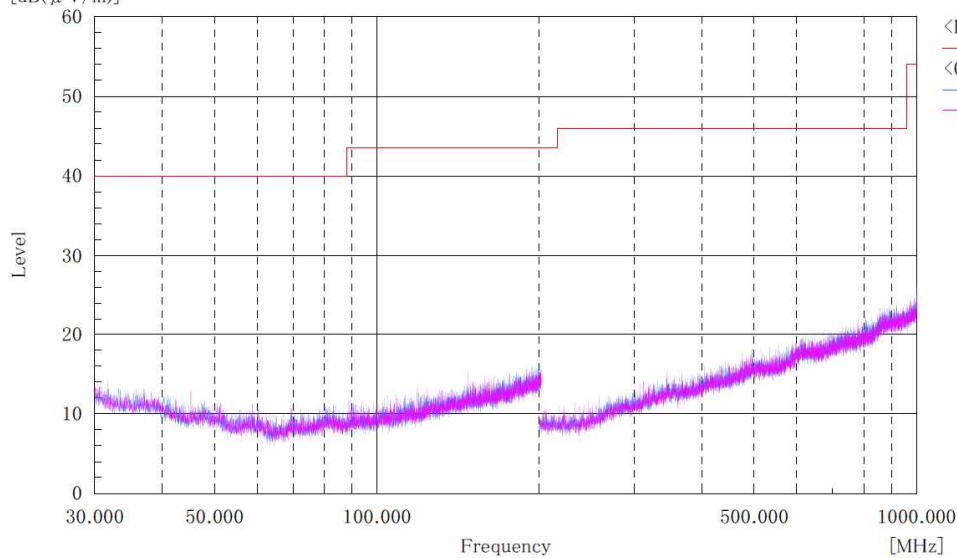


**[11ac(VHT80)]**  
**W52**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W52\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpartE  
 Operator : K.Saito  
 Temp,Hum,Atm : 20.8[°C] 59.2[%]  
 Note1 : Ch:42\_5210MHz  
 Note2 :

[dB( $\mu$  V/m)]

<FCC B.3m>  
 Limit(QP)  
 <05\_MHz\_Tx\_W52\_11ac(HT80)>  
 Peak level(H,PK)  
 Peak level(V,PK)

**Final Result**

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

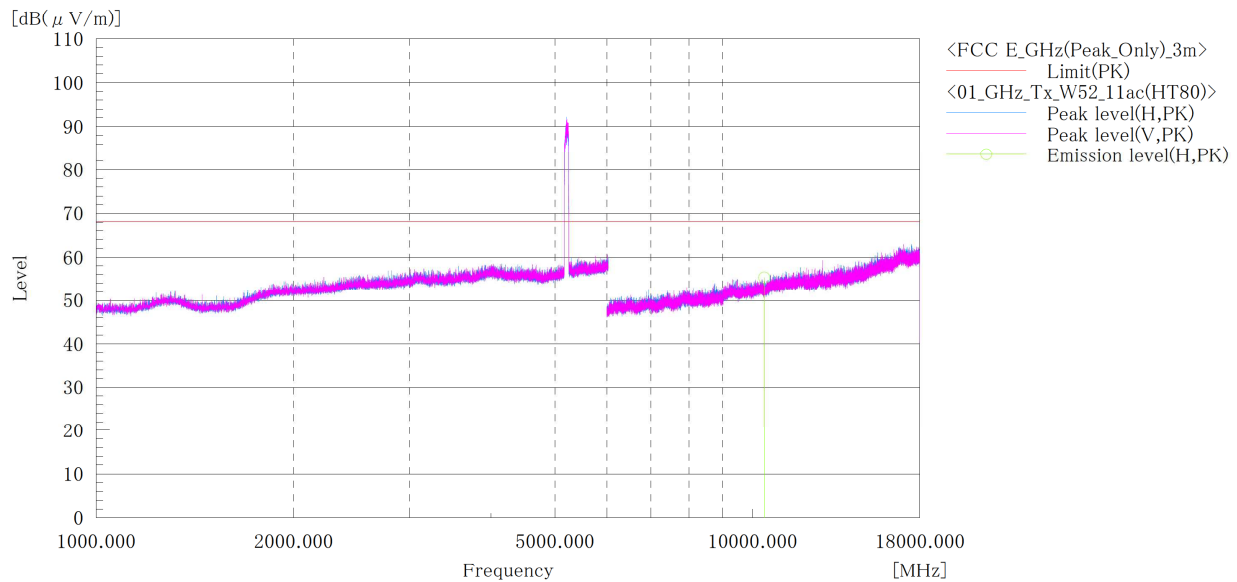
**Note:**

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.

**[11ac(VHT80)]**  
**W52**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W52\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpart E  
 Operator : T.Seino  
 Temp,Hum,Atm : 22.2[°C] 52.8[%]  
 Note1 : Ch:42\_5210MHz  
 Note2 :



**Final Result**

| No. | Frequency<br>[MHz] | (P) | Reading<br>PK<br>[dB(μV)] | c.f<br>[dB(1/m)] | Result<br>PK<br>[dB(μV/m)] | Limit<br>PK<br>[dB(μV/m)] | Margin<br>PK<br>[dB] | Height<br>[cm] | Angle<br>[°] |
|-----|--------------------|-----|---------------------------|------------------|----------------------------|---------------------------|----------------------|----------------|--------------|
| 1   | 10420.000          | H   | 44.7                      | 10.7             | 55.4                       | 68.2                      | 12.8                 | 146.0          | 229.0        |

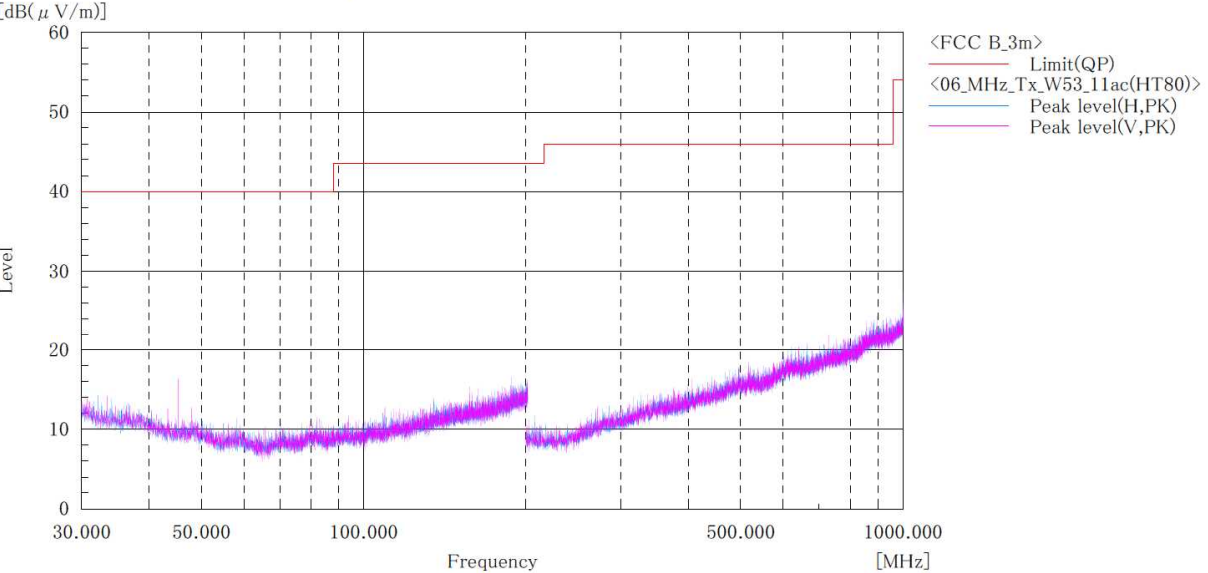
**Note:**

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.

**[11ac(VHT80)]**  
**W53**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W53\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpartE  
Operator : K.Saito  
Temp,Hum,Atm : 20.8[°C] 59.2[%]  
Note1 : Ch:58\_5290MHz  
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.

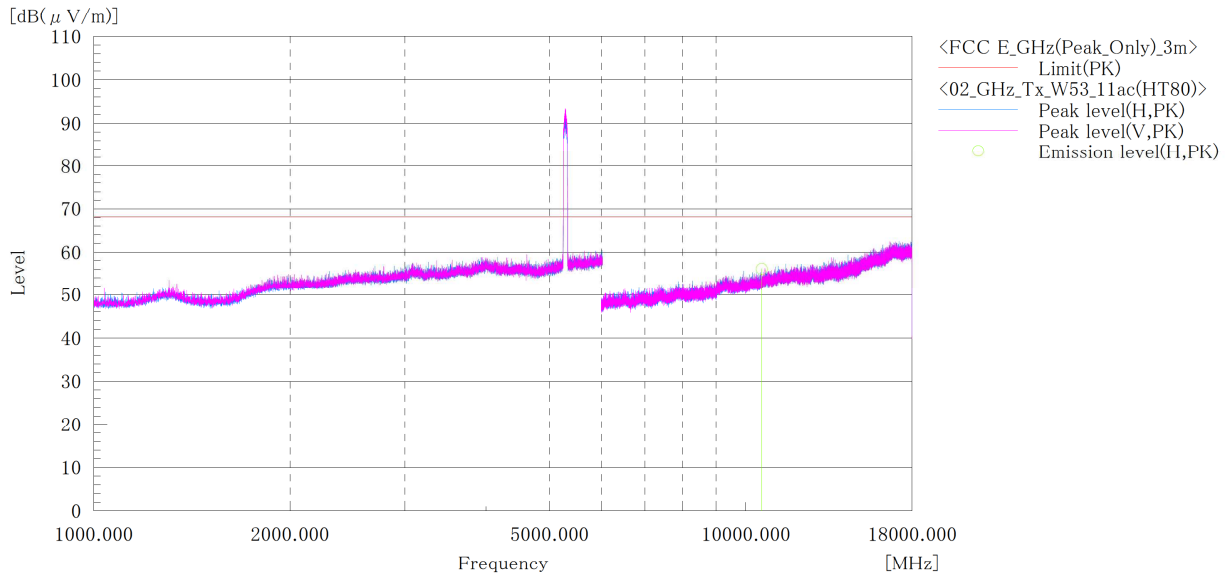


Japan

**[11ac(VHT80)]**  
**W53**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W53\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpart E  
Operator : T.Seino  
Temp,Hum,Atm : 22.2[°C] 52.8[%]  
Note1 : Ch:58\_5290MHz  
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 [°] |
|-----|-----------------|-----|---------------------|----------------|----------------------|---------------------|----------------|-------------|-----------|
| 1   | 10580.000       | H   | 45.1                | 11.0           | 56.1                 | 68.2                | 12.1           | 167.0       | 233.0     |

