

# Report on the RF Testing of:

**KYOCERA Corporation**  
**Mobile Phone, Model: EB1035**  
**FCC ID: JOYEB1035**

**In accordance with FCC Part15 Subpart C**



Japan

**Add value.  
Inspire trust.**

Prepared for: **KYOCERA Corporation**  
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## COMMERCIAL-IN-CONFIDENCE

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### SIGNATURE

A handwritten signature in blue ink that reads "Hiroaki Suzuki".

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|----------------|----------------------------|--------------------|-------------|
| Hiroaki Suzuki | Deputy Manager of RF Group | Approved Signatory | 18 MAY 2020 |

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

### EXECUTIVE SUMMARY – Result: Complied

A sample of this product was tested and the result above was confirmed in accordance with FCC Part15 Subpart C.



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## 1 Summary of Test

### 1.1 Modification history of the test report

| Document Number | Modification History | Issue Date              |
|-----------------|----------------------|-------------------------|
| JPD-TR-20031-0  | First Issue          | Refer to the cover page |

### 1.2 Standards

CFR47 FCC Part 15 Subpart C

### 1.3 Test methods

ANSI C63.10-2013  
KDB 558074 D01 15.247 Meas Guidance v05r02

### 1.4 Deviation from standards

None

### 1.5 List of applied test(s) of the EUT

| Test item section             | Test item                                      | Condition | Result | Remark |
|-------------------------------|--|-----------|--------|--------|
| 15.247(a)(2)                  | DTS Bandwidth / Occupied Bandwidth (99%)       | Conducted | N/A    | *1     |
| 15.247(b)(3)                  | Maximum conducted (average) output power       | Conducted | N/A    | *1     |
| 15.247(d)                     | Band Edge Compliance of RF Conducted Emissions | Conducted | N/A    | *1     |
| 15.247(d)<br>15.205<br>15.209 | Spurious Emissions                             | Conducted | N/A    | *1     |
|                               |  | Radiated  | PASS   | -      |
| 15.247(d)<br>15.205<br>15.209 | Restricted Bands of Operation                  | Radiated  | PASS   | -      |
| 15.247(e)                     | Transmitter Power Spectral Density             | Conducted | N/A    | *1     |
| 15.207                        | AC Power Line Conducted Emissions              | Conducted | PASS   | -      |

\*1 Since there is no change in Module from FCC ID: JOYCB70, only the Radiated test items were performed. Please refer to the test report "JPD-TR-19185-0" of "FCC ID: JOYCB70".

### 1.6 Test information

None

### 1.7 Test set up

Table-top

### 1.8 Test period

30-March-2020 - 22-April-2020

## 2 Equipment Under Test

### 2.1 EUT information

|                            |   |
|----------------------------|---|
| Applicant                  | KYOCERA Corporation<br>Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan<br>Phone: +81-45-943-6253 Fax: +81-45-943-6314  |
| Equipment Under Test (EUT) | Mobile Phone  |
| Model number               | EB1035  |
| Serial number              | N/A   |
| Trade name                 | Kyocera   |
| Number of sample(s)        | 1   |
| EUT condition              | Pre-Production  |
| Power rating               | Battery: DC 3.85 V  |
| Size                       | (W) 71.0 x (D) 159.0 x (H) 8.9 mm   |
| Environment                | Indoor and Outdoor use  |
| Terminal limitation        | -20°C to 60°C   |
| Hardware Version           | DMT1  |
| Software Version           | V0.060MI.0020.a   |
| Firmware Version           | Not applicable  |
| RF Specification           |   |
| Protocol                   | IEEE802.11b, IEEE802.11g, IEEE802.11n (HT20),   |
| Frequency range            | IEEE802.11b /11g/11n (HT20): 2412 MHz-2462 MHz  |
| Number of RF Channels      | 11 Channels   |
| Modulation type            | IEEE802.11b: DSSS (DBPSK, DQPSK, CCK)<br>IEEE802.11g /11n (HT20): OFDM (BPSK, QPSK, 16QAM, 64QAM)   |
| Data rate                  | IEEE802.11b: 1, 2, 5.5, 11Mbps<br>IEEE802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps<br>IEEE802.11n (HT20 LGI): 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps<br>IEEE802.11n (HT20 SGI): 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2Mbps |
| Channel separation         | 5 MHz   |
| Output power               | 83.368 mW (IEEE802.11b)<br>174.985 mW (IEEE802.11g)<br>247.742 mW (IEEE802.11n: HT20)   |
| Antenna type               | Internal antenna  |
| Antenna gain               | 0.2 dBi   |

## 2.2 Modification to the EUT

The table below details modifications made to the EUT during the test project.

| Modification State                | Description of Modification  | Modification fitted by | Date of Modification |
|-----------------------------------|------------------------------|------------------------|----------------------|
| Model: EB1035, Serial Number: N/A |                              |                        |                      |
| 0                                 | As supplied by the applicant | Not Applicable         | Not Applicable       |

## 2.3 Variation of family model(s)

### 2.3.1 List of family model(s)

Not applicable

### 2.3.2 Reason for selection of EUT

Not applicable

## 2.4 Operating channels and frequencies

| Channel | Frequency [MHz] |
|---------|-----------------|
| 1       | 2412            |
| 2       | 2417            |
| 3       | 2422            |
| 4       | 2427            |
| 5       | 2432            |
| 6       | 2437            |
| 7       | 2442            |
| 8       | 2447            |
| 9       | 2452            |
| 10      | 2457            |
| 11      | 2462            |

## 2.5 Description of test mode

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

| Tested Channel [11b, 11g, 11n(HT20)] | Frequency [MHz] |
|--------------------------------------|-----------------|
| Low                                  | 2412            |
| Middle                               | 2437            |
| High                                 | 2462            |

The pre-test has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.

| Tested Channel    | Modulation Type              | Data Rate      |
|-------------------|------------------------------|----------------|
| Low, Middle, High | IEEE802.11b: DSSS            | 1Mbps          |
| Low, Middle, High | IEEE802.11g: OFDM            | 6Mbps          |
| Low, Middle, High | IEEE802.11n (HT20 LGI): OFDM | MCS0 (6.5Mbps) |

The field strength of spurious emissions was measured at each position of all three axis X, Y and Z to compare the level, and the maximum noise.

The worst emission was found in X-axis and the worst case recorded.

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports.

## 2.6 Operating flow

### - Tx mode

- i) Test program setup to the Software
- ii) Select a Test mode  
[IEEE802.11b, IEEE802.11g, IEEE802.11n (HT20)]  
Operating frequency: Channel Low: 2412MHz, Channel Middle: 2437MHz, Channel High: 2462MHz
- iii) Start test mode

### - Rx mode

- i) Test program setup to the Software
- ii) Select a Test mode  
[IEEE802.11b, IEEE802.11g, IEEE802.11n (HT20)]  
Operating frequency: Channel Low: 2412MHz, Channel Middle: 2437MHz, Channel High: 2462MHz
- iii) Start test mode

## 3 Configuration of Equipment

Numbers assigned to equipment on the diagram in “3.3 System configuration” correspond to the list in “3.1 Equipment used” and “3.2 Cable(s) used”.

Cabling and setup(s) were taken into consideration and test data was taken under worse case condition.

### 3.1 Equipment used

| No. | Equipment    | Company | Model No. | Serial No. | FCC ID/DoC | Comment |
|-----|--------------|---------|-----------|------------|------------|---------|
| 1   | Mobile Phone | KYOCERA | EB1035    | N/A        | JOYEB1035  | EUT     |
| 2   | AC Adapter   | KDDI    | 0301PQA   | N/A        | N/A        | *       |

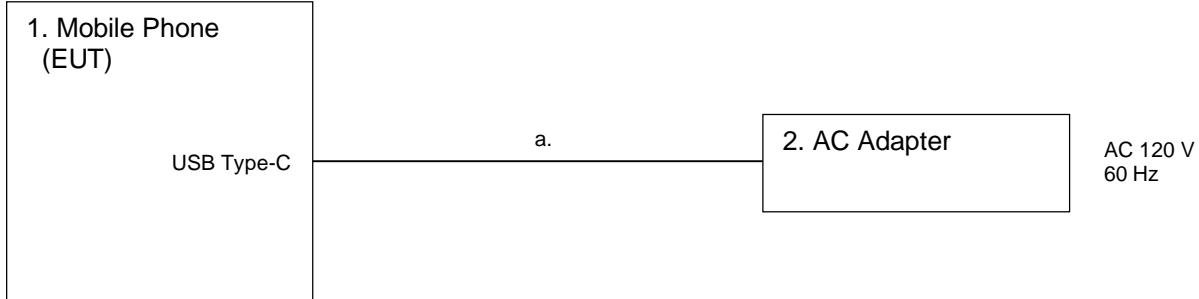
\*:AC power line Conducted Emission Test.

### 3.2 Cable(s) used

| No. | Equipment                  | Length[m] | Shield | Connector | Comment |
|-----|----------------------------|-----------|--------|-----------|---------|
| a   | USB cable (for AC Adapter) | 1.0       | Yes    | Metal     | *       |

\*:AC power line Conducted Emission Test.

