



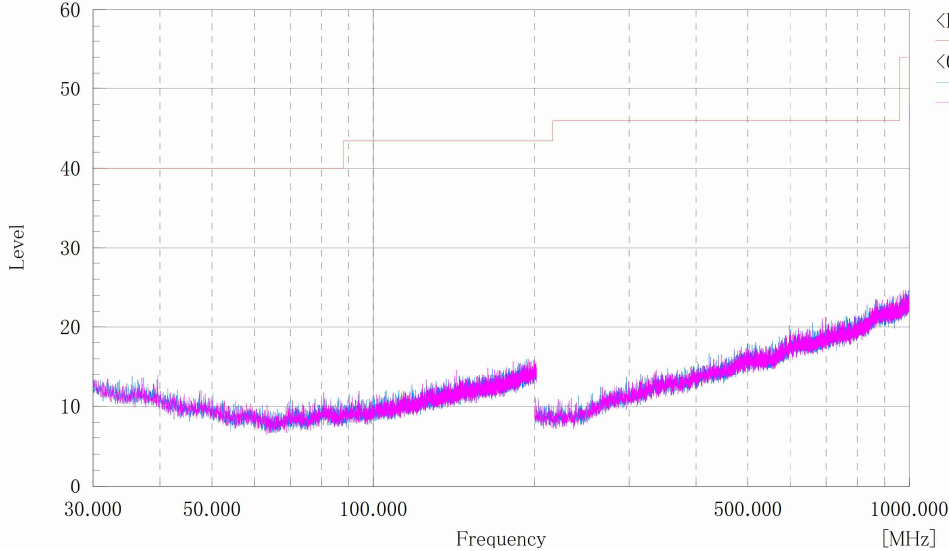
Japan

[11ac(HT80)]
W52
BELOW 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W52_11ac(HT80)_Tx

Standard : FCC Part.15 subpartE
Operator : T.Watanabe
Temp,Hum,Atm : 25.3[°C] 35.5[%]
Note1 : Ch:42_5210MHz
Note2 :

[dB(μV/m)]



Final Result

No.	Frequency (P)	c.f	Height	Angle
	[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.

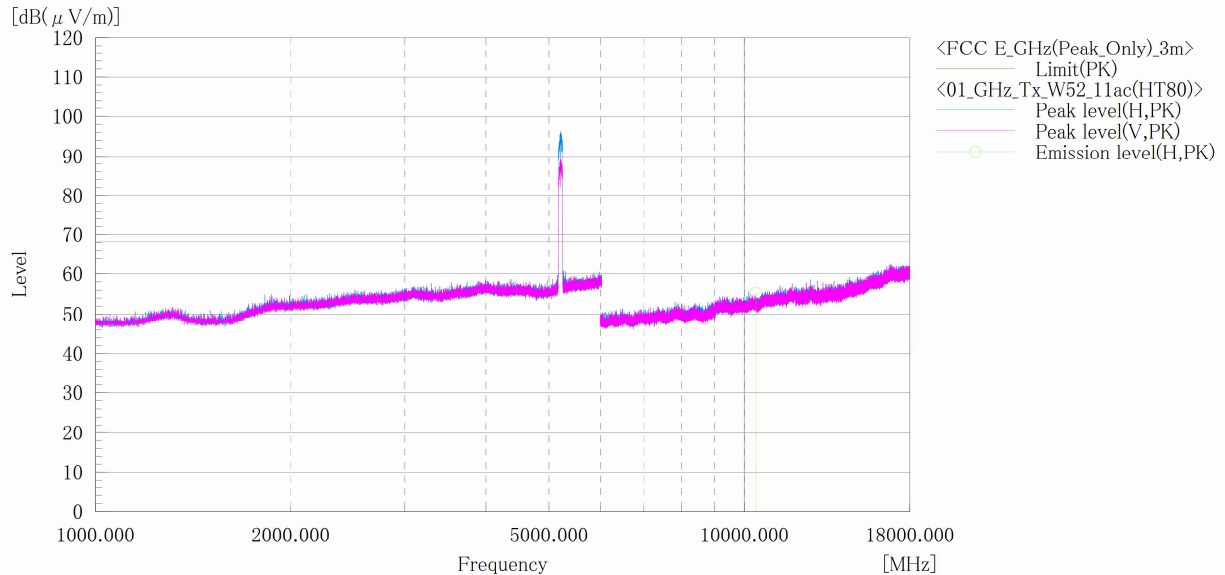


Japan

[11ac(HT80)]
W52
ABOVE 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W52_11ac(HT80)_Tx

Standard : FCC Part.15 subpart C
Operator : T.Watanabe
Temp,Hum,Atm : 25.3[°C] 35.5[%]
Note1 : ch:42_5210MHz
Note2 :



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	44.6	10.7	55.3	68.2	12.9	132.0	36.0	

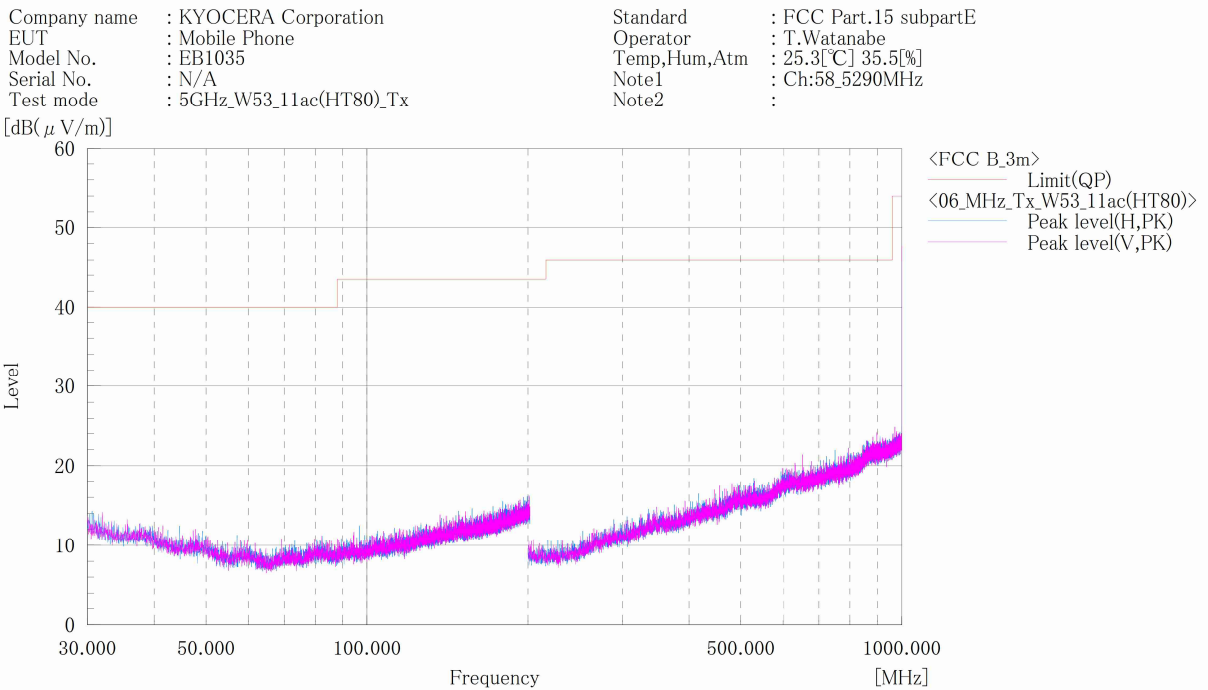
Note:

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(HT80)]
W53
BELOW 1GHz



Final Result

No.	Frequency (P)	c.f	Height	Angle
	[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.

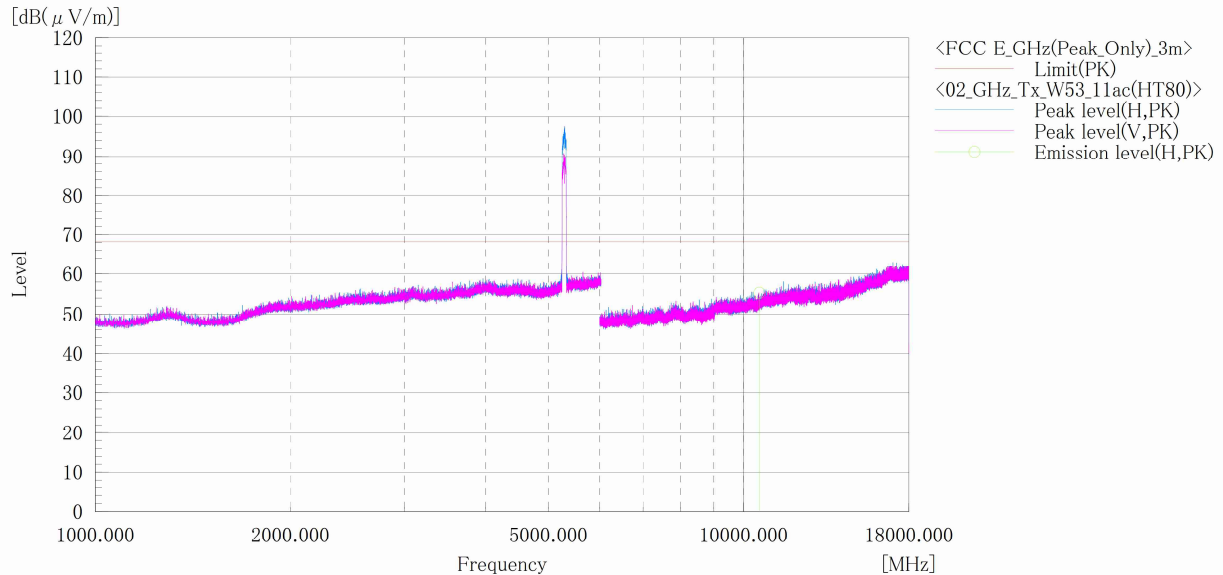


Japan

[11ac(HT80)]
W53
ABOVE 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W53_11ac(HT80)_Tx

Standard : FCC Part.15 subpart C
Operator : T.Watanabe
Temp,Hum,Atm : 25.3[°C] 35.5[%]
Note1 : ch:58_5290MHz
Note2 :



Final Result

No.	Frequency	(P)	Reading	c. f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		PK [dB(μV)]	[dB(1/m)]	PK [dB(μV/m)]	PK [dB(μV/m)]	PK [dB]	[cm]	[°]	
1	10580.000	H	44.3	11.0	55.3	68.2	12.9	135.0	200.0	

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.