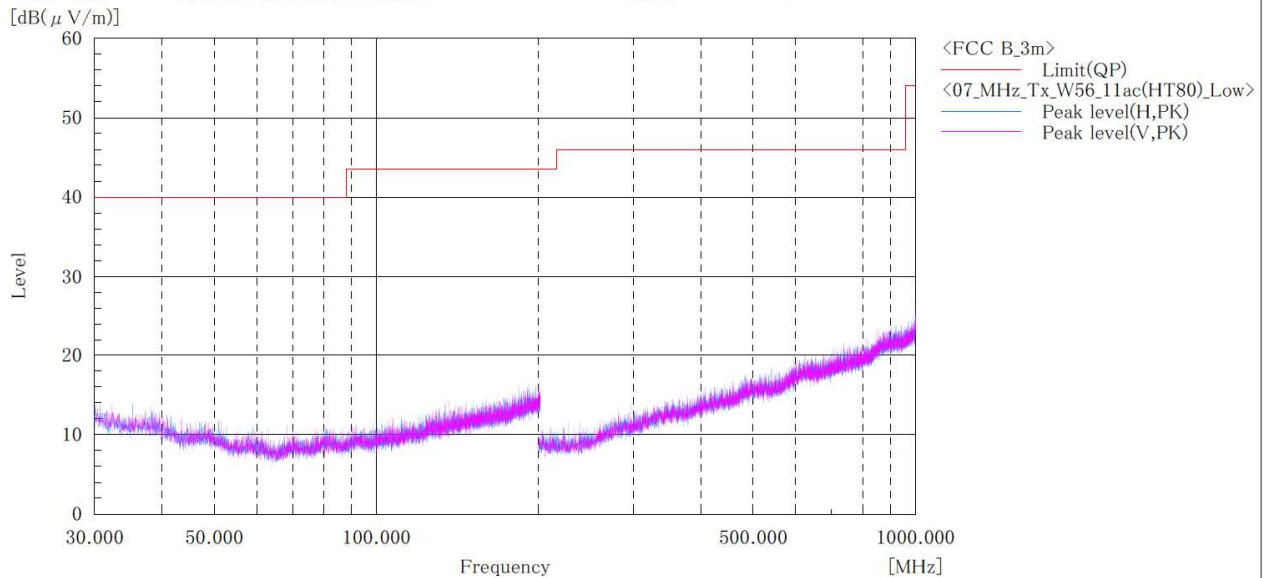
Note:

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.

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

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W56\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpartE  
Operator : K.Saito  
Temp,Hum,Atm : 20.8[°C] 59.2[%]  
Note1 : Ch:106\_5530MHz  
Note2 :



Final Result

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

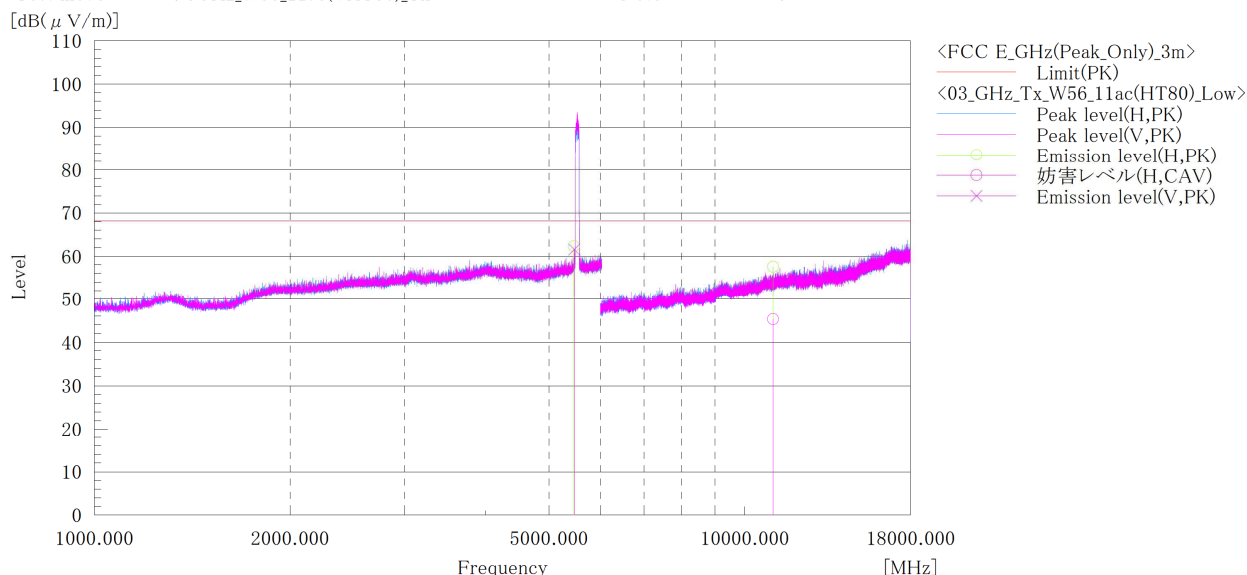
Note:

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.

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

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W56\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpart E  
 Operator : T.Seino  
 Temp,Hum,Atm : 22.2[°C] 52.8[%]  
 Note1 : ch:106\_5530MHz  
 Note2 :



## 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 [°] |
|-----|-----------------|-----|---------------------|----------------------|----------------|----------------------|-----------------------|---------------------|----------------|-----------------|-------------|-----------|
| 1   | 5463.360        | H   | 51.0                | -----                | 11.3           | 62.3                 | -----                 | 68.2                | 5.9            | -----           | 152.0       | 241.0     |
| 2   | 5467.610        | V   | 50.3                | -----                | 11.3           | 61.6                 | -----                 | 68.2                | 6.6            | -----           | 152.0       | 186.0     |
| 3   | 11060.000       | H   | 45.7                | 33.4                 | 11.9           | 57.6                 | 45.3                  | 74.0                | 16.4           | 8.7             | 152.0       | 235.0     |

## Note:

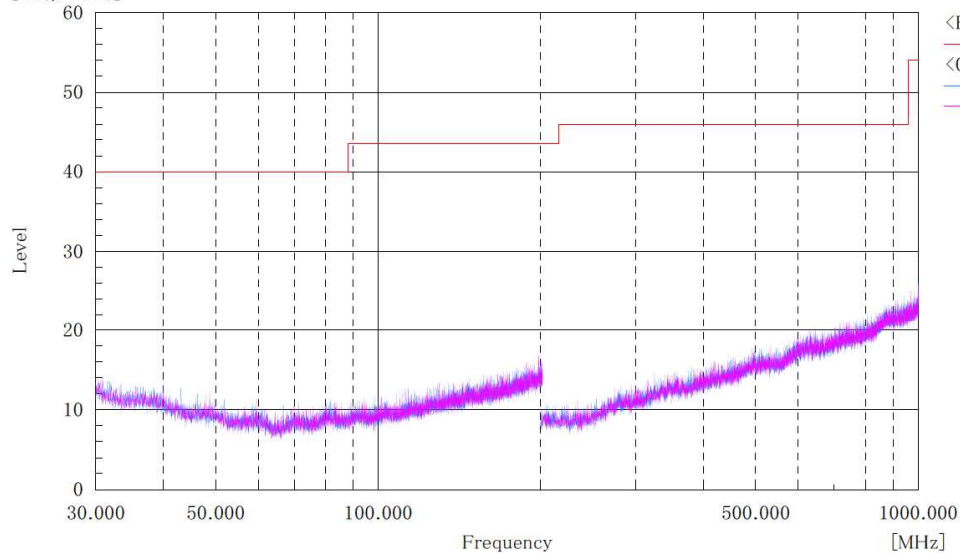
- Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
- No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

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

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W56\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpartE  
 Operator : K.Saito  
 Temp,Hum,Atm : 20.8[°C] 59.2[%]  
 Note1 : Ch:122\_5610MHz  
 Note2 :

[dB(μV/m)]



## Final Result

| No. | Frequency [MHz] | (P) | 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.

