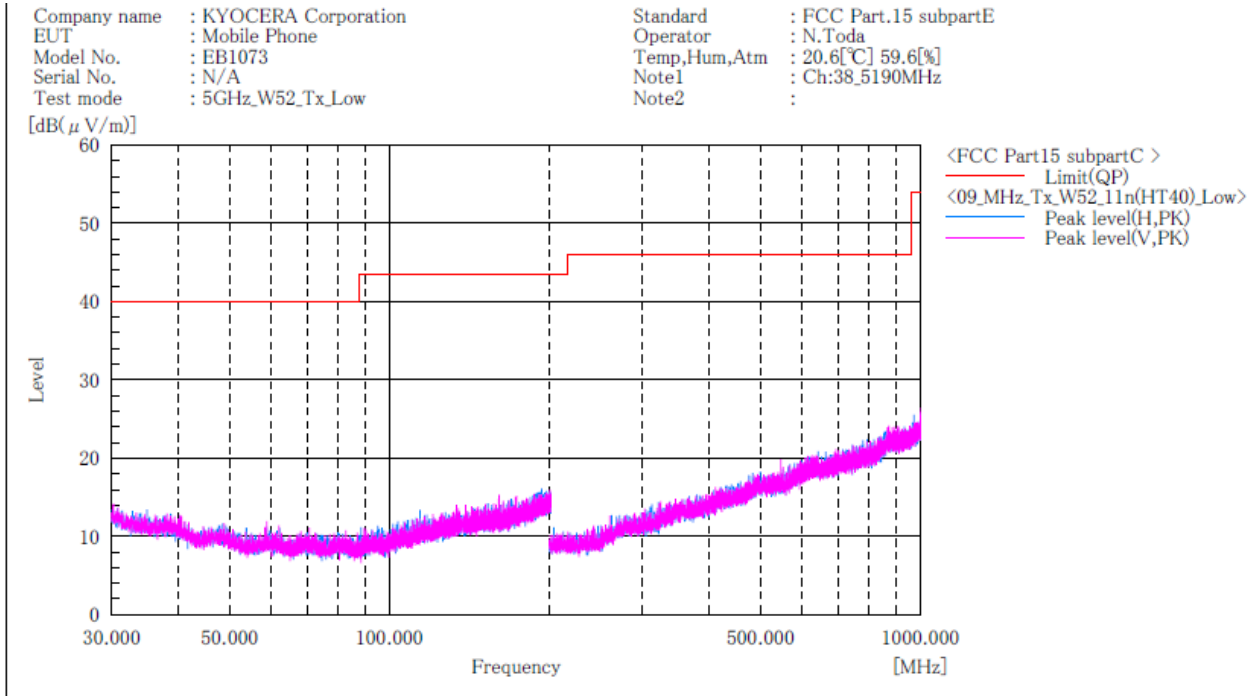




Japan

[11n(HT40)]
W52 / Channel Low
BELOW 1GHz

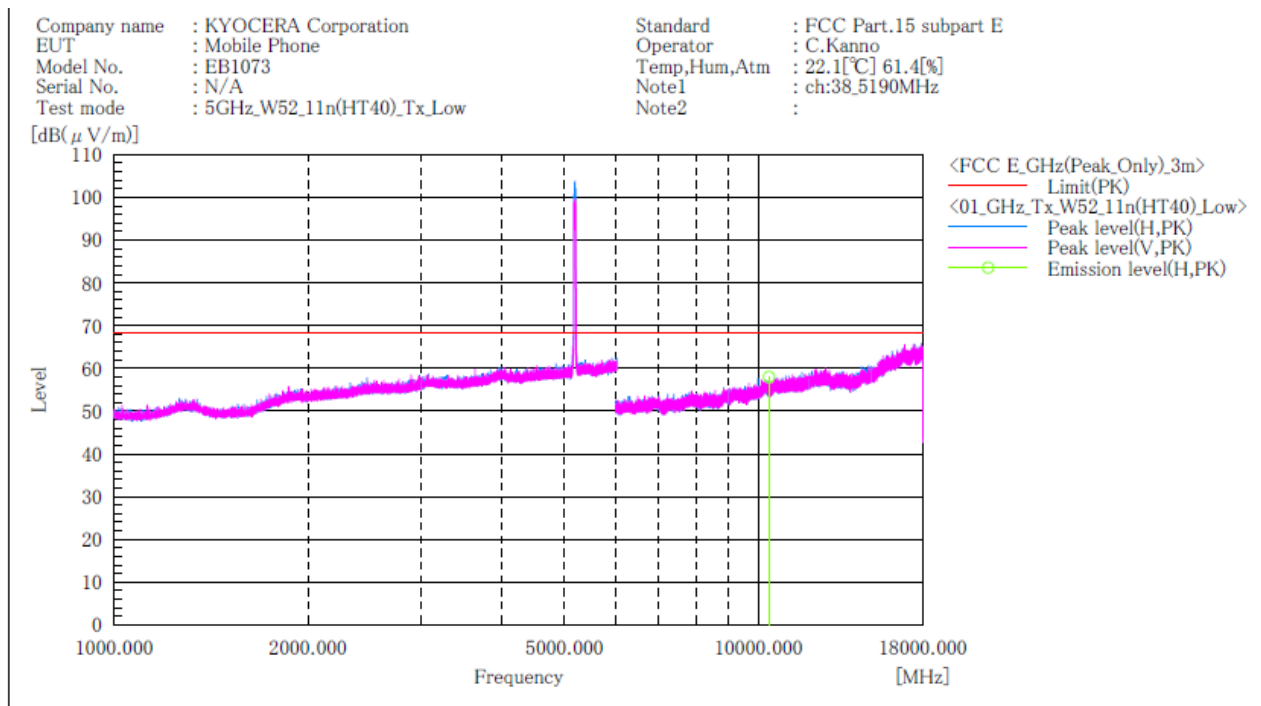


Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 - No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W52 / Channel Low
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10380.000	H	46.8	11.2	58.0	68.2	10.2	100.0	112.0	

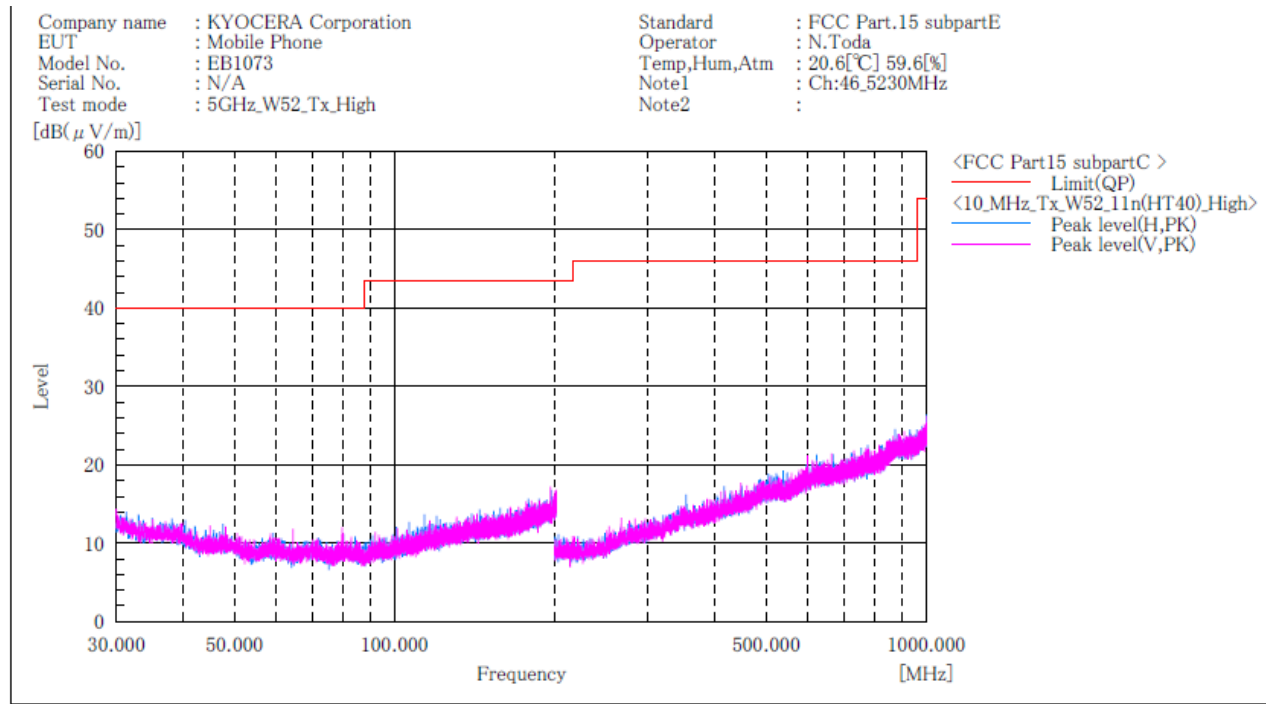
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11n(HT40)]
W52 / Channel High
BELOW 1GHz



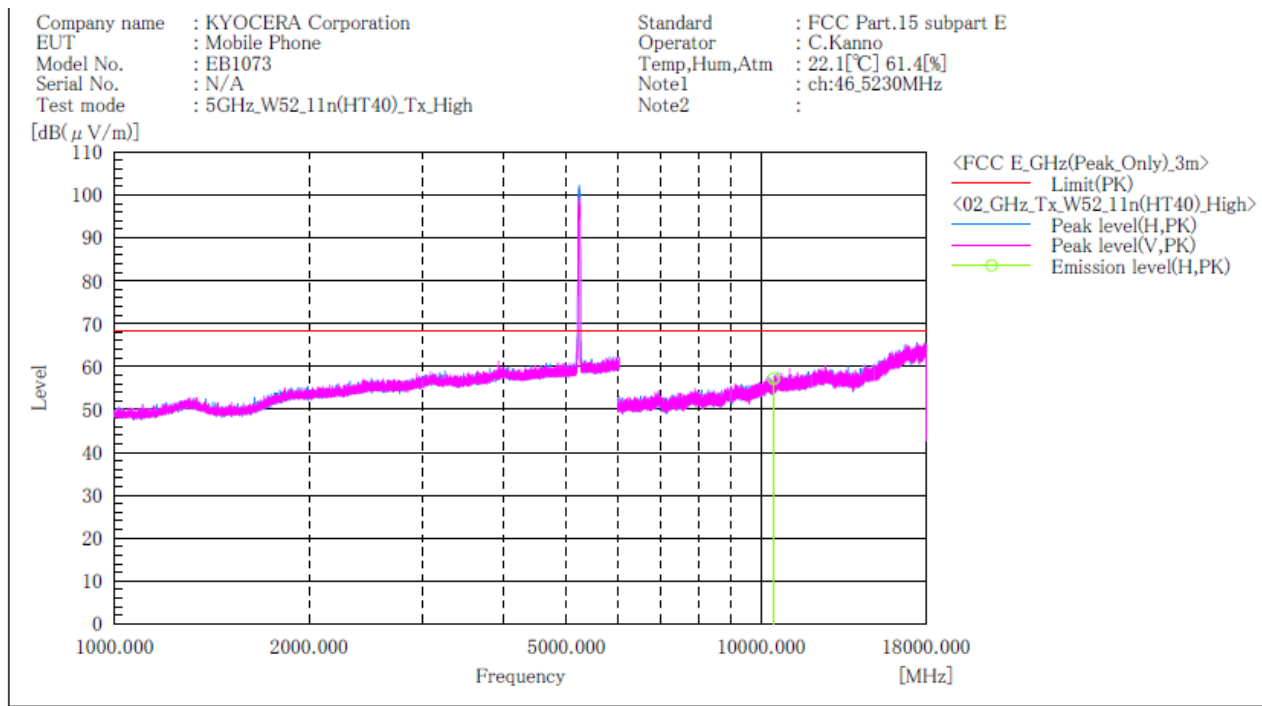
Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W52 / Channel High
ABOVE 1GHz



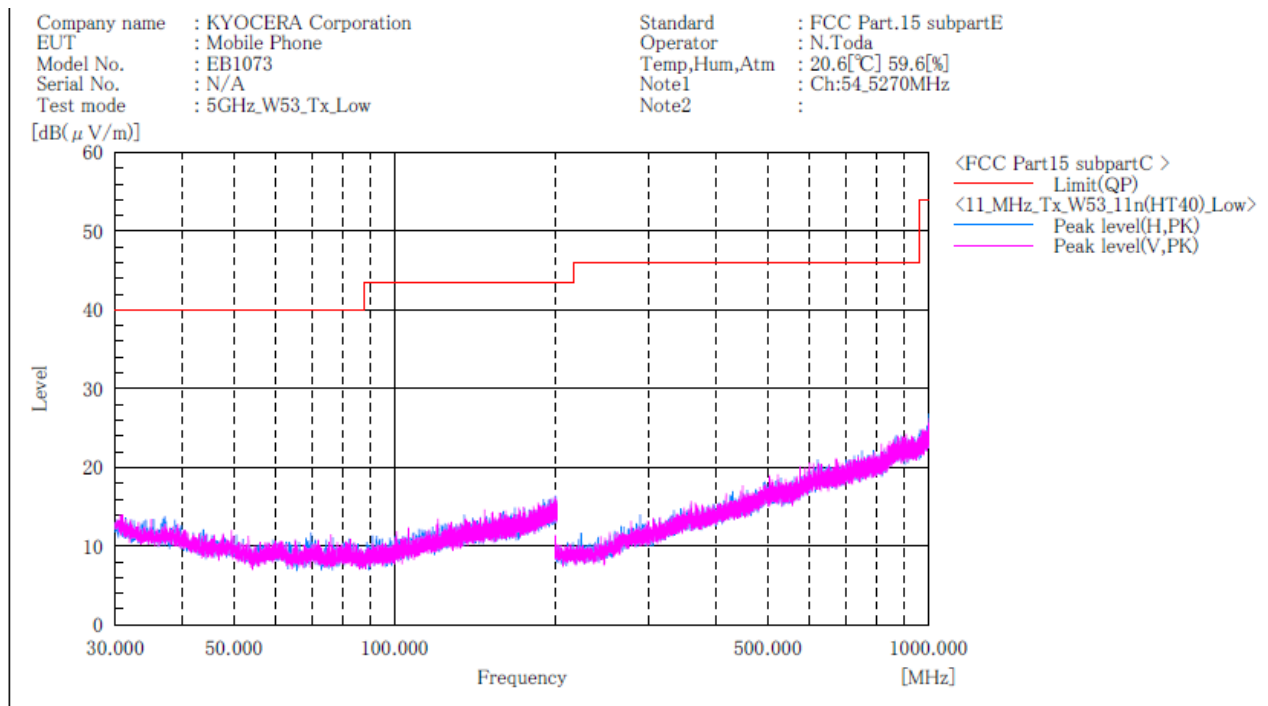
Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10460.000	H	45.8	11.4	57.2	68.2	11.0	100.0	122.0	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

[11n(HT40)]
W53 / Channel Low
BELOW 1GHz



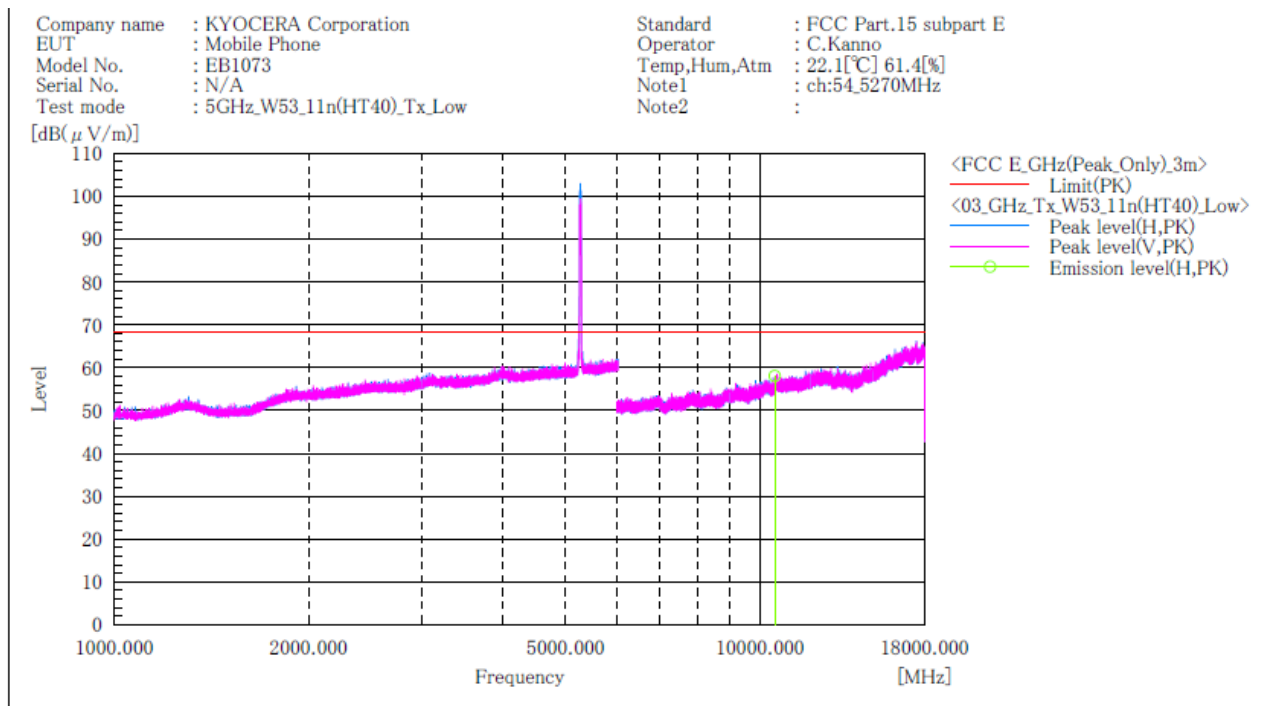
Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W53 / Channel Low
ABOVE 1GHz