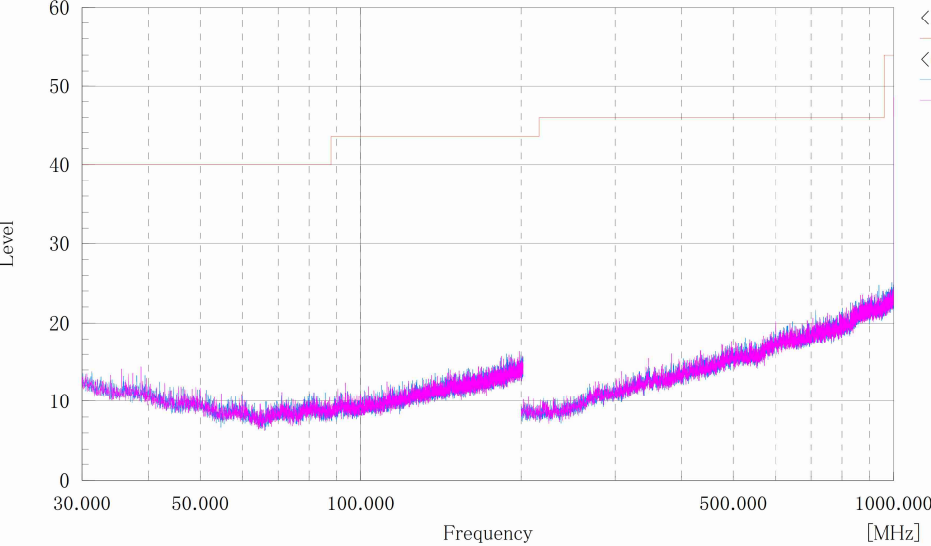
Japan

[11ac(HT80)]
W56 / Channel Low
BELOW 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W56_11ac(HT80)_Tx

Standard : FCC Part.15 subpartE
Operator : T.Watanabe
Temp,Hum,Atm : 25.3[°C] 35.5[%]
Note1 : Ch:106_5530MHz
Note2 :

[dB(μV/m)]



Final Result

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

Note:

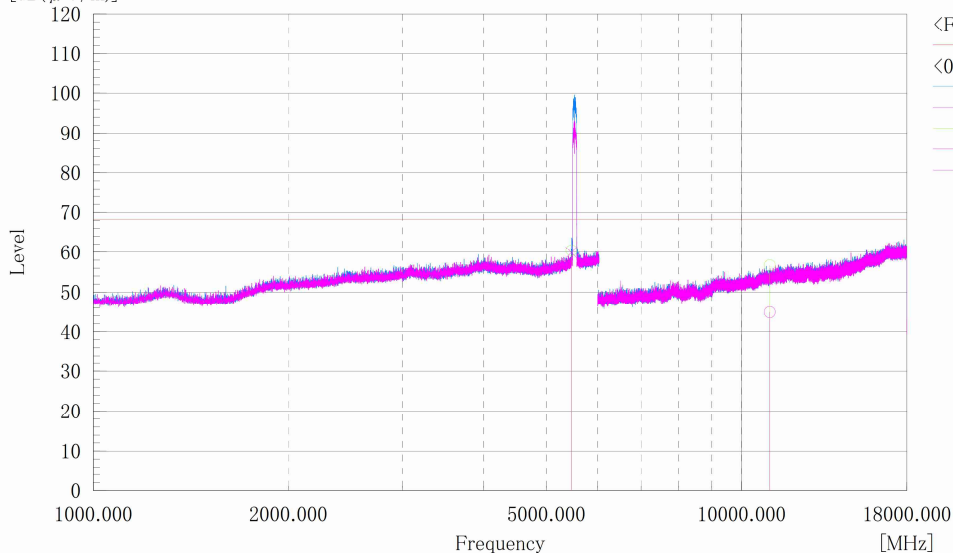
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11ac(HT80)]
W56 / Channel Low
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1035
 Serial No. : N/A
 Test mode : 5GHz W56 11ac(HT80) Tx

Standard : FCC Part.15 subpart E
 Operator : T.Watanabe
 Temp,Hum,Atm : 25.3[°C] 35.5[%]
 Note1 : ch:106_5530MHz
 Note2 :

[dB(μV/m)]



<FCC E_GHz(Peak_Only)_3m>
 Limit(PK)
 <03_GHz_Tx_W56_11ac(HT80)_Low>
 Peak level(H,PK)
 Peak level(V,PK)
 Emission level(H,PK)
 妨害レベル(H,CAV)
 Emission level(V,PK)

Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result CAV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [°]	Remark
1	5468.000	H	49.2		11.3	60.5		68.2	7.7		146.0	351.0	
2	5461.700	V	48.6		11.3	59.9		68.2	8.3		102.0	210.0	
3	11060.000	H	44.8	33.0	11.9	56.7	44.9	68.2	11.5	-44.9	131.0	261.0	

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.

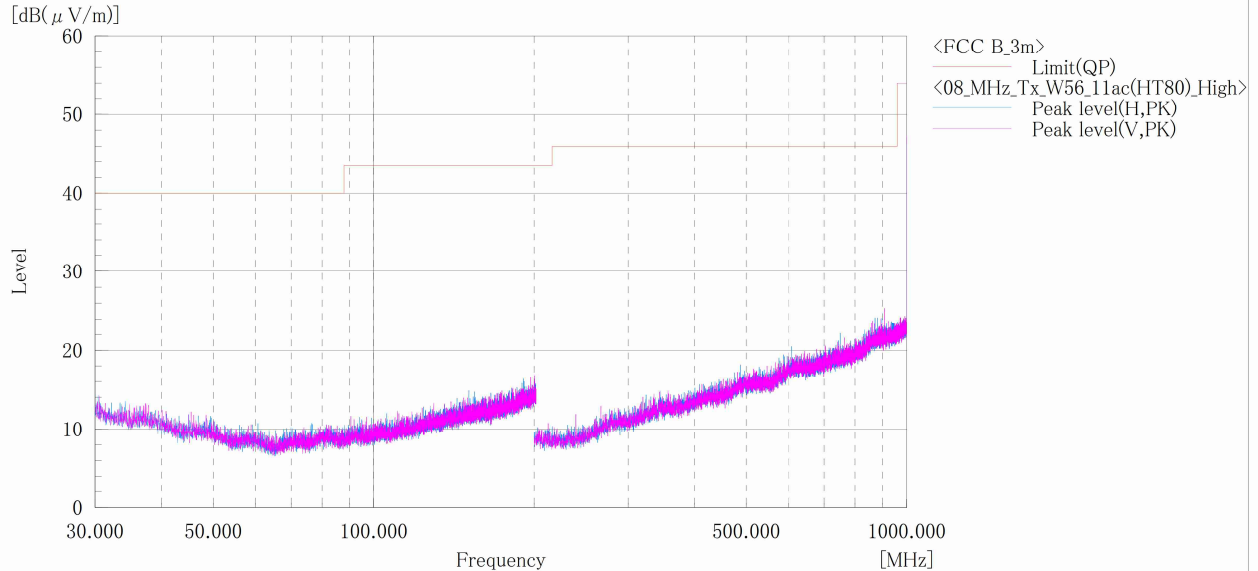


Japan

[11ac(HT80)]
W56 / Channel High
BELOW 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz W56 11ac(HT80) Tx

Standard : FCC Part.15 subpartE
Operator : T.Watanabe
Temp,Hum,Atm : 25.3[°C] 35.5[%]
Note1 : Ch:122_5610MHz
Note2 :



Final Result

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

Note:

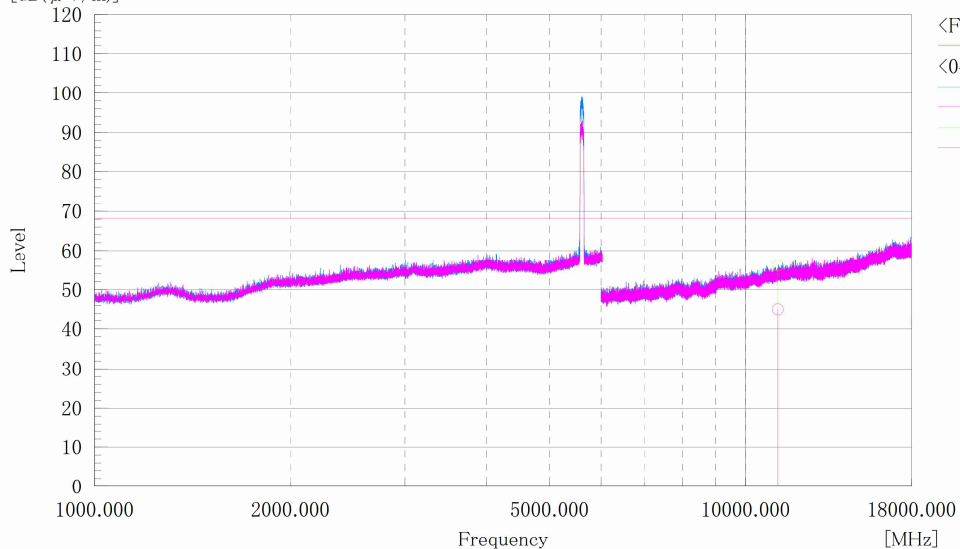
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11ac(HT80)]
W56 / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1035
 Serial No. : N/A
 Test mode : 5GHz_W56_11ac(HT80)_Tx

Standard : FCC Part.15 subpart E
 Operator : T.Watanabe
 Temp,Hum,Atm : 25.3[°C] 35.5[%]
 Note1 : ch:122_5610MHz
 Note2 :

[dB(μV/m)]



<FCC E_GHz(Peak_Only)_3m>
 Limit(PK)
 <04_GHz_Tx_W56_11ac(HT80)_High>
 Peak level(H,PK)
 Peak level(V,PK)
 Emission level(H,PK)
 妨害レベル(H,CAV)

Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result CAV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [°]	Remark
1	11220.000	H	44.1	33.1	12.0	56.1	45.1	74.0	17.9	8.9	134.0	147.0	

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.



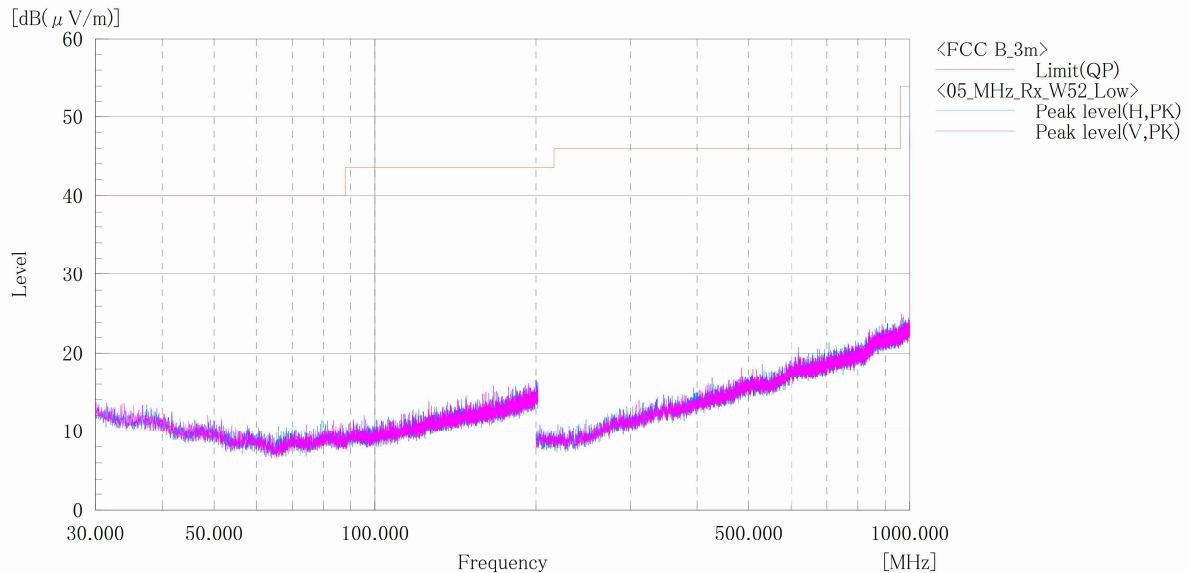
Japan

Receive mode

W52 / Channel Low
BELOW 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W52_Rx_Low

Standard : FCC Part.15 Subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 38.2[%]
Note1 : Ch:36_5180MHz
Note2 :



Final Result

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

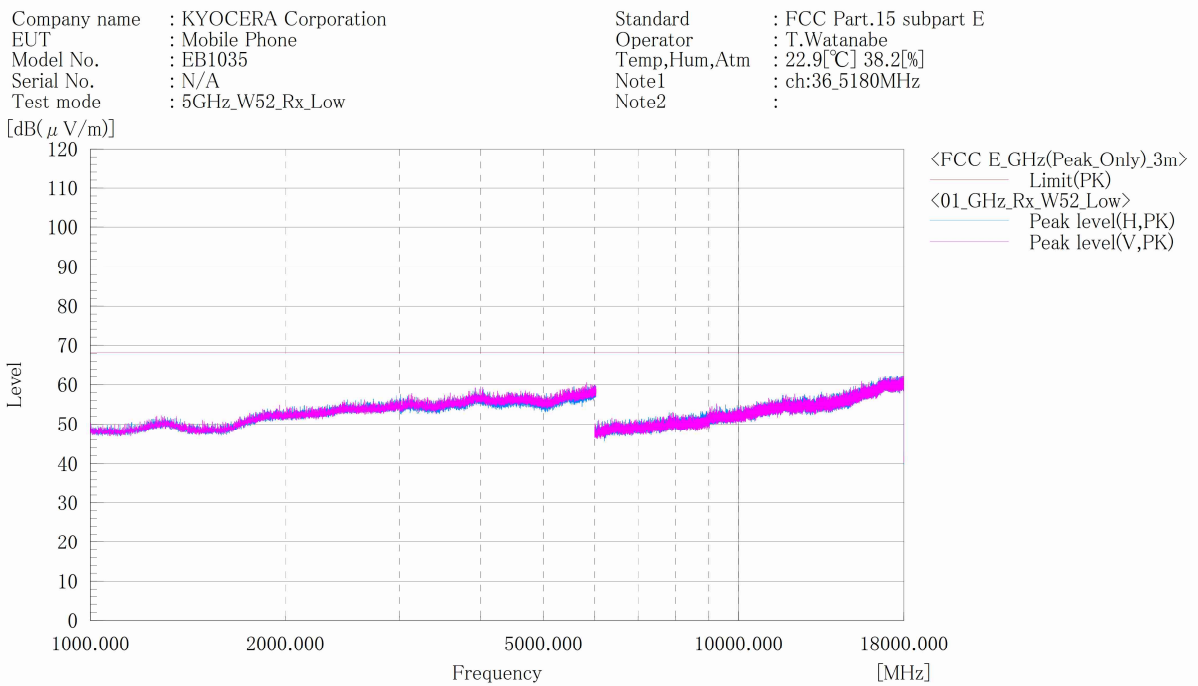
Note:

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

**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.



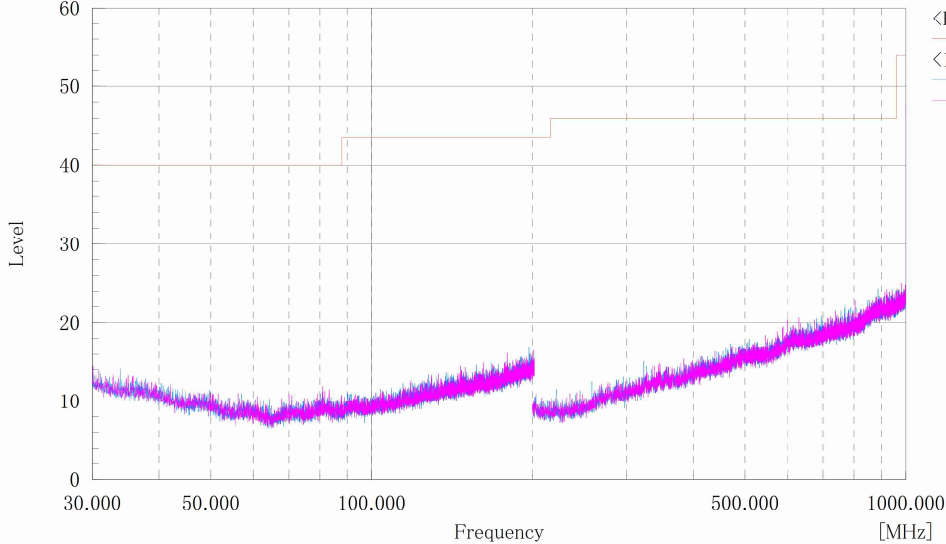
Japan

**W53 / Channel High
BELOW 1GHz**

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W53_Rx_High

Standard : FCC Part.15 Subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 34.2[%]
Note1 : Ch:64_5320MHz
Note2 :

[dB(μV/m)]



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.