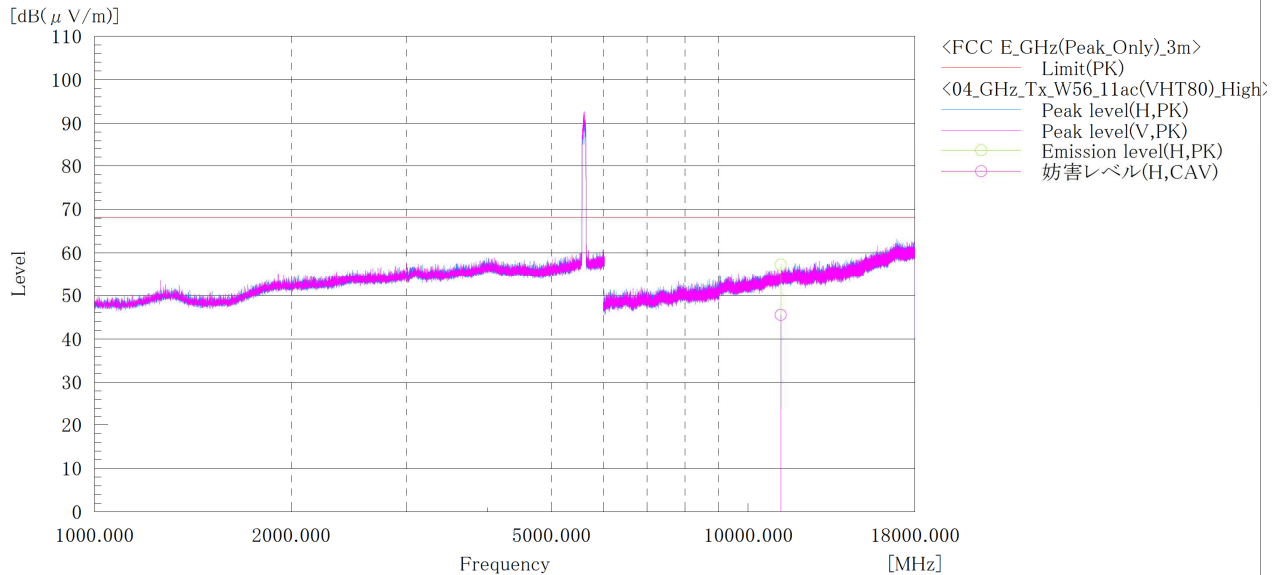


Japan

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

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W56\_11ac(VHT80)\_Tx

Standard : FCC Part.15 subpart E  
Operator : T.Seino  
Temp,Hum,Atm : 22.2[°C] 52.8[%]  
Note1 : ch:122\_5610MHz  
Note2 :



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 [°] |
|-----|-----------------|-----|---------------------|----------------------|---------------|----------------------|-----------------------|---------------------|----------------|-----------------|-------------|-----------|
| 1   | 11220.000       | H   | 45.3                | 33.5                 | 12.0          | 57.3                 | 45.5                  | 74.0                | 16.7           | 8.5             | 153.0       | 233.0     |

Note:

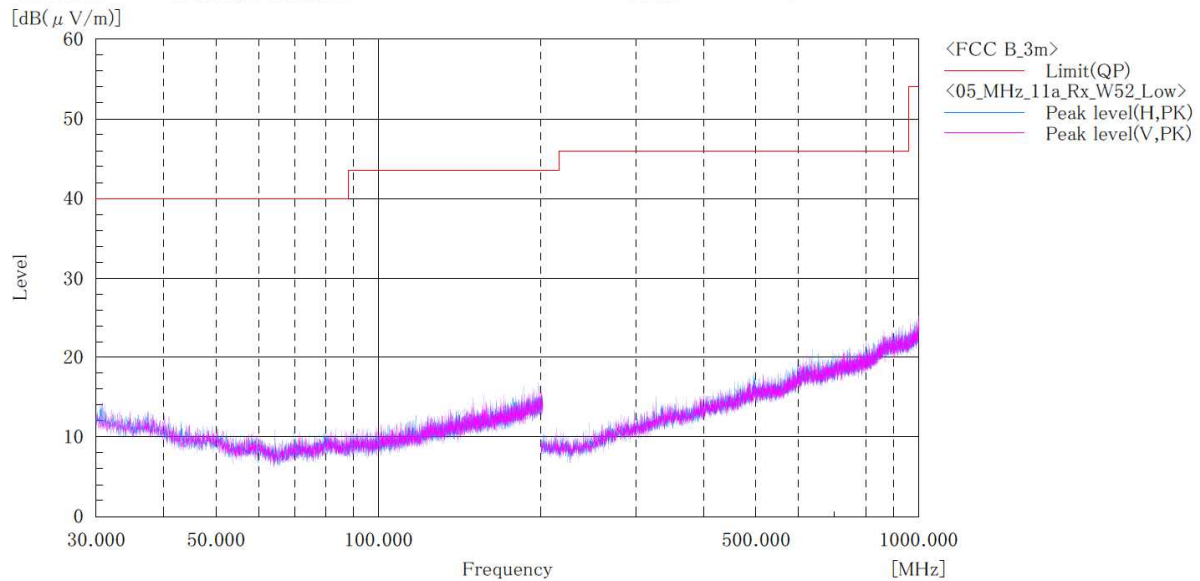
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

Receive mode

W52 / Channel Low  
BELOW 1GHz

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W52\_Rx\_Low

Standard : FCC Part.15 Subpart E  
Operator : K.Saito  
Temp,Hum,Atm : 20.8[°C] 59.2[%]  
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.



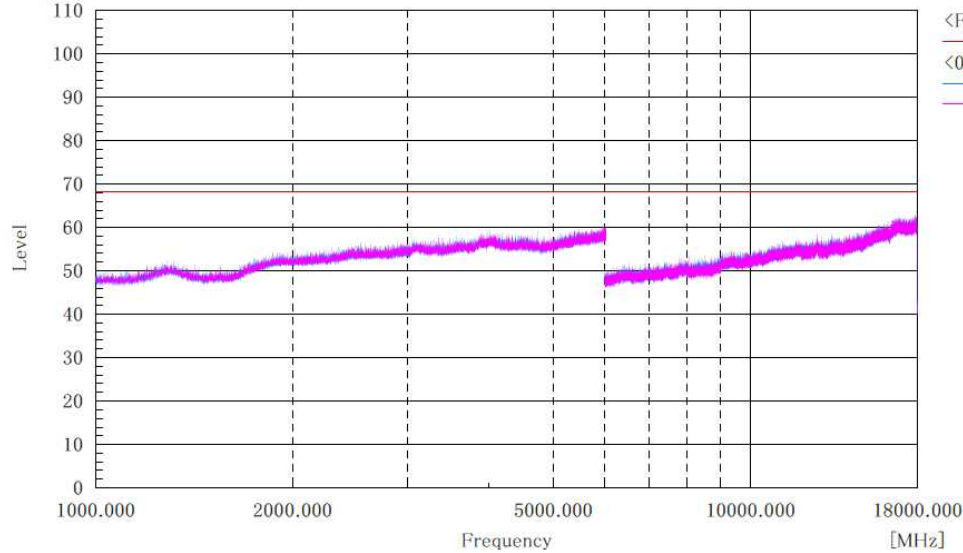
Japan

**W52 / Channel Low  
ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11a\_Rx\_Low

Standard : FCC Part.15 subpart E  
Operator : T.Seino  
Temp,Hum,Atm : 23.9[°C] 55.5[%]  
Note1 : Ch:36\_5180MHz  
Note2 :

[dB(μV/m)]



<FCC E\_GHz(Peak\_Only)\_3m>  
Limit(PK)  
<01\_GHz\_11a\_Rx\_W52\_Low>  
Peak level(H,PK)  
Peak level(V,PK)

**Final Result**

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

**Note:**

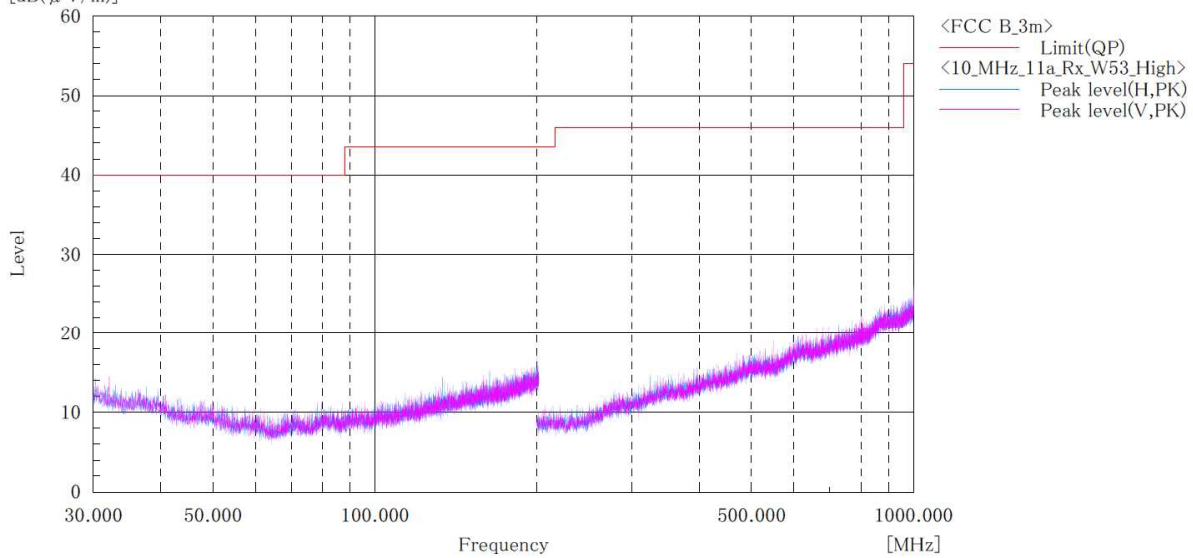
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**W53 / Channel High  
BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W53\_Rx\_High