### 3.3 System configuration



## 4 Test Result

### 4.1 Spurious Emissions - Radiated -

#### 4.1.1 Measurement procedure

[FCC 15.247(d), 15.205, 15.209, KDB 558074 D01 v05r02, Section 8.6]

Test was applied by following conditions.

|                           |   |  |
|---------------------------|---|--|
| Test method               | : | ANSI C63.10  |
| Frequency range           | : | 9 kHz to 25 GHz  |
| Test place                | : | 3m Semi-anechoic chamber   |
| EUT was placed on         | : | Styrofoam table / (W) 1.0 x (D) 1.0 x (H) 0.8 m (below 1 GHz)<br>Styrofoam table / (W) 0.6 x (D) 0.6 x (H) 1.5 m (above 1 GHz) |
| Antenna distance          | : | 3 m  |
| Test receiver setting     |   | Below 1 GHz  |
| - Detector                | : | Average (9 kHz-90 kHz, 110 kHz-490 kHz), Quasi-peak  |
| - Bandwidth               | : | 200 Hz, 120 kHz  |
| Spectrum analyzer setting |   | Above 1 GHz  |
| - Peak                    | : | RBW=1 MHz, VBW=3 MHz, Span=0 Hz, Sweep=auto  |
| - Average                 | : | RBW=1 MHz, VBW=1kHz, 3kHz, Span=0 Hz, Sweep=auto<br>Display mode=Linear  |

#### Average Measurement Setting [VBW]

| Mode              | Duty Cycle (%) | T <sub>on</sub> (us) | T <sub>off</sub> (us) | 1/T <sub>on</sub> (kHz) | Determined VBW Setting |
|-------------------|----------------|----------------------|-----------------------|-------------------------|------------------------|
| IEEE802.11b       | 96.12          | 990                  | 40                    | 1.010                   | 1kHz                   |
| IEEE802.11g       | 96.94          | 1392                 | 44                    | 0.718                   | 1kHz                   |
| IEEE802.11n(HT20) | 96.55          | 1286                 | 46                    | 0.778                   | 1kHz                   |

Although these tests were performed other than open area test site, adequate comparison measurements

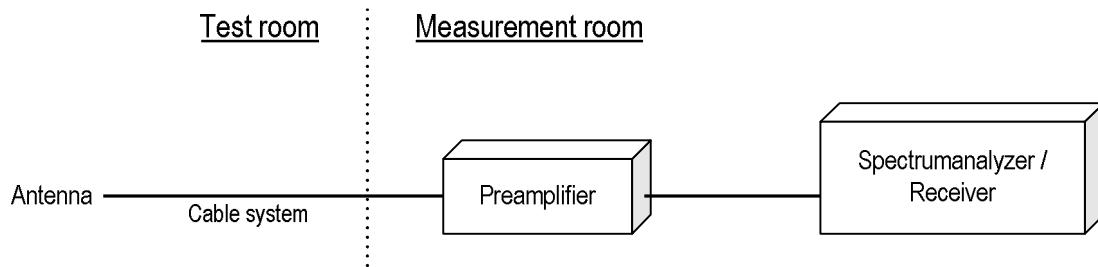
were confirmed against 30 m open are test site.

Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 937606.

Radiated emission measurements are performed at 3m distance with the broadband antenna (Loop antenna, Biconical antenna, Log periodic antenna and Double ridged guide antenna). The antenna is positioned both the horizontal and vertical planes of polarization and height is varied 1m to 4m and stopped at height producing the maximum emission. As for the Loop antenna, it is positioned with its plane vertical, and the center of the Loop antenna is 1m above the ground plane.

The EUT is Placed on a turntable, which is 0.8m/1.5m above ground plane. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. The test results represent the worst case emission for each emission with manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation. Sufficient time for the EUT, support equipment, and test equipment are allowed in order for them to warm up to their normal operating condition.

- Test configuration



#### 4.1.2 Calculation method

[9 kHz to 150 kHz]

Emission level = Reading + (Ant factor + Cable system loss)

Margin = Limit – Emission level

[150 kHz to 25 GHz]

Emission level = Reading + (Ant factor + Cable system loss - Amp. Gain)

Margin = Limit – Emission level

Example:

Limit @ 4824.0 MHz : 74.0 dBuV/m (Peak Limit)

S.A Reading = 49.5 dBuV Cable system loss = 8.4 dB

Result = 49.5 + 8.4 = 45.1 dBuV/m

Margin = 74.0 - 45.1 = 16.1 dB

#### 4.1.3 Limit

| Frequency<br>[MHz] | Field strength  |               | Distance<br>[m] |
|--------------------|-----------------|---------------|-----------------|
|                    | [uV/m]          | [dBuV/m]      |                 |
| 0.009-0.490        | 2400 / F [kHz]  | 20logE [uV/m] | 300             |
| 0.490-1.705        | 24000 / F [kHz] | 20logE [uV/m] | 30              |
| 1.705-30           | 30              | 29.5          | 30              |
| 30-88              | 100             | 40.0          | 3               |
| 88-216             | 150             | 43.5          | 3               |
| 216-960            | 200             | 46.0          | 3               |
| Above 960          | 500             | 54.0          | 3               |

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level [dBuV/m] = 20log Emission [uV/m]
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition modulation.

#### 4.1.4 Test data

|             |   |                          |               |   |                       |
|-------------|---|--------------------------|---------------|---|-----------------------|
| Date        | : | 30-March -2020           | Test engineer | : | <u>Kazunori Saito</u> |
| Temperature | : | 18.1 [°C]                |               |   |                       |
| Humidity    | : | 27.2 [%]                 |               |   |                       |
| Test place  | : | 3m Semi-anechoic chamber |               |   |                       |
| Date        | : | 1-April -2020            | Test engineer | : | <u>Taiki Watanabe</u> |
| Temperature | : | 25.8 [°C]                |               |   |                       |
| Humidity    | : | 38.5 [%]                 |               |   |                       |
| Test place  | : | 3m Semi-anechoic chamber |               |   |                       |
| Date        | : | 17-April -2020           | Test engineer | : | <u>Taiki Watanabe</u> |
| Temperature | : | 23.8 [°C]                |               |   |                       |
| Humidity    | : | 41.6 [%]                 |               |   |                       |
| Test place  | : | 3m Semi-anechoic chamber |               |   |                       |
| Date        | : | 21-April -2020           | Test engineer | : | <u>Taiki Watanabe</u> |
| Temperature | : | 27.2 [°C]                |               |   |                       |
| Humidity    | : | 36.1 [%]                 |               |   |                       |
| Test place  | : | 3m Semi-anechoic chamber |               |   |                       |
| Date        | : | 22-April -2020           | Test engineer | : | <u>Taiki Watanabe</u> |
| Temperature | : | 24.4 [°C]                |               |   |                       |
| Humidity    | : | 34.4 [%]                 |               |   |                       |
| Test place  | : | 3m Semi-anechoic chamber |               |   |                       |

#### 4.1.4.1 Transmission mode

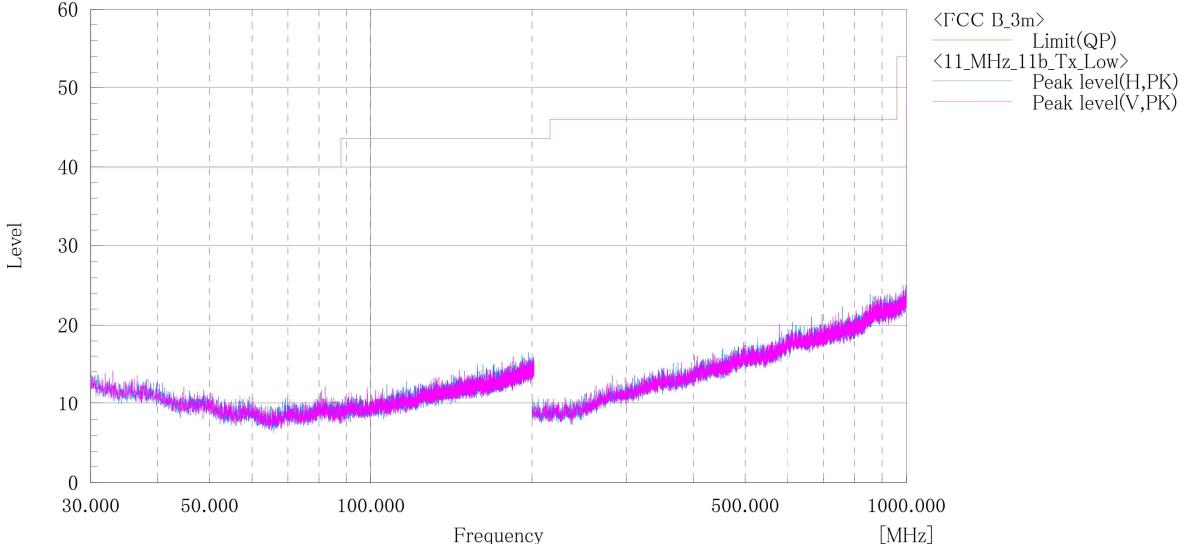
**[11b]**

##### Channel Low BELOW 1GHz

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Tx\_ch:Low

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 23.8[°C] 41.6[%]  
 Note1 :  
 Note2 :

[dB(μV/m)]