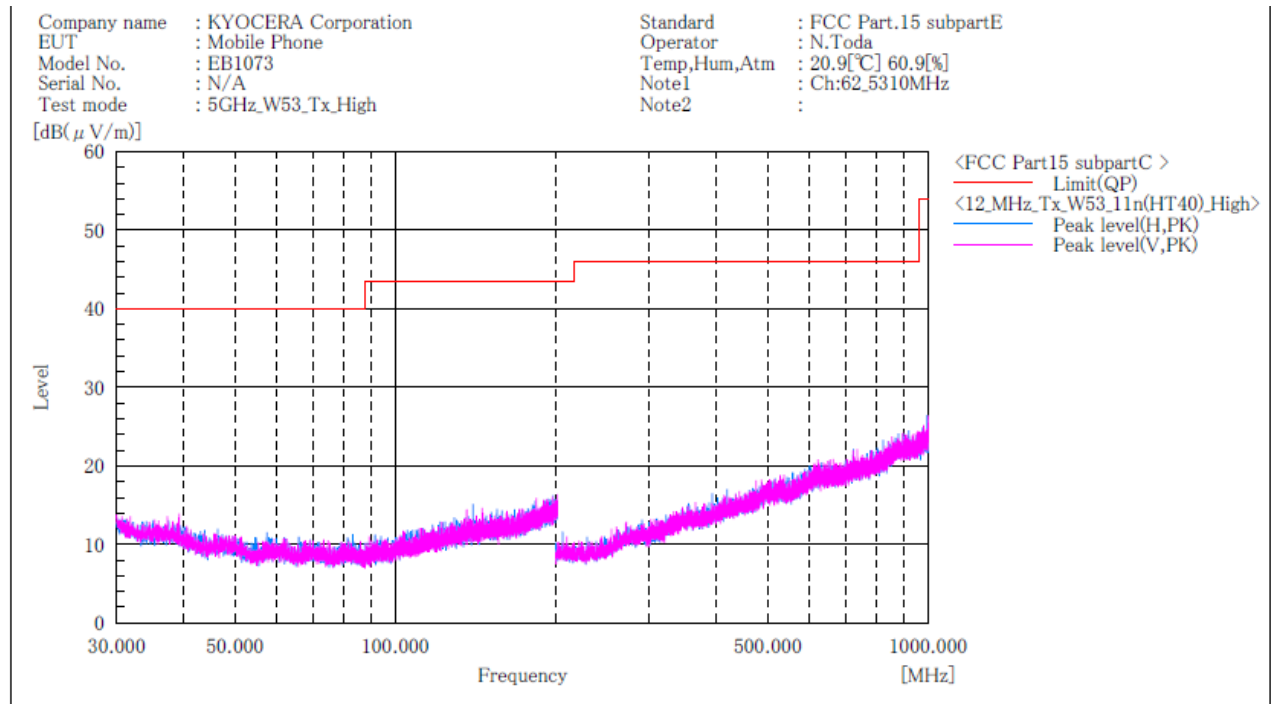
Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10540.000	H	46.6	11.5	58.1	68.2	10.1	100.0	119.0	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

[11n(HT40)]
W53 / Channel High
BELOW 1GHz



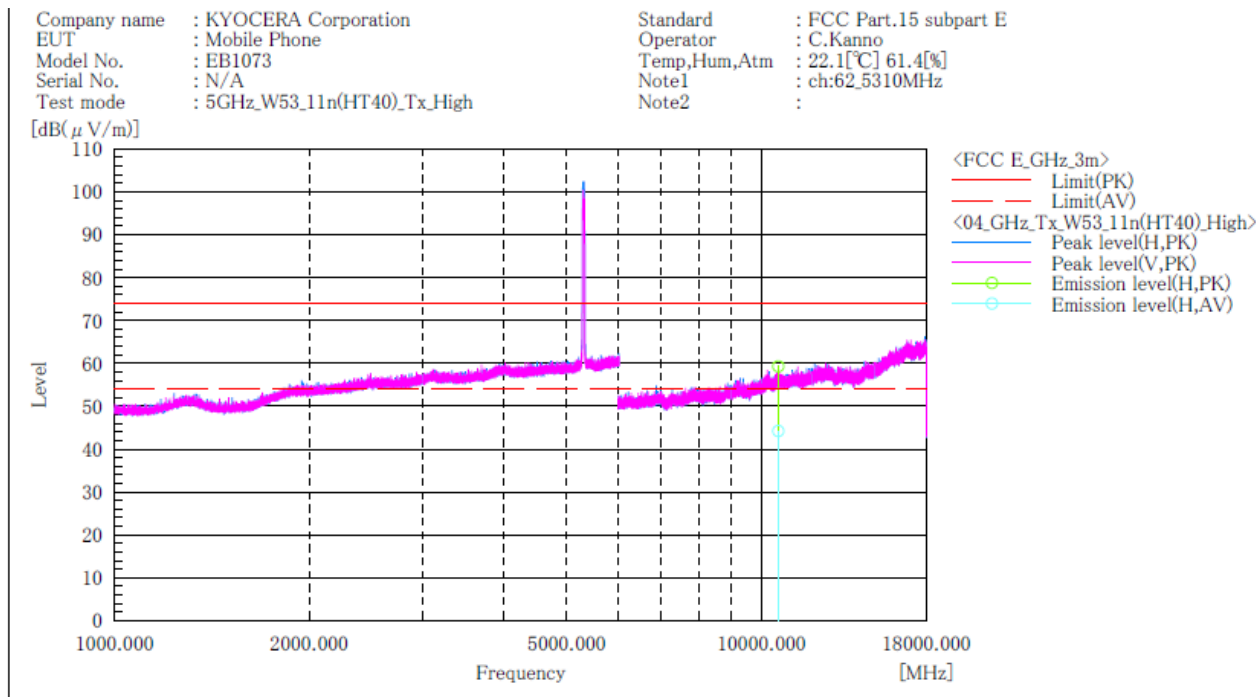
Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W53 / Channel High
ABOVE 1GHz



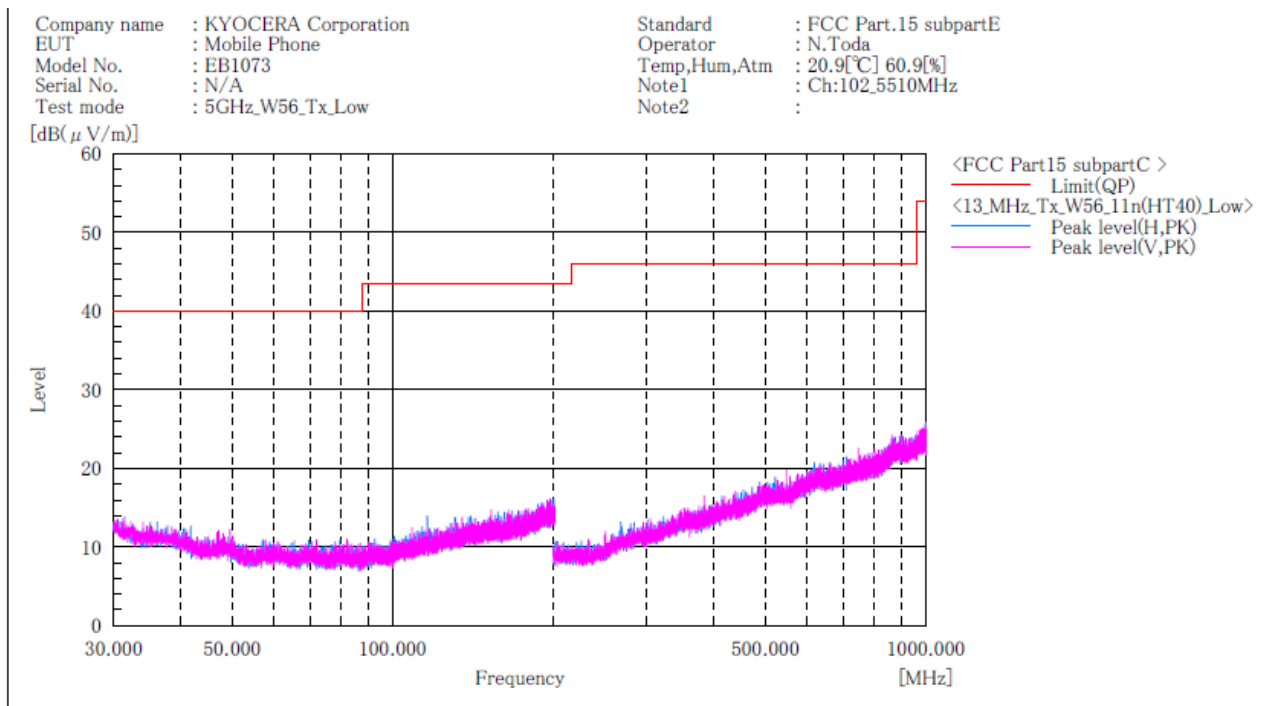
Final Result

No.	Frequency	(P)	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin	Height	Angle	Remark
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[°]	
1	10620.000	H	47.6	32.5	11.7	59.3	44.2	74.0	54.0	14.7	9.8	100.0	221.0	

Note:

- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
- No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

[11n(HT40)]
W56 / Channel Low
BELOW 1GHz



Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

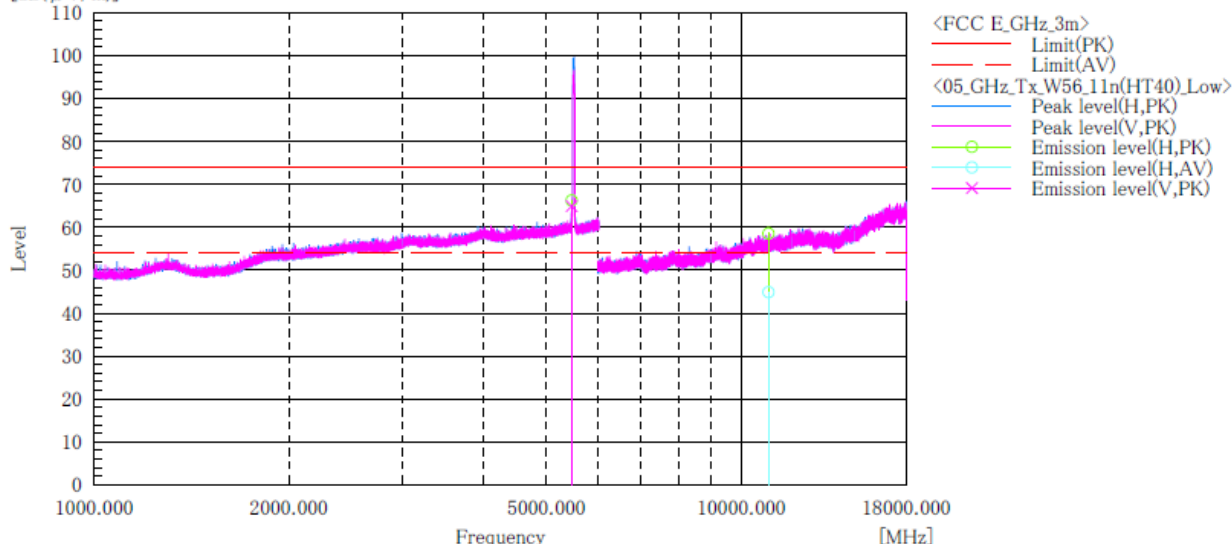
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W56 / Channel Low
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1073
 Serial No. : N/A
 Test mode : 5GHz_W56_11n(HT40)_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 22.1[°C] 61.4[%]
 Note1 : ch:102_5510MHz
 Note2 :

[dB(μV/m)]



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	5466.800	H	54.5		11.8	66.3		68.2	54.0	1.9		200.0	233.0	
2	5468.300	V	53.2		11.8	65.0		68.2	54.0	3.2		100.0	268.0	
3	11020.000	H	46.3	32.6	12.3	58.6	44.9	74.0	54.0	15.4	9.1	100.0	216.0	

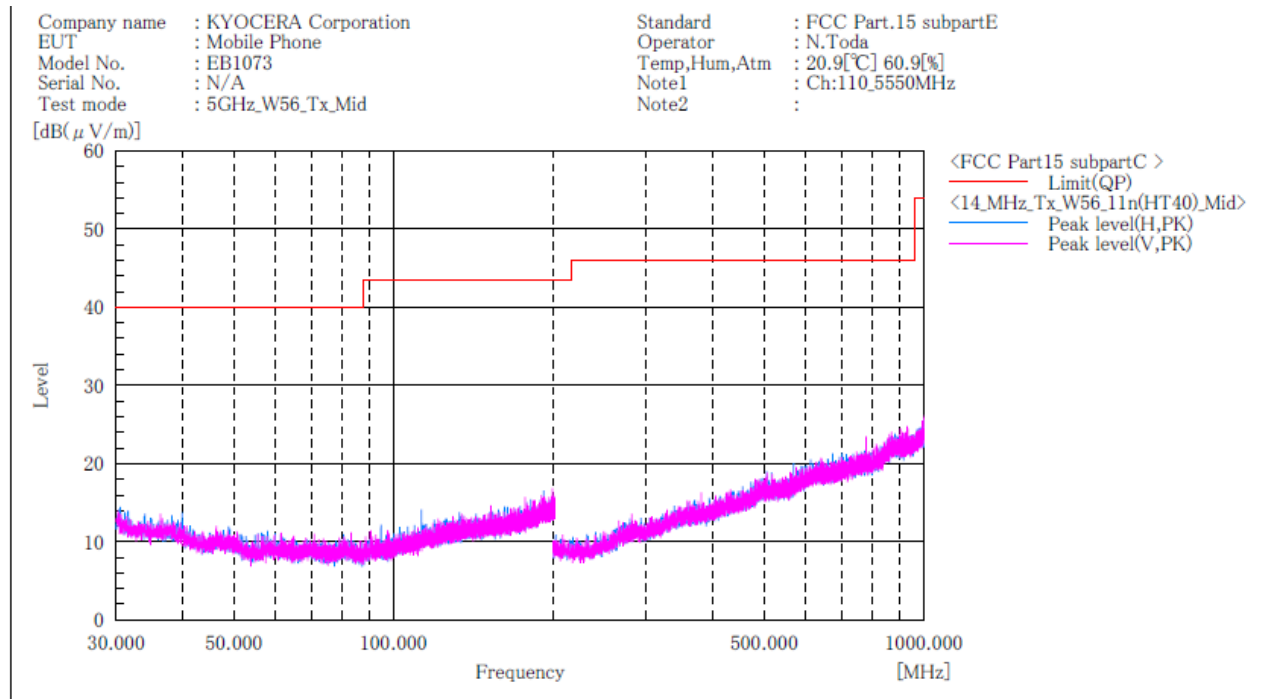
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11n(HT40)]
W56 / Channel Middle
BELOW 1GHz



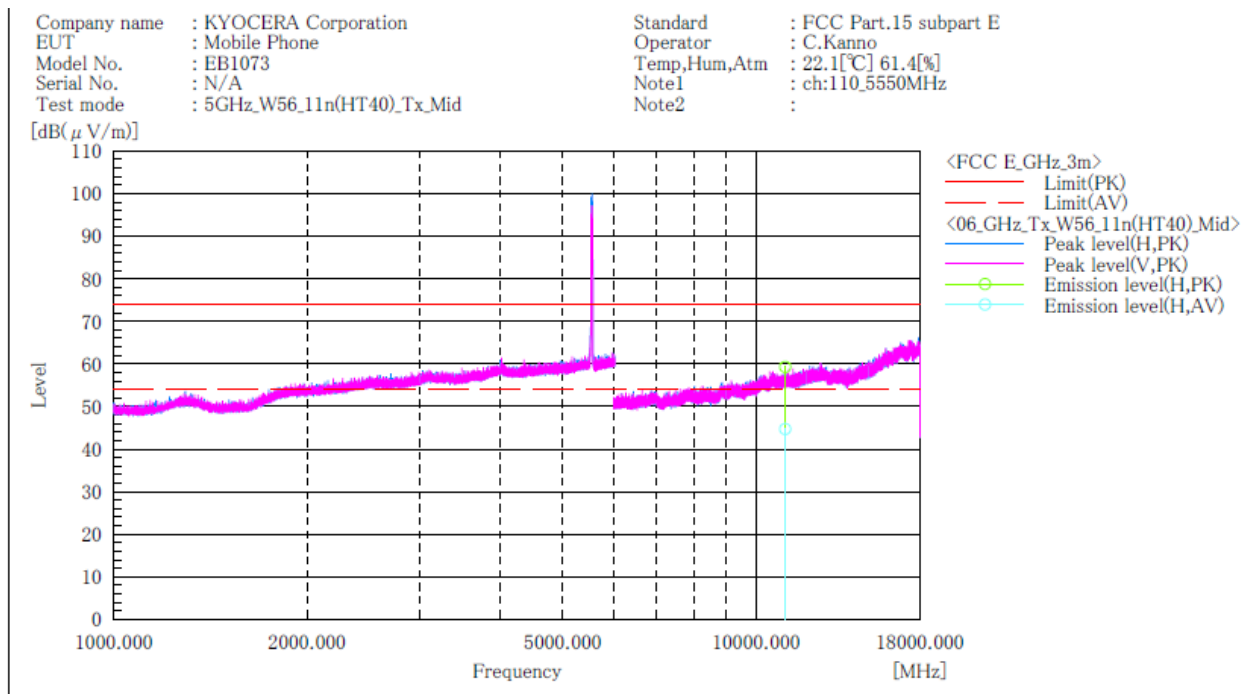
Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W56 / Channel Middle
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	11100.000	H	47.0	32.4	12.3	59.3	44.7	74.0	54.0	14.7	9.3	100.0	209.0	

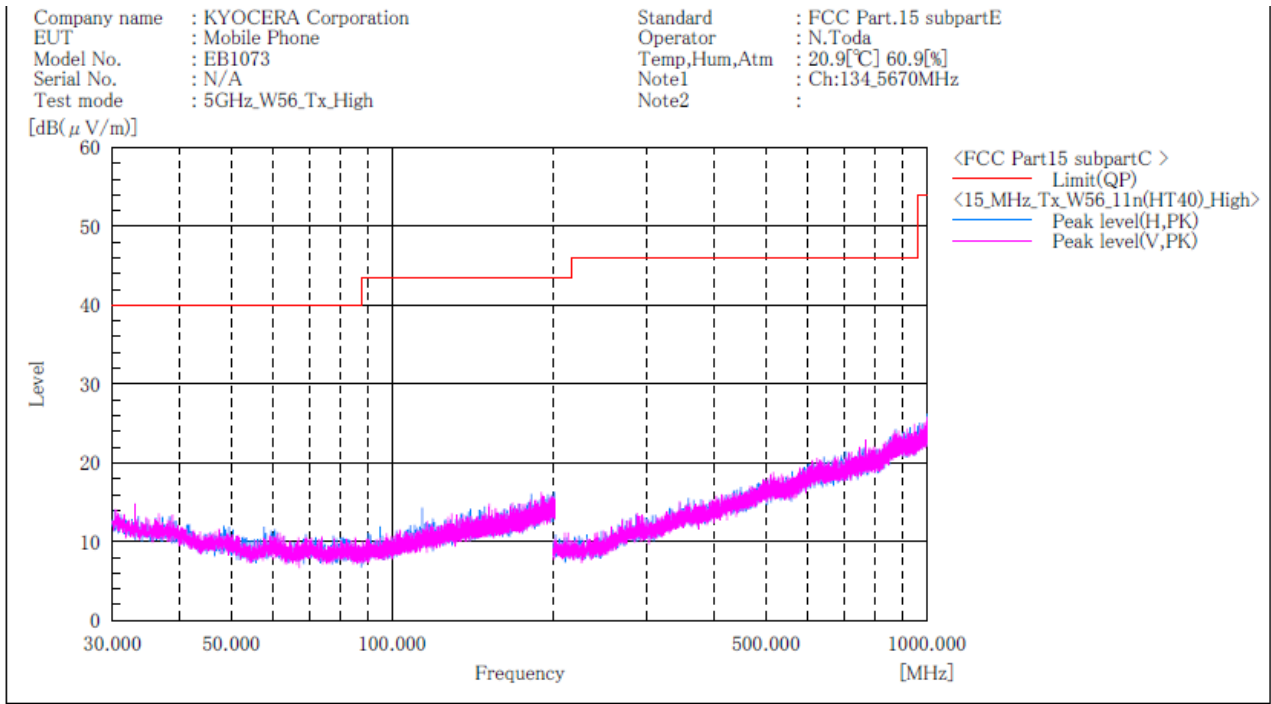
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11n(HT40)]
W56 / Channel High
BELOW 1GHz