Standard : FCC Part.15 Subpart E  
Operator : K.Saito  
Temp,Hum,Atm : 20.8[°C] 59.2[%]  
Note1 : Ch:64\_5320MHz  
Note2 :

[dB(μV/m)]



**Final Result**

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

**Note:**

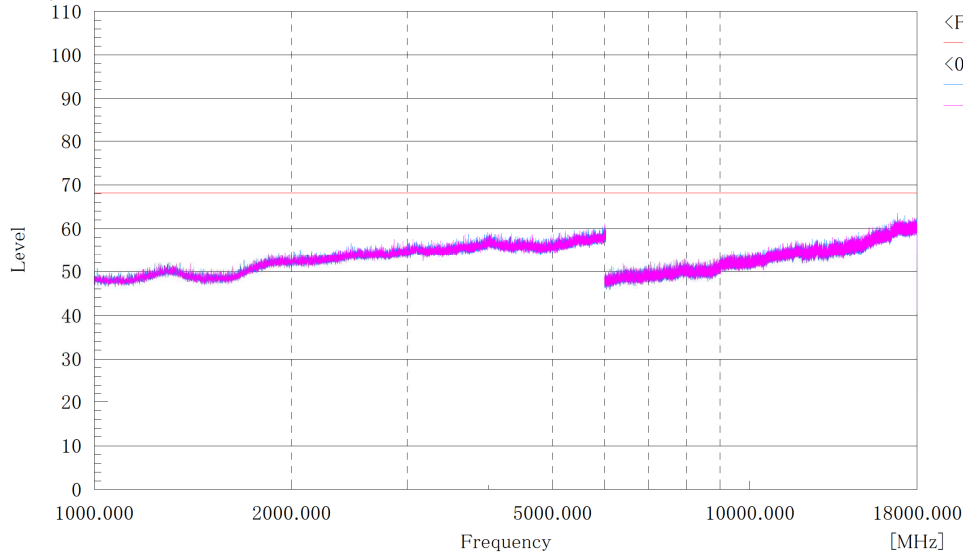
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

# W53 / Channel High ABOVE 1GHz

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W53\_11a\_Rx\_High

Standard : FCC Part.15 subpart E  
Operator : T.Seino  
Temp,Hum,Atm : 23.8[°C] 55.5[%]  
Note1 : Ch:64\_5320MHz  
Note2 :

[dB(μV/m)]



<FCC E\_GHz(Peak\_Only)\_3m>  
Limit(PK)  
<02\_GHz\_11a\_Rx\_W53\_High>  
Peak level(H,PK)  
Peak level(V,PK)

## Final Result

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

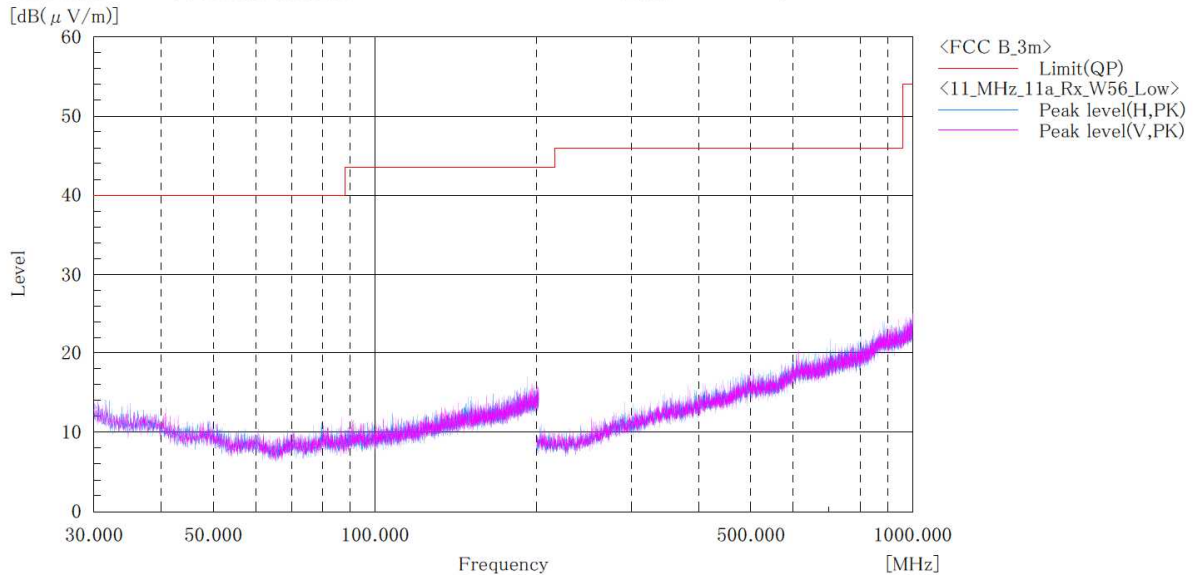
## Note:

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

**W56 / Channel Low  
BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W56\_Rx\_Low

Standard : FCC Part.15 Subpart E  
Operator : K.Saito  
Temp,Hum,Atm : 20.8[°C] 59.2[%]  
Note1 : Ch:100\_5500MHz  
Note2 :



Final Result

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

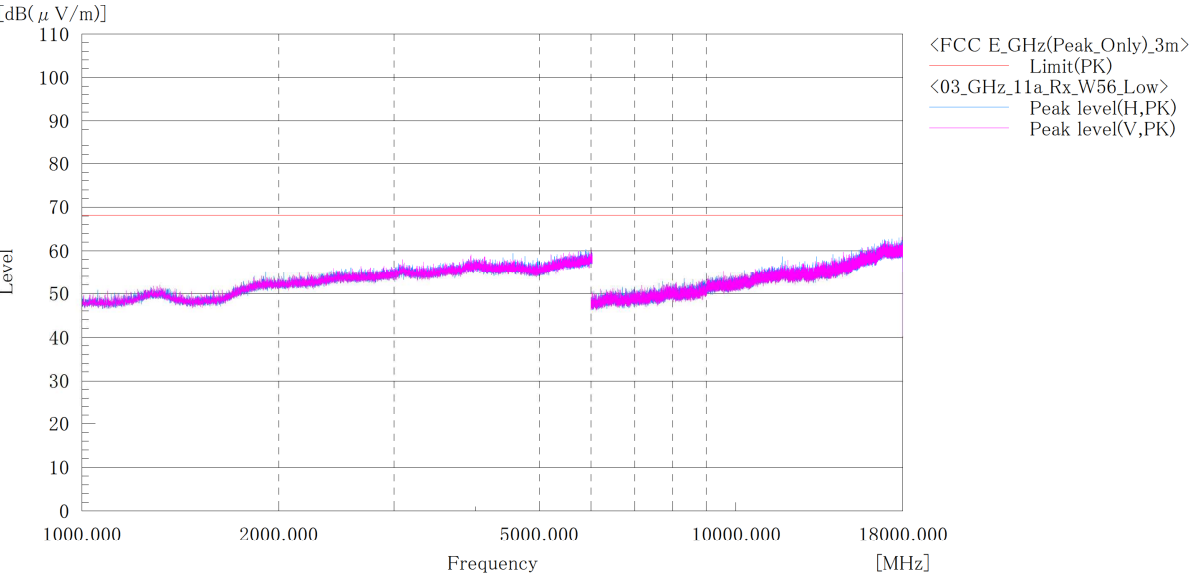
Note:

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.

**W56 / Channel Low  
ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W56\_11a\_Rx\_Low

Standard : FCC Part.15 subpart E  
Operator : T.Seino  
Temp,Hum,Atm : 23.6[°C] 42.2[%]  
Note1 : Ch:100\_5500MHz  
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 18GHz to 40GHz at the 3 meters distance.

