

## Report on the RF Testing of:

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

## In accordance with FCC Part15 Subpart E

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

Document Number: JPD-TR-20032-0

### SIGNATURE

| NAME           | JOB TITLE                  | RESPONSIBLE FOR    | ISSUE DATE  |
|----------------|----------------------------|--------------------|-------------|
| 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 E.



Certificate #3686.03

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## 1 Summary of Test

### 1.1 Modification history of the test report

| Document Number | Modification History | Issue Date              |
|-----------------|----------------------|-------------------------|
| JPD-TR-20032-0  | First Issue          | Refer to the cover page |

### 1.2 Standards

CFR47 FCC Part 15 Subpart E

### 1.3 Test methods

ANSI C63.10-2013  
KDB789033 D02 General U-NII Test Procedures New Rules v02r01

### 1.4 Deviation from standards

None

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

| Test item section             | Test item                                             | Condition | Result | Remark |
|-------------------------------|-------------------------------------------------------|-----------|--------|--------|
| 15.407(a)                     | 26dB Bandwidth                                        | Conducted | N/A    | *1     |
| 15.407(a)                     | Maximum Conducted Output Power                        | Conducted | N/A    | *1     |
| 15.407(a)                     | Peak Power Spectral Density                           | Conducted | N/A    | *1     |
| 15.407(b)<br>15.205<br>15.209 | Radiated emissions<br>(Restricted Bands of Operation) | Radiated  | PASS   | -      |
| 15.407(g)                     | Frequency Stability                                   | 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-19188-0" of "FCC ID: JOYCB70".

### 1.6 Test information

None

### 1.7 Test set up

Table-top

### 1.8 Test period

3-April-2020 - 29-April-2020

## 2 Equipment Under Test

### 2.1 EUT information

|                            |                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant                  | KYOCERA Corporation<br>Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi,<br>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 × (D) 159.0 × (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                   | IEEE802.11a,<br>IEEE802.11n (HT20), IEEE802.11n (HT40)<br>IEEE802.11ac (HT20), IEEE802.11ac (HT40),<br>IEEE802.11ac (HT80)                                                                  |
| Frequency range            | IEEE802.11a/n/ac (HT20): 5180 MHz-5320 MHz, 5500 MHz-5700 MHz<br>IEEE802.11n/ac (HT40): 5190 MHz-5310 MHz, 5510 MHz-5670 MHz<br>IEEE802.11ac (HT80): 5210 MHz, 5290 MHz, 5530 MHz, 5610 MHz |
| Number of RF Channels      | IEEE802.11a/n/ac (HT20): 19 Channels<br>IEEE802.11n/ac (HT40): 9 Channels<br>IEEE802.11ac (HT80): 4 Channels                                                                                |
| Modulation type            | IEEE802.11a/n/ac: OFDM (BPSK, QPSK, 16QAM, 64QAM,<br>256QAM)                                                                                                                                |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data rate          | IEEE802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<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<br>IEEE802.11ac (HT20 LGI): 6.5, 13, 19.5, 26, 39, 52, 58.5, 65, 78, 86.5Mbps<br>IEEE802.11ac (HT20 SGI): 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.6, 96.1Mbps<br>IEEE802.11n (HT40 LGI): 13.5, 27, 40.5, 54, 81, 108, 121.5, 135Mbps<br>IEEE802.11n (HT40 SGI): 15, 30, 45, 60, 90, 120, 135, 150Mbps<br>IEEE802.11ac (HT40 LGI): 13.5, 27, 40.5, 54, 81, 108, 121.5, 135, 162, 180Mbps<br>IEEE802.11ac (HT40 SGI): 15, 30, 45, 60, 90, 120, 135, 150, 180, 200Mbps<br>IEEE802.11ac (HT80 LGI): 29.3, 58.5, 87.8, 117, 175.5, 234, 263.3, 292.6, 351, 390Mbps<br>IEEE802.11ac (HT80 SGI): 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3Mbps |
| Channel separation | IEEE802.11a/n/ac (HT20): 20 MHz<br>IEEE802.11n/ac (HT40): 40 MHz<br>IEEE802.11ac (HT80): 80 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Output power       | 19.477 mW (IEEE802.11a)<br>17.781 mW (IEEE802.11n: HT20)<br>20.405 mW (IEEE802.11n: HT40)<br>18.613 mW (IEEE802.11ac: HT80)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Antenna type       | Internal antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Antenna gain       | 5.15-5.25 GHz band: -0.2 dBi<br>5.25-5.35 GHz band: -0.2 dBi<br>5.47-5.725 GHz band: +2.0 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