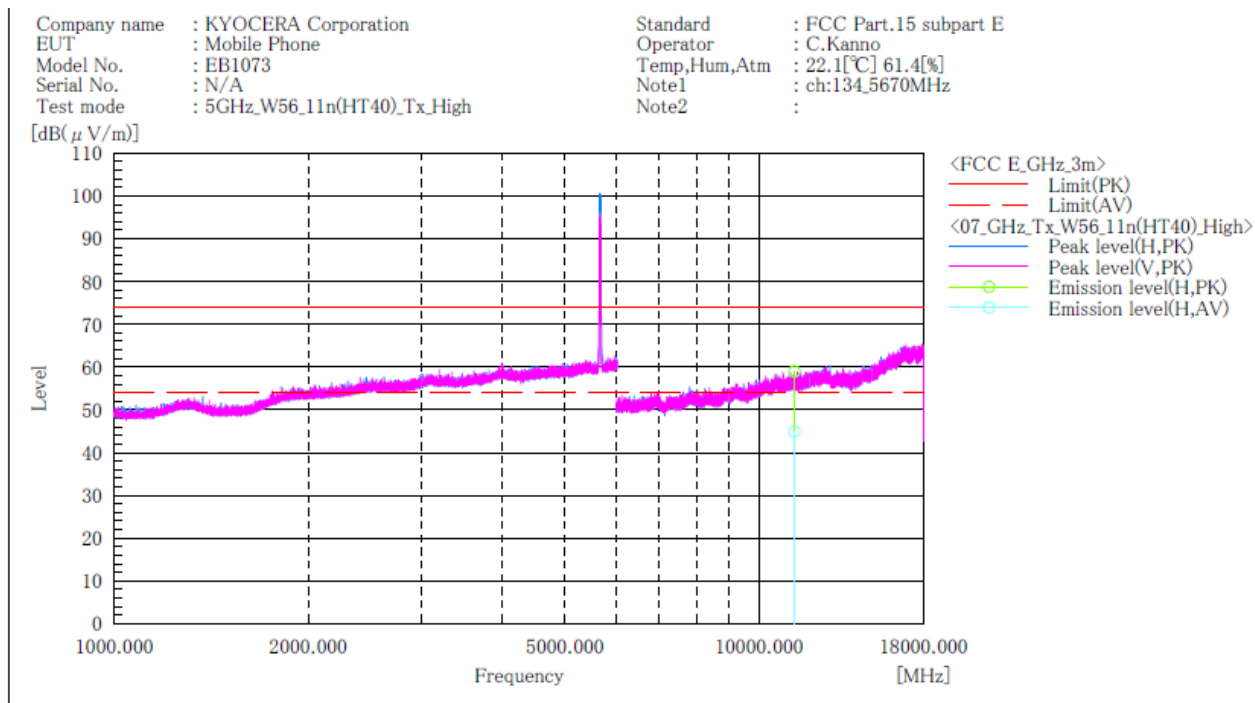


Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W56 / Channel High
ABOVE 1GHz



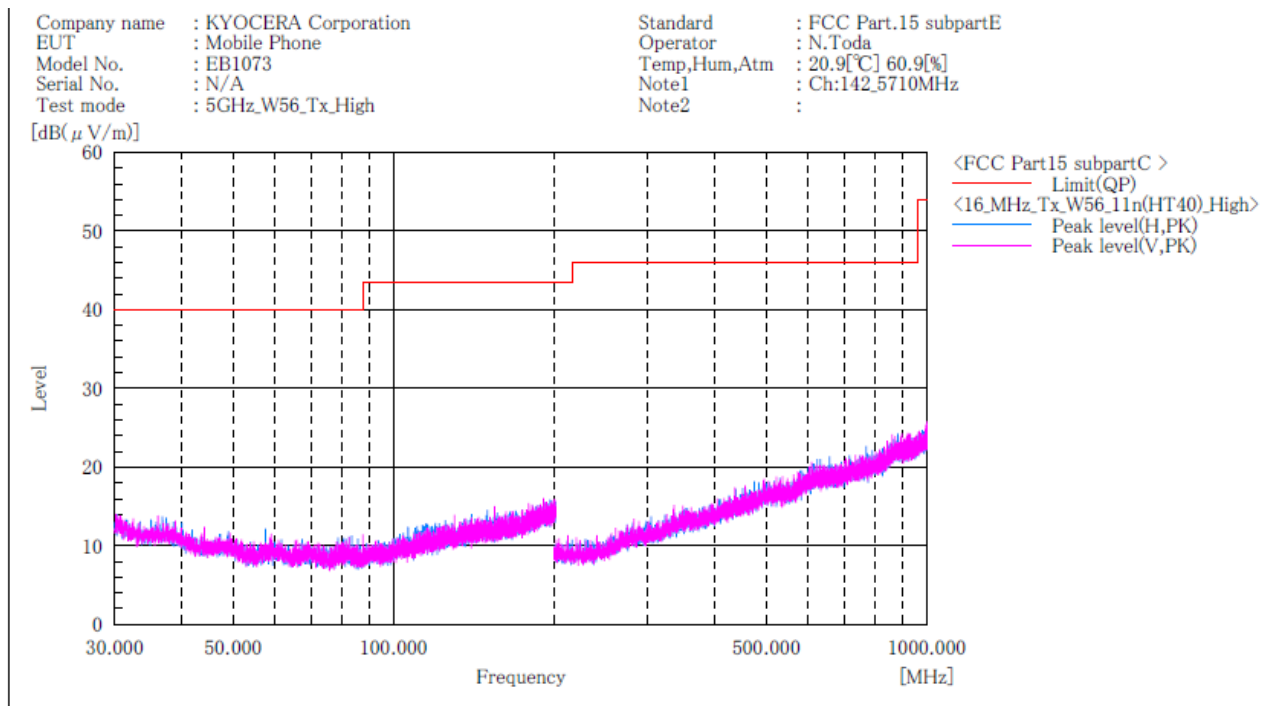
Final Result

No.	Frequency	(P)	Reading	Reading	c. f	Result	Result	Limit	Limit	Margin	Margin	Height	Angle	Remark
	[MHz]		PK	AV		PK	AV	PK	AV	PK	AV			
			[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[°]	
1	11340.000	H	46.6	32.5	12.4	59.0	44.9	74.0	54.0	15.0	9.1	100.0	174.0	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

[11n(HT40)]
W56 / Channel High
BELOW 1GHz



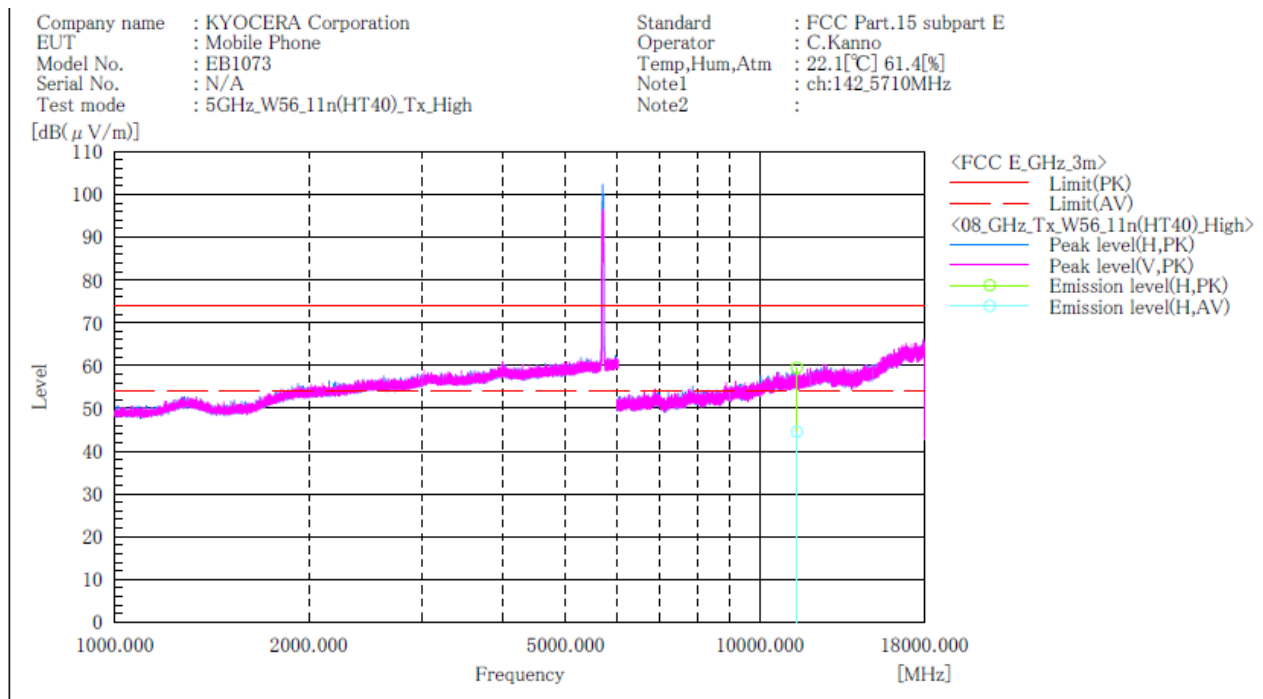
Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11n(HT40)]
W56 / Channel High
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	11420.000	H	47.0	32.0	12.5	59.5	44.5	74.0	54.0	14.5	9.5	100.0	227.0	

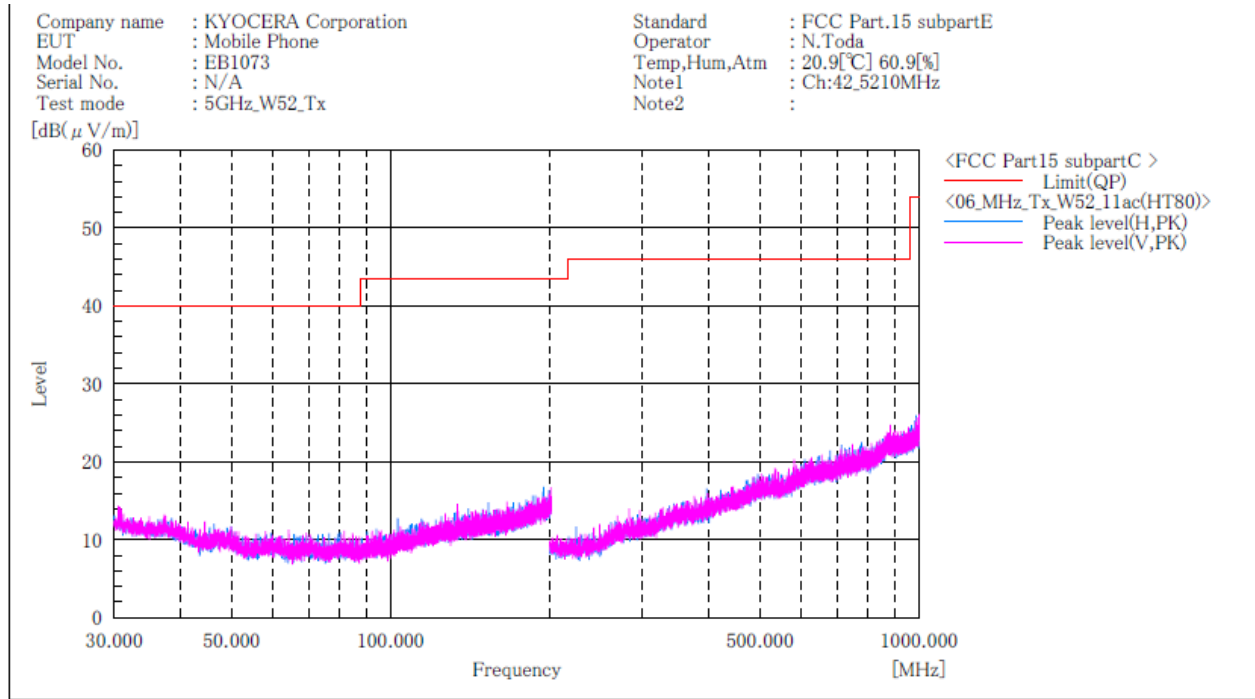
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11ac(VHT80)]
W52
BELOW 1GHz

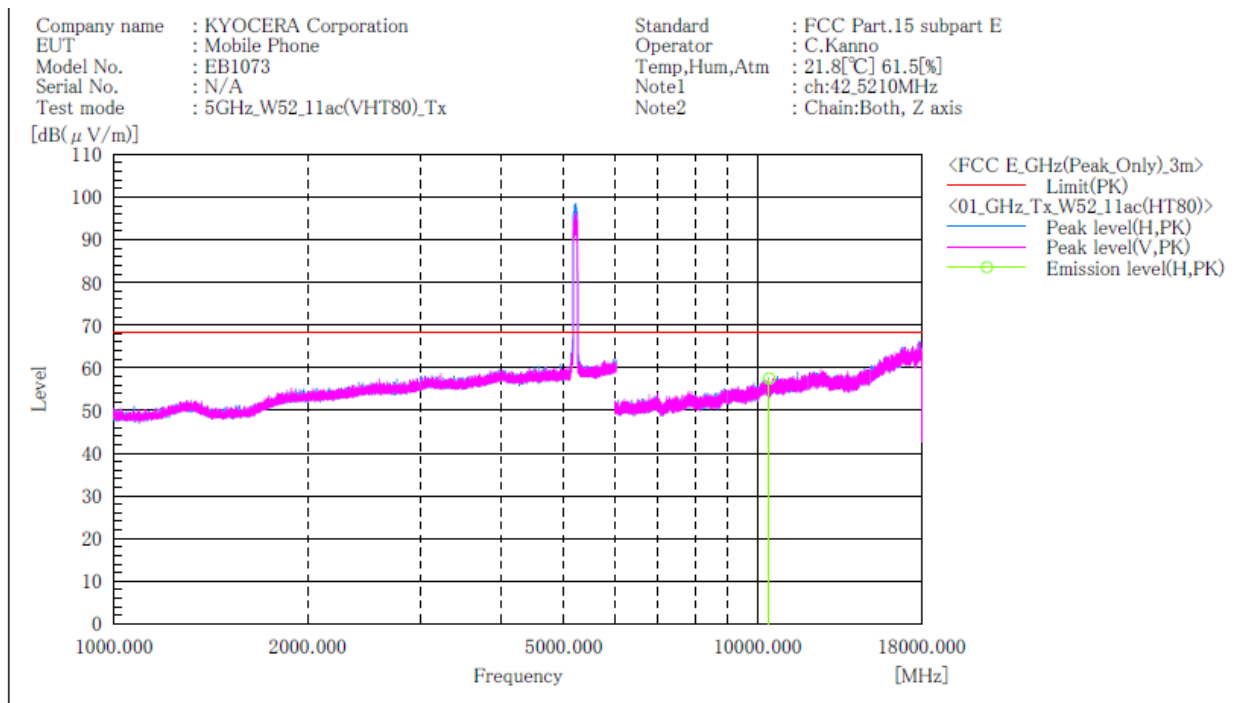


Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 - No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11ac(VHT80)]
W52
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10420.000	H	46.2	11.3	57.5	68.2	10.7	100.0	116.0	

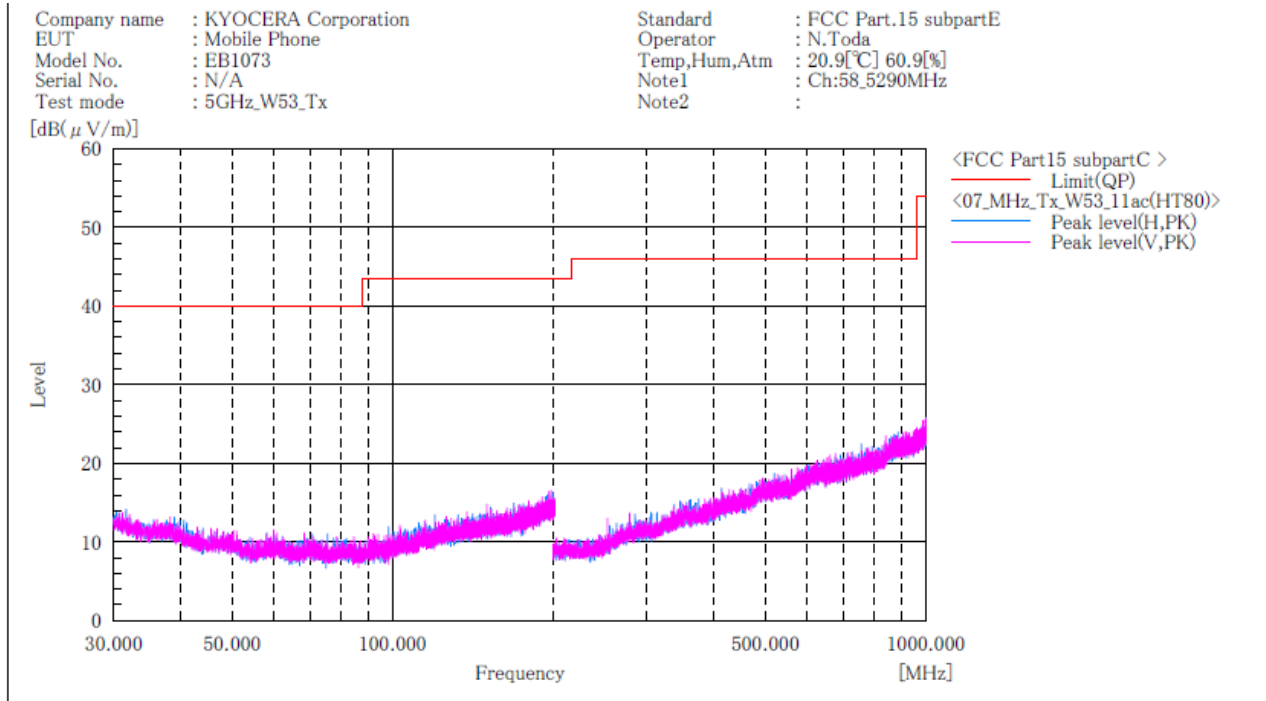
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11ac(VHT80)]
W53
BELOW 1GHz

