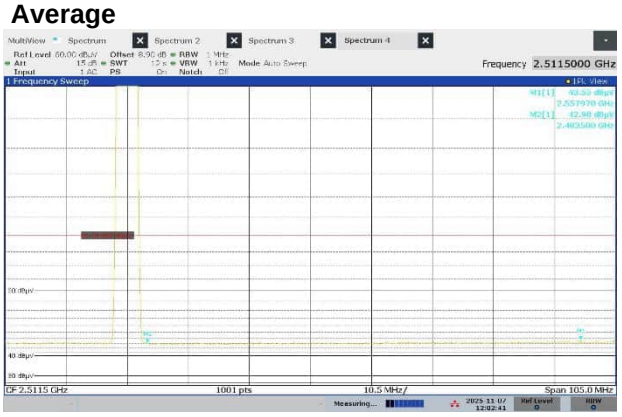
Average



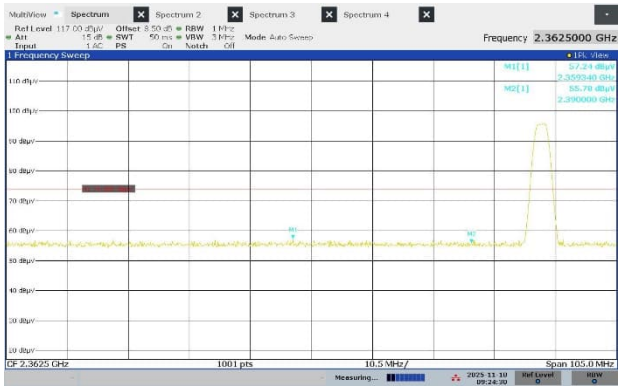
Vertical
Peak



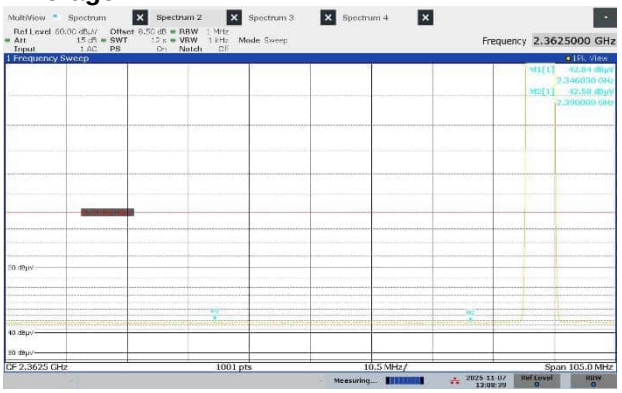
Average



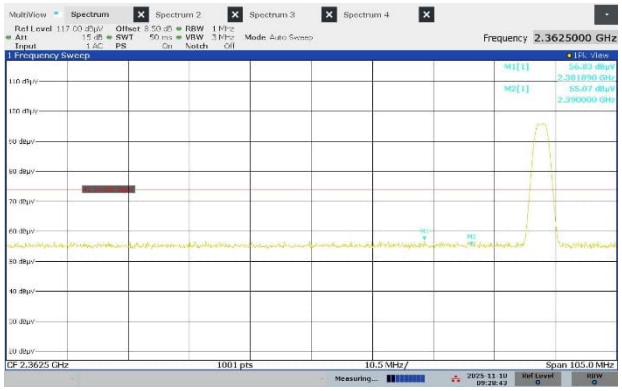
[BT_LE (2Mbps)]
Channel: Low
Horizontal
Peak