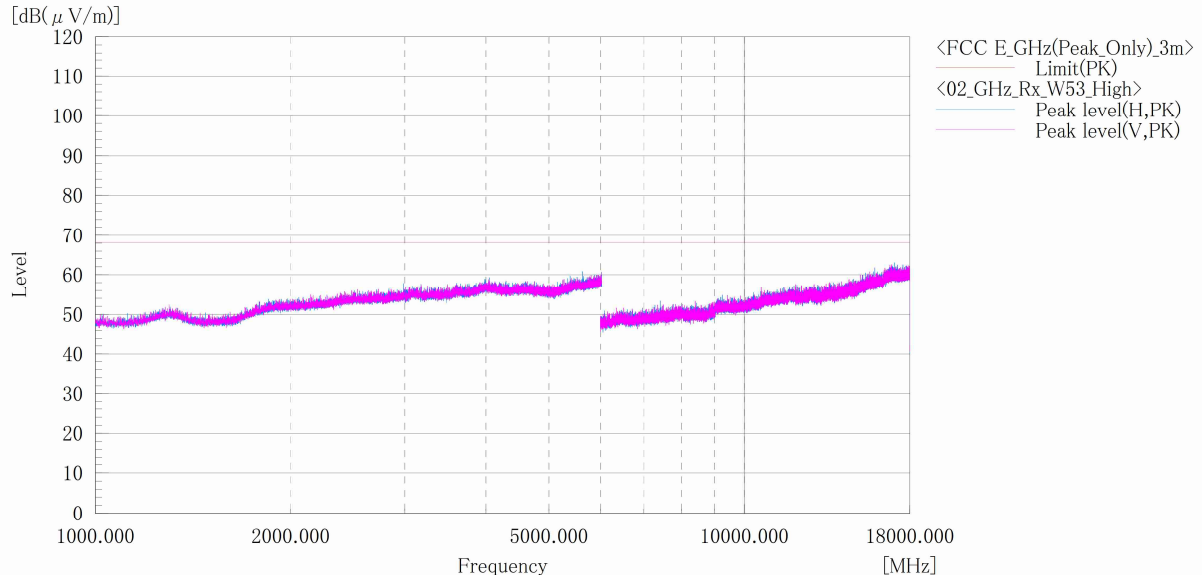


Japan

**W53 / Channel High
ABOVE 1GHz**

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W53_Rx_High

Standard : FCC Part.15 subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 38.2[%]
Note1 : ch:64_5320MHz
Note2 :



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.

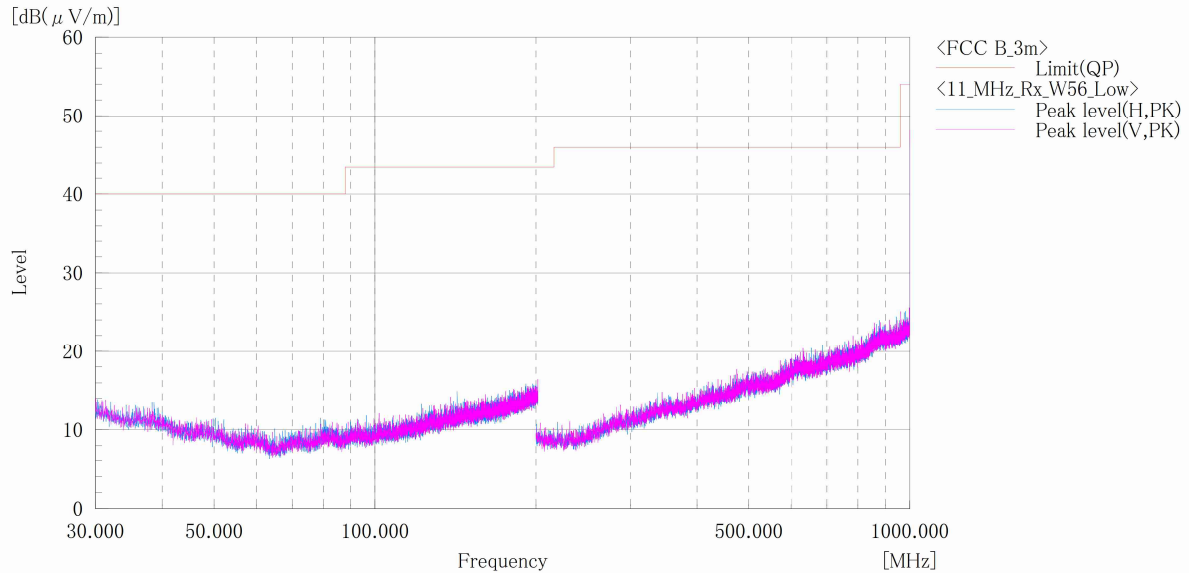


Japan

**W56 / Channel Low
BELOW 1GHz**

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W56_Rx_Low

Standard : FCC Part.15 Subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 34.2[%]
Note1 : Ch:100_5500MHz
Note2 :



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.

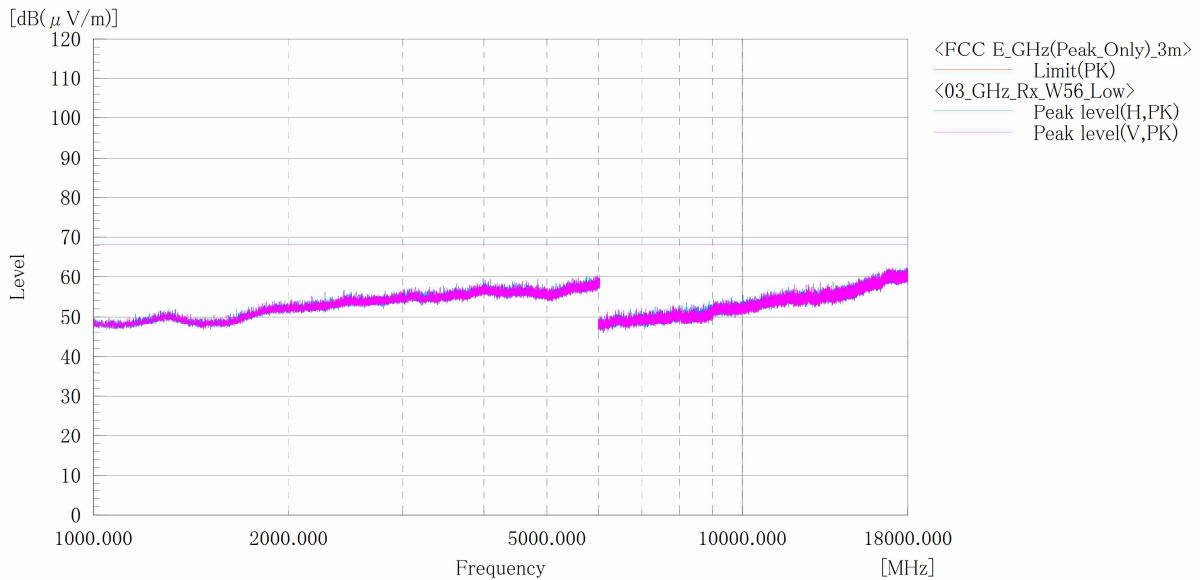


Japan

**W56 / Channel Low
ABOVE 1GHz**

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W56_Rx_Low

Standard : FCC Part.15 subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 38.2[%]
Note1 : ch:100_5500MHz
Note2 :



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.

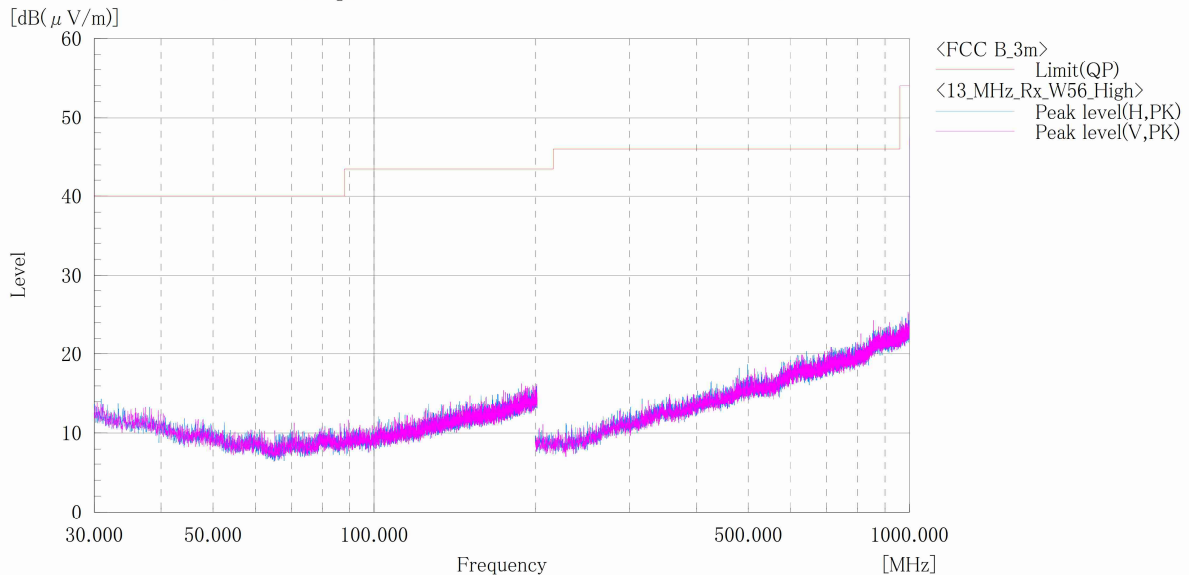


Japan

**W56 / Channel High
BELOW 1GHz**

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W56_Rx_High

Standard : FCC Part.15 Subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 34.2[%]
Note1 : Ch:140_5700MHz
Note2 :



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.