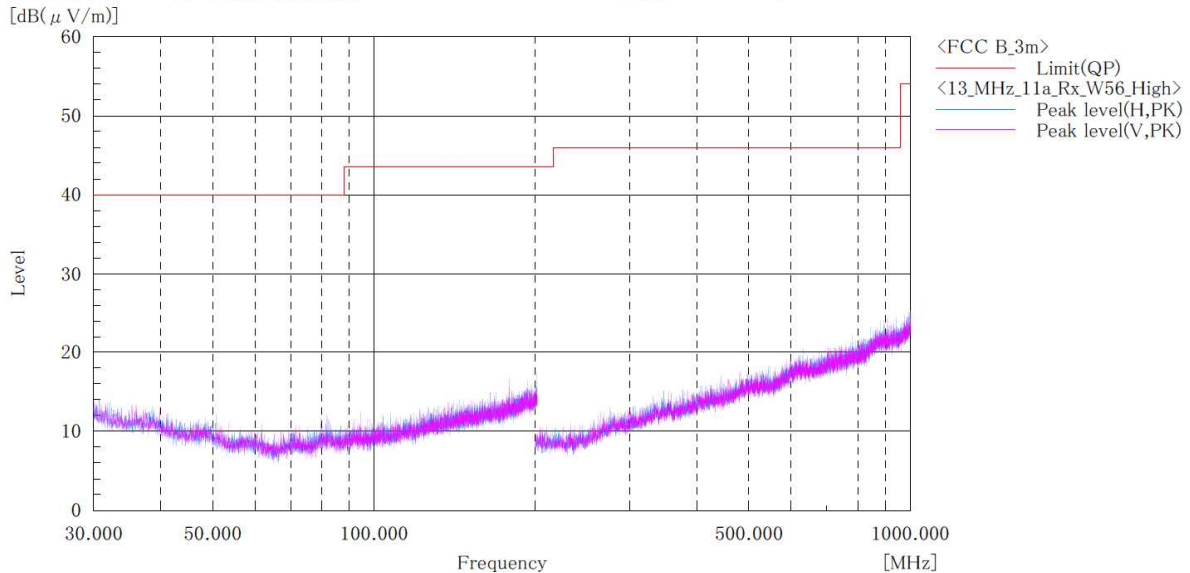


Japan

**W56 / Channel High  
BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W56\_Rx\_High

Standard : FCC Part.15 Subpart E  
Operator : K.Saito  
Temp,Hum,Atm : 20.8[°C] 59.2[%]  
Note1 : Ch:140\_5700MHz  
Note2 :



**Final Result**

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

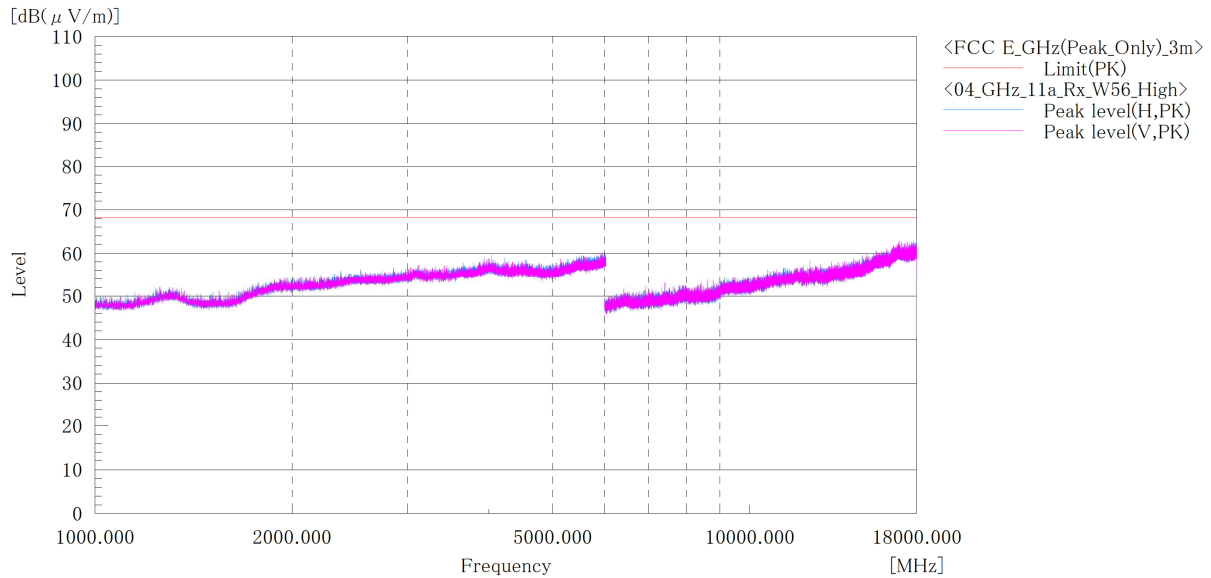
**Note:**

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

**W56 / Channel High  
ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1017  
Serial No. : N/A  
Test mode : 5GHz\_W56\_11a\_Rx\_High

Standard : FCC Part.15 subpart E  
Operator : T.Seino  
Temp,Hum,Atm : 23.6[°C] 42.2[%]  
Note1 : Ch:140\_5700MHz  
Note2 :



**Final Result**

| No. | Frequency [MHz] | (P) | 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 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.

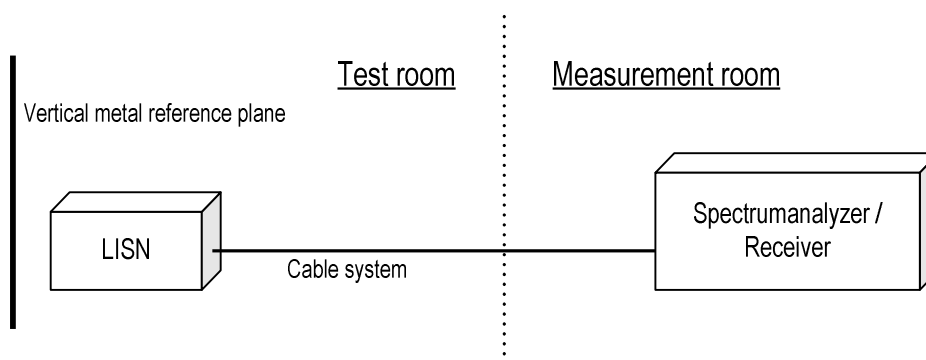
|                                |                                             |
|--------------------------------|---------------------------------------------|
| Test method                    | : ANSI C63.10                               |
| Frequency range                | : 0.15 MHz to 30 MHz                        |
| 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<br>[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 : 8-June-2020

Temperature : 21.3 [°C]

Humidity : 49.6 [%]

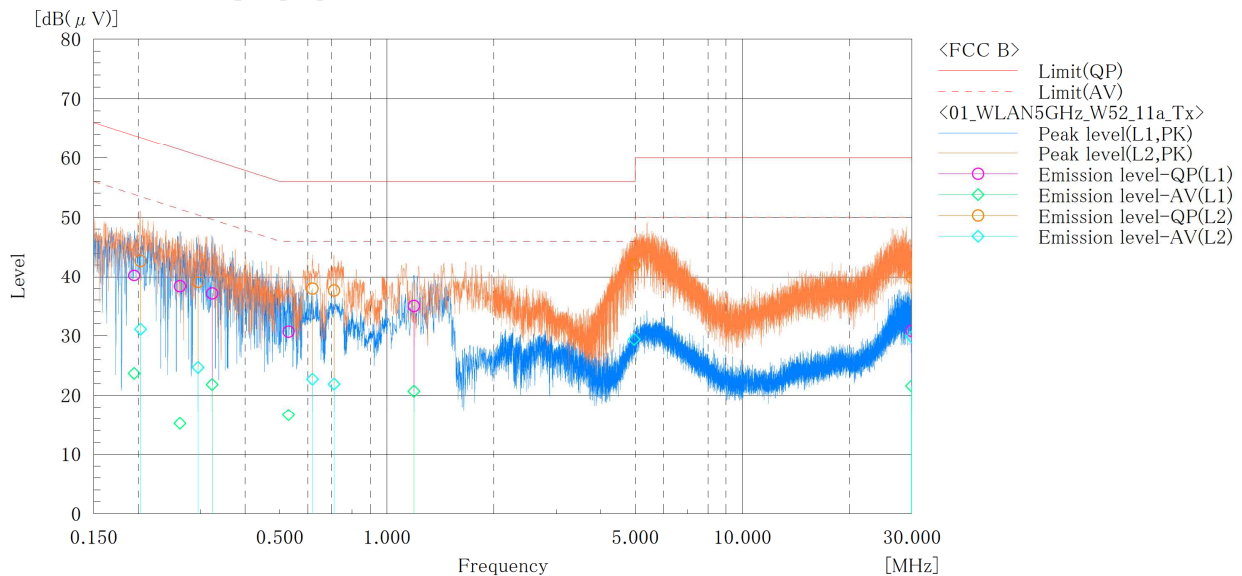
Test place : 3m Semi-anechoic chamber

Test engineer :

Kazunori Saito

Company Name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W52\_11a\_Tx

Standard : FCC Part.15 Subpart E  
 Operator : K.Saito  
 Temp,Hum,Atm : 21.3[°C] 49.6[%]  
 Note1 :  
 Note2 :