##### Final Result

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

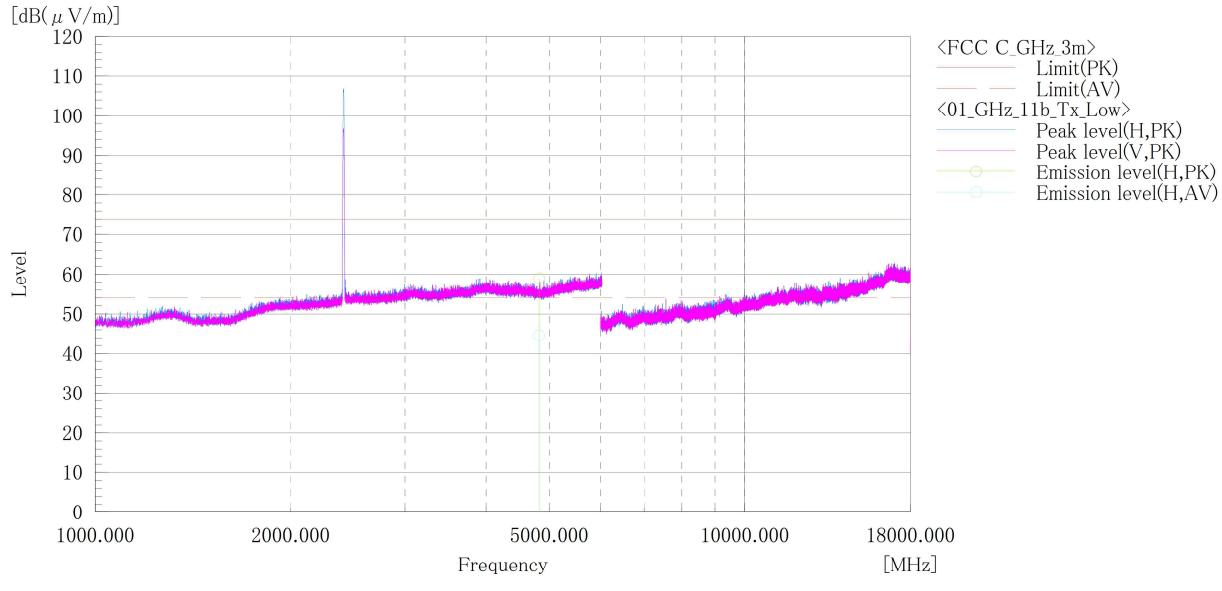
##### Note:

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.

**[11b]**  
**Channel Low**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1305  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Tx\_ch:Low

Standard : FCC Part.15 subpart C  
 Operator : K.Saito  
 Temp,Hum,Atm : 18.1[°C] 27.2[%]  
 Note1 :  
 Note2 :



## Final Result

| No. | Frequency [MHz] | (P) PK | Reading PK [dB(μV)] | Reading AV [dB(μV)] | c. f | Result PK [dB(1/m)] | Result AV [dB(1/m)] | Limit PK [dB(μV/m)] | Limit AV [dB(μV/m)] | Margin PK [dB] | Margin AV [dB] | Height [cm] | Angle [°] |
|-----|-----------------|--------|---------------------|---------------------|------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|-------------|-----------|
| 1   | 4824.000        | H      | 49.0                | 34.6                |      | 10.0                | 59.0                | 44.6                | 74.0                | 54.0           | 15.0           | 9.4         | 179.0     |

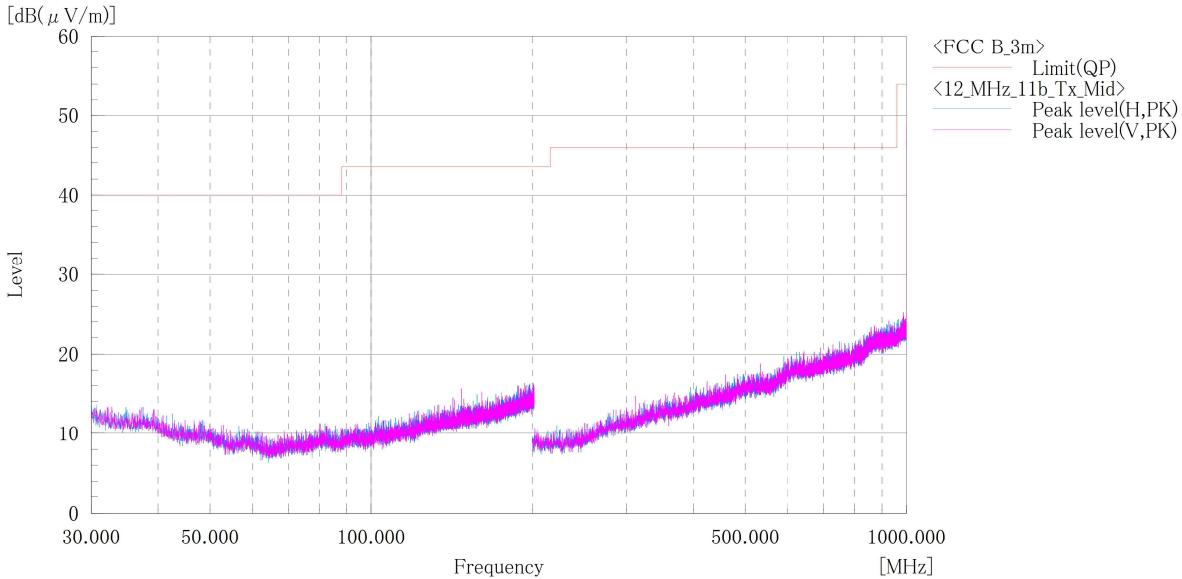
## Note:

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

**[11b]**
**Channel Middle**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Tx\_ch:Mid

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 23.8°C 41.6[%]  
 Note1 :  
 Note2 :

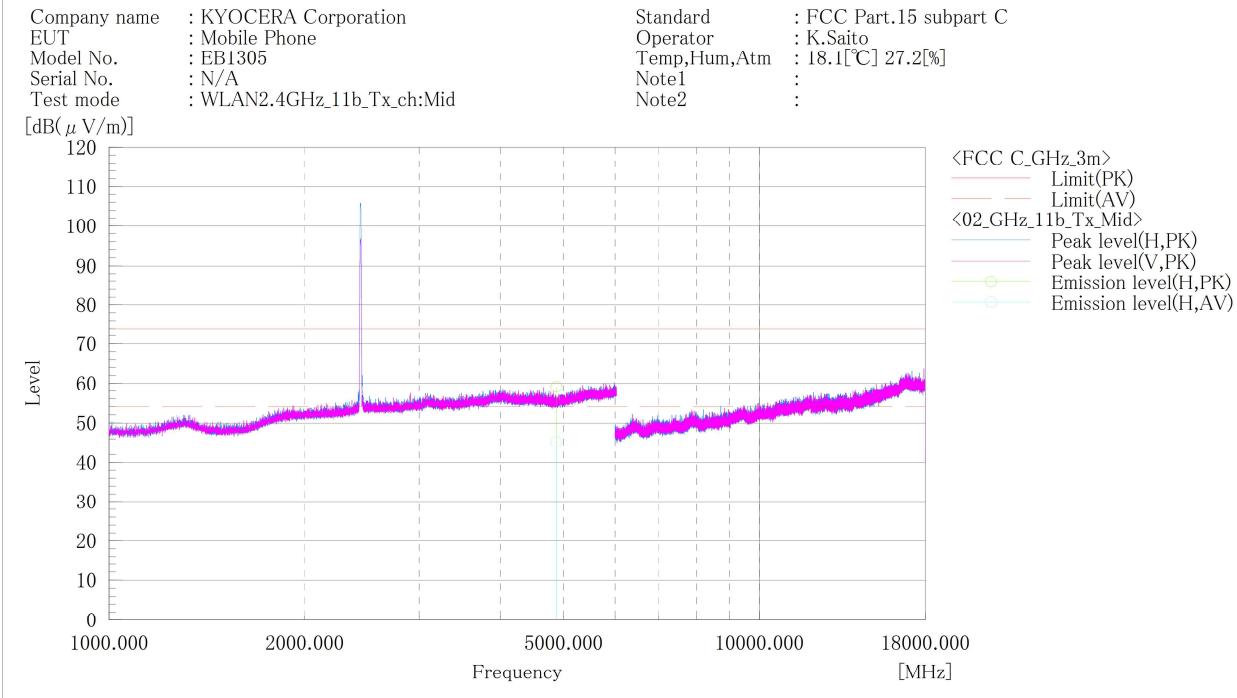
**Final Result**

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

**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.

**[11b]**  
**Channel Middle**  
**ABOVE 1GHz**



## Final Result

| No. | Frequency | (P) | Reading | Reading | c. f | Result | Result | Limit | Limit | Margin | Margin | Height | Angle |
|-----|-----------|-----|---------|---------|------|--------|--------|-------|-------|--------|--------|--------|-------|
|     | [MHz]     |     | PK      | AV      |      | PK     | AV     | PK    | AV    | PK     | AV     | [cm]   | [°]   |
| 1   | 4874.000  | H   | 49.1    | 35.2    | 10.0 | 59.1   | 45.2   | 74.0  | 54.0  | 14.9   | 8.8    | 251.0  | 17.0  |