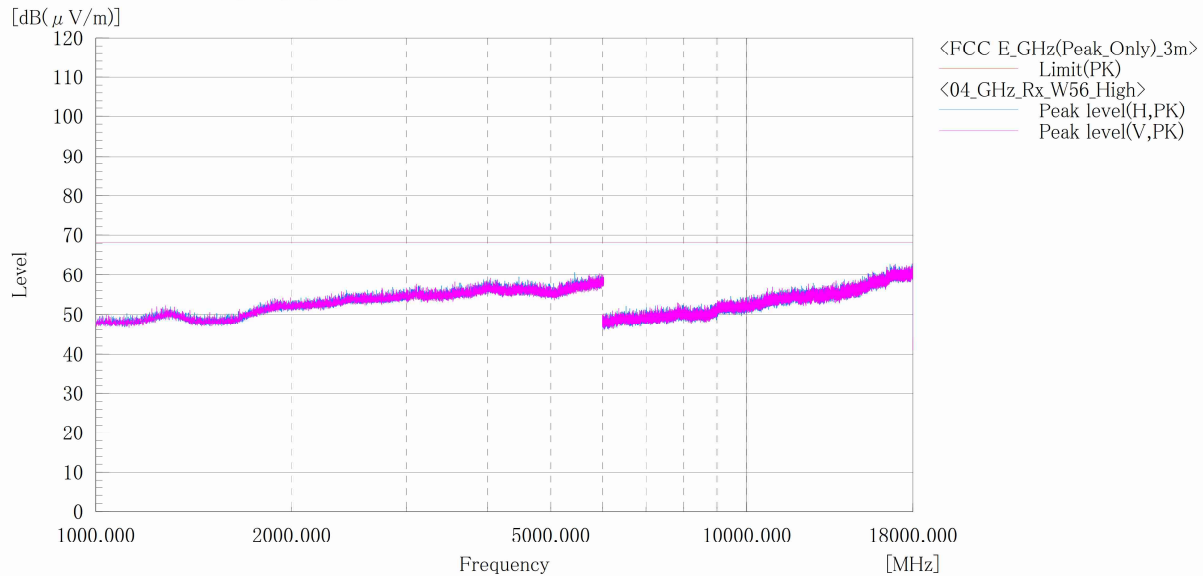


Japan

W56 / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
EUT : Mobile Phone
Model No. : EB1035
Serial No. : N/A
Test mode : 5GHz_W56_Rx_High

Standard : FCC Part.15 subpart E
Operator : T.Watanabe
Temp,Hum,Atm : 22.9[°C] 38.2[%]
Note1 : ch:140_5700MHz
Note2 :



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.

4.2 AC Power Line Conducted Emissions

4.2.1 Measurement procedure

[FCC 15.207]

Test was applied by following conditions.

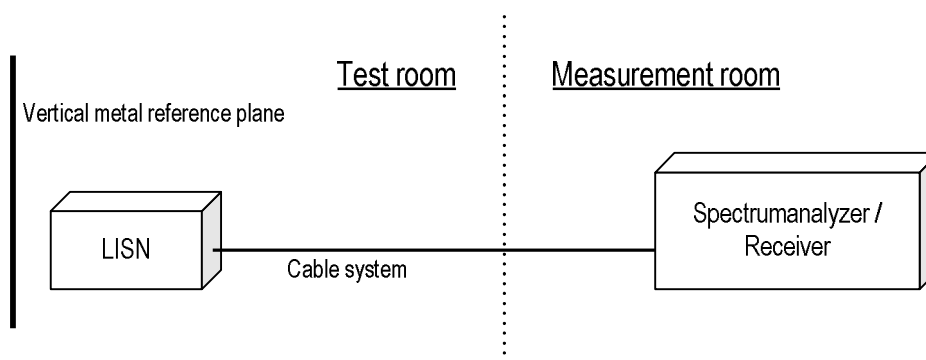
Test method	: ANSI C63.10
Frequency range	: 0.15 MHz to 30 MHz
Test place	: 3m Semi-anechoic chamber
EUT was placed on	: FRP table / (W) 2.0 × (D) 1.0 × (H) 0.8 m
Vertical Metal Reference Plane	: (W) 2.0 × (H) 2.0 m, 0.4 m away from EUT
Test receiver setting	
- Detector	: Quasi-peak, Average
- Bandwidth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



4.2.2 Calculation method

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

Margin = Limit – Emission level

4.2.3 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.

4.2.4 Test data

Date : 20-April-2020

Temperature : 20.7 [°C]

Humidity : 25.2 [%]

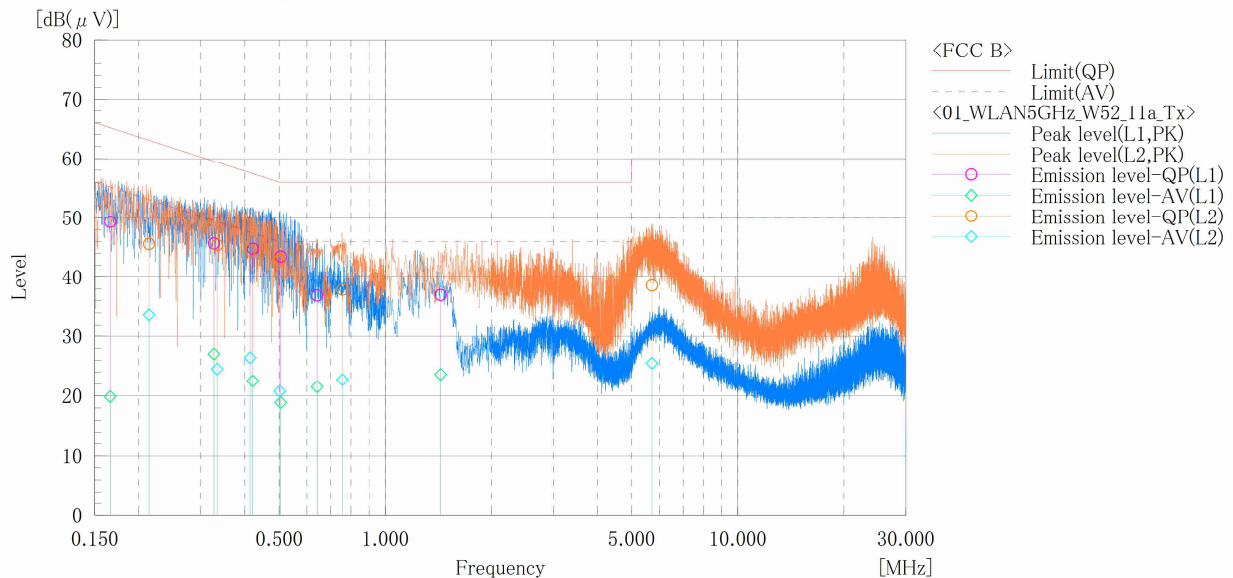
Test place : 3m Semi-anechoic chamber

Test engineer :

Kazunori Saito

Company Name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1035
 Serial No. : N/A
 Test mode : 5GHz_W52_11a_Tx

Standard : FCC Part.15 Subpart E
 Operator : K.Saito
 Temp,Hum,Atm : 20.7[°C] 25.2[%]
 Note1 :
 Note2 :