#### Final Result

##### --- L1 Phase ---

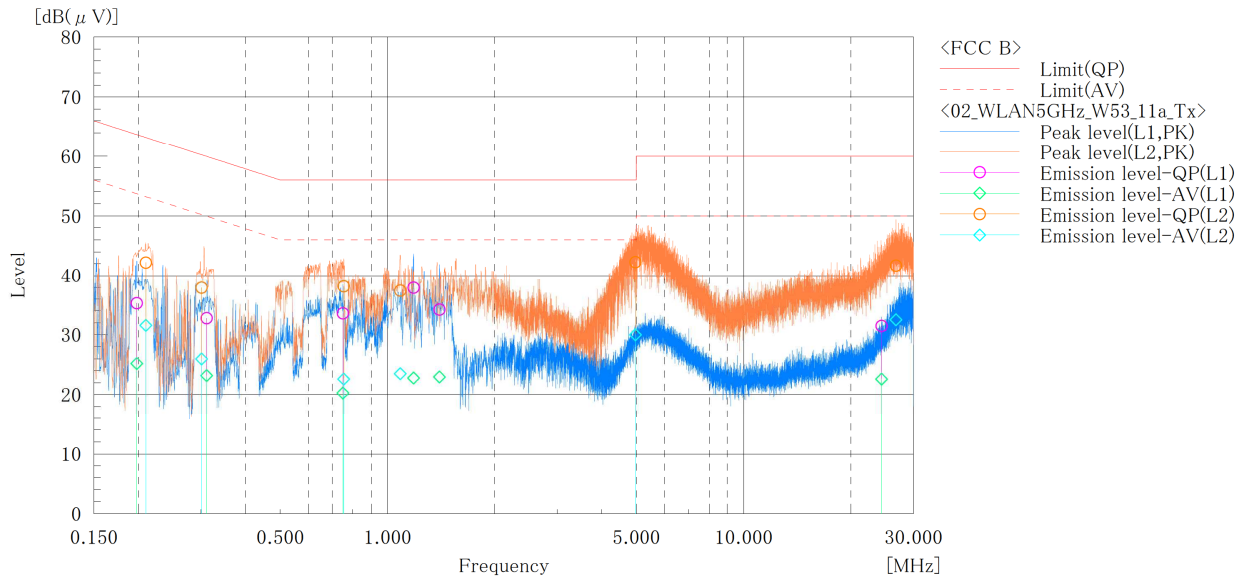
| No. | Frequency<br>[MHz] | Reading<br>QP<br>[dB(μV)] | Reading<br>CAV<br>[dB(μV)] | c. f<br>[dB] | Result<br>QP<br>[dB(μV)] | Result<br>CAV<br>[dB(μV)] | Limit<br>QP<br>[dB(μV)] | Limit<br>AV<br>[dB(μV)] | Margin<br>QP<br>[dB] | Margin<br>CAV<br>[dB] |
|-----|--------------------|---------------------------|----------------------------|--------------|--------------------------|---------------------------|-------------------------|-------------------------|----------------------|-----------------------|
| 1   | 0.195              | 30.0                      | 13.5                       | 10.2         | 40.2                     | 23.7                      | 63.8                    | 53.8                    | 23.6                 | 30.1                  |
| 2   | 0.262              | 28.1                      | 5.0                        | 10.2         | 38.3                     | 15.2                      | 61.4                    | 51.4                    | 23.1                 | 36.2                  |
| 3   | 0.323              | 26.8                      | 11.5                       | 10.3         | 37.1                     | 21.8                      | 59.6                    | 49.6                    | 22.5                 | 27.8                  |
| 4   | 0.530              | 20.4                      | 6.3                        | 10.3         | 30.7                     | 16.6                      | 56.0                    | 46.0                    | 25.3                 | 29.4                  |
| 5   | 1.193              | 24.7                      | 10.4                       | 10.3         | 35.0                     | 20.7                      | 56.0                    | 46.0                    | 21.0                 | 25.3                  |
| 6   | 29.877             | 19.4                      | 10.2                       | 11.4         | 30.8                     | 21.6                      | 60.0                    | 50.0                    | 29.2                 | 28.4                  |

##### --- L2 Phase ---

| No. | Frequency<br>[MHz] | Reading<br>QP<br>[dB(μV)] | Reading<br>CAV<br>[dB(μV)] | c. f<br>[dB] | Result<br>QP<br>[dB(μV)] | Result<br>CAV<br>[dB(μV)] | Limit<br>QP<br>[dB(μV)] | Limit<br>AV<br>[dB(μV)] | Margin<br>QP<br>[dB] | Margin<br>CAV<br>[dB] |
|-----|--------------------|---------------------------|----------------------------|--------------|--------------------------|---------------------------|-------------------------|-------------------------|----------------------|-----------------------|
| 1   | 0.203              | 32.4                      | 20.8                       | 10.3         | 42.7                     | 31.1                      | 63.5                    | 53.5                    | 20.8                 | 22.4                  |
| 2   | 0.295              | 28.8                      | 14.5                       | 10.2         | 39.0                     | 24.7                      | 60.4                    | 50.4                    | 21.4                 | 25.7                  |
| 3   | 0.619              | 27.6                      | 12.4                       | 10.3         | 37.9                     | 22.7                      | 56.0                    | 46.0                    | 18.1                 | 23.3                  |
| 4   | 0.711              | 27.3                      | 11.6                       | 10.3         | 37.6                     | 21.9                      | 56.0                    | 46.0                    | 18.4                 | 24.1                  |
| 5   | 4.966              | 31.5                      | 18.9                       | 10.5         | 42.0                     | 29.4                      | 56.0                    | 46.0                    | 14.0                 | 16.6                  |
| 6   | 29.930             | 28.5                      | 18.5                       | 11.3         | 39.8                     | 29.8                      | 60.0                    | 50.0                    | 20.2                 | 20.2                  |

Company Name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W53\_11a\_Tx

Standard : FCC Part.15 Subpart E  
 Operator : K.Saito  
 Temp,Hum,Atm : 21.3[°C] 49.6[%]  
 Note1 :  
 Note2 :



## Final Result

## --- L1 Phase ---

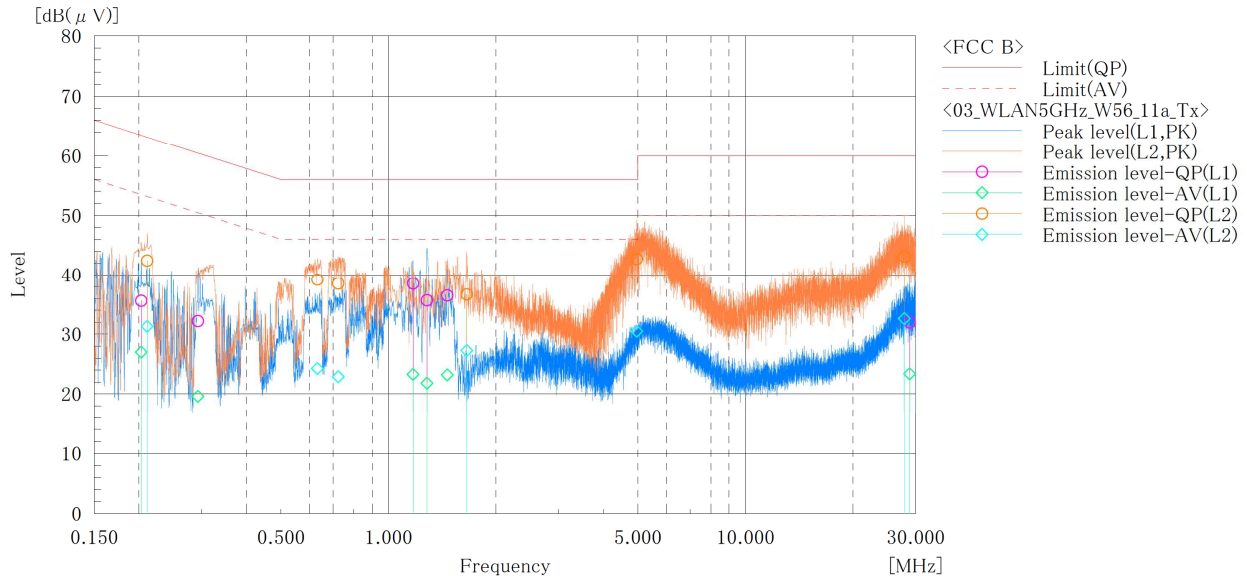
| No. | Frequency | Reading QP     | Reading CAV    | c. f | Result QP      | Result CAV     | Limit QP       | Limit AV       | Margin QP | Margin CAV |
|-----|-----------|----------------|----------------|------|----------------|----------------|----------------|----------------|-----------|------------|
|     | [MHz]     | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB] | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB]      | [dB]       |
| 1   | 0.198     | 25.1           | 15.0           | 10.2 | 35.3           | 25.2           | 63.7           | 53.7           | 28.4      | 28.5       |
| 2   | 0.311     | 22.5           | 12.9           | 10.3 | 32.8           | 23.2           | 59.9           | 49.9           | 27.1      | 26.7       |
| 3   | 0.750     | 23.3           | 10.0           | 10.3 | 33.6           | 20.3           | 56.0           | 46.0           | 22.4      | 25.7       |
| 4   | 1.184     | 27.6           | 12.5           | 10.3 | 37.9           | 22.8           | 56.0           | 46.0           | 18.1      | 23.2       |
| 5   | 1.400     | 23.9           | 12.7           | 10.3 | 34.2           | 23.0           | 56.0           | 46.0           | 21.8      | 23.0       |
| 6   | 24.401    | 20.4           | 11.5           | 11.1 | 31.5           | 22.6           | 60.0           | 50.0           | 28.5      | 27.4       |

## --- L2 Phase ---

| No. | Frequency | Reading QP     | Reading CAV    | c. f | Result QP      | Result CAV     | Limit QP       | Limit AV       | Margin QP | Margin CAV |
|-----|-----------|----------------|----------------|------|----------------|----------------|----------------|----------------|-----------|------------|
|     | [MHz]     | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB] | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB( $\mu$ V)] | [dB]      | [dB]       |
| 1   | 0.210     | 31.9           | 21.3           | 10.3 | 42.2           | 31.6           | 63.2           | 53.2           | 21.0      | 21.6       |
| 2   | 0.301     | 27.6           | 15.7           | 10.3 | 37.9           | 26.0           | 60.2           | 50.2           | 22.3      | 24.2       |
| 3   | 0.754     | 27.8           | 12.3           | 10.3 | 38.1           | 22.6           | 56.0           | 46.0           | 17.9      | 23.4       |
| 4   | 1.086     | 27.1           | 13.2           | 10.3 | 37.4           | 23.5           | 56.0           | 46.0           | 18.6      | 22.5       |
| 5   | 4.968     | 31.8           | 19.5           | 10.5 | 42.3           | 30.0           | 56.0           | 46.0           | 13.7      | 16.0       |
| 6   | 26.792    | 30.6           | 21.4           | 11.1 | 41.7           | 32.5           | 60.0           | 50.0           | 18.3      | 17.5       |