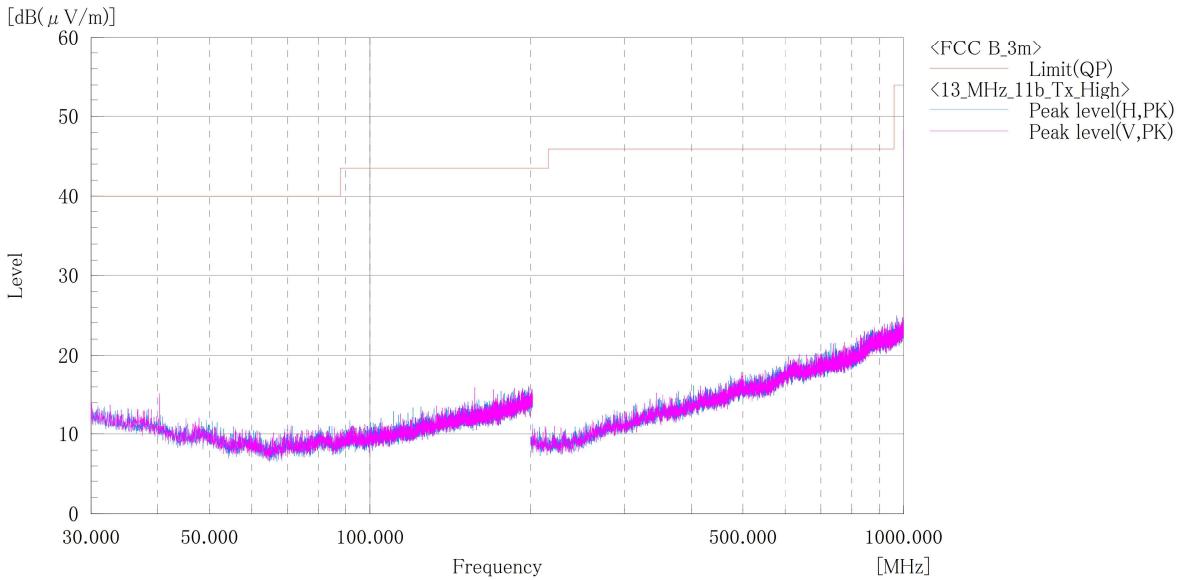
## Note:

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

**[11b]****Channel High  
BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Tx\_ch:High

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 23.8[°C] 41.6[%]  
 Note1 :  
 Note2 :

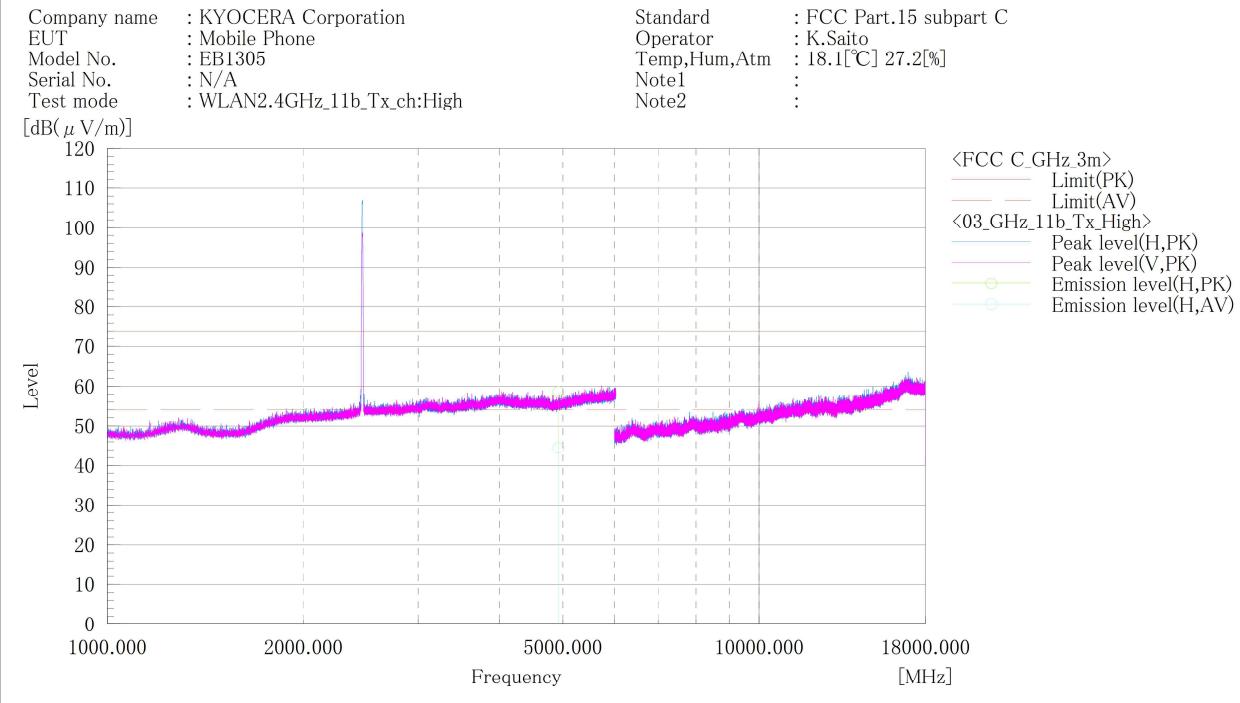
**Final Result**

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

**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.

**[11b]**  
**Channel High**  
**ABOVE 1GHz**



## Final Result

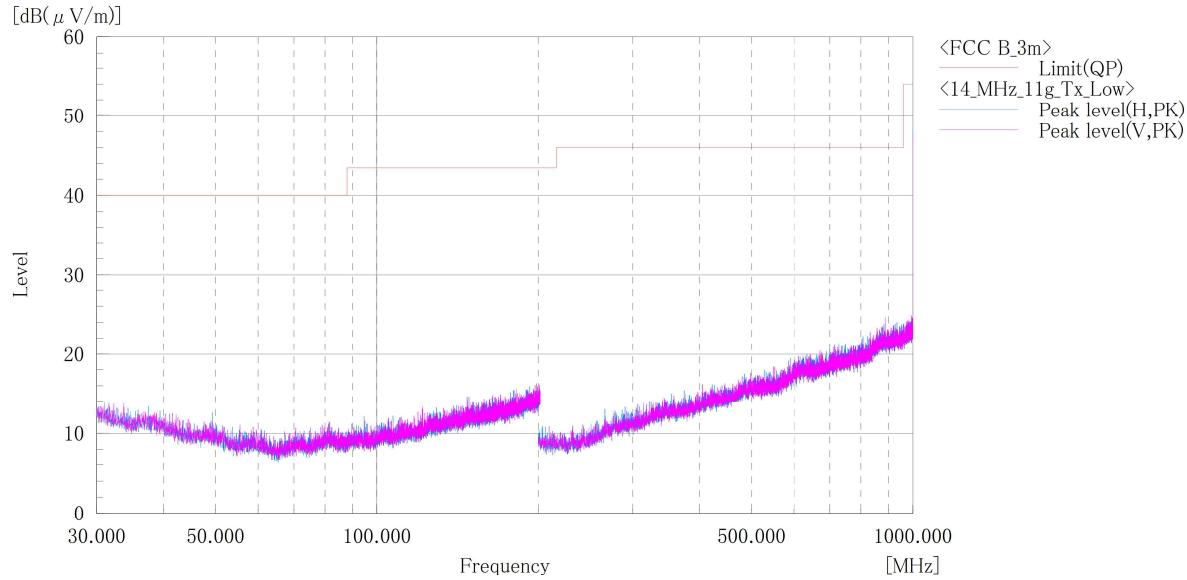
| No. | Frequency [MHz] | (P) PK | Reading dB(μV) | Reading dB(μV) | c. f. | Result dB(1/m) | Result dB(μV/m) | Result dB(μV/m) | Limit PK | Limit AV | Margin PK | Margin AV | Height [cm] | Angle [°] |
|-----|-----------------|--------|----------------|----------------|-------|----------------|-----------------|-----------------|----------|----------|-----------|-----------|-------------|-----------|
| 1   | 4924.000        | H      | 48.5           | 34.4           | 10.1  | 58.6           | 44.5            | 74.0            | 54.0     | 54.0     | 15.4      | 9.5       | 276.0       | 14.0      |

## Note:

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

**[11g]****Channel Low  
BELOW 1GHz**

|              |   |                          |          |   |                      |
|--------------|---|--------------------------|----------|---|----------------------|
| Company name | : | KYOCERA Corporation      | Standard | : | FCC Part.15 subpartC |
| EUT          | : | Mobile Phone             | Operator | : | T.Watanabe           |
| Model No.    | : | EB1035                   | Temp,Hum | : | 23.8[°C] 41.6[%]     |
| Serial No.   | : | N/A                      | Note1    | : |                      |
| Test mode    | : | WLAN2.4GHz_11g_Tx_ch:Low | Note2    | : |                      |

**Final Result**

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

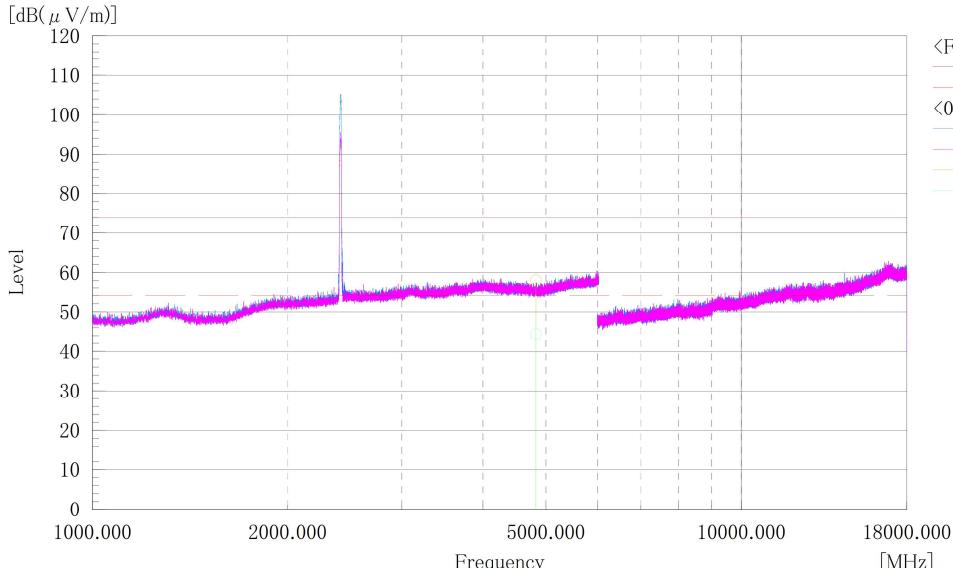
**Note:**

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.