Final Result

--- L1 Phase ---

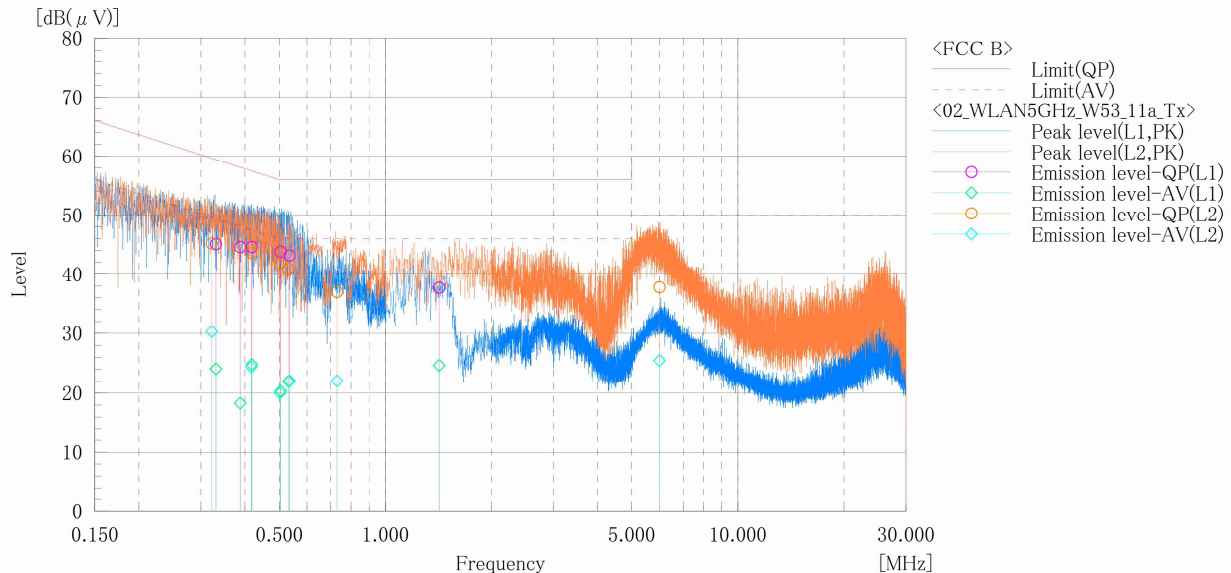
No.	Frequency	Reading QP	Reading AV	c. f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.166	38.8	9.4	10.5	49.3	19.9	65.2	55.2	15.9	35.3
2	0.327	35.3	16.6	10.4	45.7	27.0	59.5	49.5	13.8	22.5
3	0.421	34.4	12.1	10.4	44.8	22.5	57.4	47.4	12.6	24.9
4	0.506	33.1	8.5	10.4	43.5	18.9	56.0	46.0	12.5	27.1
5	0.641	26.5	11.1	10.4	36.9	21.5	56.0	46.0	19.1	24.5
6	1.436	26.6	13.2	10.4	37.0	23.6	56.0	46.0	19.0	22.4

--- L2 Phase ---

No.	Frequency	Reading QP	Reading AV	c. f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.214	35.2	23.3	10.4	45.6	33.7	63.0	53.0	17.4	19.3
2	0.334	35.0	14.1	10.4	45.4	24.5	59.4	49.4	14.0	24.9
3	0.414	34.1	16.0	10.4	44.5	26.4	57.6	47.6	13.1	21.2
4	0.502	32.5	10.4	10.4	42.9	20.8	56.0	46.0	13.1	25.2
5	0.757	27.5	12.3	10.4	37.9	22.7	56.0	46.0	18.1	23.3
6	5.714	27.9	14.8	10.7	38.6	25.5	60.0	50.0	21.4	24.5

Company Name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1035
 Serial No. : N/A
 Test mode : 5GHz_W53_11a_Tx

Standard : FCC Part.15 Subpart E
 Operator : K.Saito
 Temp,Hum,Atm : 20.7[°C] 25.2[%]
 Note1 :
 Note2 :



Final Result

--- L1 Phase ---

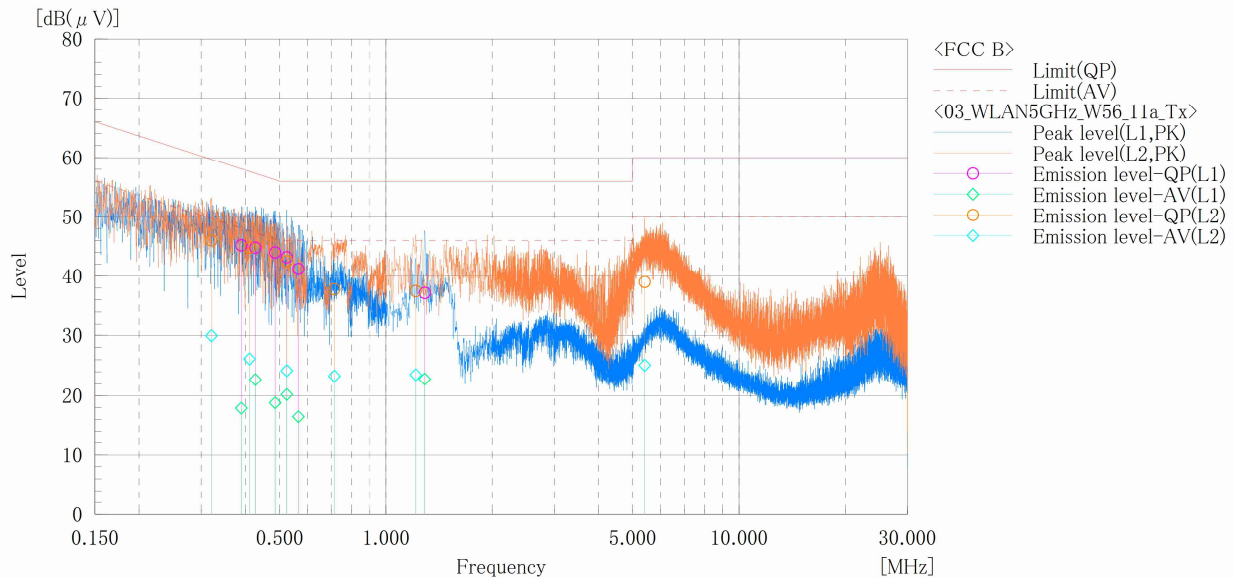
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.331	34.7	13.7	10.4	45.1	24.1	59.4	49.4	14.3	25.3
2	0.388	34.2	7.9	10.4	44.6	18.3	58.1	48.1	13.5	29.8
3	0.418	34.2	14.4	10.4	44.6	24.8	57.5	47.5	12.9	22.7
4	0.505	33.4	10.0	10.4	43.8	20.4	56.0	46.0	12.2	25.6
5	0.535	32.8	11.7	10.4	43.2	22.1	56.0	46.0	12.8	23.9
6	1.421	27.3	14.3	10.4	37.7	24.7	56.0	46.0	18.3	21.3

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.322	34.8	19.9	10.4	45.2	30.3	59.7	49.7	14.5	19.4
2	0.417	33.2	14.0	10.4	43.6	24.4	57.5	47.5	13.9	23.1
3	0.503	31.4	9.6	10.4	41.8	20.0	56.0	46.0	14.2	26.0
4	0.531	30.5	11.6	10.4	40.9	22.0	56.0	46.0	15.1	24.0
5	0.730	26.6	11.7	10.4	37.0	22.1	56.0	46.0	19.0	23.9
6	5.998	27.0	14.7	10.8	37.8	25.5	60.0	50.0	22.2	24.5

Company Name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1035
 Serial No. : N/A
 Test mode : 5GHz_W56_11a_Tx

Standard : FCC Part.15 Subpart E
 Operator : K.Saito
 Temp,Hum,Atm : 20.7[°C] 25.2[%]
 Note1 :
 Note2 :



Final Result

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.390	34.8	7.5	10.4	45.2	17.9	58.1	48.1	12.9	30.2
2	0.427	34.4	12.3	10.4	44.8	22.7	57.3	47.3	12.5	24.6
3	0.486	33.6	8.4	10.4	44.0	18.8	56.2	46.2	12.2	27.4
4	0.524	32.8	9.8	10.4	43.2	20.2	56.0	46.0	12.8	25.8
5	0.566	30.8	6.1	10.4	41.2	16.5	56.0	46.0	14.8	29.5
6	1.288	26.8	12.4	10.4	37.2	22.8	56.0	46.0	18.8	23.2

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.321	35.6	19.5	10.4	46.0	29.9	59.7	49.7	13.7	19.8
2	0.411	34.4	15.7	10.4	44.8	26.1	57.6	47.6	12.8	21.5
3	0.524	32.1	13.8	10.4	42.5	24.2	56.0	46.0	13.5	21.8
4	0.715	27.4	12.9	10.4	37.8	23.3	56.0	46.0	18.2	22.7
5	1.215	27.1	13.1	10.4	37.5	23.5	56.0	46.0	18.5	22.5
6	5.410	28.3	14.4	10.7	39.0	25.1	60.0	50.0	21.0	24.9

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)	± 3.8 dB
Conducted emission, AMN (150 kHz – 30 MHz)	± 3.4 dB
Radiated emission (9kHz – 30 MHz)	± 3.9 dB
Radiated emission (30 MHz – 1000 MHz)	± 4.9 dB
Radiated emission (1 GHz – 6 GHz)	± 4.6 dB
Radiated emission (6 GHz – 18 GHz)	± 4.9 dB
Radiated emission (18 GHz – 40 GHz)	± 5.8 dB
Radio Frequency	$\pm 1.4 \cdot 10^{-8}$
RF power, conducted	± 0.6 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.	
	Standard limit value +Uncertainty -Uncertainty Measured value Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.	
FAIL	Standard limit value +Uncertainty -Uncertainty Measured value Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.	
	Standard limit value +Uncertainty -Uncertainty Measured value Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.	