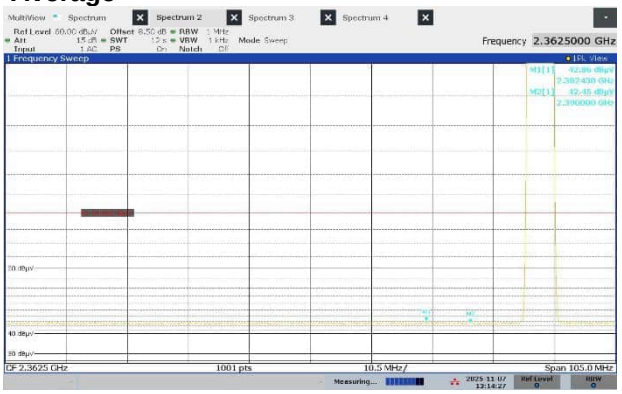
Average



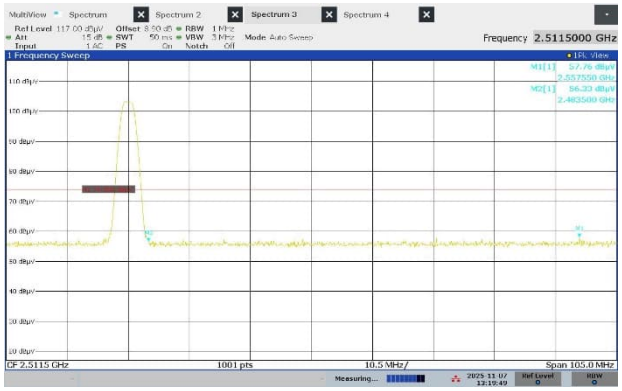
Vertical
Peak



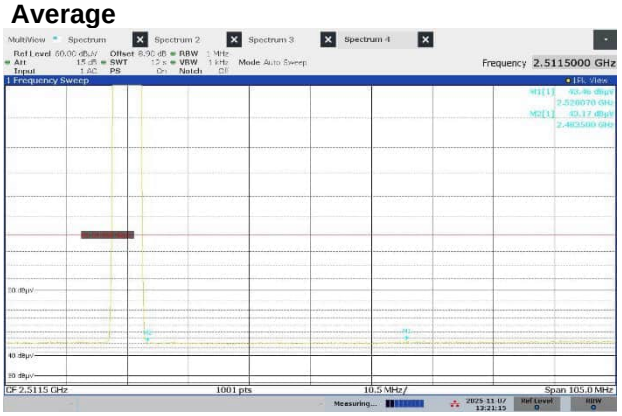
Average



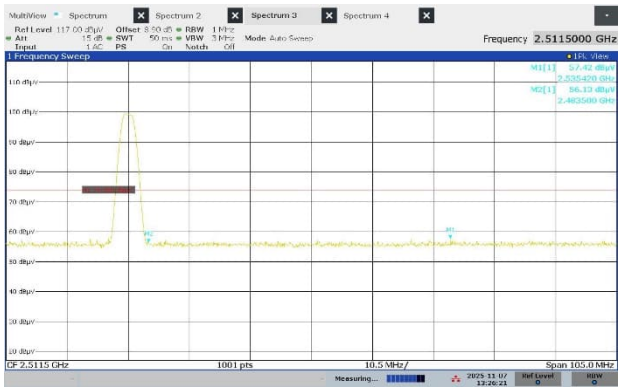
Channel: High
Horizontal
Peak



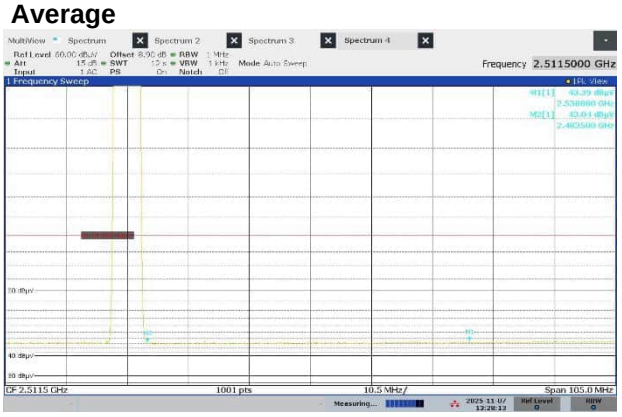
Average



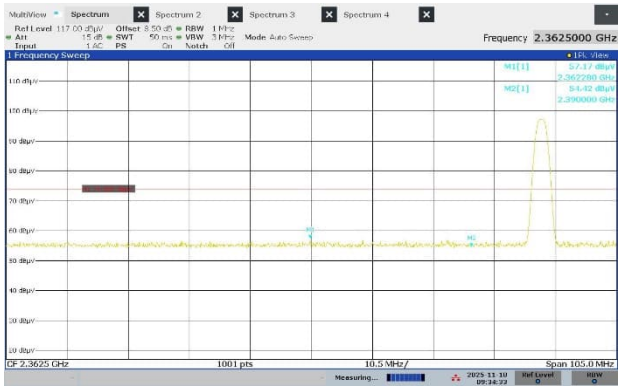
Vertical
Peak



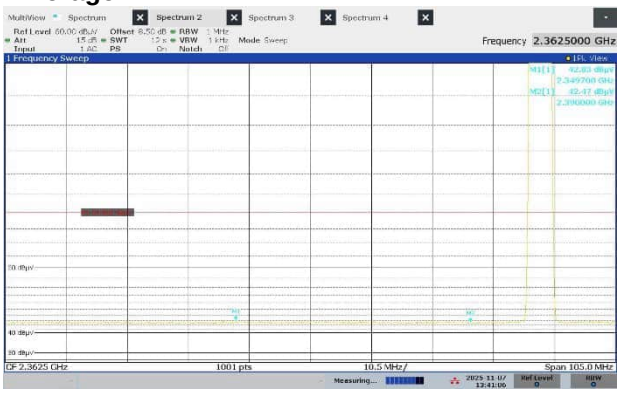
Average



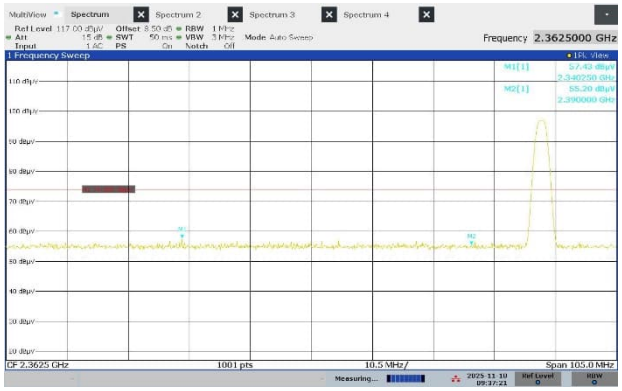
[BT_LE (LongRange S2)]
Channel: Low
Horizontal
Peak



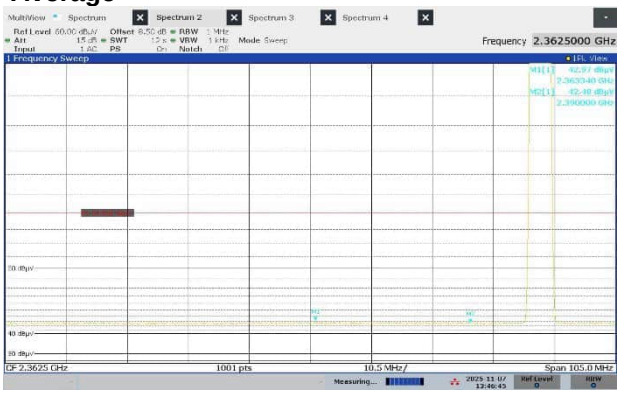
Average



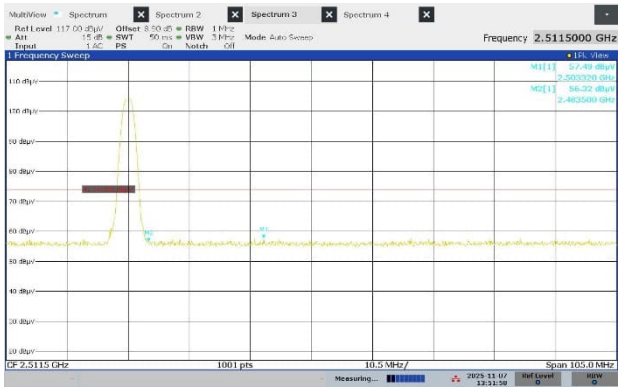
Vertical
Peak



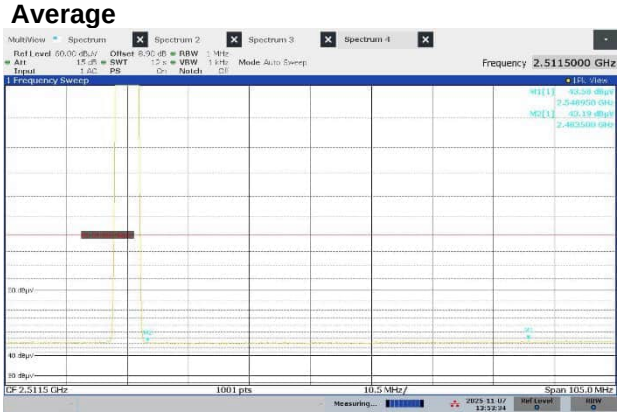
Average



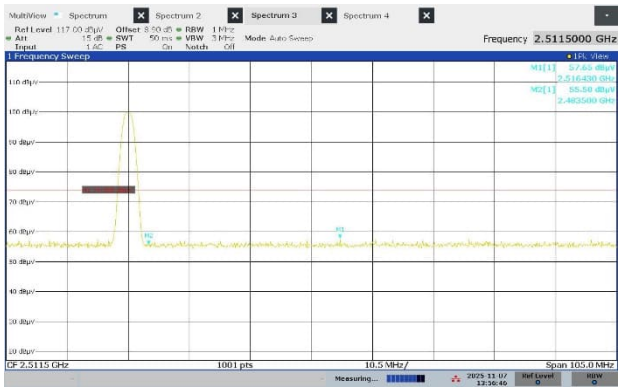
Channel: High
Horizontal
Peak



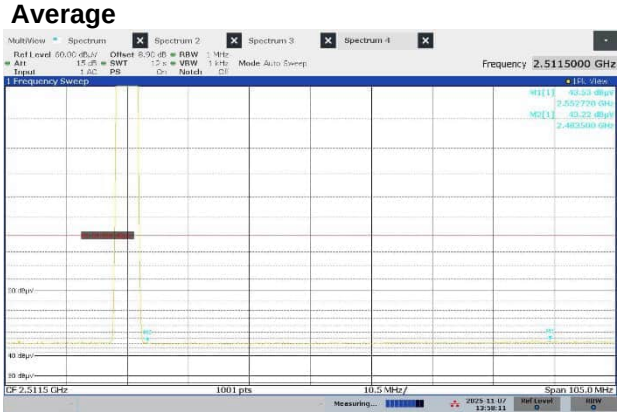
Average



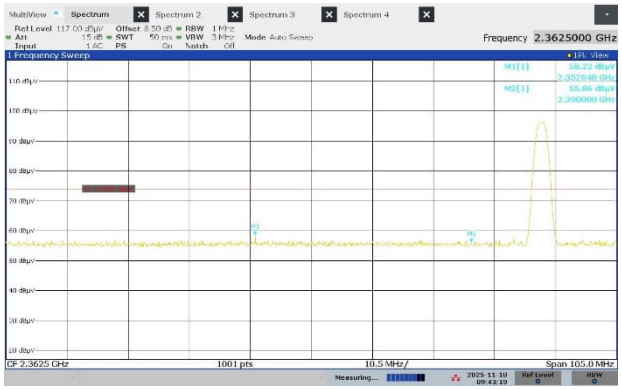
Vertical
Peak



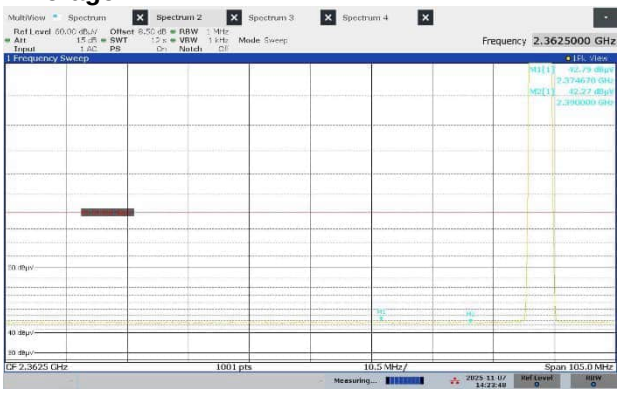
Average



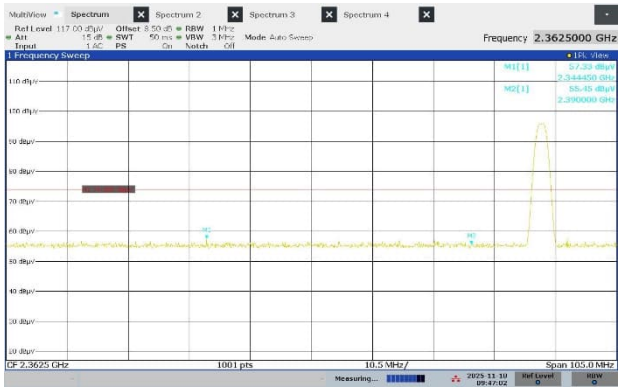
[BT_LE (LongRange S8)]
Channel: Low
Horizontal
Peak