Company Name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1017  
 Serial No. : N/A  
 Test mode : 5GHz\_W56\_11a\_Tx

Standard : FCC Part.15 Subpart E  
 Operator : K.Saito  
 Temp,Hum,Atm : 21.3[°C] 49.6[%]  
 Note1 :  
 Note2 :



## 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   | 0.203     | 25.3       | 16.7        | 10.3 | 35.6      | 27.0       | 63.5     | 53.5     | 27.9      | 26.5       |
| 2   | 0.293     | 22.0       | 9.4         | 10.2 | 32.2      | 19.6       | 60.4     | 50.4     | 28.2      | 30.8       |
| 3   | 1.172     | 28.2       | 13.0        | 10.3 | 38.5      | 23.3       | 56.0     | 46.0     | 17.5      | 22.7       |
| 4   | 1.283     | 25.4       | 11.5        | 10.3 | 35.7      | 21.8       | 56.0     | 46.0     | 20.3      | 24.2       |
| 5   | 1.462     | 26.2       | 12.9        | 10.3 | 36.5      | 23.2       | 56.0     | 46.0     | 19.5      | 22.8       |
| 6   | 28.838    | 20.6       | 12.0        | 11.4 | 32.0      | 23.4       | 60.0     | 50.0     | 28.0      | 26.6       |

## --- 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   | 0.211     | 32.1       | 21.0        | 10.3 | 42.4      | 31.3       | 63.2     | 53.2     | 20.8      | 21.9       |
| 2   | 0.633     | 28.9       | 14.0        | 10.3 | 39.2      | 24.3       | 56.0     | 46.0     | 16.8      | 21.7       |
| 3   | 0.724     | 28.2       | 12.6        | 10.3 | 38.5      | 22.9       | 56.0     | 46.0     | 17.5      | 23.1       |
| 4   | 1.658     | 26.4       | 17.0        | 10.3 | 36.7      | 27.3       | 56.0     | 46.0     | 19.3      | 18.7       |
| 5   | 4.964     | 32.2       | 20.0        | 10.5 | 42.7      | 30.5       | 56.0     | 46.0     | 13.3      | 15.5       |
| 6   | 27.877    | 31.9       | 21.4        | 11.2 | 43.1      | 32.6       | 60.0     | 50.0     | 16.9      | 17.4       |



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)  | $\pm 3.8$ dB            |
| Conducted emission, AMN (150 kHz – 30 MHz) | $\pm 3.4$ dB            |
| Radiated emission (9 kHz – 30 MHz)         | $\pm 3.9$ dB            |
| Radiated emission (30 MHz – 1000 MHz)      | $\pm 4.9$ dB            |
| Radiated emission (1 GHz – 6 GHz)          | $\pm 4.6$ dB            |
| Radiated emission (6 GHz – 18 GHz)         | $\pm 4.9$ dB            |
| Radiated emission (18 GHz – 40 GHz)        | $\pm 5.8$ dB            |
| Radio Frequency                            | $\pm 1.4 \cdot 10^{-8}$ |
| RF power, conducted                        | $\pm 0.6$ dB            |
| Temperature                                | $\pm 0.6$ °C            |
| Humidity                                   | $\pm 1.2$ %             |
| Voltage (DC)                               | $\pm 0.4$ %             |
| Voltage (AC, <10kHz)                       | $\pm 0.2$ %             |

| Judge | Measured value and standard limit value                                                                                                                                                                                                                                        |       |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| PASS  | <div> <div>Standard limit value</div> <div> <div>+Uncertainty</div> <div>-Uncertainty</div> <div>Measured value</div> </div> </div> <p>Even if it takes uncertainty into consideration, a standard limit value is fulfilled.</p>                                               | Case1 |
|       | <div> <div>Standard limit value</div> <div> <div>+Uncertainty</div> <div>-Uncertainty</div> <div>Measured value</div> </div> </div> <p>Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.</p>  | Case2 |
| FAIL  | <div> <div>Standard limit value</div> <div> <div>+Uncertainty</div> <div>-Uncertainty</div> <div>Measured value</div> </div> </div> <p>Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.</p> | Case3 |
|       | <div> <div>Standard limit value</div> <div> <div>+Uncertainty</div> <div>-Uncertainty</div> <div>Measured value</div> </div> </div> <p>Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.</p>                                            | 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  
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 |
| Spectrum analyzer           | ROHDE&SCHWARZ        | FSV40             | 101732          | 28-Feb-2021 | 17-Feb-2020 |
| Preamplifier                | SONOMA               | 310               | 372170          | 30-Sep-2020 | 26-Sep-2019 |
| Loop antenna                | ROHDE&SCHWARZ        | HFH2-Z2           | 100515          | 30-Apr-2021 | 15-Apr-2020 |
| Attenuator                  | TOYO Connector       | NA-PJ-6           | N/A(S507)       | 31-Dec-2020 | 18-Dec-2019 |
| 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                  | TOYO Connector       | NA-PJ-6           | N/A(S507)       | 31-Dec-2020 | 18-Dec-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              | 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 |
| Band rejection filter       | Micro-Tronics        | BRC50716          | 006             | 31-Jul-2020 | 18-Jul-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-2021 | 29-May-2020 |
| 3m Semi an-echoic Chamber   | TOKIN                | N/A               | N/A(9002-SVSWR) | 31-May-2020 | 13-May-2019 |
| 3m Semi an-echoic Chamber   | TOKIN                | N/A               | N/A(9002-SVSWR) | 31-May-2021 | 29-May-2020 |

### 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     | 30-Jun-2021 | 03-Jun-2020 |
| 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         |

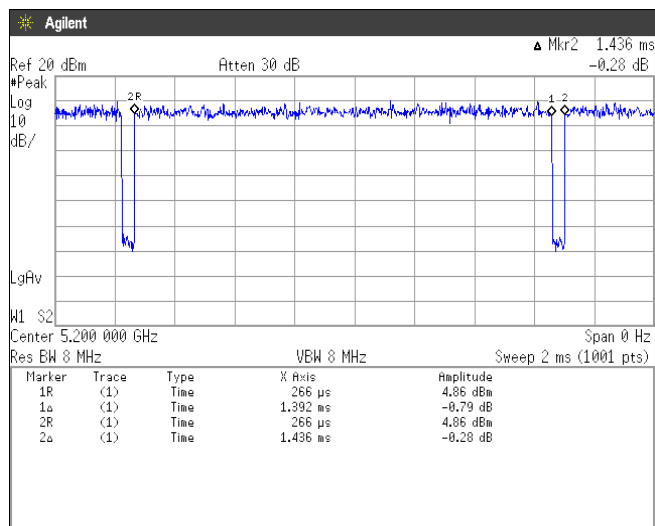
\*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.

## Appendix B. Duty Cycle

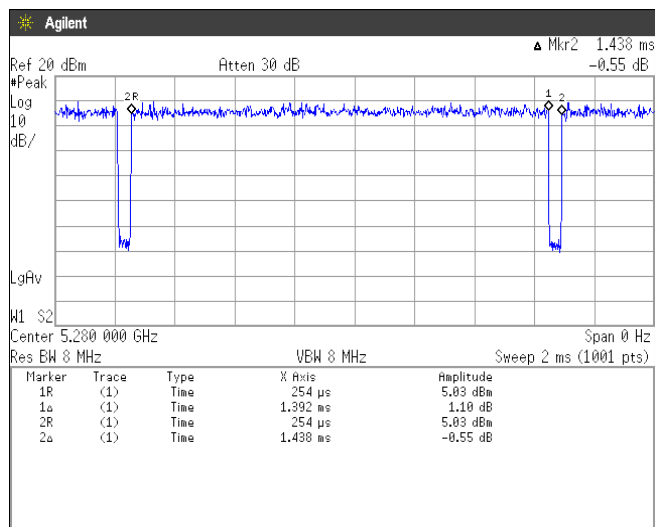
[Plot & Calculation]

[IEEE802.11a]