**[11g]**  
**Channel Low**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11g\_Tx\_ch:Low

Standard : FCC Part.15 subpart C  
 Operator : K.Saito  
 Temp,Hum,Atm : 18.1[°C] 27.2[%]  
 Note1 :  
 Note2 :



<FCC C\_GHz\_3m>  
 Limit(PK)  
 Limit(AV)  
 <04\_GHz\_11g\_Tx\_Low>  
 Peak level(H,PK)  
 Peak level(V,PK)  
 Emission level(H,PK)  
 Emission level(H,AV)

## 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 [°] |
|-----|-----------------|-------------------------|---------------------|----------------|----------------------|----------------------|---------------------|---------------------|----------------|----------------|-------------|-----------|
| 1   | 4824.000        | H 48.1                  | 34.5                | 10.0           | 58.1                 | 44.5                 | 74.0                | 54.0                | 15.9           | 9.5            | 208.0       | 0.0       |

## Note:

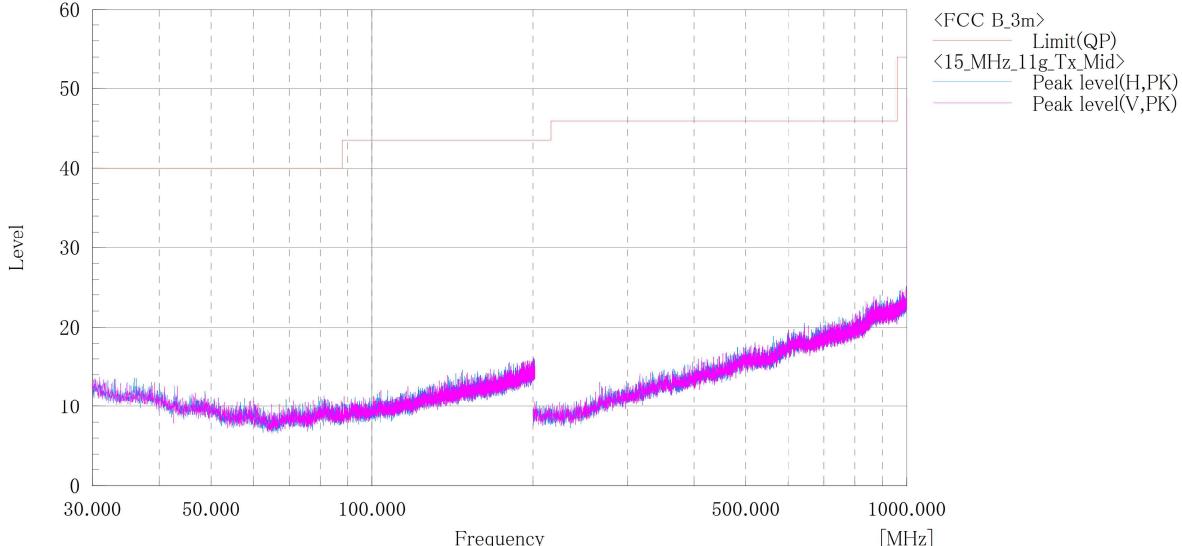
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

**[11g]**
**Channel Middle**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11g\_Tx\_ch:Mid

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 23.8[°C] 41.6[%]  
 Note1 :  
 Note2 :

[dB(μ V/m)]

**Final Result**

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

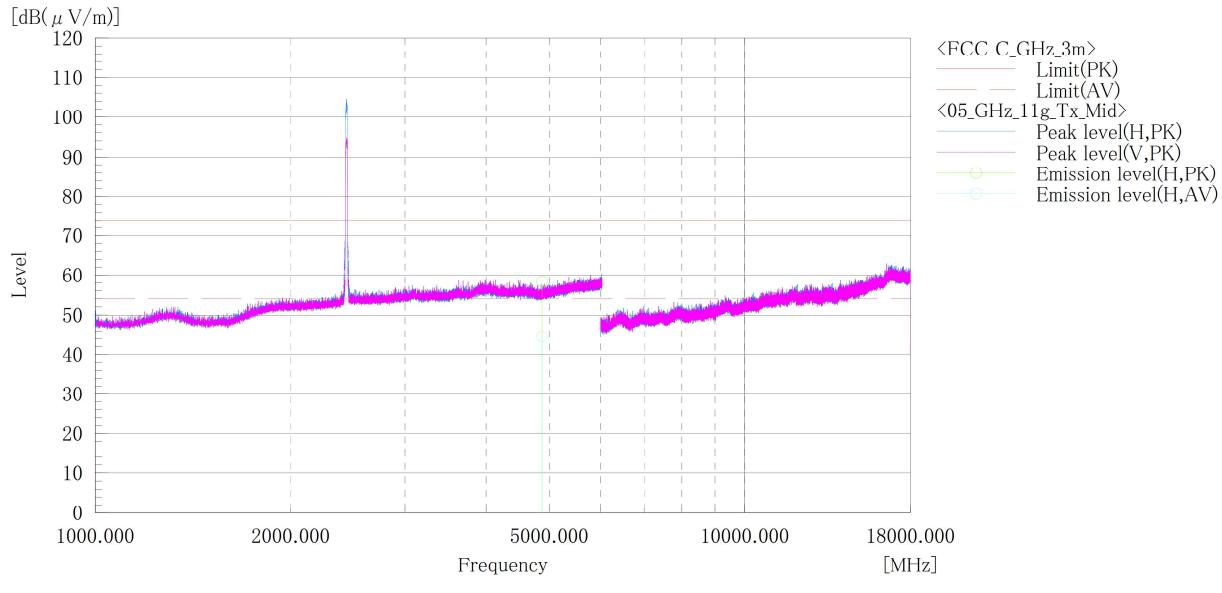
**Note:**

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.

**[11g]**  
**Channel Middle**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz.11g.Tx.ch:Mid

Standard : FCC Part.15 subpart C  
 Operator : K.Saito  
 Temp,Hum,Atm : 18.1[°C] 27.2[%]  
 Note1 :  
 Note2 :



## Final Result

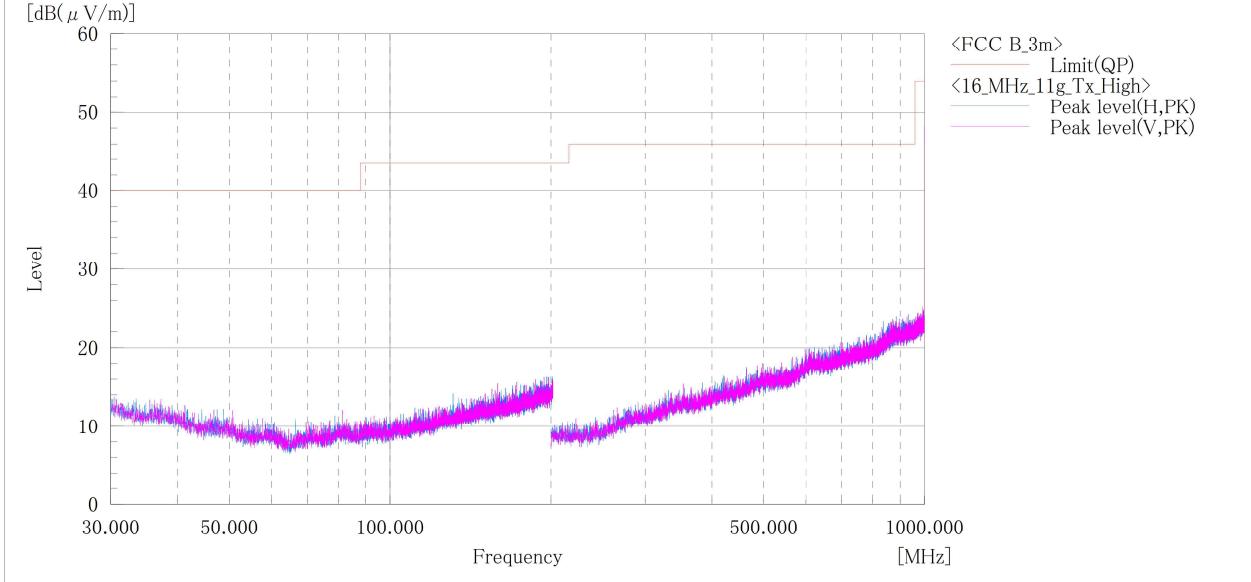
| No. | Frequency [MHz] | (P) Reading PK | Reading AV | c. f | Result PK | Result AV | Limit PK | Limit AV | Margin PK | Margin AV | Height [cm] | Angle [°] |
|-----|-----------------|----------------|------------|------|-----------|-----------|----------|----------|-----------|-----------|-------------|-----------|
| 1   | 4874.000        | H 48.4         | 34.6       |      | 10.0      | 58.4      | 44.6     | 74.0     | 54.0      | 15.6      | 9.4         | 251.0     |

## Note:

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

**[11g]**  
**Channel High**  
**BELLOW 1GHz**

|              |   |                           |          |   |                      |
|--------------|---|---------------------------|----------|---|----------------------|
| Company name | : | KYOCERA Corporation       | Standard | : | FCC Part.15 subpartC |
| EUT          | : | Mobile Phone              | Operator | : | T.Watanabe           |
| Model No.    | : | EB1035                    | Temp,Hum | : | 23.8[°C] 41.6[%]     |
| Serial No.   | : | N/A                       | Note1    | : |                      |
| Test mode    | : | WLAN2.4GHz_11g_Tx_ch:High | Note2    | : |                      |