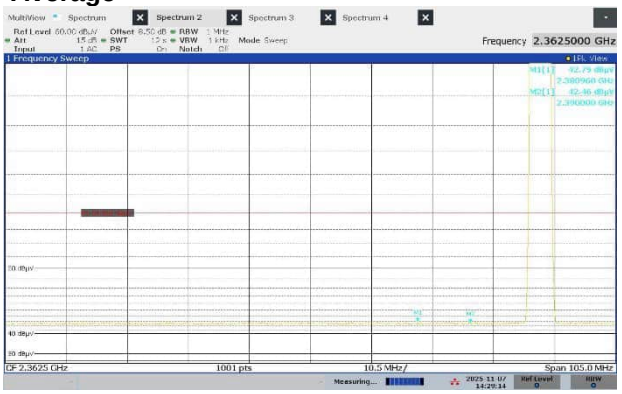
Average



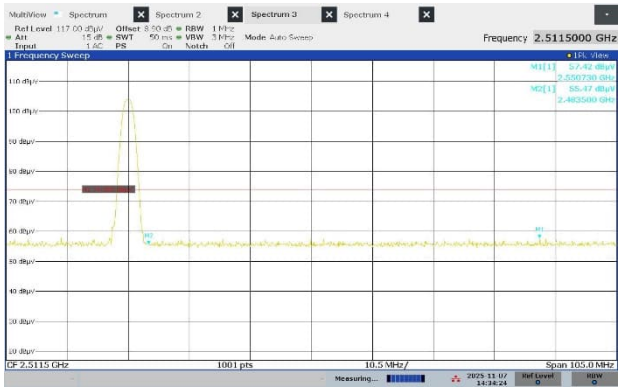
Vertical
Peak



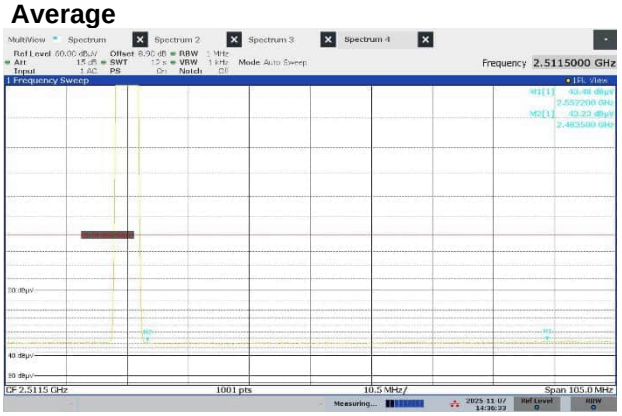
Average



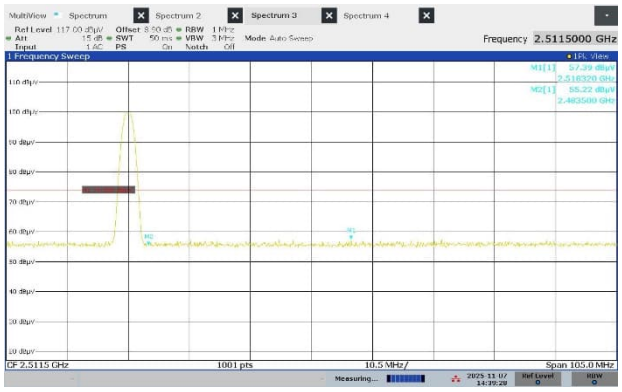
Channel: High
Horizontal
Peak



Average



Vertical
Peak



Average

4.7 Transmitter Power Spectral Density

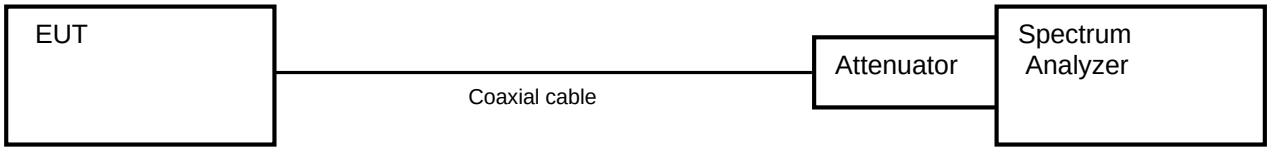
4.7.1 Measurement procedure

[FCC 15.247(e), KDB558074 D01 v05r02]

The peak power is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;
a) Span = 1.5 times the 6 dB bandwidth.
b) RBW = 3kHz - 100kHz.
c) VBW ≥ 3 x RBW.
d) Sweep time = auto-couple.
e) Detector = peak.
f) Trace mode = max hold.

- Test configuration



4.7.2 Limit

The peak power spectral density shall not be greater than 8dBm in any 3kHz band.

4.7.3 Measurement result

Date	:	1-December-2025			
Temperature	:	20.7 [˚C]			
Humidity	:	58.1 [%]	Test engineer	:	
Test place	:	Shielded room No.4			Kazunori Saito

Date	:	3-December-2025			
Temperature	:	20.8 [˚C]			
Humidity	:	60.7 [%]	Test engineer	:	
Test place	:	Shielded room No.4			Kazunori Saito

[Chain 0]
[BT_LE (1Mbps)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-19.72	10.52	-9.20	8.00	17.20	PASS
Middle	2440	-19.89	10.52	-9.37	8.00	17.37	PASS
High	2480	-18.54	10.52	-8.02	8.00	16.02	PASS

[BT_LE (2Mbps)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-22.48	10.52	-11.96	8.00	19.96	PASS
Middle	2440	-22.69	10.52	-12.17	8.00	20.17	PASS
High	2480	-21.33	10.52	-10.81	8.00	18.81	PASS

[BT_LE (LongRange S2)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-11.25	10.52	-0.73	8.00	8.73	PASS
Middle	2440	-11.48	10.52	-0.96	8.00	8.96	PASS
High	2480	-10.08	10.52	0.44	8.00	7.56	PASS

[BT_LE (LongRange S8)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-11.06	10.52	-0.54	8.00	8.54	PASS
Middle	2440	-11.30	10.52	-0.78	8.00	8.78	PASS
High	2480	-9.93	10.52	0.59	8.00	7.41	PASS

Calculation;
Transmitter Power Spectral Density Level (Margin) = Limit – (Reading + Factor)

[Chain 1]
[BT_LE (1Mbps)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-19.38	10.52	-8.86	8.00	16.86	PASS
Middle	2440	-18.76	10.52	-8.24	8.00	16.24	PASS
High	2480	-18.98	10.52	-8.46	8.00	16.46	PASS

[BT_LE (2Mbps)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-22.33	10.52	-11.81	8.00	19.81	PASS
Middle	2440	-21.70	10.52	-11.18	8.00	19.18	PASS
High	2480	-21.90	10.52	-11.38	8.00	19.38	PASS

[BT_LE (LongRange S2)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-11.11	10.52	-0.59	8.00	8.59	PASS
Middle	2440	-10.42	10.52	0.10	8.00	7.90	PASS
High	2480	-10.64	10.52	-0.12	8.00	8.12	PASS

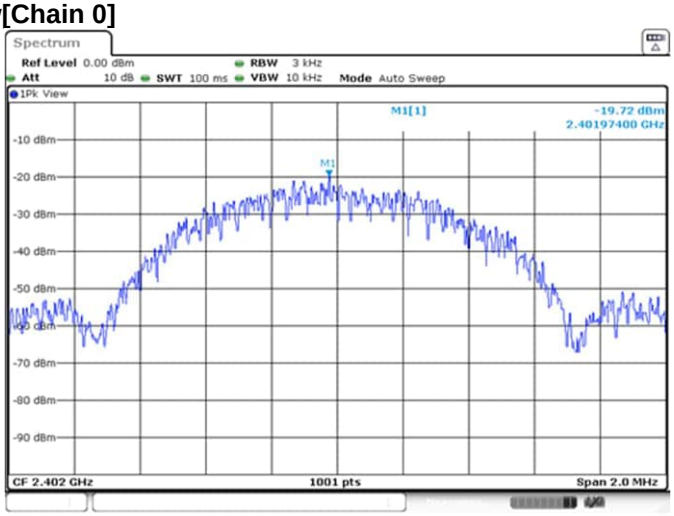
[BT_LE (LongRange S8)]

Channel	Center Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dBm)	Result
Low	2402	-10.91	10.52	-0.39	8.00	8.39	PASS
Middle	2440	-10.23	10.52	0.29	8.00	7.71	PASS
High	2480	-10.63	10.52	-0.11	8.00	8.11	PASS