7 Laboratory Information

Testing was performed and the report was issued at:

TÜV SÜD Japan Ltd. Yonezawa Testing Center

Address: 5-4149-7 Hachimanpara, Yonezawa-shi, Yamagata, 992-1128 Japan
Phone: +81-238-28-2881
Fax: +81-238-28-2888

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	Expiration date
A-0166	03-July-2021

Appendix A. Test Equipment

Radiated emission

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2020	25-Sep-2019
Spectrum analyzer	Agilent Technologies	E4447A	MY46180188	31-Mar-2021	27-Mar-2020
Spectrum analyzer	Agilent Technologies	E4440A	US40420937	30-Sep-2020	26-Sep-2019
Preamplifier	SONOMA	310	372170	30-Sep-2020	26-Sep-2019
Loop antenna	ROHDE&SCHWARZ	HFH2-Z2	892246/010	31-May-2020	21-May-2019
Loop antenna	ROHDE&SCHWARZ	HFH2-Z2	100515	30-Apr-2021	15-Apr-2020
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1344	31-Dec-2020	04-Dec-2019
Log periodic antenna	Schwarzbeck	VUSLP9111B	345	31-Aug-2020	27-Aug-2019
Attenuator	TAMAGAWA.ELEC	CFA-01/6dB	N/A(S465)	31-May-2020	17-May-2019
Attenuator	TAMAGAWA.ELEC	CFA-10/3dB	N/A(S503)	31-Jul-2020	17-Jul-2019
Preamplifier	TSJ	MLA-100M18-B02-40	1929118	31-Jan-2021	08-Jan-2020
Attenuator	AEROFLEX	26A-10	081217-08	31-Jan-2021	10-Jan-2020
Double ridged guide antenna	ETS LINDGREN	3117	00209352	31-Dec-2020	16-Dec-2019
Double ridged guide antenna	ETS LINDGREN	3117	00052315	30-Apr-2021	08-Apr-2020
Attenuator	HUBER+SUHNER	6803.17.B	N/A(2341)	31-Dec-2020	18-Dec-2019
Double ridged guide antenna	A.H.Systems Inc.	SAS-574	469	31-Aug-2020	28-Aug-2019
Preamplifier	TSJ	MLA-1840-B03-35	1240332	31-Aug-2020	28-Aug-2019
High Pass Filter	Wainwright	WHKX2.8/18G-6SS	1	31-Jul-2020	18-Jul-2019
Band rejection filter	Micro-Tronics	BRC50720	014	31-Dec-2020	18-Dec-2019
Signal generator	ROHDE&SCHWARZ	SMB100A	177525	31-Jul-2020	18-Jul-2019
RF power amplifier	R&K	CGA020M602-2633R	B40240	31-May-2020	16-May-2019
Microwave cable	HUBER+SUHNER	SUCOFLEX102/2m	31648	31-Mar-2021	26-Mar-2020
Dipole antenna	Schwarzbeck	VHAP	1021	31-Aug-2020	15-Aug-2019
Dipole antenna	Schwarzbeck	UHAP	993	31-Aug-2020	15-Aug-2019
Double ridged guide antenna	ETS LINDGREN	3117	00218815	31-Dec-2020	16-Dec-2019
Wideband Radio Frequency Tester	ROHDE&SCHWARZ	CMW500	126079	30-Nov-2020	14-Nov-2019
Wideband Radio Frequency Tester	ROHDE&SCHWARZ	CMW500	116338	31-Aug-2020	27-Aug-2019
Microwave cable	HUBER+SUHNER	SUCOFLEX104/9m	MY30037/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/1m	my24610/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/8m	SN MY30031/4	31-Jan-2021	09-Jan-2020
		SUCOFLEX104	MY32976/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/1.5m	MY19309/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/7m	41625/6	31-Jan-2021	08-Jan-2020
PC	DELL	DIMENSION E521	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/RE-AJ	0611193/V5.6.0	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-2020	14-May-2019
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-SVSWR)	31-May-2020	13-May-2019

Conducted emission at mains port

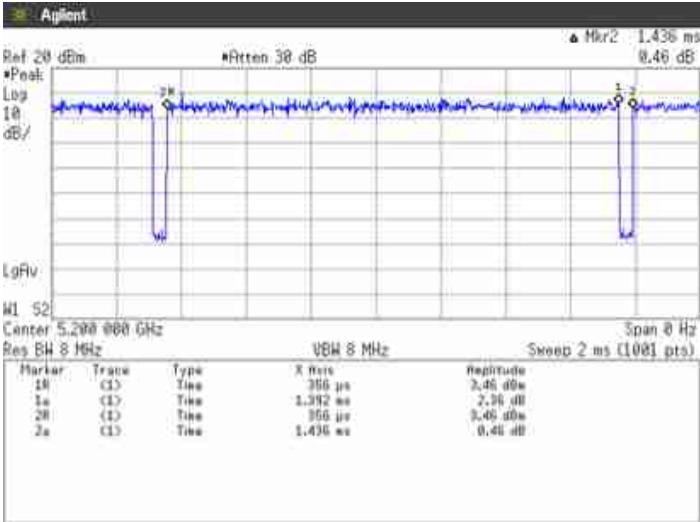
Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2020	25-Sep-2019
Attenuator	HUBER+SUHNER	6810.01.A	N/A (S411)	31-Jan-2021	08-Jan-2020
Line impedance stabilization network	Kyoritsu Electrical Works, Ltd.	TNW-407F2	12-17-110-2	31-May-2020	16-May-2019
Coaxial cable	FUJIKURA	5D-2W/4m	N/A (S350)	31-Jan-2021	08-Jan-2020
Coaxial cable	FUJIKURA	5D-2W/1m	N/A (S193)	31-Jan-2021	08-Jan-2020
Coaxial cable	HUBER+SUHNER	RG214/U/10m	N/A (S194)	31-Jan-2021	08-Jan-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.

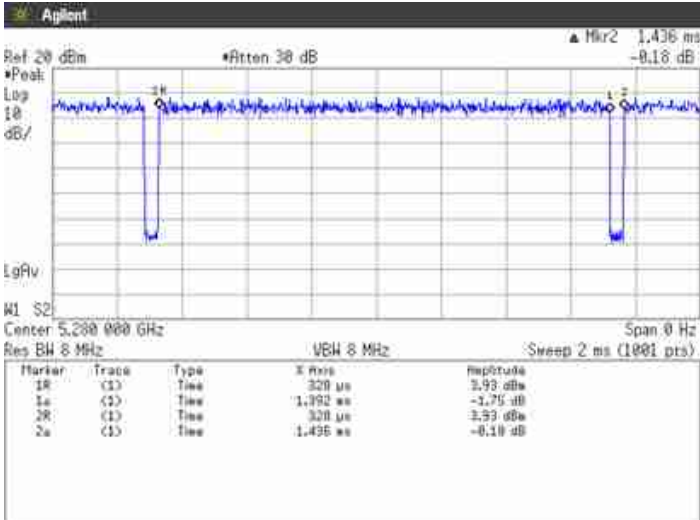
Appendix B. Duty Cycle

[Plot & Calculation]
[IEEE802.11a]

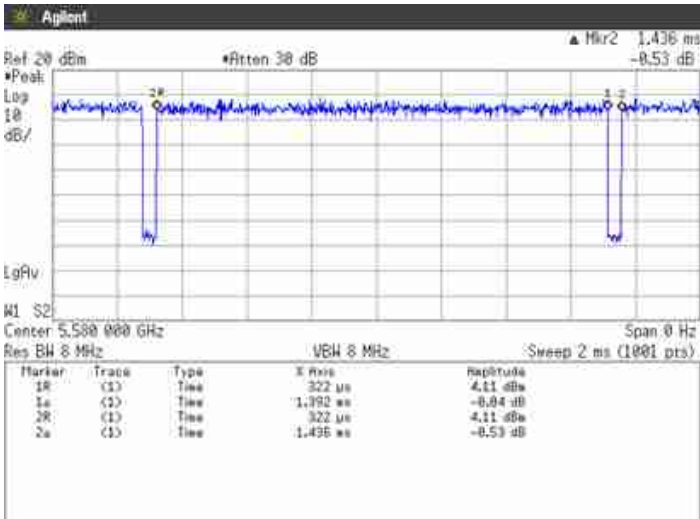
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Channel: 56

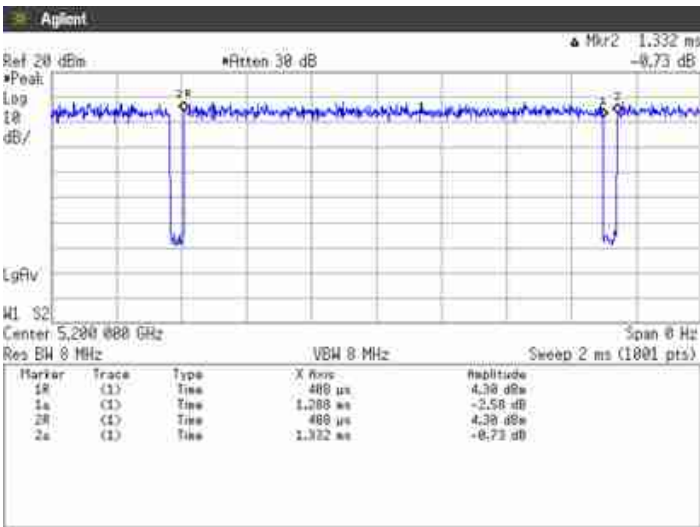


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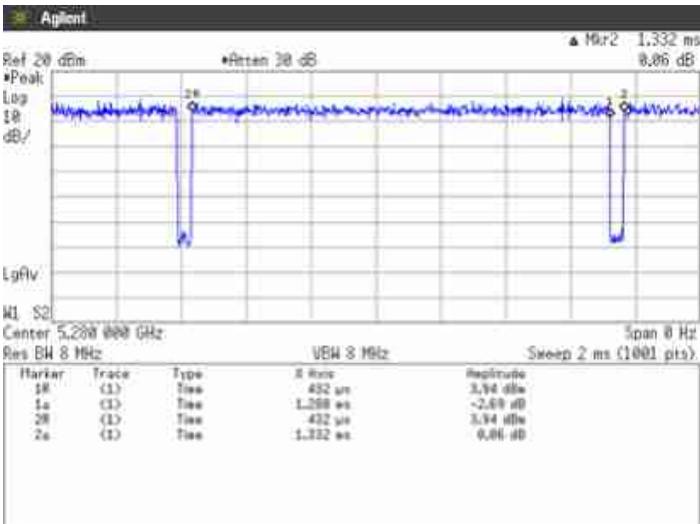