## Final Result

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

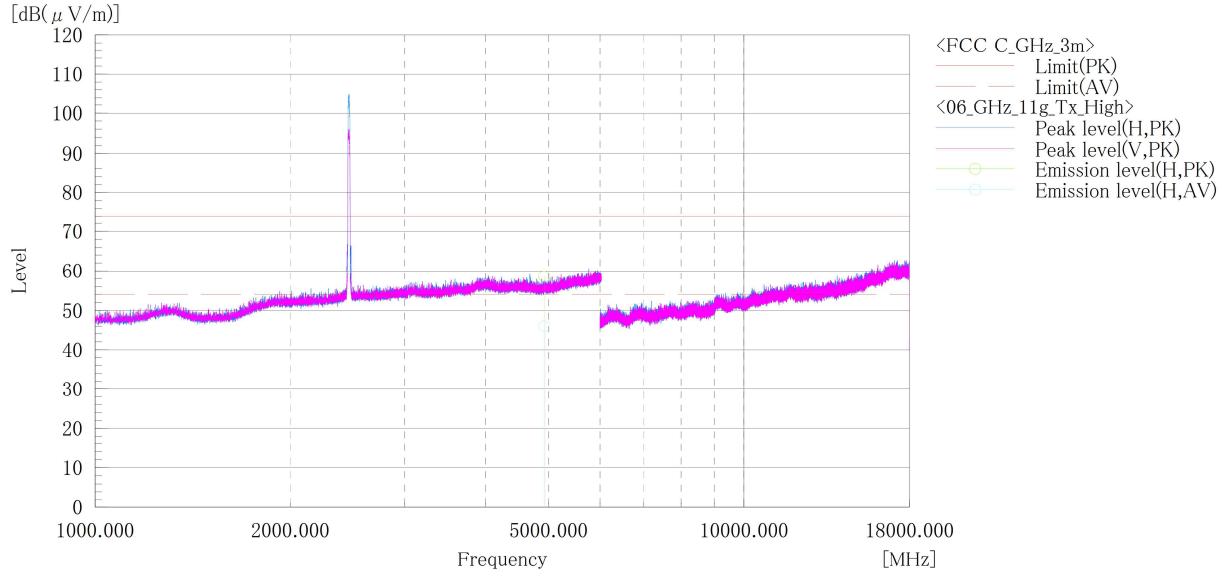
## Note:

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.

**[11g]**  
**Channel High**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11g\_Tx\_ch:High

Standard : FCC Part.15 subpart C  
 Operator : T.Watanabe  
 Temp,Hum,Atm : 25.8[°C] 38.5[%]  
 Note1 :  
 Note2 :



## Final Result

| No. | Frequency | (P) | Reading | Reading  | c. f.    | Result    | Result     | Limit | Limit | Margin | Margin | Height | Angle | Remark |
|-----|-----------|-----|---------|----------|----------|-----------|------------|-------|-------|--------|--------|--------|-------|--------|
|     | [MHz]     | PK  | AV      | [dB(µV)] | [dB(µV)] | [dB(1/m)] | [dB(µV/m)] | PK    | AV    | PK     | AV     | [cm]   | [°]   |        |
| 1   | 4924.000  | H   | 48.2    | 35.7     | 10.4     | 58.6      | 46.1       | 74.0  | 54.0  | 15.4   | 7.9    | 151.0  | 306.0 |        |

## Note:

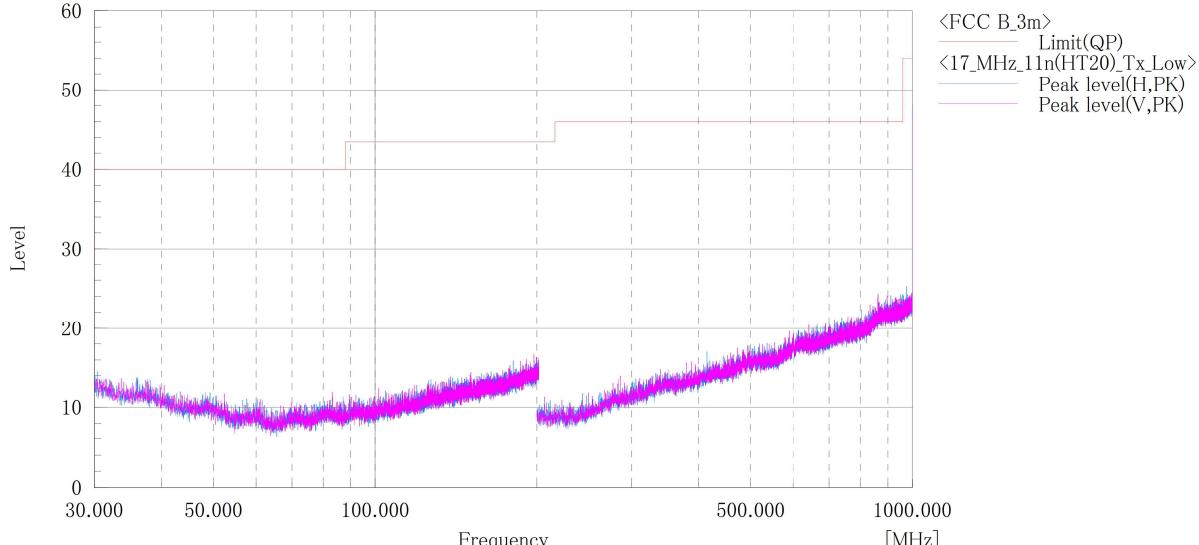
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

**[11n(HT20)]**  
**Channel Low**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11n(HT20)\_Tx\_ch:Low

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 27.2[°C] 36.1[%]  
 Note1 :  
 Note2 :

[dB(μV/m)]



## Final Result

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

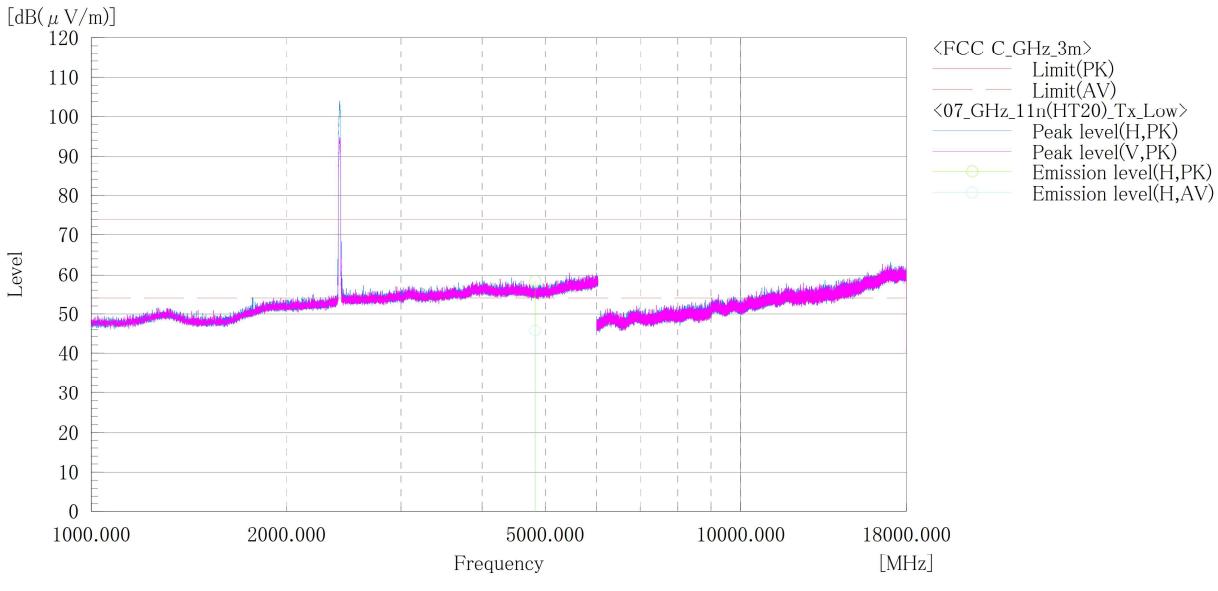
## Note:

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.