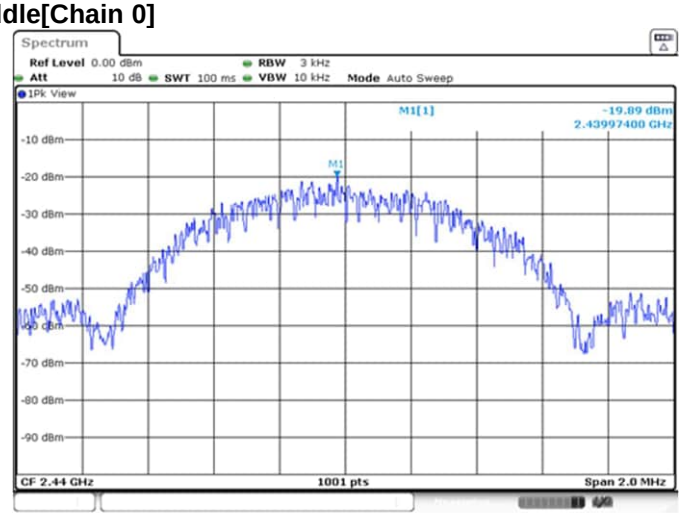
4.7.4 Trace data

[BT_LE (1Mbps)]

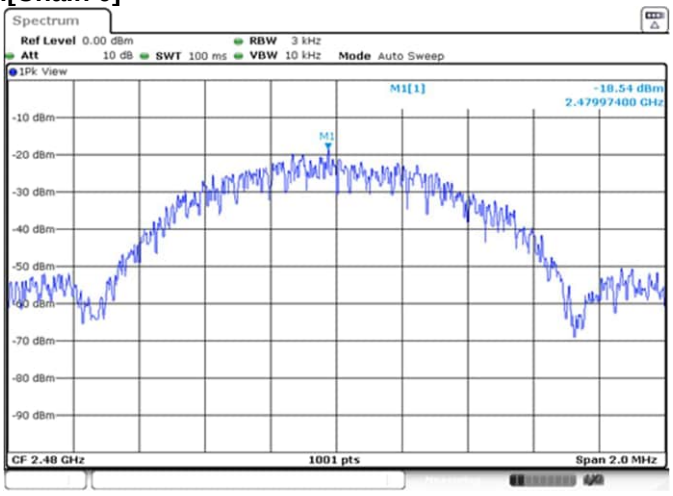
Channel Low[Chain 0]



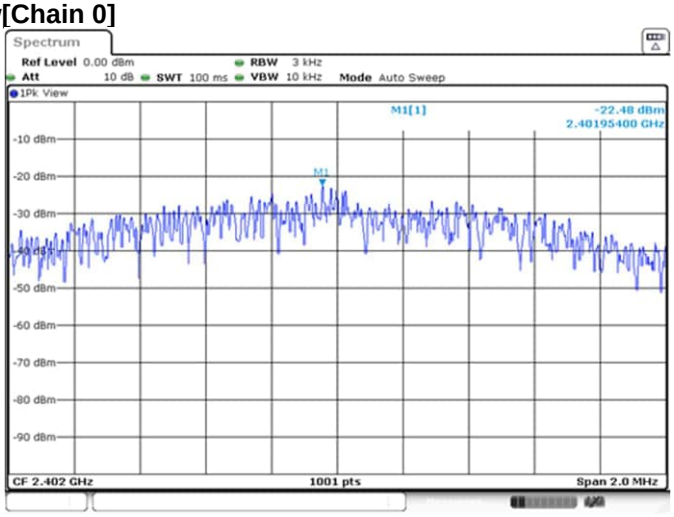
Channel Middle[Chain 0]



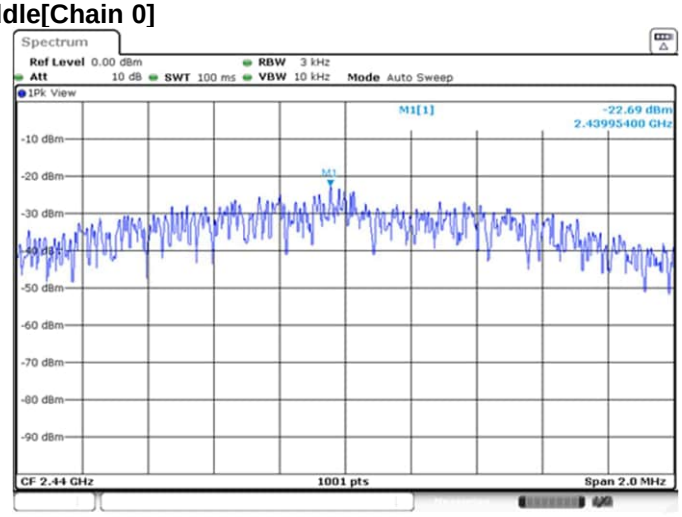
Channel High[Chain 0]



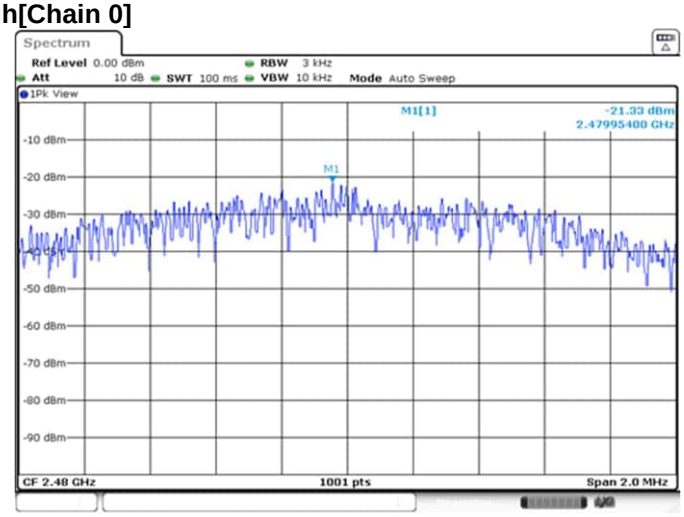
[BT_LE (2Mbps)]
Channel Low[Chain 0]



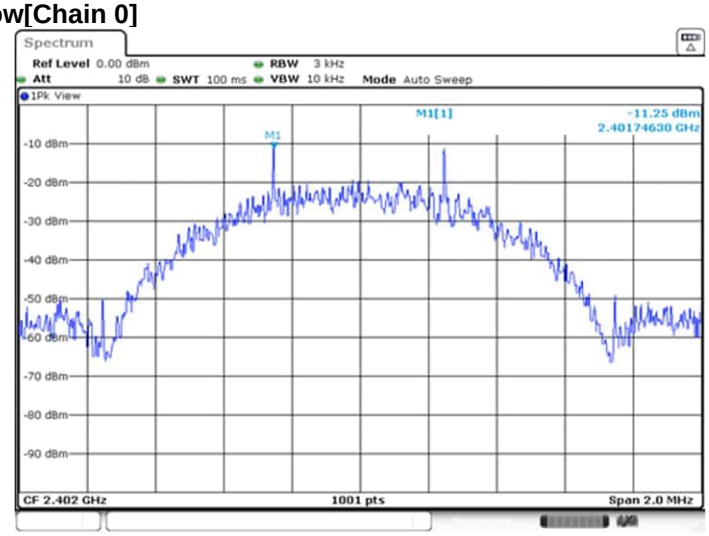
Channel Middle[Chain 0]



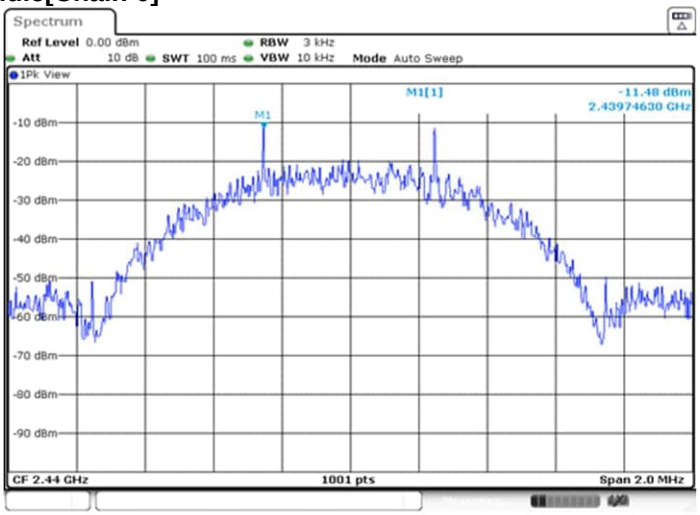
Channel High[Chain 0]