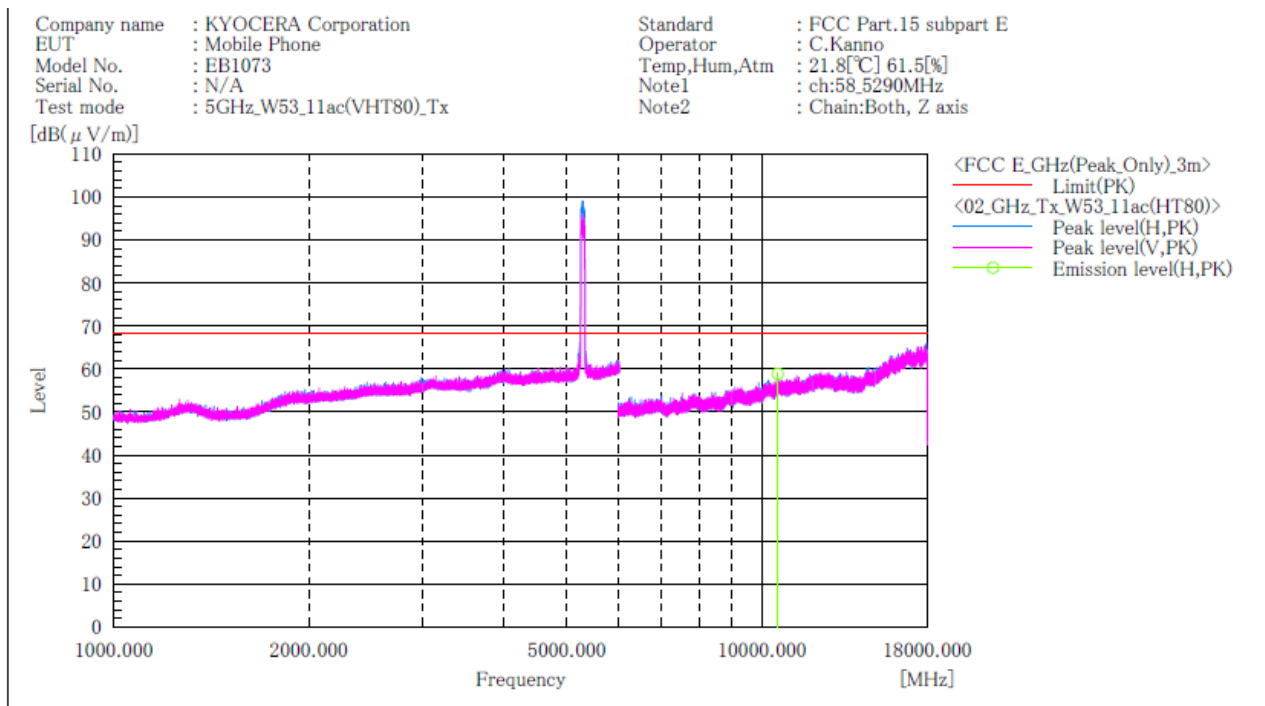


Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 - No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11ac(VHT80)]
W53
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10580.000	H	47.3	11.6	58.9	68.2	9.3	100.0	122.0	

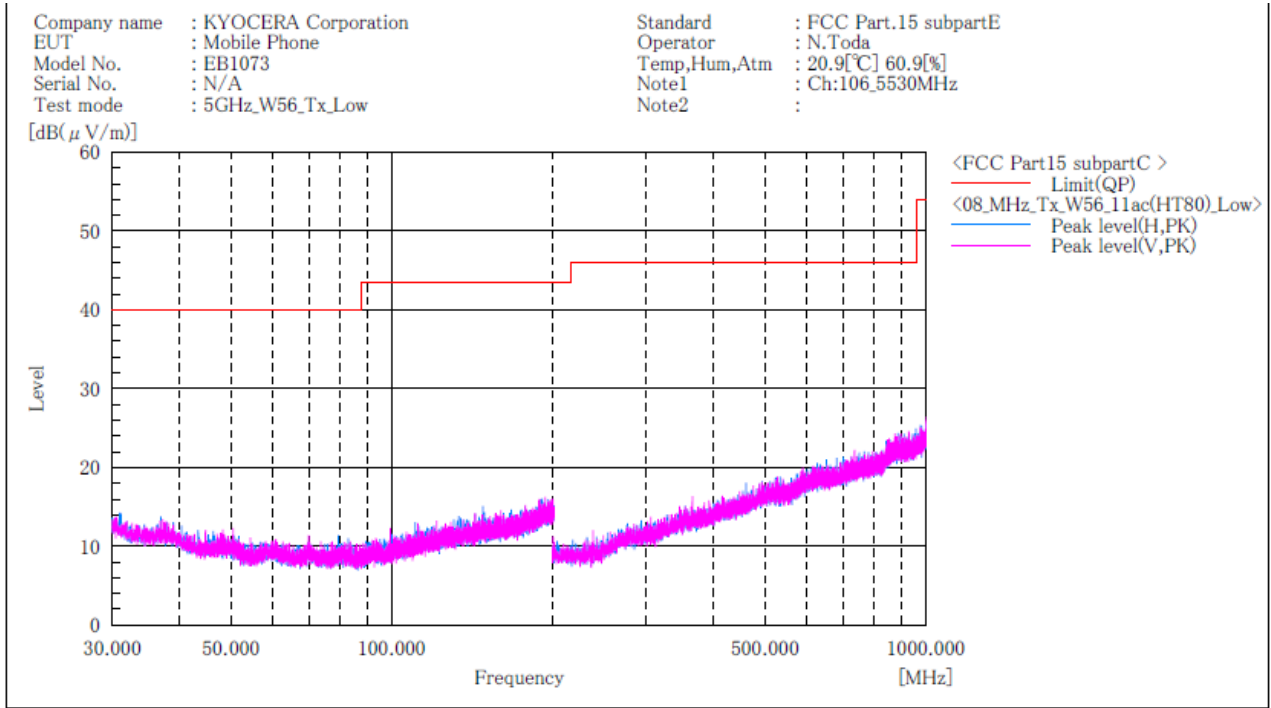
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11ac(VHT80)]
W56 / Channel Low
BELOW 1GHz

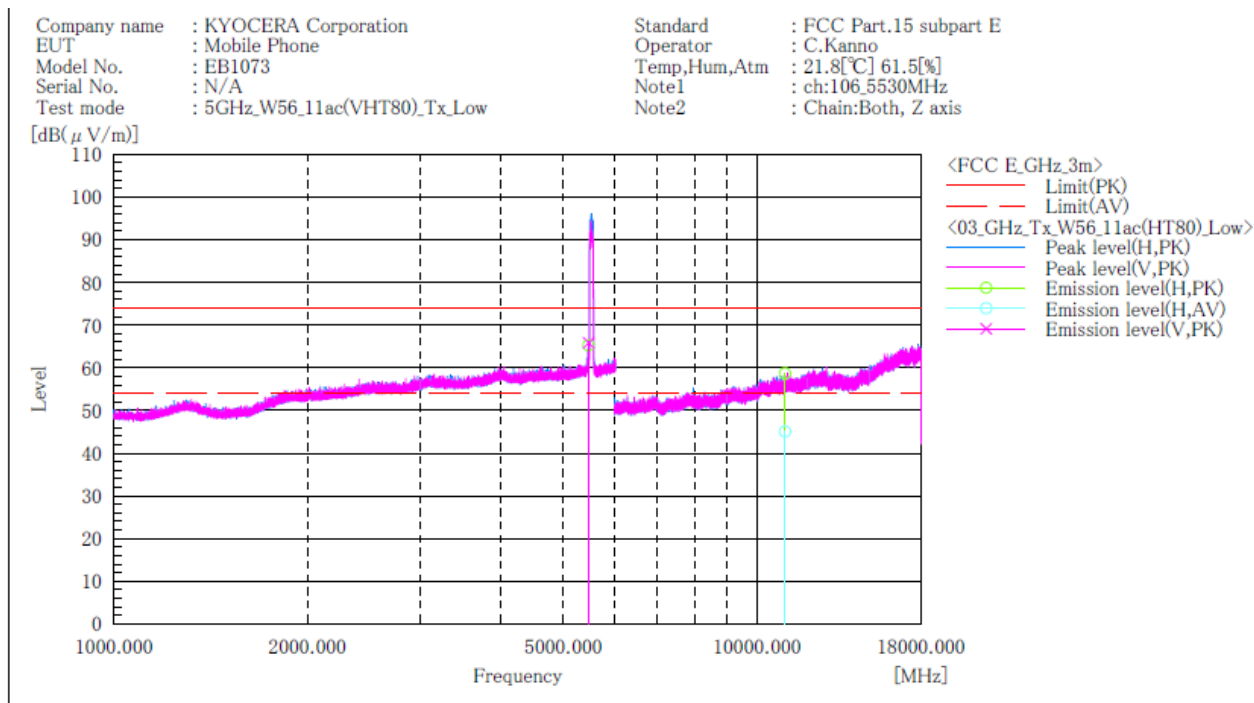


Final Result

No.	Frequency (P)	c. f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 - No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11ac(VHT80)]
W56 / Channel Low
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	5469.450	H	53.5		11.8	65.3		68.2	54.0	2.9		100.0	178.0	
2	5466.800	V	54.1		11.8	65.9		68.2	54.0	2.3		100.0	158.0	
3	11060.000	H	46.4	32.8	12.3	58.7	45.1	74.0	54.0	15.3	8.9	100.0	227.0	

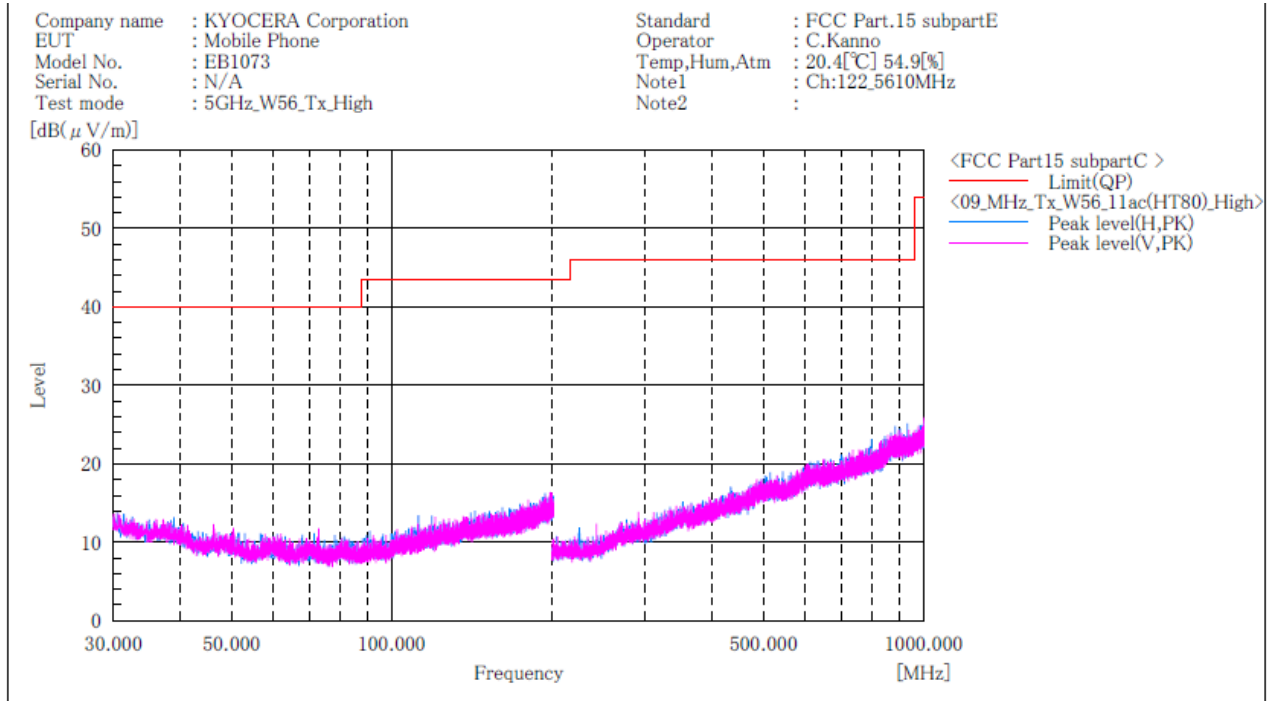
Note:

- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
- No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11ac(VHT80)]
W56 / Channel High
BELOW 1GHz



Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

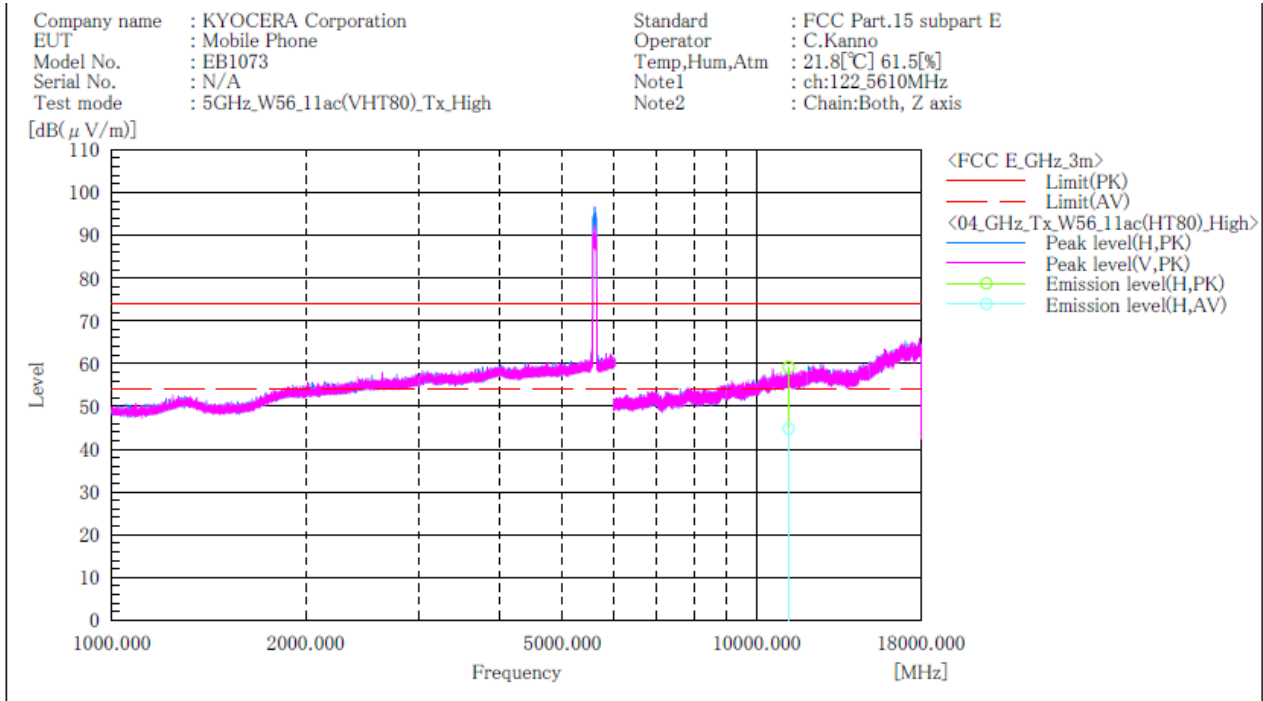
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Japan

[11ac(VHT80)]
W56 / Channel High
ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	11220.000	H	46.8	32.4	12.4	59.2	44.8	74.0	54.0	14.8	9.2	100.0	179.0	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

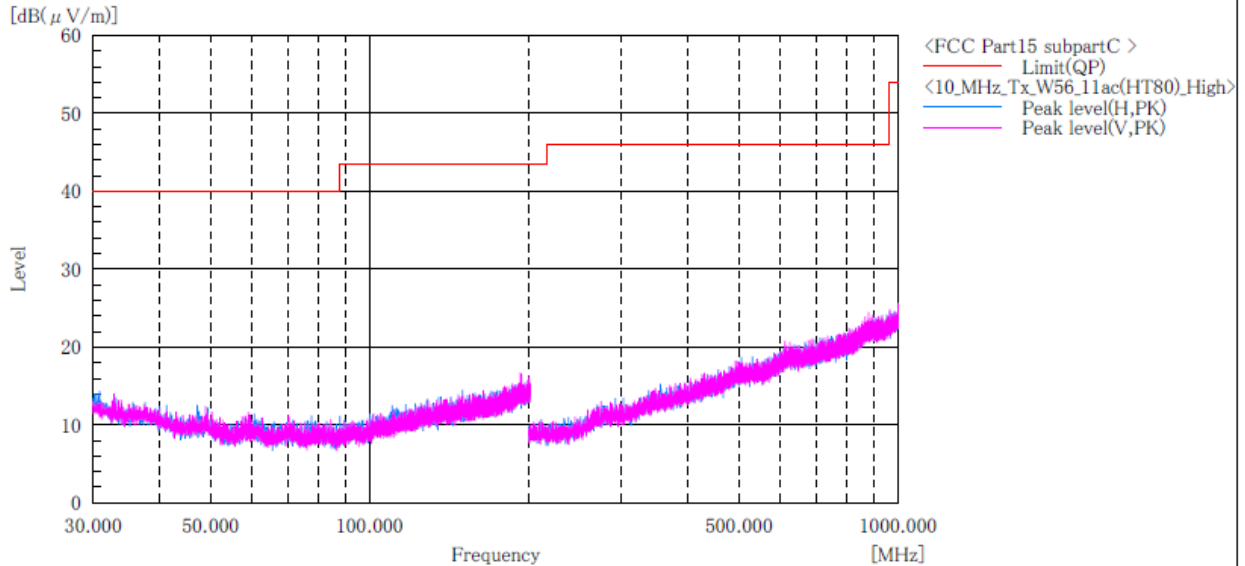


Japan

[11ac(VHT80)]
W56 / Channel High
BELOW 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1073
Serial No. : N/A
Test mode : 5GHz_W56_Tx_High

Standard : FCC Part.15 subpartE
Operator : C.Kanno
Temp,Hum,Atm : 20.4[°C] 54.9[%]
Note1 : Ch:138_5690MHz
Note2 :