**[11n(HT20)]**  
**Channel Low**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11n(HT20)\_Tx\_ch:Low

Standard : FCC Part.15 subpart C  
 Operator : T.Watanabne  
 Temp,Hum,Atm : 25.8[°C] 38.5[%]  
 Note1 :  
 Note2 :



## Final Result

| No. | Frequency (P)<br>[MHz] | Reading PK<br>[dB(μV)] | Reading AV<br>[dB(μV)] | c. f<br>[dB(1/m)] | Result PK<br>[dB(μV/m)] | Result AV<br>[dB(μV/m)] | Limit PK<br>[dB(μV/m)] | Limit AV<br>[dB(μV/m)] | Margin PK<br>[dB] | Margin AV<br>[dB] | Height<br>[cm] | Angle<br>[°] | Remark |
|-----|------------------------|------------------------|------------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------|-------------------|----------------|--------------|--------|
| 1   | 4824.000               | H 48.0                 | 35.4                   | 10.3              | 58.3                    | 45.7                    | 74.0                   | 54.0                   | 15.7              | 8.3               | 118.0          | 262.0        |        |

## Note:

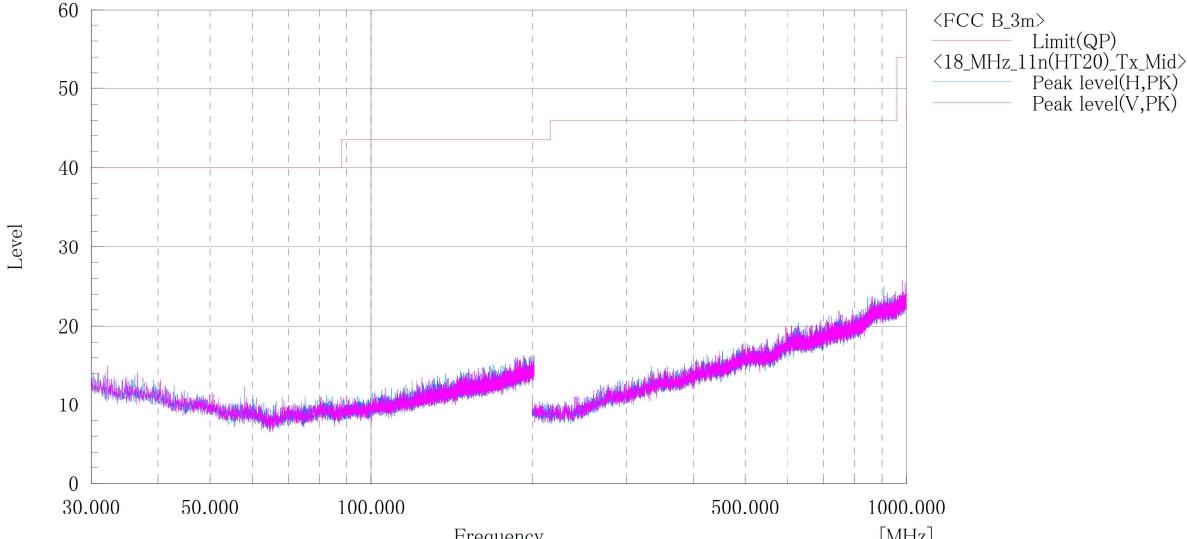
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

**[11n(HT20)]**  
**Channel Middle**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz.11n(HT20) Tx ch:Mid

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 27.2[°C] 36.1[%]  
 Note1 :  
 Note2 :

[dB(μV/m)]



## Final Result

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

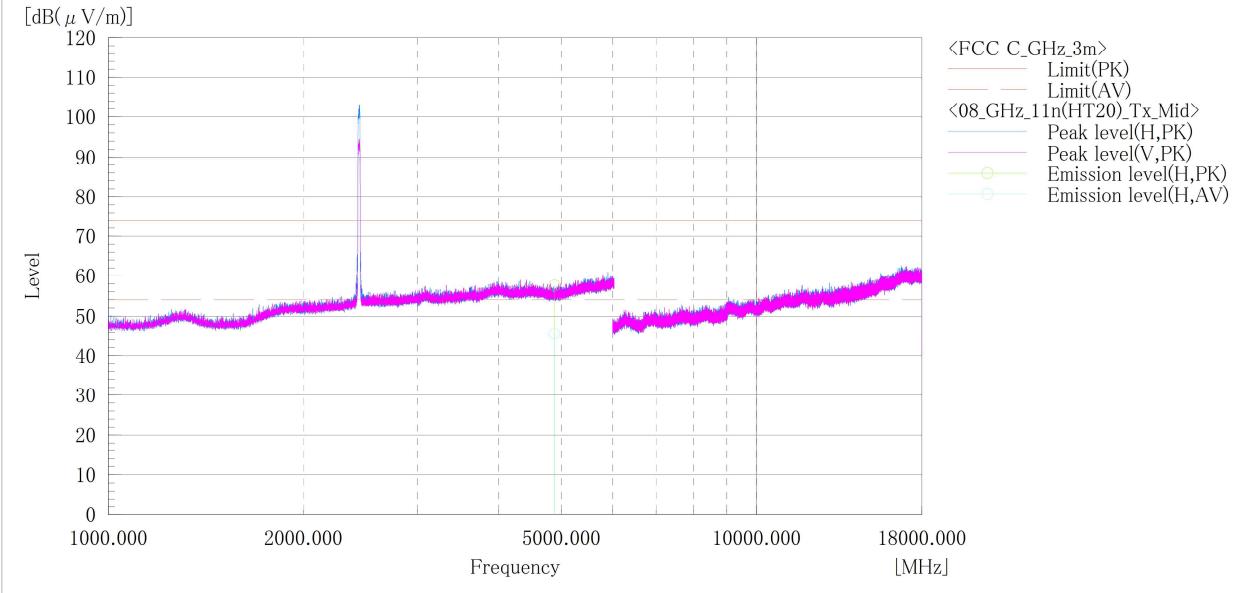
## Note:

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.

**[11n(HT20)]**  
**Channel Middle**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11n(HT20)\_Tx\_ch:Mid

Standard : FCC Part.15 subpart C  
 Operator : T.Watanabe  
 Temp,Hum,Atm : 25.8[°C] 38.5[%]  
 Note1 :  
 Note2 :



## Final Result

| No. | Frequency (P)<br>[MHz] | Reading PK<br>[dB(μV)] | Reading AV<br>[dB(μV)] | c. f<br>[dB(1/m)] | Result PK<br>[dB(μV/m)] | Result AV<br>[dB(μV/m)] | Limit PK<br>[dB(μV/m)] | Limit AV<br>[dB(μV/m)] | Margin PK<br>[dB] | Margin AV<br>[dB] | Height [cm] | Angle [°] | Remark |
|-----|------------------------|------------------------|------------------------|-------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------|-------------------|-------------|-----------|--------|
| 1   | 4874.000               | H 47.2                 | 35.3                   | 10.3              | 57.5                    | 45.6                    | 74.0                   | 54.0                   | 16.5              | 8.4               | 143.0       | 178.0     |        |

## Note:

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

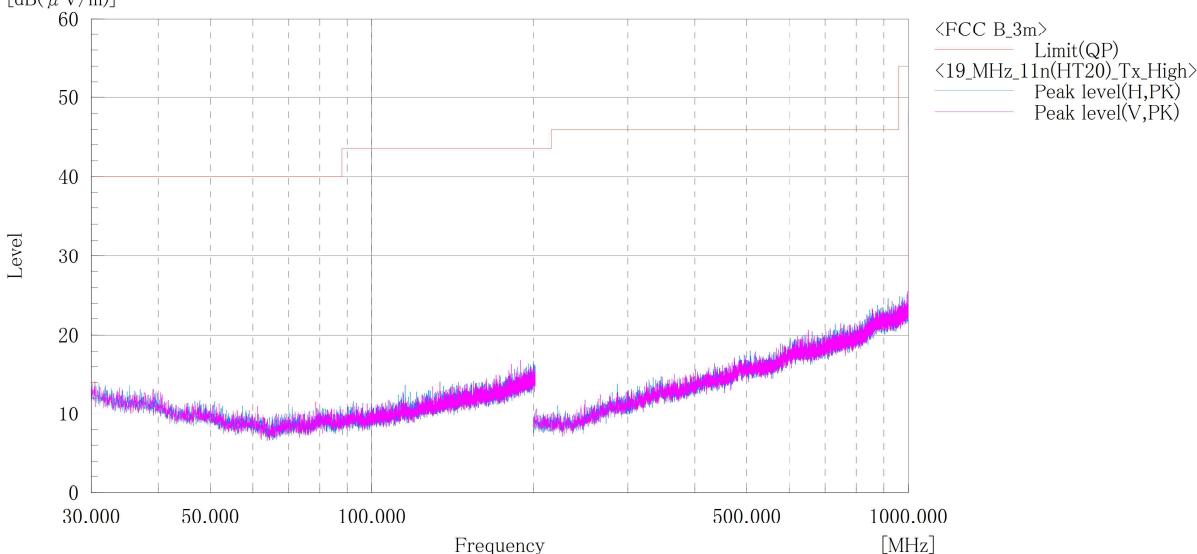


Japan

[11n(HT20)]  
Channel High  
BELOW 1GHz

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : WLAN2.4GHz\_11n(HT20)\_Tx.ch:High  
[dB(0.1V/m)]

Standard : FCC Part.15 subpartC  
Operator : T.Watanabe  
Temp,Hum : 24.4[°C] 34.4[%]  
Note1 :  
Note2 :