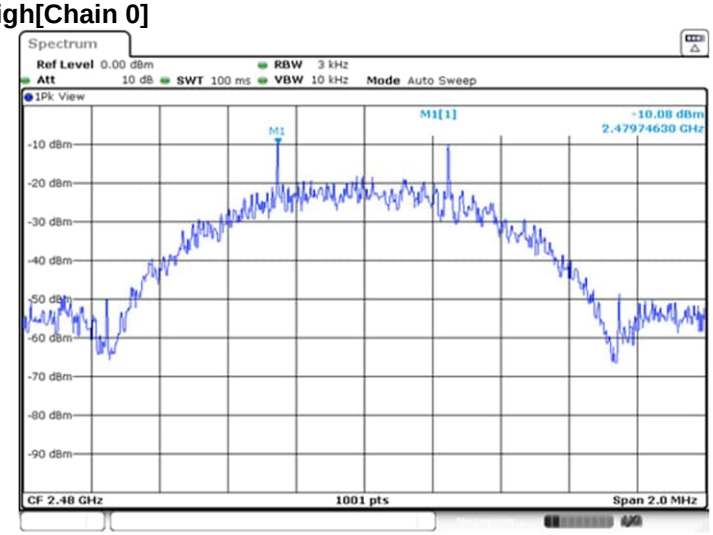
[BT_LE (LongRange S2)]
Channel Low[Chain 0]



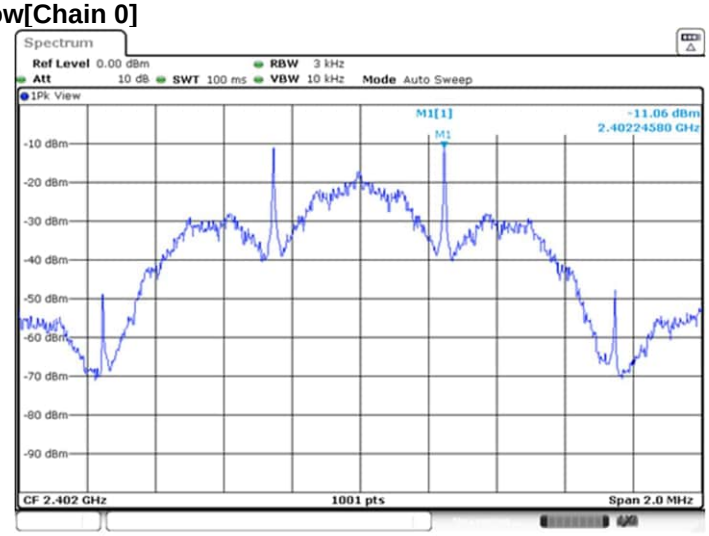
Channel Middle[Chain 0]



Channel High[Chain 0]

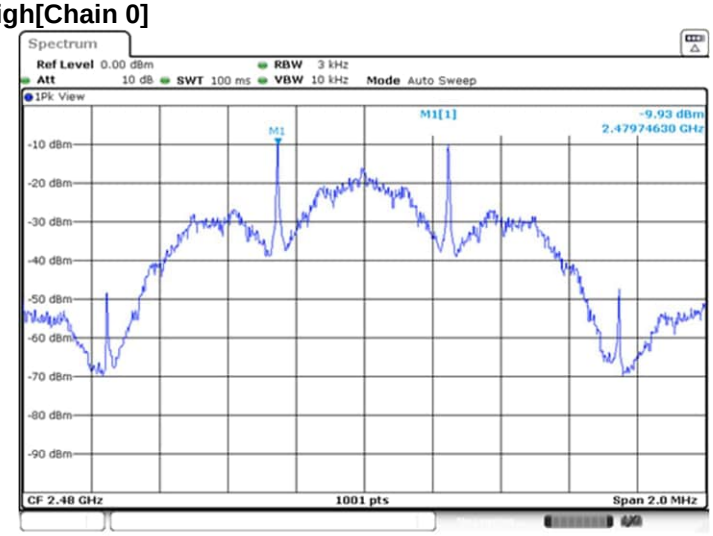


[BT_LE (LongRange S8)]
Channel Low[Chain 0]

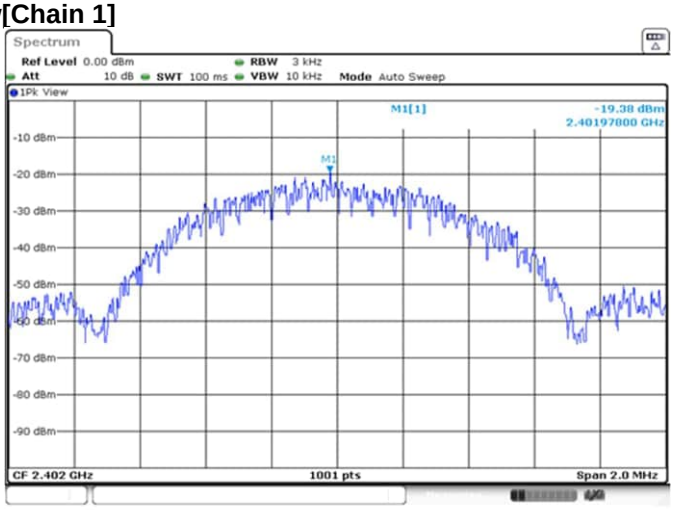


Channel Middle[Chain 0]

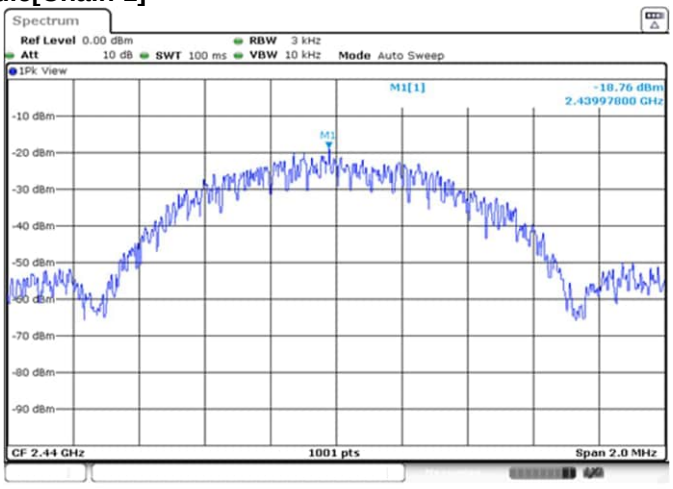
Channel High[Chain 0]



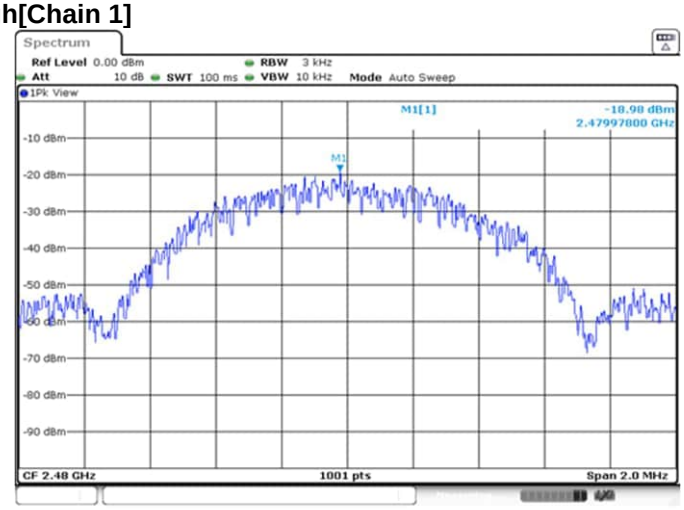
[BT_LE (1Mbps)]
Channel Low[Chain 1]



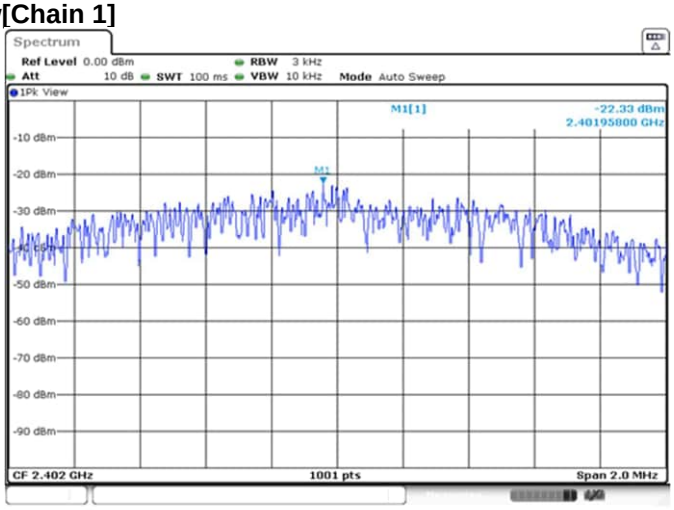
Channel Middle[Chain 1]