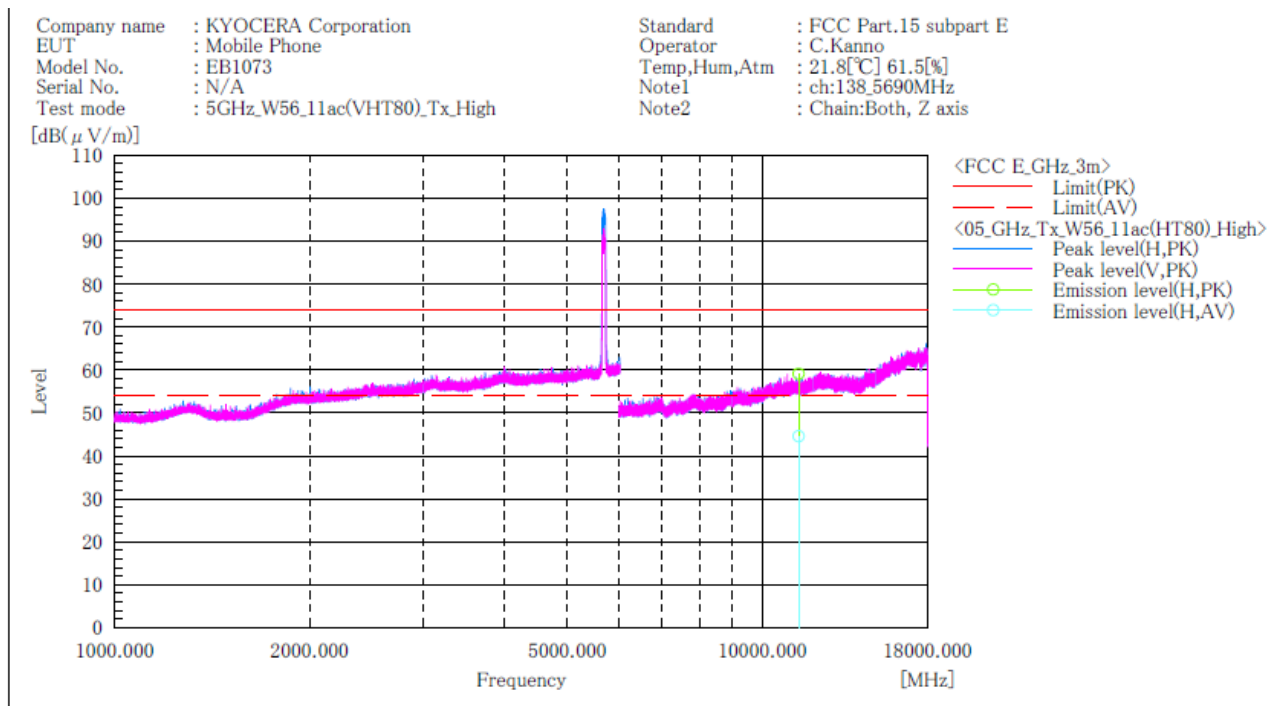
Final Result

No.	Frequency (P) [MHz]	c.f [dB(1/m)]	Height [cm]	Angle [°]	Remark
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Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11ac(VHT80)]
W56 / Channel High
ABOVE 1GHz

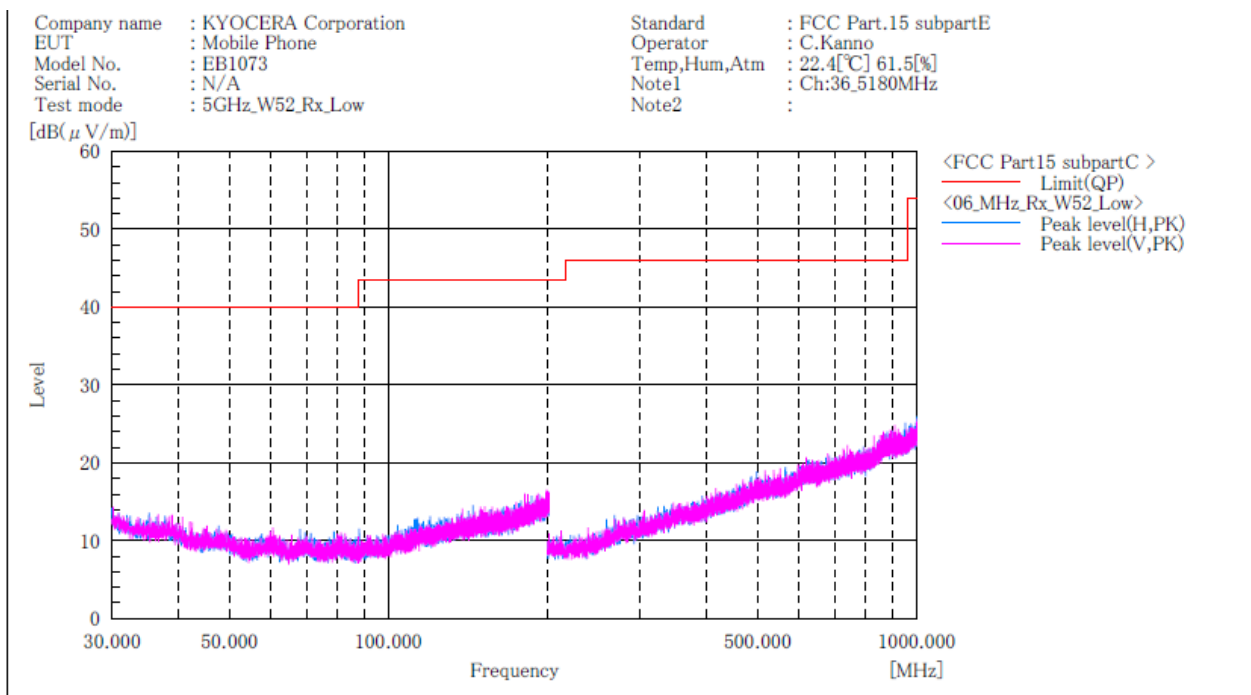


Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	11390.000	H	46.6	32.1	12.5	59.1	44.6	74.0	54.0	14.9	9.4	100.0	216.0	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

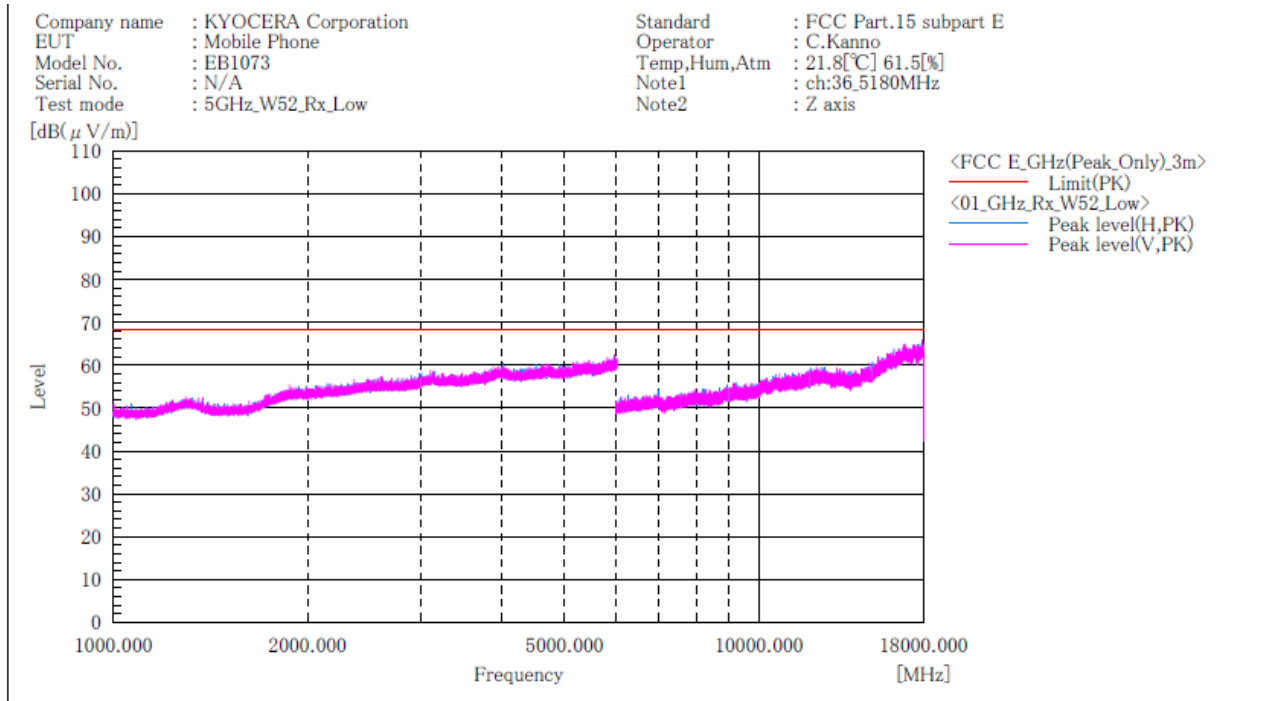
Receive mode**W52 / Channel Low
BELOW 1GHz****Final Result**

No.	Frequency (P)	c. f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**W52 / Channel Low
ABOVE 1GHz**



Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

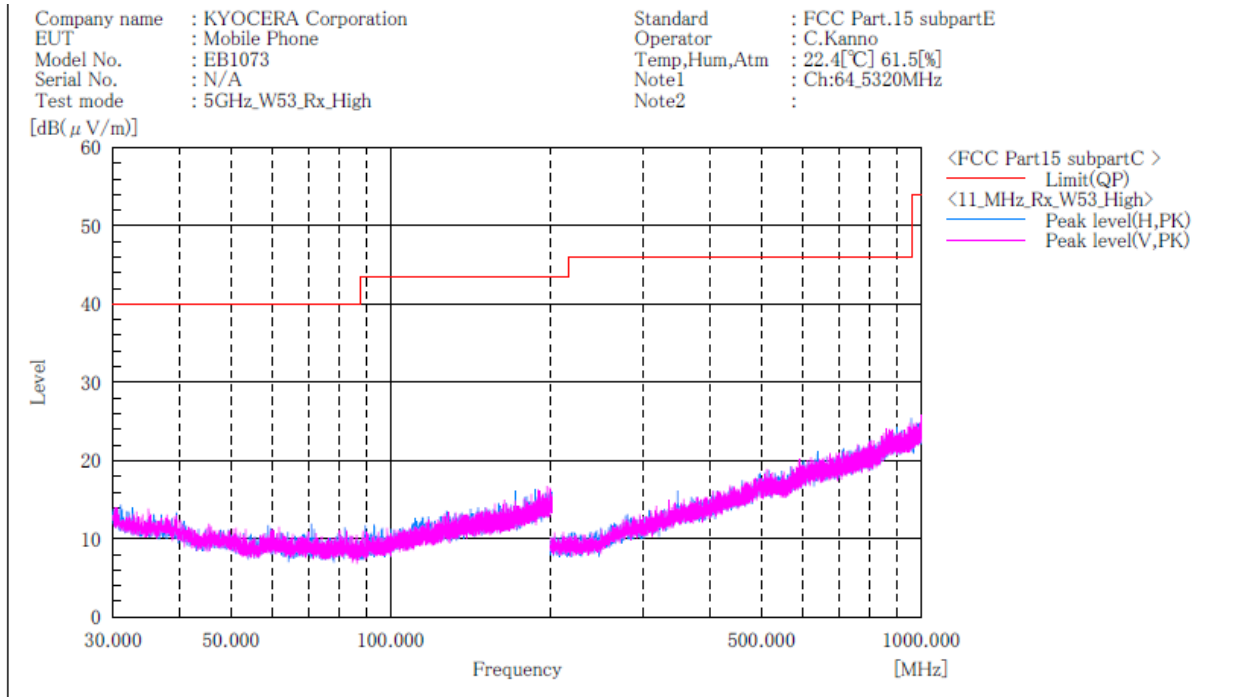
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

**W53 / Channel High
BELOW 1GHz**



Final Result

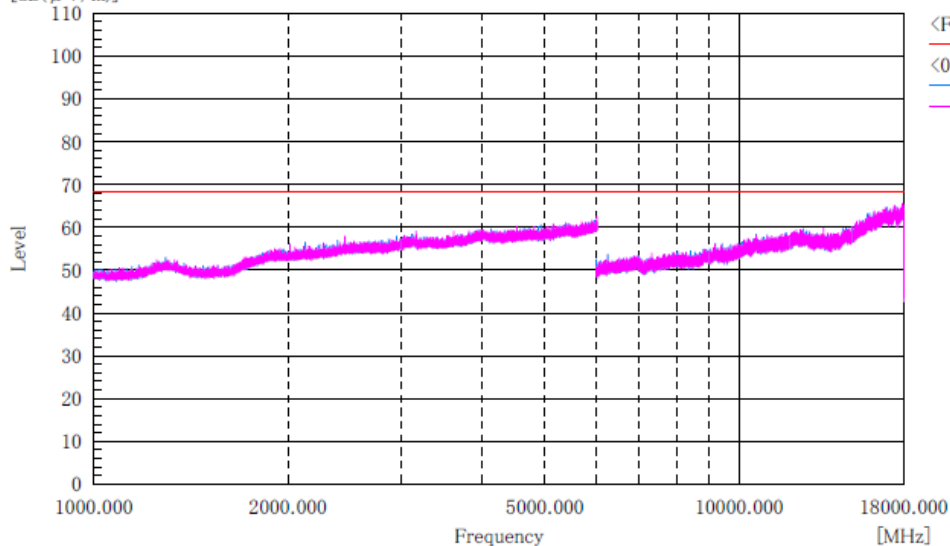
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 - No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

W53 / Channel High ABOVE 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1073
Serial No. : N/A
Test mode : 5GHz_W53_Rx_High

Standard : FCC Part.15 subpart E
Operator : C.Kanno
Temp,Hum,Atm : 21.8[°C] 61.5[%]
Note1 : ch:64_5320MHz
Note2 : Z axis

[dB(μ V/m)]

Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

Note:

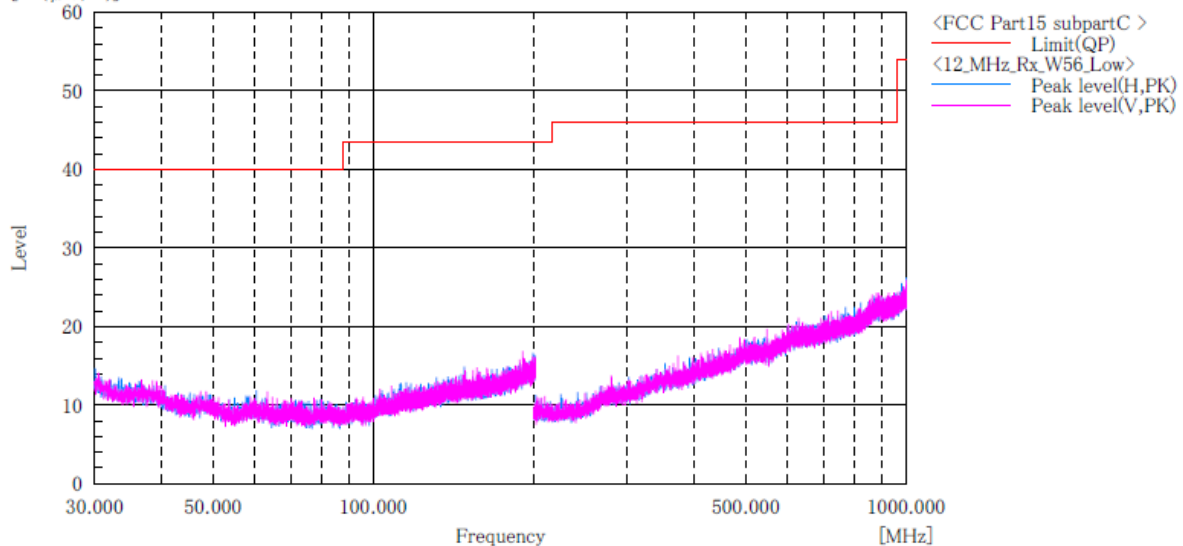
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable - Amp)]
- No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

W56 / Channel Low BELOW 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1073
Serial No. : N/A
Test mode : 5GHz_W56_Rx_Low

Standard : FCC Part.15 subpartE
Operator : C.Kanno
Temp,Hum,Atm : 22.4[°C] 61.5[%]
Note1 : Ch:100_5500MHz
Note2 :

[dB(μV/m)]



Final Result

No.	Frequency (P) [MHz]	c.f [dB(1/m)]	Height [cm]	Angle [°]	Remark
-----	------------------------	------------------	----------------	--------------	--------

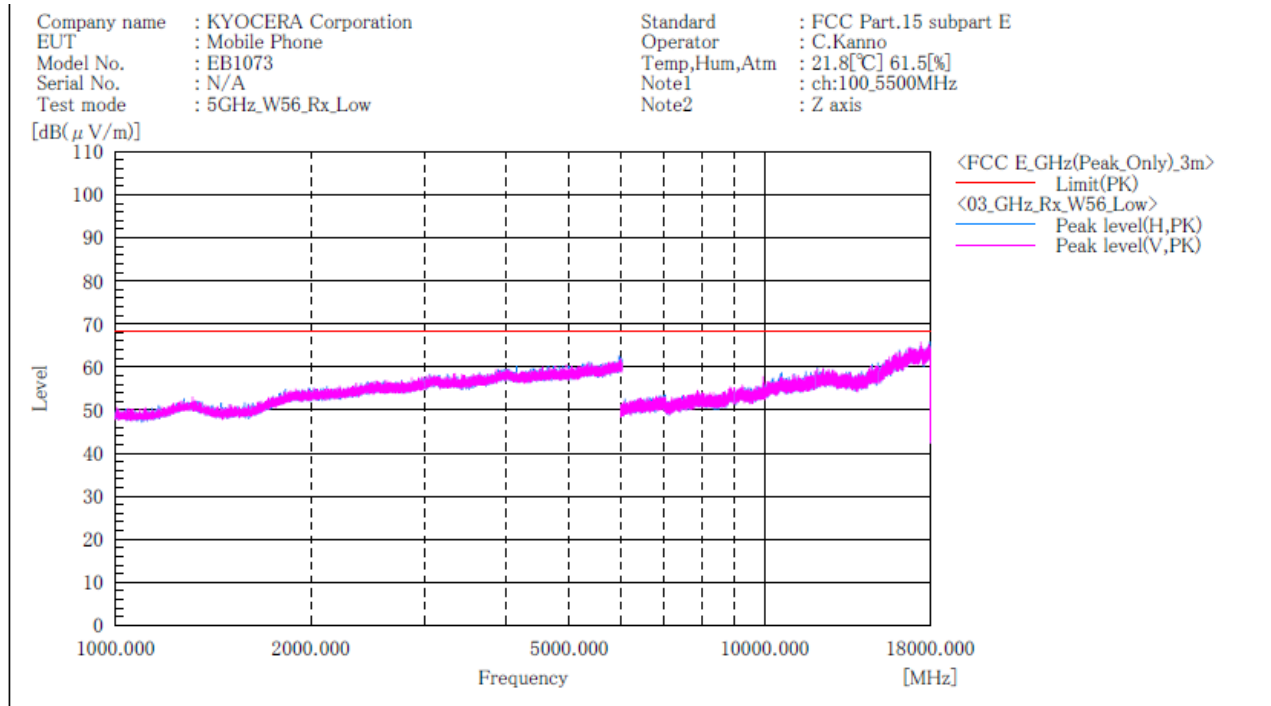
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Japan