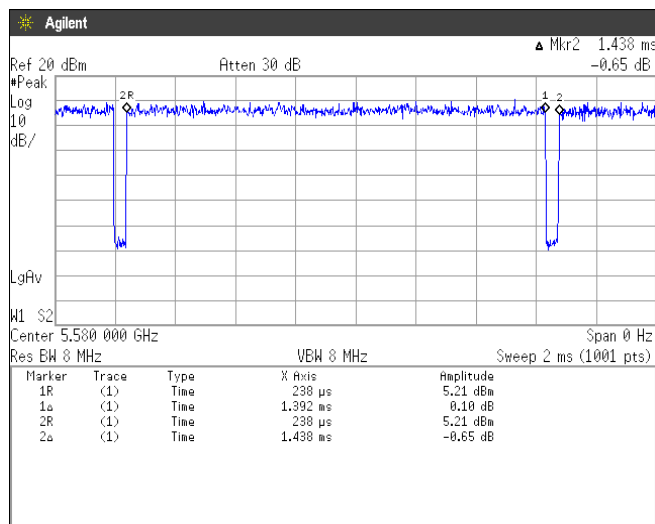
Channel: 40



Channel: 56



Channel: 116

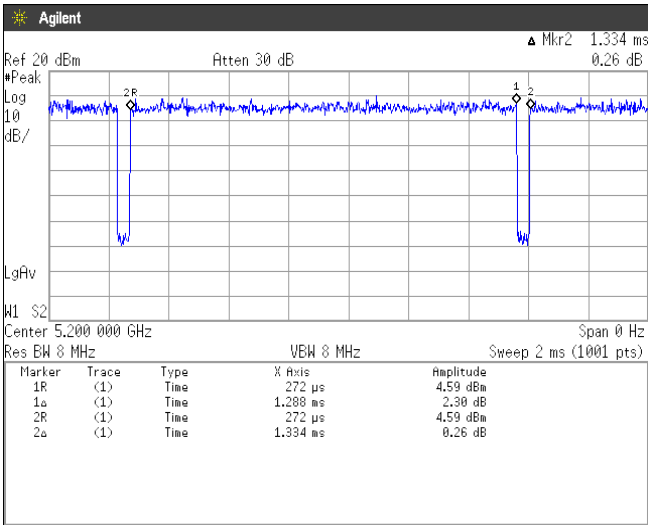




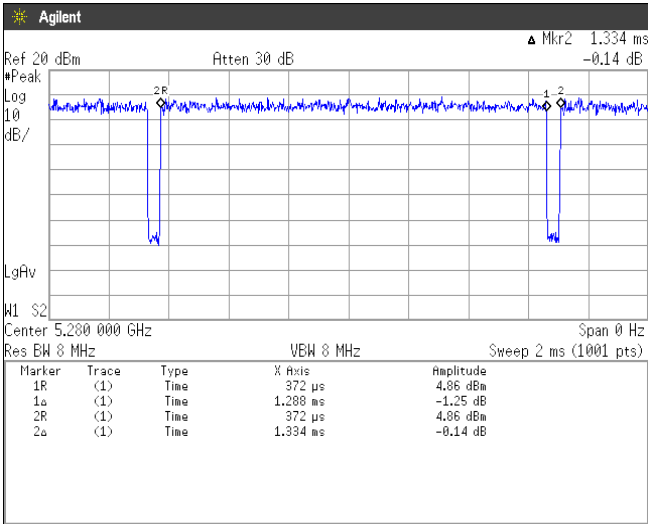
Japan

[IEEE802.11n (HT20)]

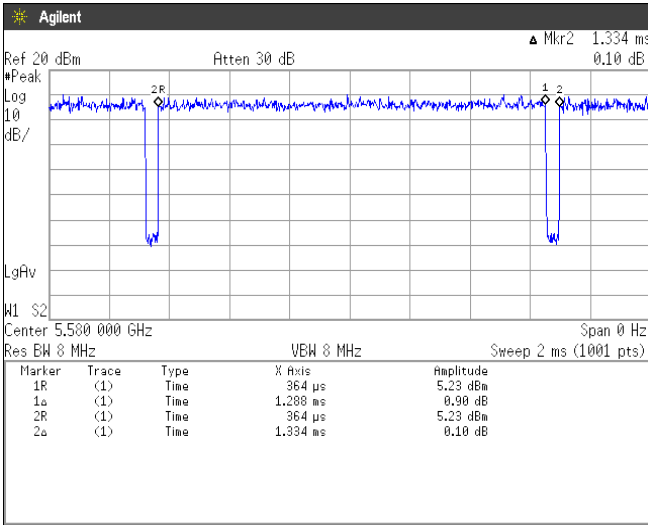
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Channel: 56

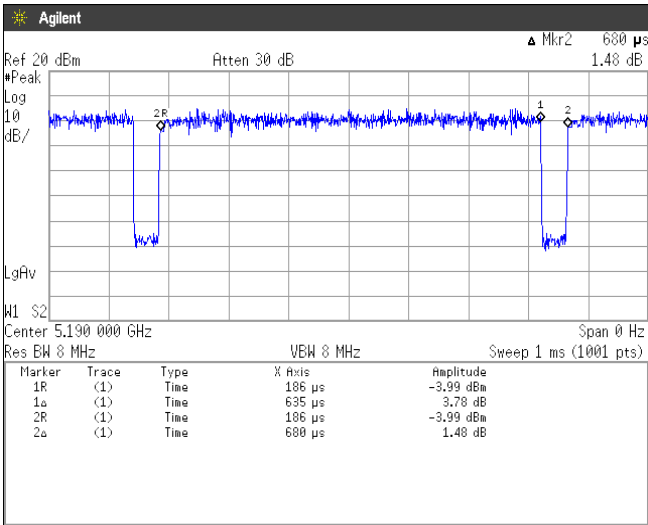


Channel: 116

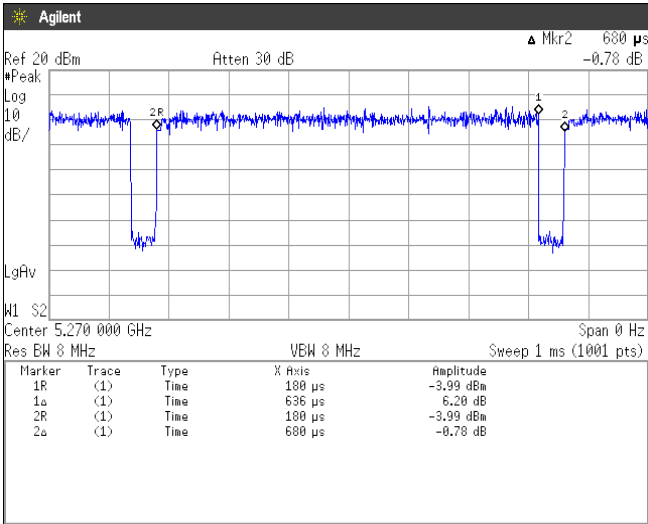


[IEEE802.11n (HT40)]

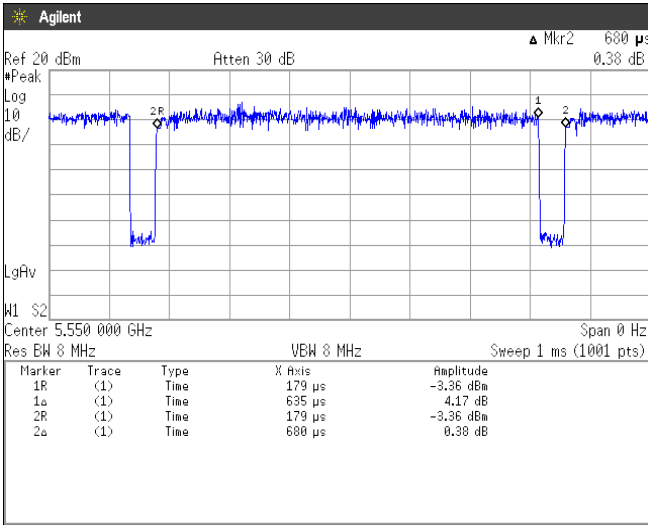
Channel: 38



Channel: 54



Channel: 110

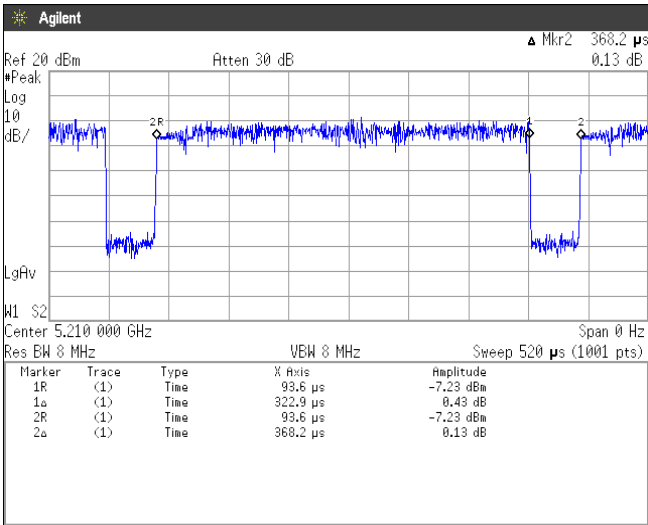




Japan

[IEEE802.11ac (VHT80)]

Channel: 42



Channel: 58

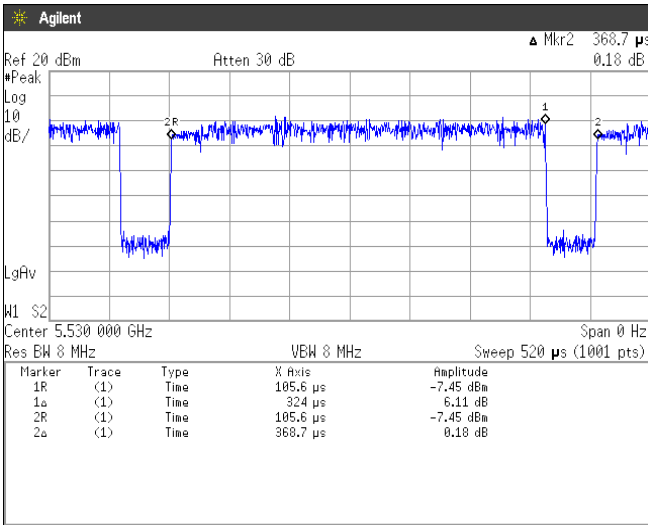




Japan

[IEEE802.11ac (VHT80)]

Channel: 106



Channel: 122