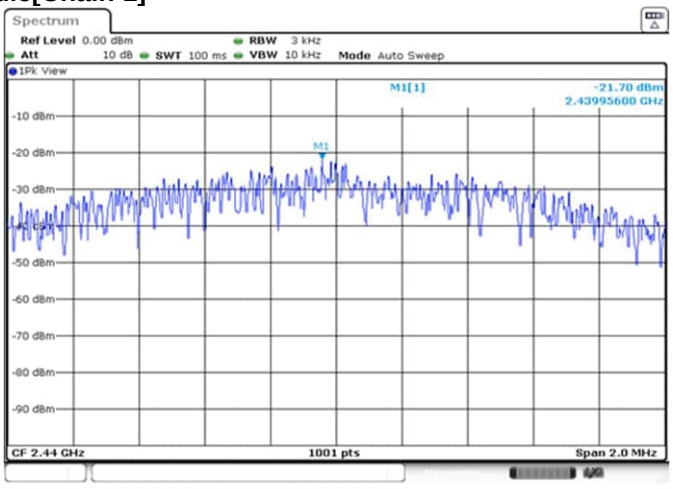
Channel High[Chain 1]



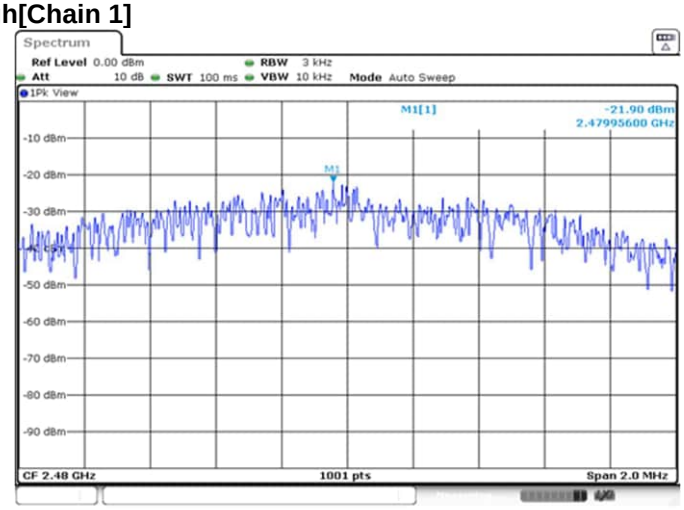
[BT_LE (2Mbps)]
Channel Low[Chain 1]



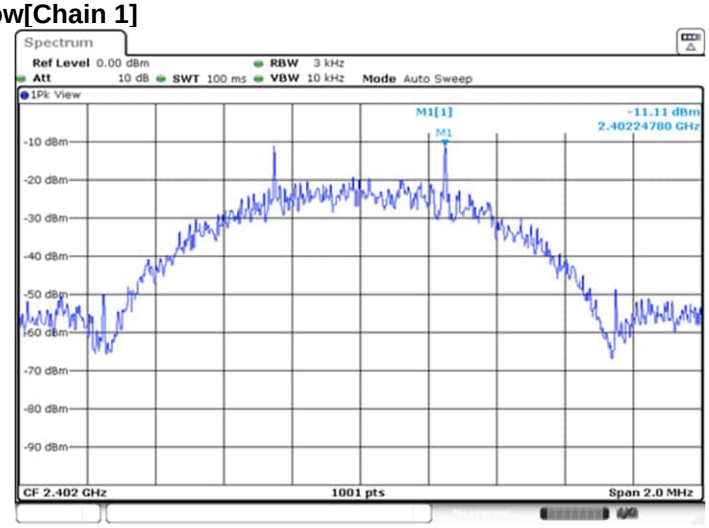
Channel Middle[Chain 1]



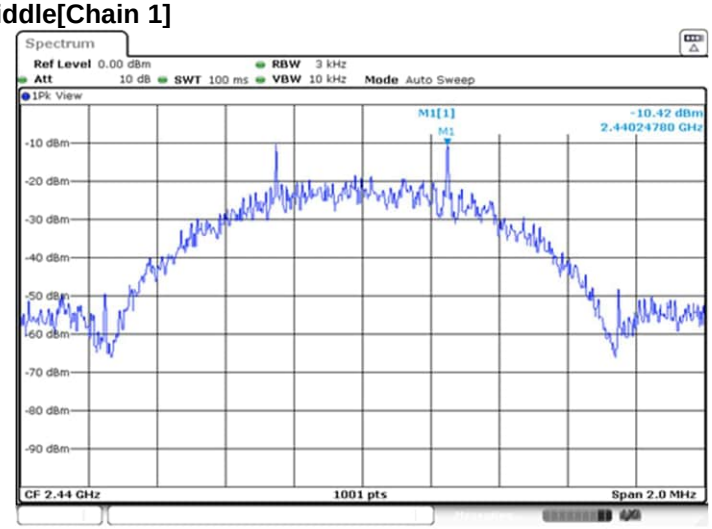
Channel High[Chain 1]



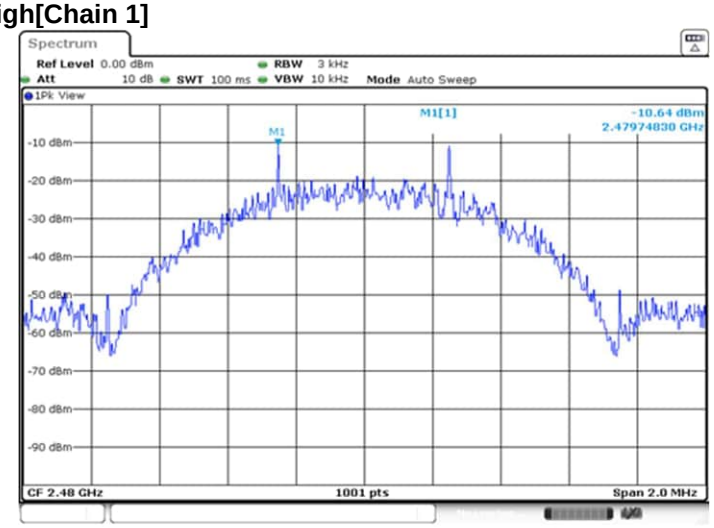
[BT_LE (LongRange S2)]
Channel Low[Chain 1]



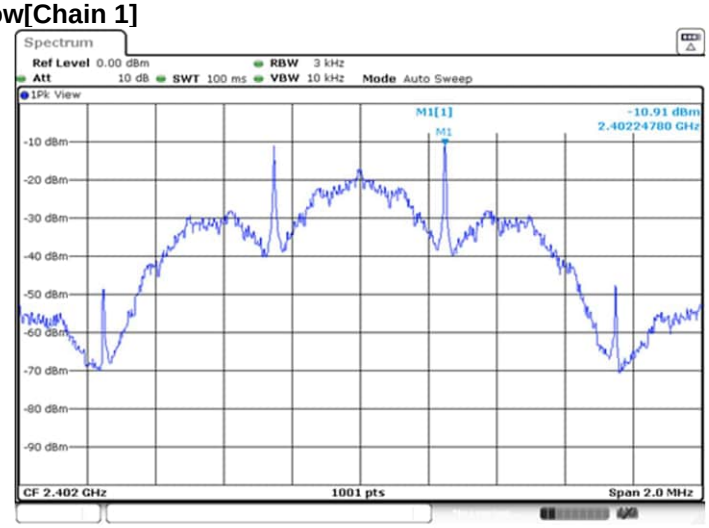
Channel Middle[Chain 1]



Channel High[Chain 1]