**W56 / Channel Low
ABOVE 1GHz**

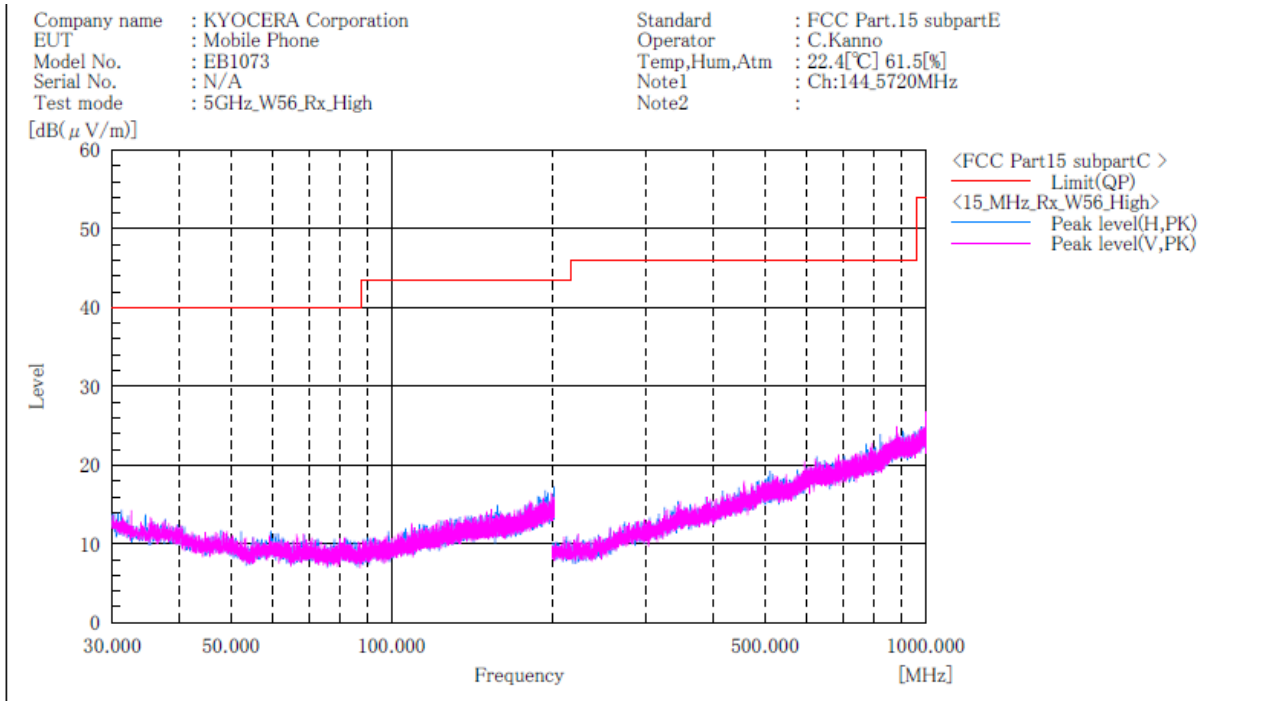


Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**W56 / Channel High
BELOW 1GHz**



Final Result

No.	Frequency (P)	c. f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

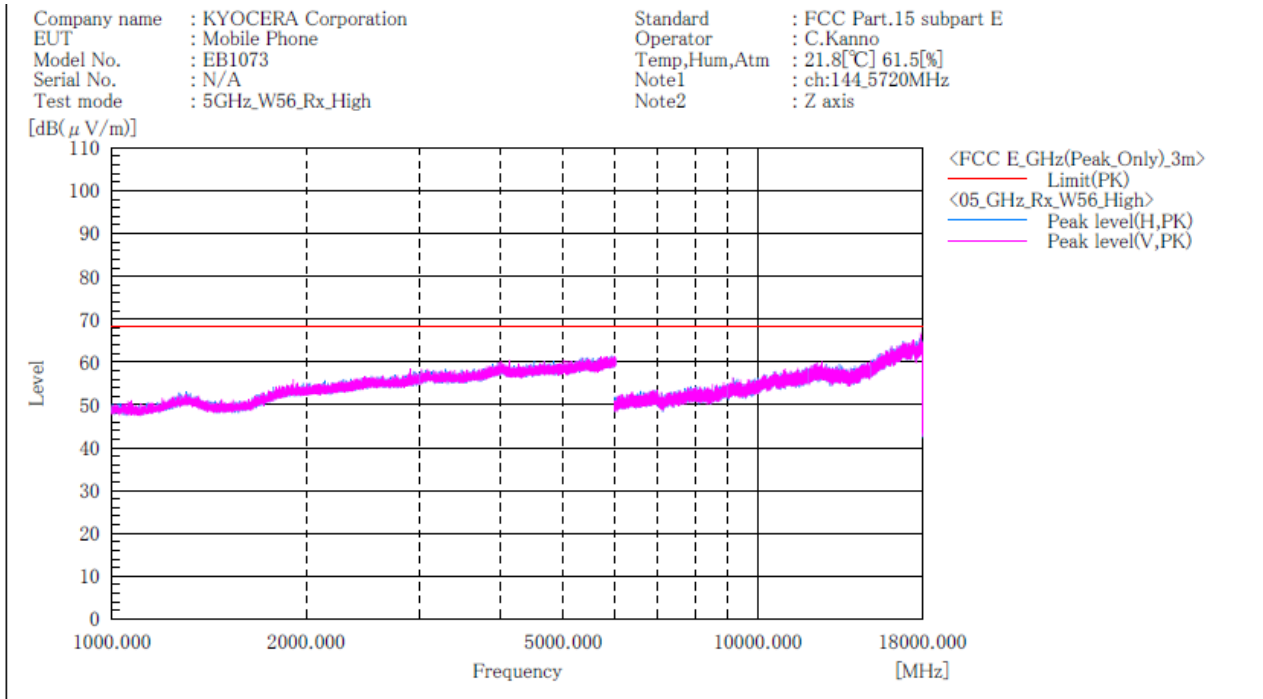
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Japan

**W56 / Channel High
ABOVE 1GHz**



Final Result

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

- Note:
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
 2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

4.5 Frequency Stability

4.5.1 Measurement procedure

[FCC 15.407(g)]

The EUT was placed of an inside of an constant temperature chamber as the temperature in the chamber was varied between -30°C and $+60^{\circ}\text{C}$. 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.

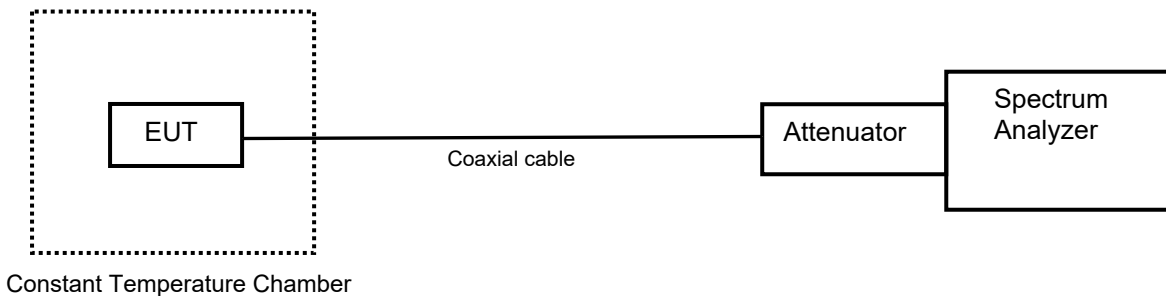
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.

- Tx mode

- Test configuration



4.5.2 Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified.



Japan

4.5.3 Measurement result

Date : 17-September-2021
Temperature : 21.4 [°C]
Humidity : 57.1 [%]
Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 21-September-2021
Temperature : 20.8 [°C]
Humidity : 52.4 [%]
Test place : Shielded room No.4

Test engineer : Kazunori Saito

[Channel: 36 (5180 MHz)]**Tx01**

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)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.85	25(Ref.)	5180042788	0.00000000	5180027812	-2.89109581	5180030902	-2.29457564	5180004481	-7.39511266
	60	5179987857	-10.60435256	5179986974	-10.77481447	5179980289	-12.06534435	5179992549	-9.69856854
	50	5179984571	-11.23871025	5179996898	-8.85900018	5179992135	-9.77849066	5179987606	-10.65280776
	40	5179992035	-9.79779552	5180003180	-7.64626889	5180002411	-7.79472326	5180010904	-6.15516151
	30	5180011705	-6.00052958	5180024434	-3.54321398	5179994132	-9.39297260	5179997346	-8.77251441
	20	5180040398	-0.46138615	5180022257	-3.96348077	5180023505	-3.72255612	5180027161	-3.01677045
	10	5180057196	2.78144421	5180039954	-0.54709973	5180051634	1.70770790	5180037729	-0.97663286
	0	5180041556	-0.23783587	5180042421	-0.07084884	5180050820	1.55056634	5180061447	3.60209380
	-10	5180027087	-3.03105604	5180053865	2.13839932	5180050743	1.53570160	5180043904	0.21544224
	-20	5180037379	-1.04419987	5180041840	-0.18301007	5180027666	-2.91928091	5180033499	-1.79322843
	-30	5180017089	-4.96115593	5180014338	-5.49223263	5180000001	-8.25999115	5180051920	1.76291980
3.27	25	5180015759	-5.21791057	5180007319	-6.84724074	5180019051	-4.58239458	5180004362	-7.41808544
4.43	25	5180031521	-2.17507856	5180008635	-6.59318878	5180036669	-1.18126437	5179996590	-8.91845915

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

Tx02

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)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.85	25(Ref.)	5180030358	0.00000000	5180026186	-0.80540069	5180021262	-1.75597426	5180038744	1.61890943
	60	5180005317	-4.83414155	5179997667	-6.31096687	5180006386	-4.62777211	5179985431	-8.67311519
	50	5180008755	-4.17043888	5179988538	-8.07331176	5180002530	-5.37216929	5179984624	-8.82890579
	40	5180006983	-4.51252182	5179992680	-7.27370255	5180006218	-4.66020435	5179994937	-6.83799081
	30	5180009793	-3.97005395	5180024731	-1.08628707	5180017518	-2.47874995	5180003909	-5.10595463
	20	5180046596	3.13473066	5180017754	-2.43319037	5180038762	1.62238431	5180011767	-3.58897511
	10	5180025584	-0.92161622	5180039941	1.84998916	5180057563	5.25189972	5180033948	0.69304613
	0	5180047653	3.33878352	5180048810	3.56214129	5180039446	1.75442987	5180040695	1.99554815
	-10	5180050448	3.87835565	5180058897	5.50942717	5180038316	1.53628443	5180053129	4.39592018
	-20	5180043094	2.45867285	5180020539	-1.89554874	5180039662	1.79612847	5180035991	1.08744536
	-30	5180044093	2.65152886	5180023288	-1.36485687	5180034347	0.77007271	5180023457	-1.33223157
3.27	25	5180021004	-1.80578092	5180030963	0.11679468	5180014913	-2.98164276	5180002730	-5.33355948
4.43	25	5180014406	-3.07951863	5180019727	-2.05230457	5180028745	-0.31138814	5180011636	-3.61426453

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

[Channel: 64 (5320 MHz)]**Tx01**

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)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.85	25(Ref.)	5320030310	0.00000000	5320022784	-1.41465359	5320011746	-3.48945380	5320006319	-4.50956077
	60	5319980546	-9.35408204	5319995479	-6.54714315	5319991269	-7.33849202	5319991531	-7.28924418
	50	5319984105	-8.68510089	5319982372	-9.01085092	5320005701	-4.62572553	5319992158	-7.17138771
	40	5319998253	-6.02571755	5320003096	-5.11538439	5319990573	-7.46931835	5320003980	-4.94921992
	30	5319987845	-7.98209738	5319997619	-6.14488980	5320010158	-3.78794834	5320004305	-4.88813005
	20	5320022431	-1.48100660	5320034238	0.73834166	5320021077	-1.73551643	5320030890	0.10902194
	10	5320020629	-1.81972647	5320059825	5.54790072	5320040000	1.82141819	5320060248	5.62741155
	0	5320037883	1.42348813	5320047091	3.15430534	5320037754	1.39924015	5320036157	1.09905389
	-10	5320020036	-1.93119200	5320040964	2.00262017	5320047044	3.14547080	5320029612	-0.13120226
	-20	5320022275	-1.51032974	5320045153	2.79002170	5320058238	5.24959415	5320032904	0.48759121
	-30	5320017773	-2.35656552	5320017692	-2.37179100	5320010113	-3.79640694	5320021834	-1.59322401
3.27	25	5320025298	-0.94209990	5320014166	-3.03456918	5320005652	-4.63493600	5320021395	-1.67574233
4.43	25	5320029318	-0.18646510	5320004586	-4.83531080	5320027814	-0.46917026	5320022473	-1.47311191

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

Tx02

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)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.85	25(Ref.)	5320002918	0.00000000	5320016588	2.56954746	5320003417	0.09379694	5320018306	2.89247962
	60	5319971068	-5.98683882	5319976726	-4.92330557	5319975446	-5.16390694	5319996648	-1.17857078
	50	5319976939	-4.88326800	5319984041	-3.54830632	5319997174	-1.07969866	5320061905	11.08777587
	40	5319987776	-2.84623904	5319979474	-4.40676450	5320013611	2.00996130	5319978045	-4.67537338
	30	5320025544	4.25300519	5320023493	3.86747908	5320011846	1.67819457	5320003883	0.18139088
	20	5320030787	5.23853096	5320038245	6.64040989	5320009754	1.28496170	5320020397	3.28552451
	10	5320033243	5.70018484	5320029743	5.04229047	5320033719	5.78965848	5320051948	9.21616036
	0	5320072520	13.08307553	5320045273	7.96146180	5320038783	6.74153766	5320061123	10.94078347
	-10	5320021132	3.42368233	5320040730	7.10751490	5320029461	4.98928298	5320052574	9.33382947
	-20	5320044330	7.78420626	5320049867	8.82499516	5320023945	3.95244144	5320043502	7.62856724
	-30	5320001274	-0.30902239	5320020789	3.35920868	5320042653	7.46898087	5320007302	0.82405970
3.27	25	5320020239	3.25582528	5320008754	1.09699188	5319999999	-0.54867500	5320022459	3.67311829
4.43	25	5320015949	2.44943475	5320027201	4.56447118	5320006936	0.75526274	5320025167	4.18214056

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

[Channel: 144 (5720 MHz)]**Tx01**

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)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.85	25(Ref.)	5700012038	0.0000000	5700029781	3.11280044	5700010406	-0.28631518	5700011389	-0.11385941
	60	5699981362	-5.38174302	5699970087	-7.35980902	5699975705	-6.37419706	5699984257	-4.87384936
	50	5699993525	-3.24788788	5699957786	-9.51787464	5699988390	-4.14876317	5699985327	-4.68613045
	40	5699994904	-3.00595856	5699993220	-3.30139654	5699986943	-4.40262228	5699998681	-2.34332838
	30	5700005193	-1.20087466	5700037257	4.42437662	5700012709	0.11771905	5700000001	-2.11180406
	20	5700005414	-1.16210281	5700017359	0.93350680	5700022571	1.84789083	5700013685	0.28894676
	10	5700018622	1.15508528	5700041758	5.21402408	5700058497	8.15068454	5700047046	6.14174142
	0	5700048469	6.39139001	5700040723	5.03244551	5700016756	0.82771755	5700058304	8.11682496
	-10	5700035510	4.11788604	5700030620	3.25999312	5700048562	6.40770577	5700056491	7.79875546
	-20	5700046577	6.05946089	5700037124	4.40104334	5700050057	6.66998591	5700019609	1.32824281
	-30	5700018209	1.08262929	5700015204	0.55543742	5700019890	1.37754095	5700018555	1.14333092
3.27	25	5700014379	0.41070089	5700006734	-0.93052435	5700009288	-0.48245512	5700016604	0.80105094
4.43	25	5700031069	3.33876488	5700020048	1.40526019	5700002537	-1.66683859	5699996169	-2.78402921

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

Tx02

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)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.85	25(Ref.)	5700017986	0.0000000	5700025565	1.32964493	5700011840	-1.07824221	5700007397	-1.85771344
	60	5699987288	-5.38559704	5699985254	-5.74243802	5699979482	-6.75506640	5699994025	-4.20367095
	50	5699970325	-8.36155256	5699985874	-5.63366643	5699974682	-7.59716901	5699994692	-4.08665377
	40	5699995033	-4.02682940	5699979474	-6.75646991	5699994898	-4.05051353	5699973016	-7.88944879
	30	5700022515	0.79455890	5699999995	-3.15624144	5700005604	-2.17227385	5699991606	-4.62805557
	20	5700031588	2.38630826	5700038245	3.55419931	5700027964	1.75052079	5700002917	-2.64367587
	10	5700050247	5.65980670	5700016674	-0.23017471	5700040177	3.89314561	5700020173	0.38368300
	0	5700055142	6.51857592	5700059647	7.30892431	5700060399	7.44085371	5700049940	5.60594722
	-10	5700047888	5.24594836	5700057430	6.91997816	5700042205	4.24893396	5700037610	3.44279615
	-20	5700048726	5.39296544	5700038320	3.56735716	5700033511	2.72367562	5700034442	2.88700843
	-30	5700031782	2.42034324	5700031001	2.28332613	5700015158	-0.49613879	5700023669	0.99701440
3.27	25	5700005489	-2.19244922	5700013339	-0.81526059	5700019416	0.25087640	5700014494	-0.61262965
4.43	25	5700019677	0.29666573	5700022022	0.70806794	5700002474	-2.72139492	5700006866	-1.95087104

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

4.6 AC Power Line Conducted Emissions

4.6.1 Measurement procedure

[FCC 15.207]

Test was applied by following conditions.