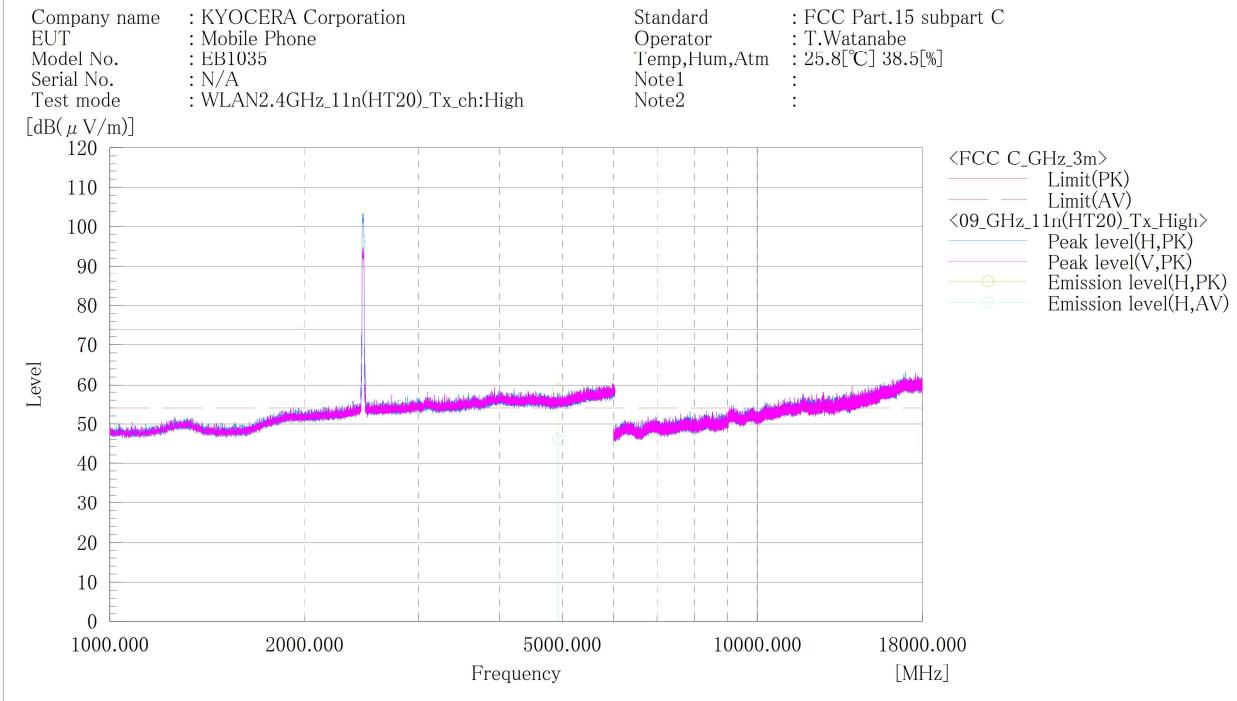
## Final Result

| 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.

**[11n(HT20)]**  
**Channel High**  
**ABOVE 1GHz**



## Final Result

| No. | Frequency (P)<br>[MHz] | Reading<br>PK<br>H | Reading<br>AV<br>H | c.f. | Result<br>PK<br>[dB(μV)] | Result<br>AV<br>[dB(μV)] | Limit<br>PK<br>[dB(μV)] | Limit<br>AV<br>[dB(μV)] | Margin<br>PK<br>[dB] | Margin<br>AV<br>[dB] | Height<br>[cm] | Angle<br>[°] | Remark |
|-----|------------------------|--------------------|--------------------|------|--------------------------|--------------------------|-------------------------|-------------------------|----------------------|----------------------|----------------|--------------|--------|
| 1   | 4924.000               | 48.5               | 35.7               | 10.4 | 58.9                     | 46.1                     | 74.0                    | 54.0                    | 15.1                 | 7.9                  | 151.0          | 70.0         |        |

## Note:

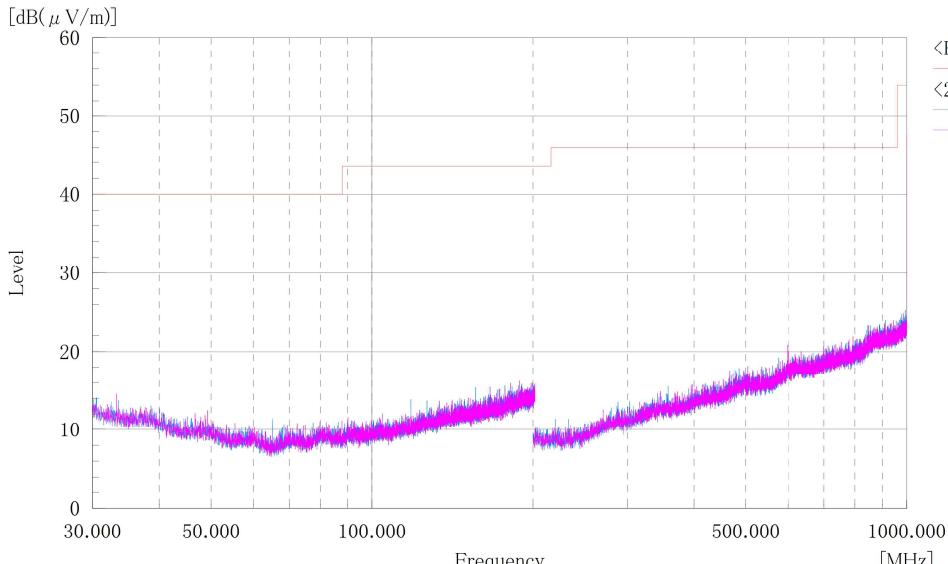
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 25GHz at the 3 meters distance.

#### 4.1.4.2 Receive mode

##### Channel Low BELOW 1GHz

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Rx\_ch:Low

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 24.4[°C] 34.4[%]  
 Note1 :  
 Note2 :



<FCC B.3m>  
 Limit(QP)  
 <20\_MHz\_Rx\_Low>  
 Peak level(H,PK)  
 Peak level(V,PK)

##### Final Result

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

##### Note:

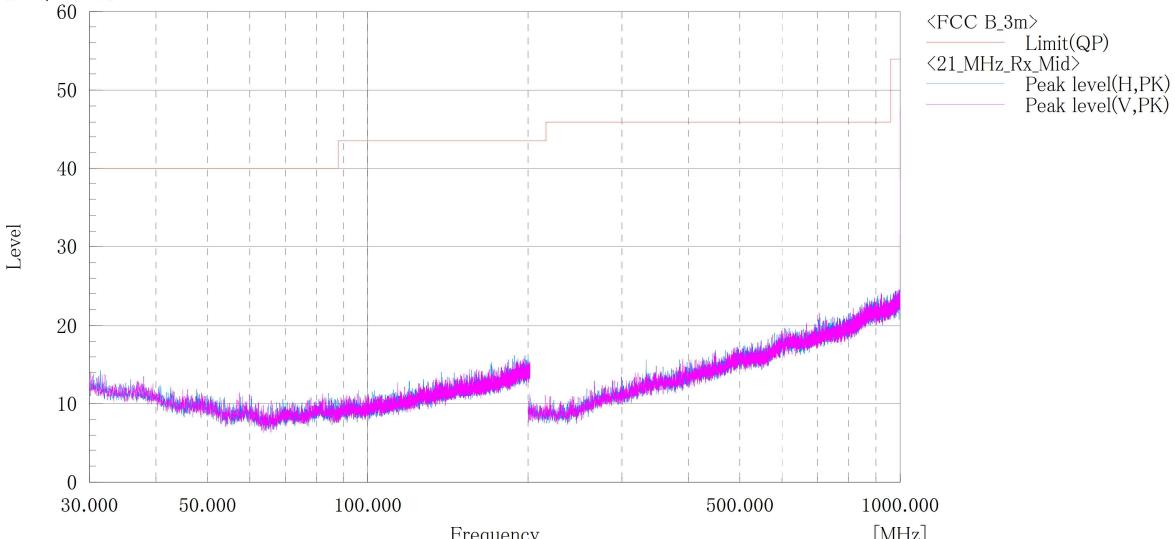
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz and 1GHz to 25GHz at the 3 meters distance.

**Channel Middle  
BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Rx\_ch:Mid

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 24.4[°C] 34.4[%]  
 Note1 :  
 Note2 :

[dB(μV/m)]


**Final Result**

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

**Note:**

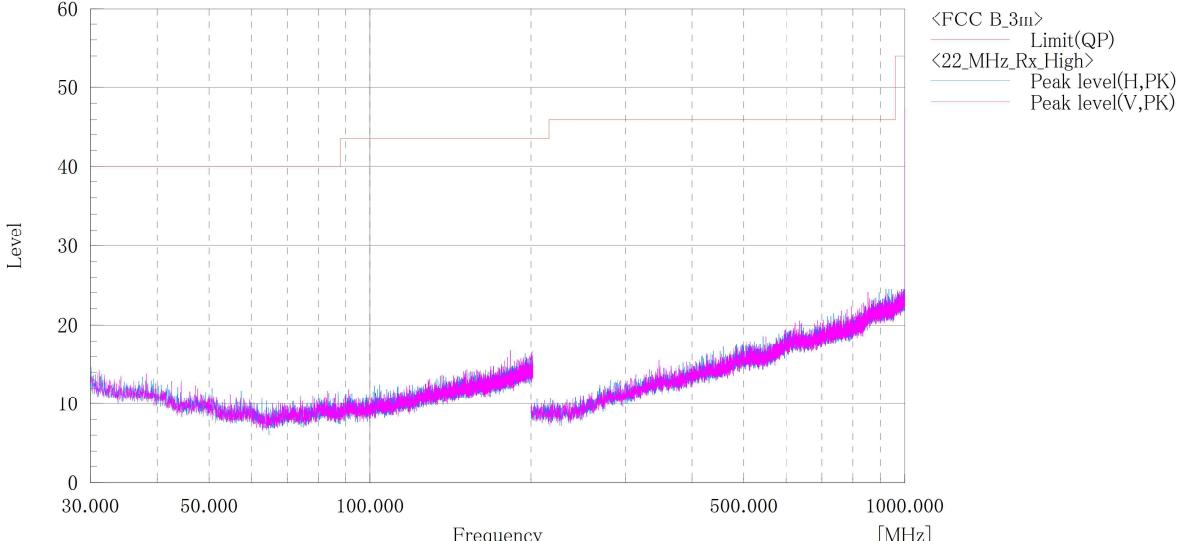
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz and 1GHz to 25GHz at the 3 meters distance.

**Channel High  
BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : WLAN2.4GHz\_11b\_Rx\_ch:High

Standard : FCC Part.15 subpartC  
 Operator : T.Watanabe  
 Temp,Hum : 24.4[°C] 34.4[%]  
 Note1 :  
 Note2 :

[dB(μV/m)]


**Final Result**

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

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz and 1GHz to 25GHz at the 3 meters distance.