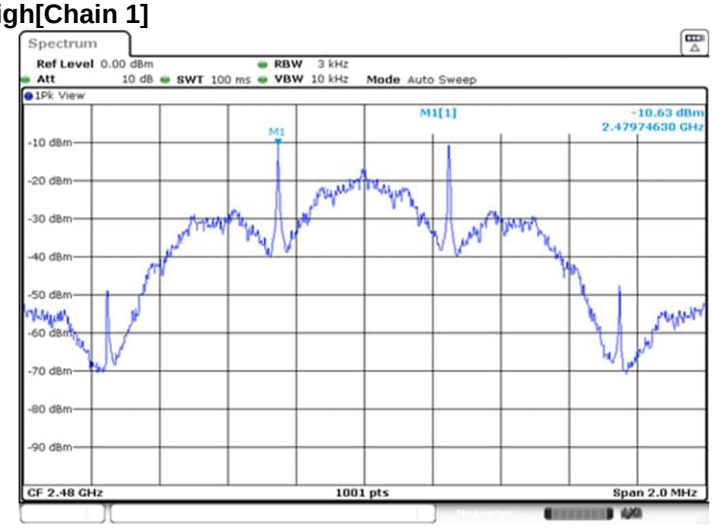


[BT_LE (LongRange S8)]
Channel Low[Chain 1]



Channel Middle[Chain 1]

Channel High[Chain 1]



4.8 AC Power Line Conducted Emissions

4.8.1 Measurement procedure

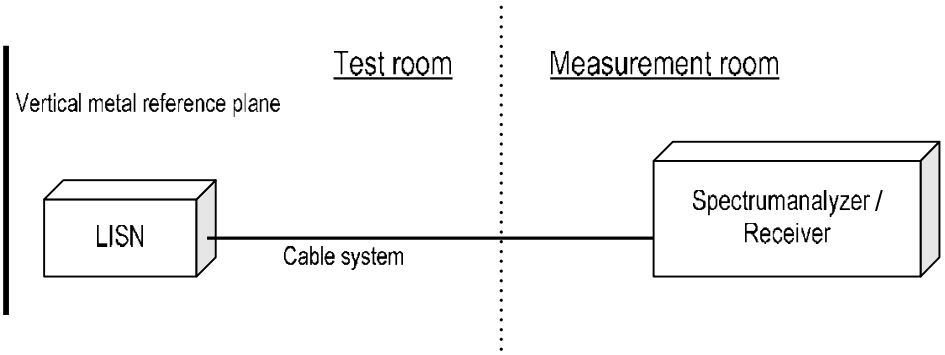
[FCC 15.207]

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



4.8.2 Calculation method

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

Example:
Limit @ 6.770 MHz: 60.0 dBµV(Quasi-peak)
: 50.0 dBµV(Average)
(Quasi peak) Reading = 41.2 dBµV c.f = 10.3 dB
Emission level = 41.2 + 10.3 = 51.5 dBµV
Margin = 60.0 – 51.5 = 8.5 dB
(Average) Reading = 35.0 dBµV c.f = 10.3 dB
Emission level = 35.0 + 10.3 = 45.3 dBµV
Margin = 50.0 – 45.3 = 4.7 dB

4.8.3 Limit

Frequency [MHz]	Limit	
	QP [dBuV]	AV [dBuV]
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.

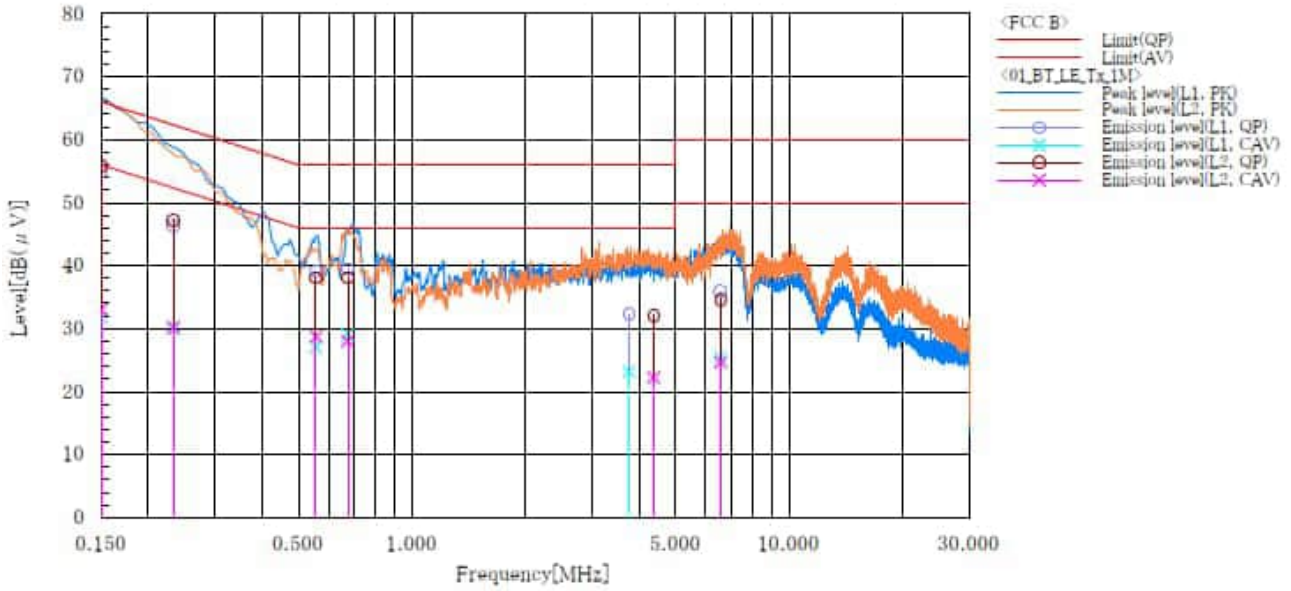
4.8.4 Test data

Date : 19-November-2025
Temperature : 18.7 [˚C]
Humidity : 28.2 [%] Test engineer :
Test place : 3m Semi-anechoic chamber Tadahiro Seino

[BT_LE]

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : E81220
Serial No. : 353379980000799
Test mode : BT_LE_Tx_1M

Sheet No. : 01
Standard : FCC Part 15 Subpart C
Operator : T.Seino
Temp.Hum.Atm : 18.7 [° C] 28.2 [%]
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	44.6	21.2	10.5	55.1	31.7	66.0	56.0	10.9	24.3
2	0.233	35.9	19.6	10.4	46.3	30.0	62.3	52.3	16.0	22.3
3	0.556	28.9	16.8	10.3	39.2	27.1	56.0	46.0	16.8	18.9
4	0.676	29.2	18.8	10.3	39.5	29.1	56.0	46.0	16.5	16.9
5	3.757	21.7	12.6	10.6	32.3	23.2	56.0	46.0	23.7	22.8
6	6.554	25.1	14.7	10.8	35.9	25.5	60.0	50.0	24.1	24.5

--- 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	45.3	22.5	10.5	55.8	33.0	66.0	56.0	10.2	23.0
2	0.233	36.8	19.8	10.4	47.2	30.2	62.3	52.3	15.1	22.1
3	0.556	27.8	18.4	10.3	38.1	28.7	56.0	46.0	17.9	17.3
4	0.676	27.8	17.7	10.3	38.1	28.0	56.0	46.0	17.9	18.0
5	4.376	21.5	11.6	10.6	32.1	22.2	56.0	46.0	23.9	23.8
6	6.580	23.8	13.9	10.8	34.6	24.7	60.0	50.0	25.4	25.3

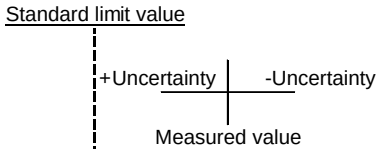
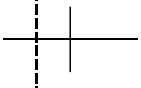
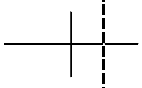
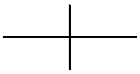
5 Antenna requirement

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	$\pm 0.9 * 10^{-7}$
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.