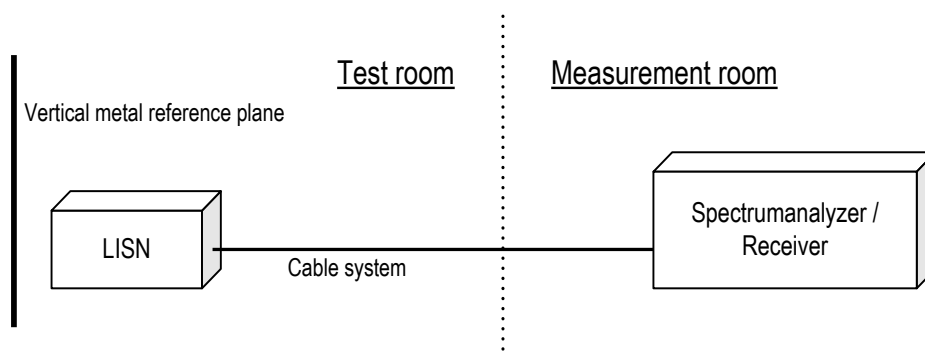
Test method	: ANSI C63.10
Frequency range	: 0.15 MHz to 30 MHz
Test place	: 3m Semi-anechoic chamber
EUT was placed on	: FRP table / (W) 2.0 × (D) 1.0 × (H) 0.8 m
Vertical Metal Reference Plane	: (W) 2.0 × (H) 2.0 m, 0.4 m away from EUT
Test receiver setting	
- Detector	: Quasi-peak, Average
- Bandwidth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



4.6.2 Calculation method

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

Margin = Limit – Emission level

4.6.3 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 0.15 MHz to 0.5 MHz.

4.6.4 Transmission mode

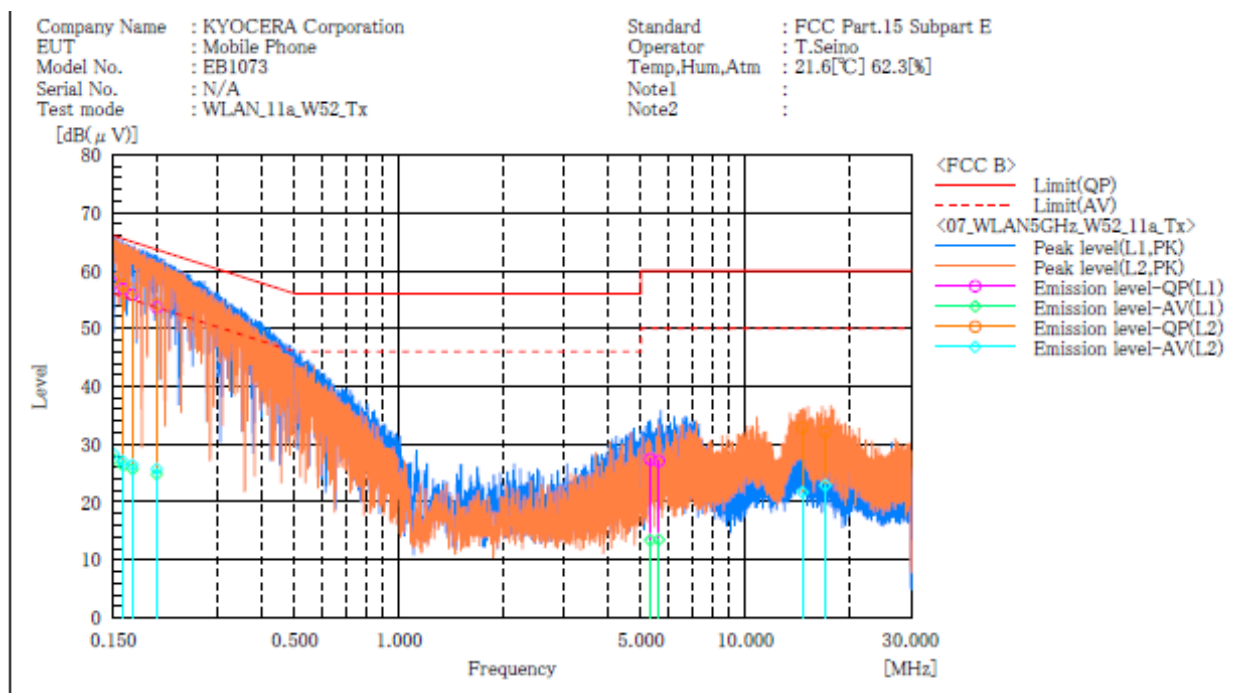
Modulation Type	Mode
IEEE802.11a	Simultaneous transmission (Tx01 + Tx02)

4.6.5 Test data

Date : 8-October-2020
 Temperature : 21.6 [°C]
 Humidity : 62.3 [%]
 Test place : 3m Semi-anechoic chamber

Test engineer : Tadahiro Seino

W52



Final Result

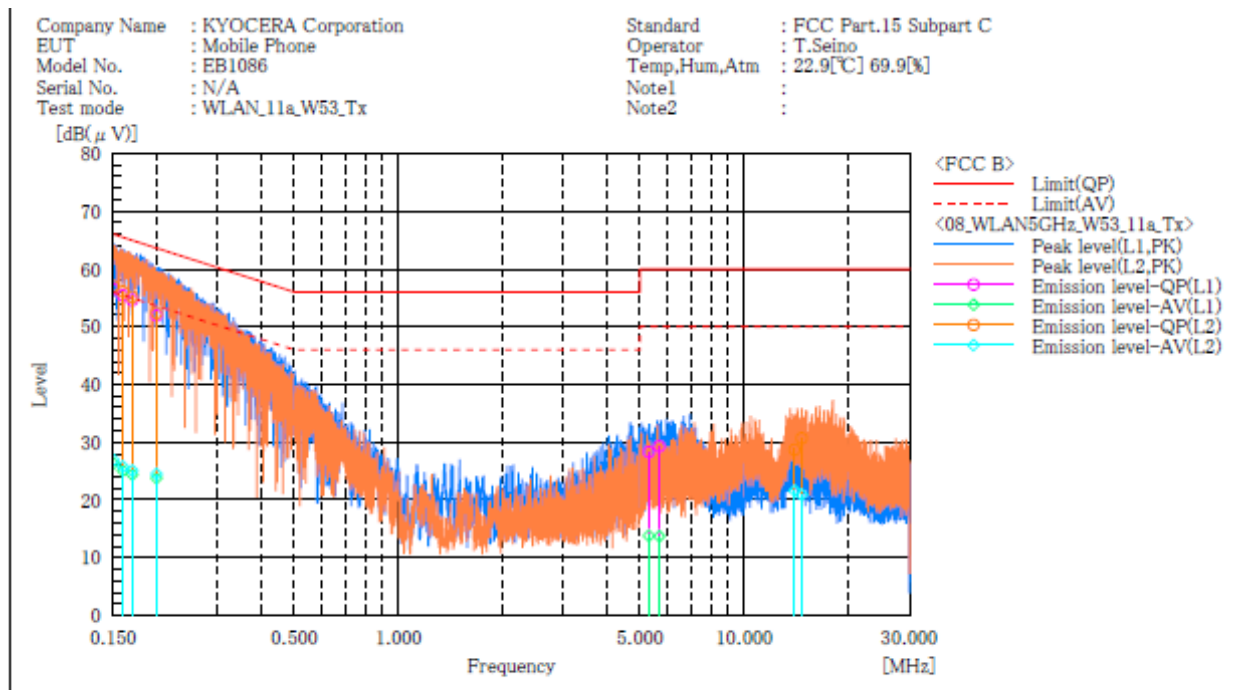
--- L1 Phase ---

No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.150	47.2	16.8	10.6	57.8	27.4	66.0	56.0	8.2	28.6
2	0.160	46.3	15.8	10.5	56.8	26.3	65.5	55.5	8.7	29.2
3	0.170	45.3	15.2	10.5	55.8	25.7	65.0	55.0	9.2	29.3
4	0.200	43.1	14.3	10.5	53.6	24.8	63.6	53.6	10.0	28.8
5	5.306	16.7	2.7	10.7	27.4	13.4	60.0	50.0	32.6	36.6
6	5.615	16.4	2.8	10.7	27.1	13.5	60.0	50.0	32.9	36.5

--- L2 Phase ---

No.	Frequency	Reading QP	Reading CAV	c. f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.150	47.9	17.7	10.6	58.5	28.3	66.0	56.0	7.5	27.7
2	0.160	46.9	16.4	10.6	57.5	27.0	65.5	55.5	8.0	28.5
3	0.170	46.1	15.8	10.6	56.7	26.4	65.0	55.0	8.3	28.6
4	0.200	43.7	15.2	10.5	54.2	25.7	63.6	53.6	9.4	27.9
5	14.597	21.3	10.1	11.6	32.9	21.7	60.0	50.0	27.1	28.3
6	16.987	20.3	11.1	11.8	32.1	22.9	60.0	50.0	27.9	27.1

W53



Final Result

--- L1 Phase ---

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	45.9	15.7	10.6	56.5	26.3	66.0	56.0	9.5	29.7
2	0.160	44.9	14.6	10.5	55.4	25.1	65.5	55.5	10.1	30.4
3	0.170	44.1	13.9	10.5	54.6	24.4	65.0	55.0	10.4	30.6
4	0.200	41.4	13.3	10.5	51.9	23.8	63.6	53.6	11.7	29.8
5	5.299	17.6	3.1	10.7	28.3	13.8	60.0	50.0	31.7	36.2
6	5.677	18.6	3.0	10.7	29.3	13.7	60.0	50.0	30.7	36.3

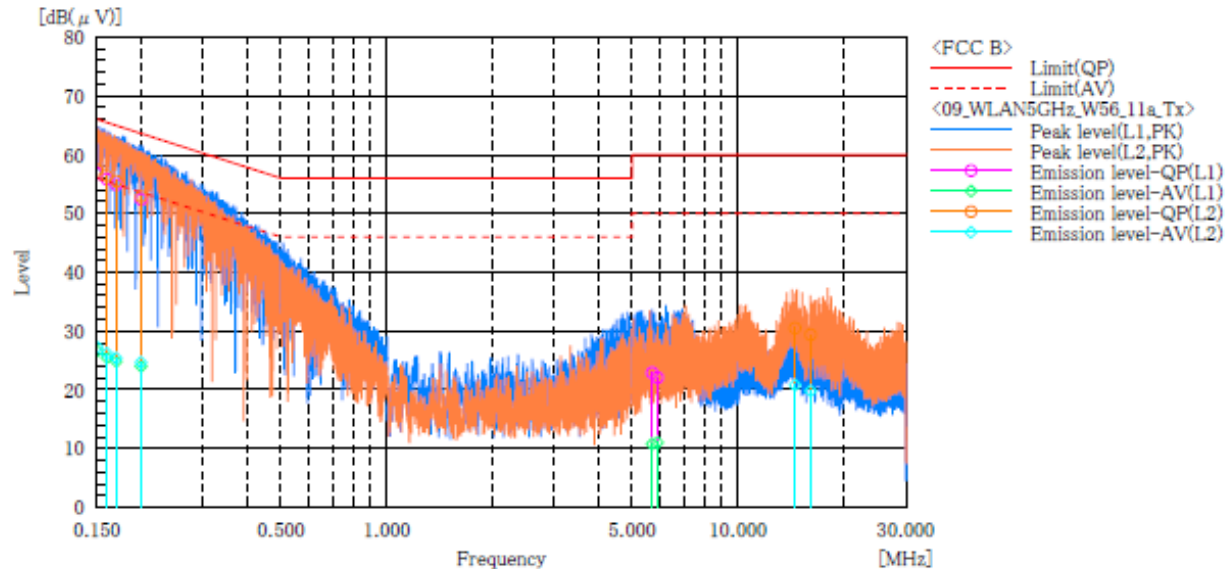
--- L2 Phase ---

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	46.4	16.3	10.6	57.0	26.9	66.0	56.0	9.0	29.1
2	0.160	45.5	15.2	10.6	56.1	25.8	65.5	55.5	9.4	29.7
3	0.170	44.6	14.5	10.6	55.2	25.1	65.0	55.0	9.8	29.9
4	0.200	41.9	14.0	10.5	52.4	24.5	63.6	53.6	11.2	29.1
5	13.969	17.1	10.0	11.6	28.7	21.6	60.0	50.0	31.3	28.4
6	14.646	19.1	9.3	11.6	30.7	20.9	60.0	50.0	29.3	29.1

W56

Company Name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1073
 Serial No. : N/A
 Test mode : WLAN_11a_W56_Tx

Standard : FCC Part.15 Subpart C
 Operator : T.Seino
 Temp,Hum,Atm : 21.6[°C] 62.3[%]
 Note1 :
 Note2 :



Final Result

— L1 Phase —

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	46.2	16.0	10.6	56.8	26.6	66.0	56.0	9.2	29.4
2	0.160	45.3	15.0	10.5	55.8	25.5	65.5	55.5	9.7	30.0
3	0.170	44.4	14.3	10.5	54.9	24.8	65.0	55.0	10.1	30.2
4	0.200	41.9	13.5	10.5	52.4	24.0	63.6	53.6	11.2	29.6
5	5.697	12.2	0.1	10.7	22.9	10.8	60.0	50.0	37.1	39.2
6	5.895	11.3	0.2	10.8	22.1	11.0	60.0	50.0	37.9	39.0

— L2 Phase —

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	46.8	16.7	10.6	57.4	27.3	66.0	56.0	8.6	28.7
2	0.160	45.8	15.6	10.6	56.4	26.2	65.5	55.5	9.1	29.3
3	0.170	44.9	14.8	10.6	55.5	25.4	65.0	55.0	9.5	29.6
4	0.200	42.4	14.2	10.5	52.9	24.7	63.6	53.6	10.7	28.9
5	14.532	18.9	9.2	11.6	30.5	20.8	60.0	50.0	29.5	29.2
6	16.062	17.6	8.0	11.8	29.4	19.8	60.0	50.0	30.6	30.2

4.7 Duty Cycle

4.7.1 Measurement procedure

[ANSI C63.10, Section 12.2, KDB 789033 D02, Section B, Zero-Span Spectrum Analyzer Method]

The duty cycle 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;

- RBW=8 MHz, VBW=8 MHz, Span=0 Hz, Sweep=Auto, Detector=Peak, Trace mode=Single

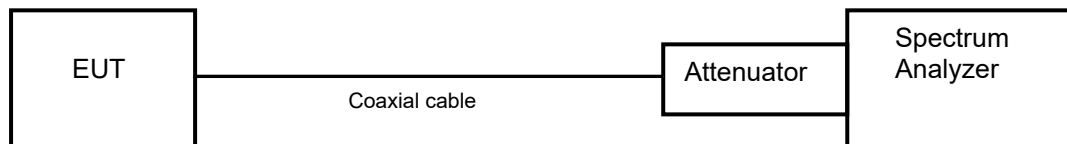
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.

- Tx mode

- Test configuration



4.7.2 Limit

None

4.7.3 Measurement result

Date : 7-September-2020
Temperature : 22.3 [°C]
Humidity : 51.4 [%]
Test place : Shielded room No.4

Test engineer : Tadahiro Seino

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11a	36	5180	1.342	1.380	0.972	745.2	0.121	0.243
	40	5200						
	48	5240						
	52	5260	1.344	1.382	0.973	744.0	0.121	0.242
	56	5280						
	64	5320						
	100	5500	1.340	1.378	0.972	746.3	0.121	0.243
	116	5580						
	140	5700						
	144	5720						

Note: X = On time / (On + Off time)

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11n (20MHz)	36	5180	1.258	1.292	0.974	794.9	0.116	0.232
	40	5200						
	48	5240						
	52	5260	1.258	1.296	0.971	794.9	0.129	0.258
	56	5280						
	64	5320						
	100	5500	1.258	1.300	0.968	794.9	0.143	0.285
	116	5580						
	140	5700						
	144	5720						

Note: X = On time / (On + Off time)

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11n (40MHz)	38	5190	0.627	0.663	0.946	1594.9	0.242	0.485
	46	5230						
	54	5270	0.627	0.666	0.941	1594.9	0.262	0.524
	62	5310						
	102	5510	0.628	0.665	0.944	1592.4	0.249	0.497
	110	5550						
	134	5670						
	142	5710						

Note: X = On time / (On + Off time)

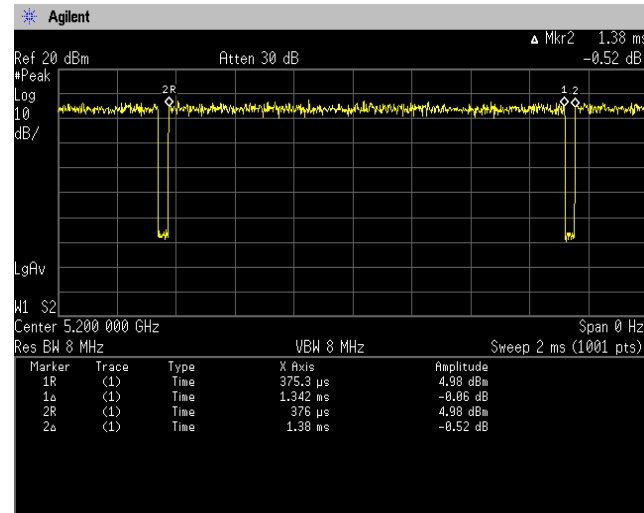
Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11ac (80MHz)	42	5210	0.315	0.352	0.895	3173.6	0.481	0.962
	58	5290	0.315	0.352	0.896	3173.6	0.475	0.950
	106	5530	0.315	0.352	0.895	3178.6	0.482	0.963
	122	5610	0.315	0.352	0.895	3173.6	0.481	0.962
	138	5690	0.315	0.352	0.895	3173.6	0.481	0.962

Note: X = On time / (On + Off time)

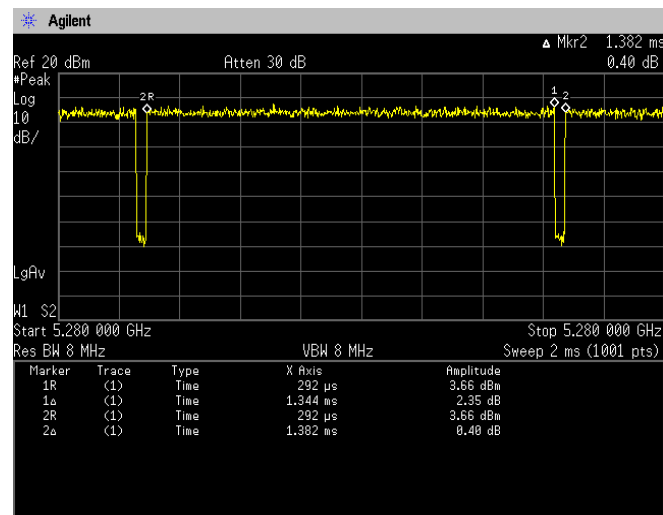
4.7.4 Trace data

[IEEE802.11a]