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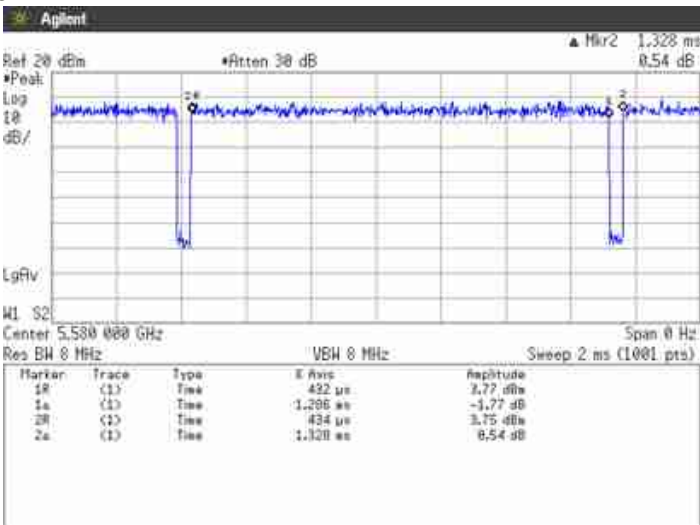
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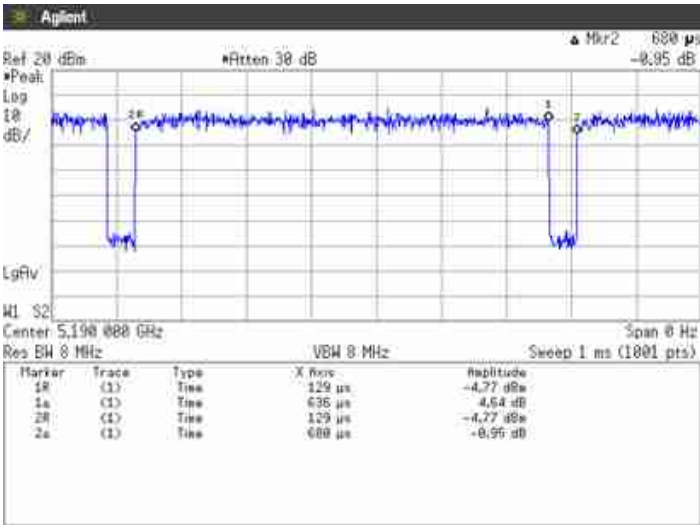


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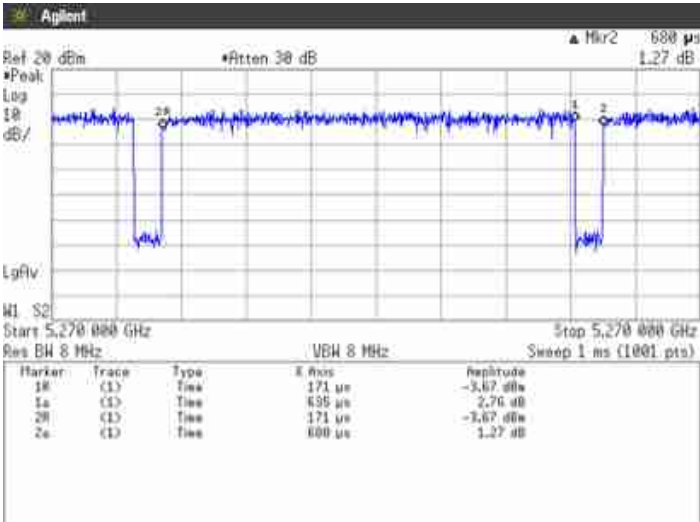


[IEEE802.11n (HT40)]

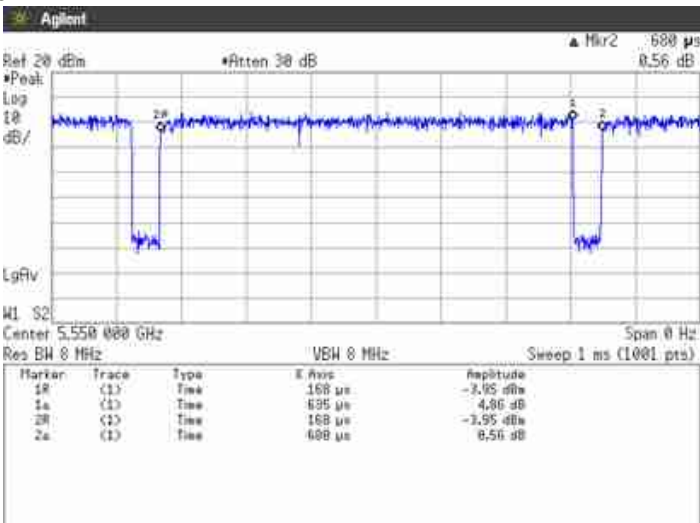
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Channel: 54



Channel: 110

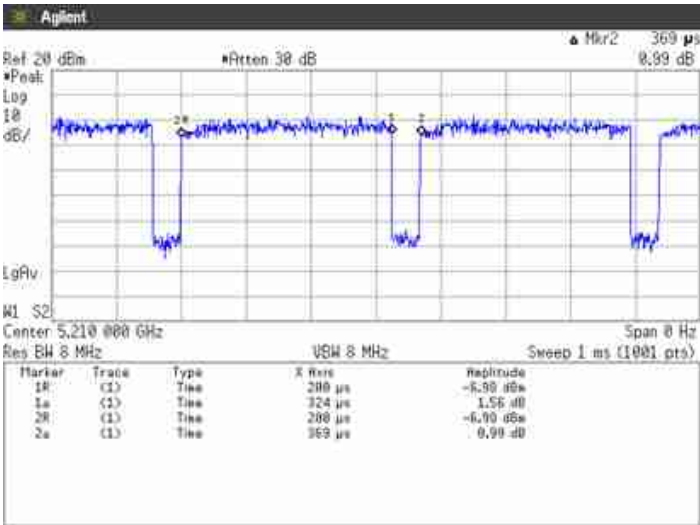




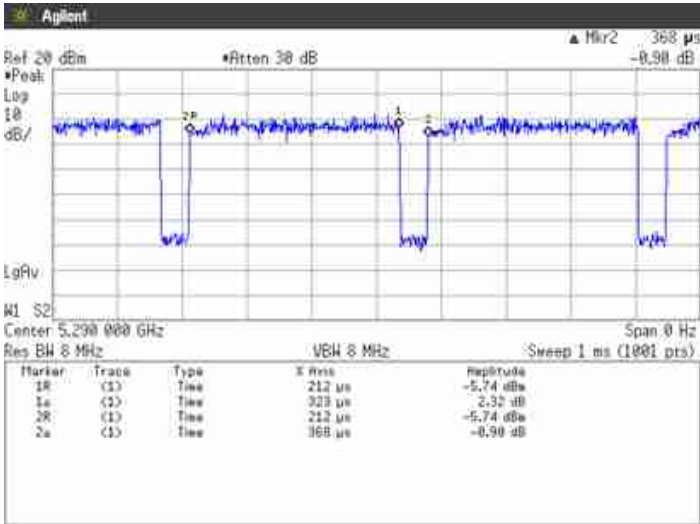
Japan

[IEEE802.11ac (HT80)]

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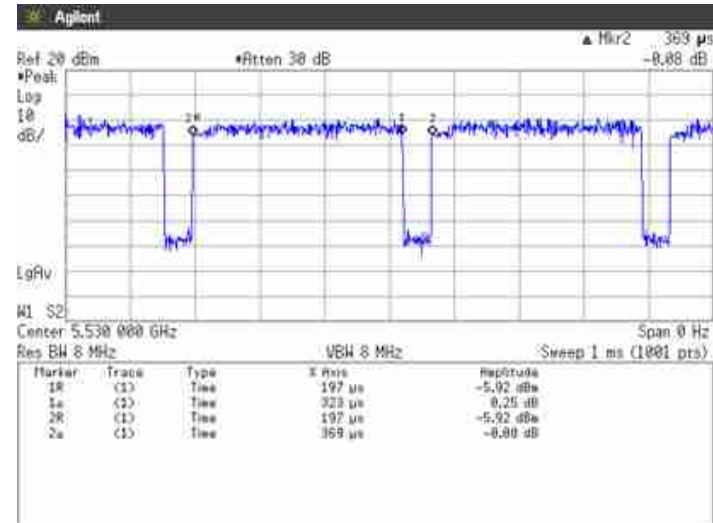


Channel: 58



[IEEE802.11ac (HT80)]

Channel: 106



Channel: 122