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
Power meter	ROHDE&SCHWARZ	NRP2	103269	31-Mar-2026	18-Mar-2025
Power sensor	ROHDE&SCHWARZ	NRP-Z81	102467	31-Mar-2026	18-Mar-2025
Attenuator	Weinschel	56-10	J4993	31-Dec-2025	16-Dec-2024

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
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	BRM50702	G433	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

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

Conducted emission at mains port

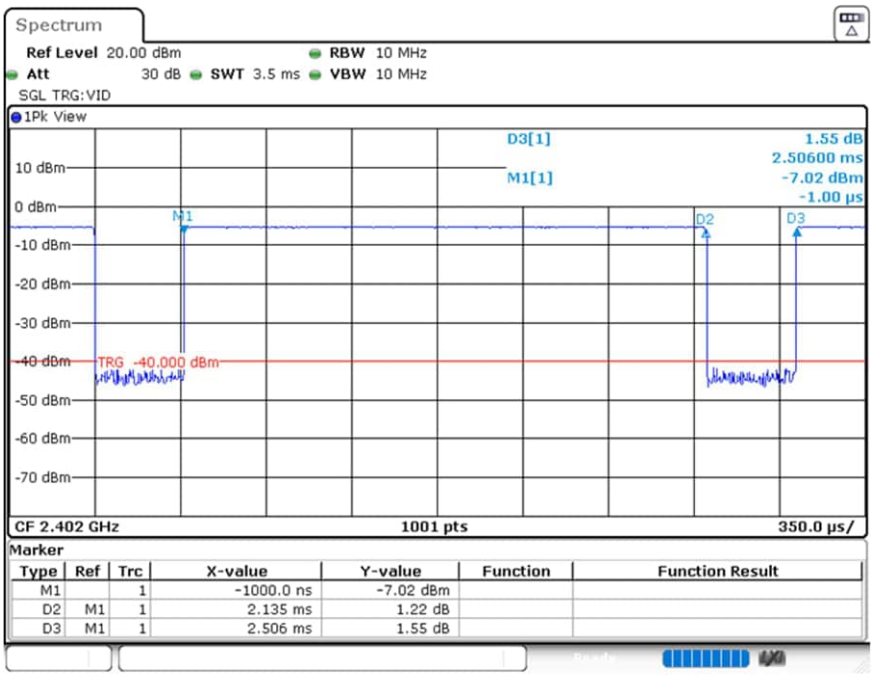
Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI receiver	ROHDE&SCHWARZ	ESW44	103171	31-Dec-2025	2-Dec-2024
LISN	Kyoritsu Technology Corporation	TNW-407F2	12-17-110-2	30-Jun-2026	18-Jun-2025
Attenuator	HUBER+SUHNER	6810.01.A	N/A(S411)	31-Dec-2025	17-Dec-2024
Microwave cable	HUBER+SUHNER	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.

Appendix B. Duty Cycle

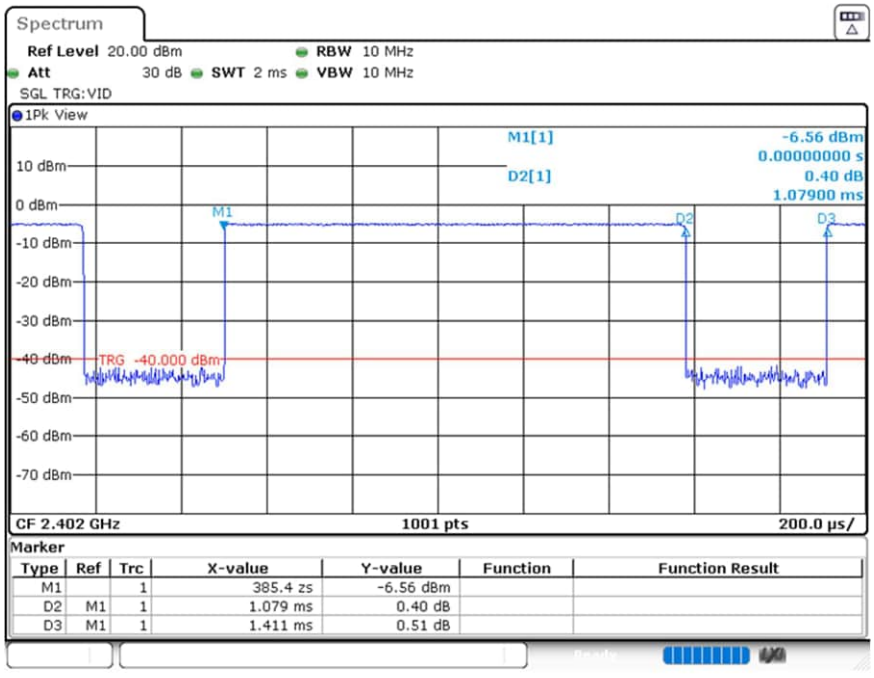
[Plot & Calculation]

BT_LE (1Mbps)



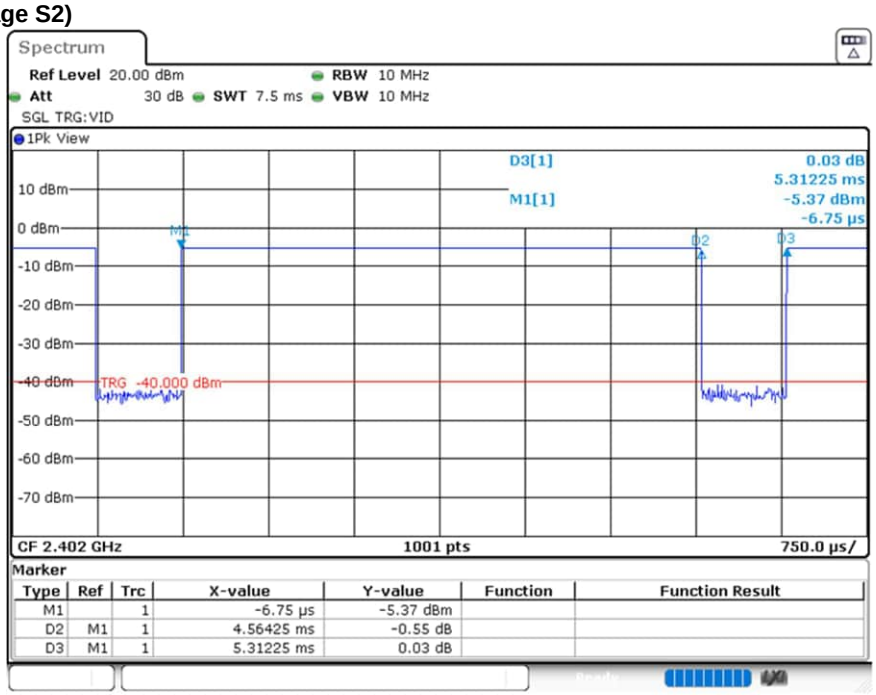
Duty Cycle = Ton / (Ton + Toff) = 2135[µs] / (2135[µs] + 371[µs]) = 85.2[%]

BT_LE (2Mbps)



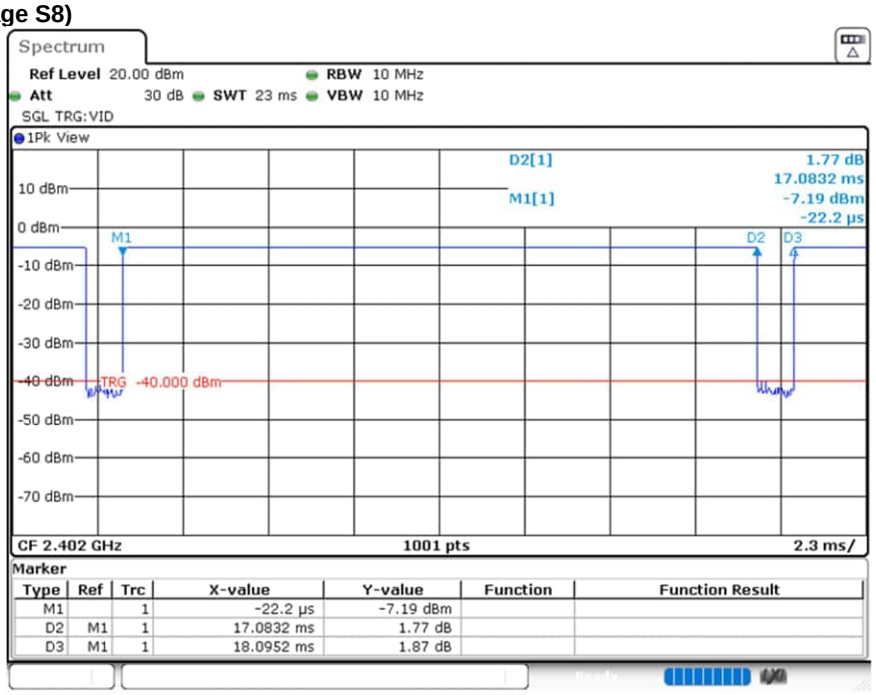
Duty Cycle = Ton / (Ton + Toff) = 1079[µs] / (1079[µs] + 332[µs]) = 76.47[%]

BT_LE (LongRage S2)



Duty Cycle = Ton / (Ton + Toff) = 4564.25[µs] / (4564.25[µs] + 748[µs]) = 85.92[%]

BT_LE (LongRage S8)



Duty Cycle = Ton / (Ton + Toff) = 17083.2[µs] / (17083.2[µs] + 1012[µs]) = 94.41[%]