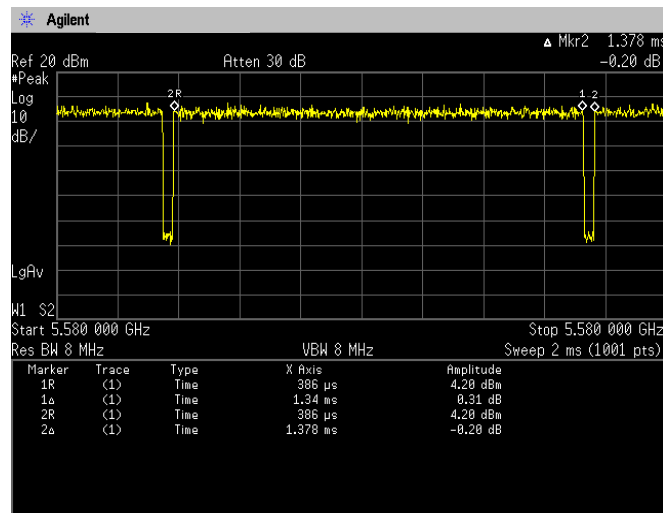
Channel: 40



Channel: 56



Channel: 116

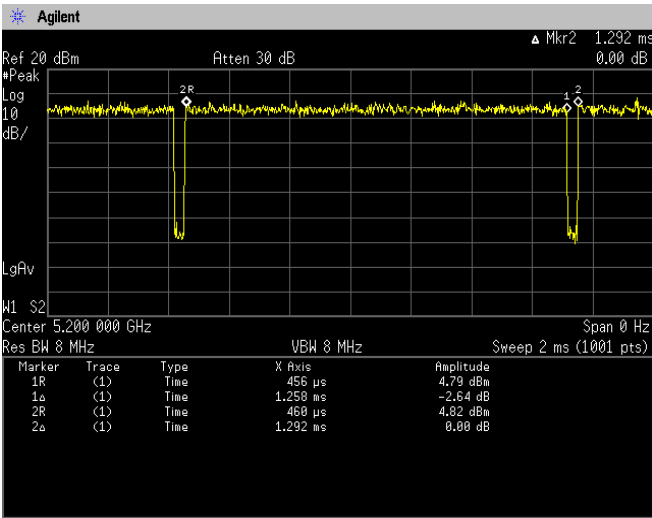




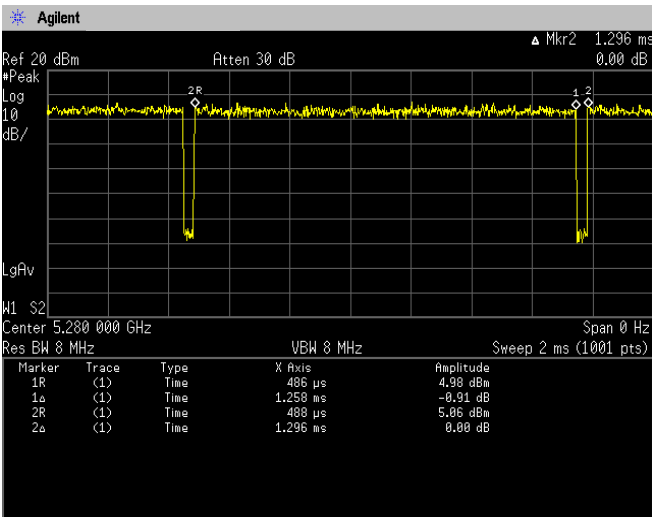
Japan

[IEEE802.11n (HT20)]

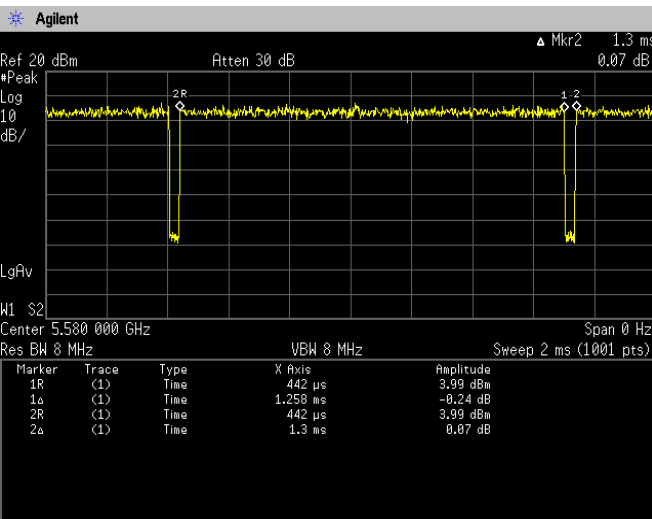
Channel: 40



Channel: 56

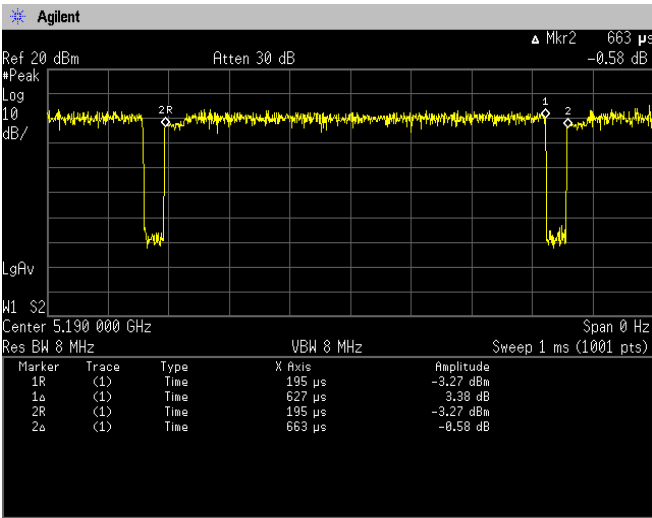


Channel: 116

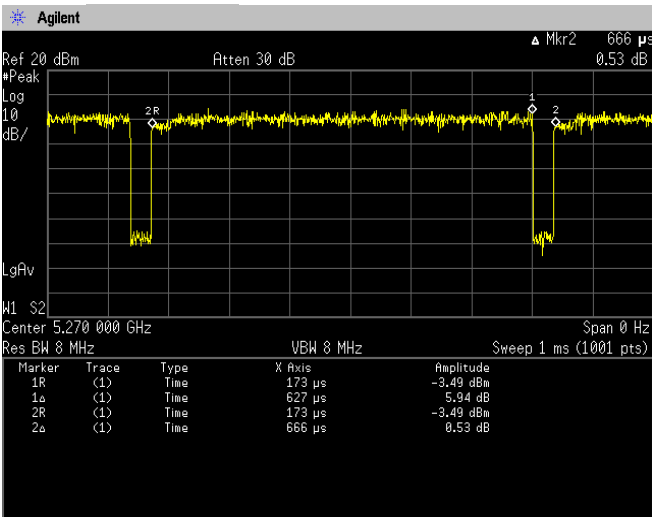


[IEEE802.11n (HT40)]

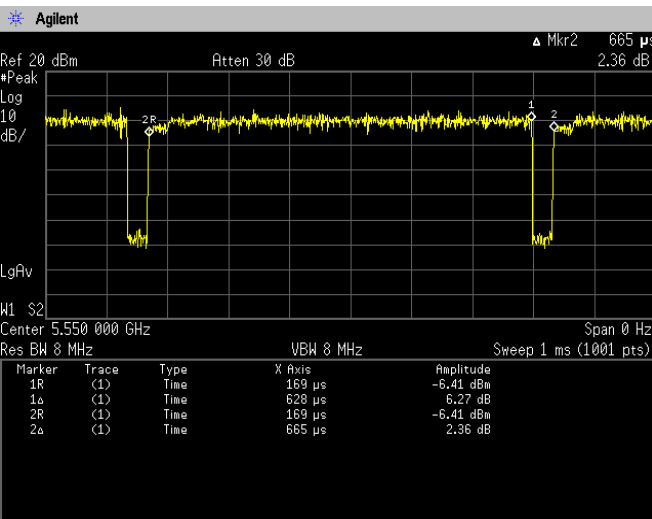
Channel: 38



Channel: 54



Channel: 110

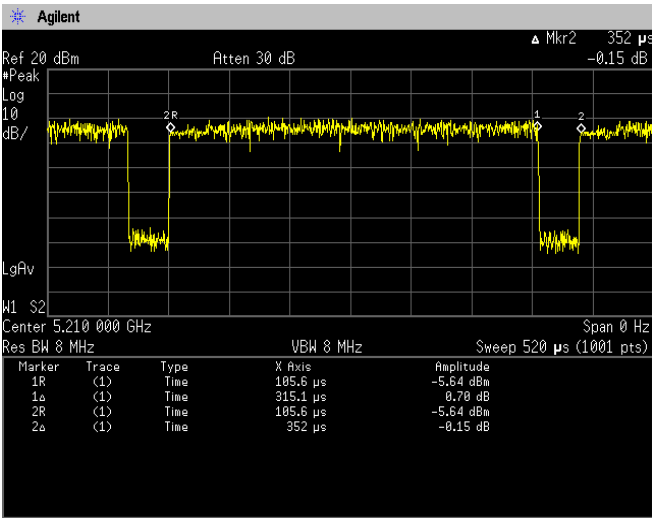




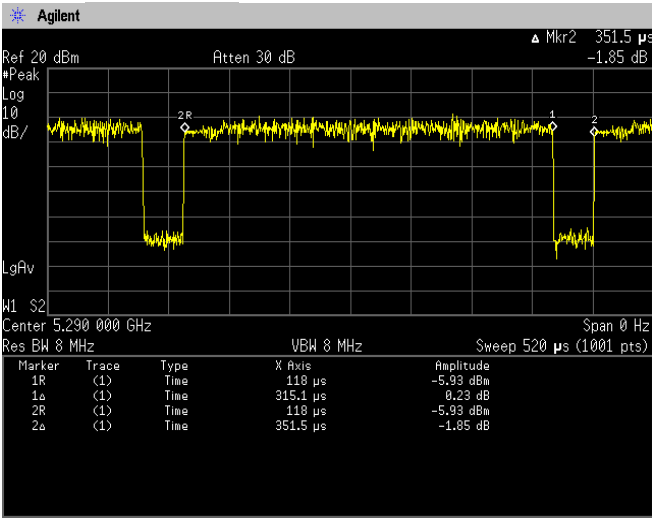
Japan

[IEEE802.11ac (HT80)]

Channel: 42

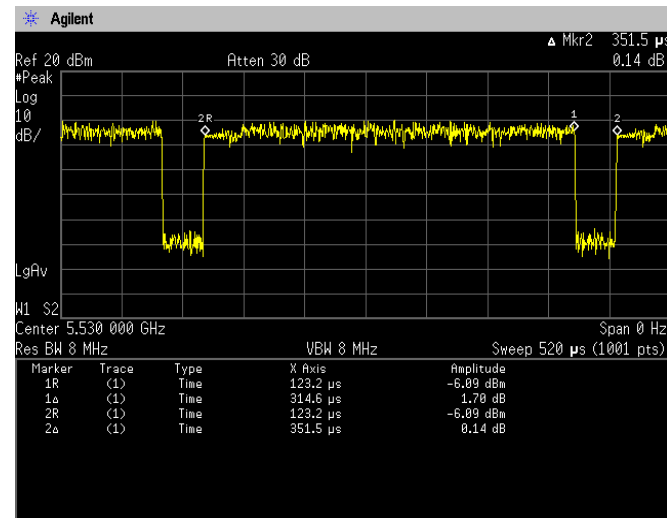


Channel: 58

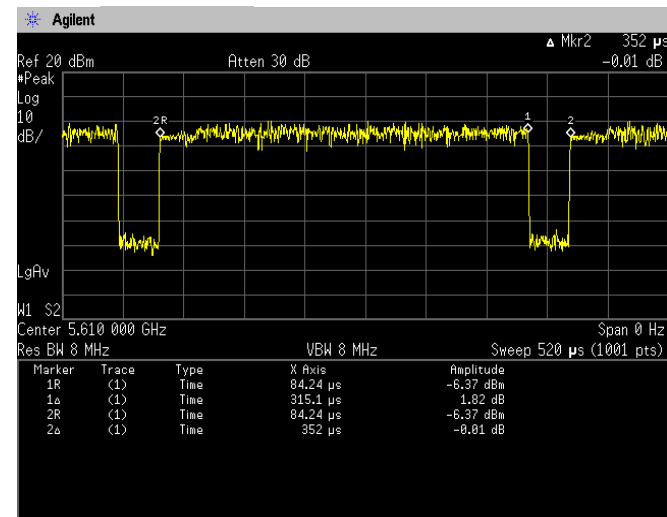


[IEEE802.11ac (HT80)]

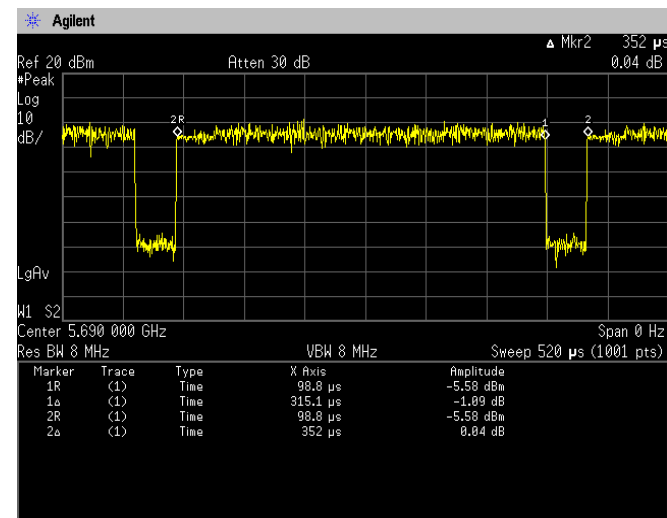
Channel: 106



Channel: 122



Channel: 138





Japan

5 Antenna requirement

According to FCC section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that 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

Expanded uncertainties stated are calculated with a coverage Factor $k=2$.
Please note that these results are not taken into account when measurement uncertainty considerations contained in ETSI TR 100 028 Parts 1 and 2 determining compliance or non-compliance with test result.

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 (9 kHz – 30 MHz)	± 3.7 dB
Radiated emission (30 MHz – 1000 MHz)	± 5.3 dB
Radiated emission (1 GHz – 6 GHz)	± 4.8 dB
Radiated emission (6 GHz – 18 GHz)	± 4.5 dB
Radiated emission (18 GHz – 40 GHz)	± 6.4 dB
Radio Frequency	$\pm 1.4 \cdot 10^{-8}$
RF power, conducted	± 0.8 dB
Adjacent channel power	± 2.4 dB
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.	Case1
	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.	Case2
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.	Case3
	Standard limit value +Uncertainty -Uncertainty Measured value Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.	Case4

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

VLAC

Accreditation No.: VLAC-013

BSMI

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

Innovation, Science and Economic Development Canada

ISED#: 4224A

VCCI Council

Registration number: A-0166

Appendix A. Test Equipment

Antenna port conducted test

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
Spectrum analyzer	Agilent Technologies	E4440A	US44302655	31-Aug-2021	20-Aug-2020
				30-Sep-2022	20-Sep-2021
Attenuator	Weinschel	56-10	J4993	31-Dec-2021	14-Dec-2020
Power meter	ROHDE&SCHWARZ	NRP2	103269	31-Mar-2022	10-Mar-2021
Power sensor	ROHDE&SCHWARZ	NRP-Z81	102467	31-Mar-2022	10-Mar-2021

Radiated emission

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2021	28-Sep-2020
Spectrum analyzer	Agilent Technologies	E4447A	MY46180188	31-Mar-2022	11-Mar-2021
Spectrum analyzer	Agilent Technologies	E4440A	US40420937	31-Dec-2021	11-Dec-2020
Spectrum analyzer	ROHDE&SCHWARZ	FSV40	101731	30-Jun-2022	08-Jun-2021
Preamplifier	SONOMA	310	372170	30-Sep-2021	29-Sep-2020
Loop antenna	ROHDE&SCHWARZ	HFH2-Z2	100515	30-Apr-2022	27-Apr-2021
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1333	31-Dec-2021	15-Dec-2020
Log periodic antenna	Schwarzbeck	VUSLP9111B	345	31-Oct-2021	19-Oct-2020
Attenuator	TOYO Connector	NA-PJ-6/6dB	N/A(S541)	30-Sep-2021	29-Sep-2020
Attenuator	TAMAGAWA.ELEC	CFA-10/3dB	N/A(S503)	31-Jul-2022	20-Jul-2021
Preamplifier	TSJ	MLA-100M18-B02-40	1929118	31-Dec-2021	15-Dec-2020
Attenuator	AEROFLEX	26A-10	081217-08	31-Dec-2021	14-Dec-2020
Double ridged guide antenna	ETS LINDGREN	3117	00052315	31-Mar-2022	30-Mar-2021
Attenuator	HUBER+SUHNER	6803.17.B	N/A(2340)	31-Dec-2021	15-Dec-2020
Double ridged guide antenna	A.H.Systems Inc.	SAS-574	469	30-Sep-2021	02-Sep-2020
Preamplifier	TSJ	MLA-1840-B03-35	1240332	30-Sep-2021	02-Sep-2020
Band rejection filter	Micro-Tronics	BRC50702	G433	30-Sep-2021	29-Sep-2020
Microwave cable	HUBER+SUHNER	SUCOFLEX104/9m	MY30037/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/1m	my24610/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/8m	SN MY30033/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104	MY32976/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/1.5m	SN MY28404/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/7m	41625/6	31-Dec-2021	15-Dec-2020
PC	DELL	DIMENSION E521	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/RE-AJ	0611193/V6.0.140	N/A	N/A
Absorber	RIKEN	PFP30	N/A	N/A	N/A
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-NSA)	31-May-2022	20-May-2021
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-SVSWR)	31-May-2022	20-May-2021

Conducted emission at mains port

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2021	28-Sep-2020
Attenuator	HUBER+SUHNER	6810.01.A	N/A (S411)	31-Dec-2021	15-Dec-2020
Line impedance stabilization network	Kyoritsu Electrical Works, Ltd.	TNW-407F2	12-17-110-2	30-Jun-2022	17-Jun-2021
Coaxial cable	FUJIKURA	5D-2W/4m	N/A (S350)	31-Dec-2021	15-Dec-2020
Coaxial cable	FUJIKURA	5D-2W/1m	N/A (S193)	31-Dec-2021	15-Dec-2020
Coaxial cable	HUBER+SUHNER	RG214/U/10m	N/A (S194)	31-Dec-2021	15-Dec-2020
PC	DELL	DIMENSION	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/CE-AJ	0611193/V5.4.11	N/A	N/A

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