### [IEEE802.11a/n (HT20)]

| Channel | Frequency [MHz] |
|---------|-----------------|
| 36      | 5180            |
| 40      | 5200            |
| 44      | 5220            |
| 48      | 5240            |
| 52      | 5260            |
| 56      | 5280            |
| 60      | 5300            |
| 64      | 5320            |
| 100     | 5500            |
| 104     | 5520            |
| 108     | 5540            |
| 112     | 5560            |
| 116     | 5580            |
| 120     | 5600            |
| 124     | 5620            |
| 128     | 5640            |
| 132     | 5660            |
| 136     | 5680            |
| 140     | 5700            |

### [IEEE802.11n (HT40)]

| Channel | Frequency [MHz] |
|---------|-----------------|
| 38      | 5190            |
| 46      | 5230            |
| 54      | 5270            |
| 62      | 5310            |
| 102     | 5510            |
| 110     | 5550            |
| 118     | 5590            |
| 126     | 5630            |
| 134     | 5670            |

### [IEEE802.11ac (HT80)]

| Channel | Frequency [MHz] |
|---------|-----------------|
| 42      | 5210            |
| 58      | 5290            |
| 106     | 5530            |
| 122     | 5610            |

## 2.5 Description of test mode

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

| Band         | IEEE802.11a/n/ac (HT20) |                 | IEEE802.11n/ac (HT40) |                 | IEEE802.11ac (HT80) |                 |
|--------------|-------------------------|-----------------|-----------------------|-----------------|---------------------|-----------------|
|              | Channel                 | Frequency [MHz] | Channel               | Frequency [MHz] | Channel             | Frequency [MHz] |
| 5.2 GHz Band | 36                      | 5180            | 38                    | 5190            | 42                  | 5210            |
|              | 40                      | 5200            | -                     | -               | -                   | -               |
|              | 48                      | 5240            | 46                    | 5230            | -                   | -               |
| 5.3 GHz Band | 52                      | 5260            | 54                    | 5270            | 58                  | 5290            |
|              | 56                      | 5280            | -                     | -               | -                   | -               |
|              | 64                      | 5320            | 62                    | 5310            | -                   | -               |
| 5.6 GHz Band | 100                     | 5500            | 102                   | 5510            | 106                 | 5530            |
|              | 116                     | 5580            | 110                   | 5550            | 122                 | 5610            |
|              | 140                     | 5700            | 134                   | 5670            | -                   | -               |

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

| Band         | Modulation Type           | Data Rate       |
|--------------|---------------------------|-----------------|
| 5.2 GHz Band | IEEE802.11a: OFDM         | 6Mbps           |
|              | IEEE802.11n (HT20): OFDM  | MCS0 (6.5Mbps)  |
|              | IEEE802.11n (HT40): OFDM  | MCS0 (13.5Mbps) |
|              | IEEE802.11ac (HT80): OFDM | MCS0 (29.3Mbps) |
| 5.3 GHz Band | IEEE802.11a: OFDM         | 6Mbps           |
|              | IEEE802.11n (HT20): OFDM  | MCS0 (6.5Mbps)  |
|              | IEEE802.11n (HT40): OFDM  | MCS0 (13.5Mbps) |
|              | IEEE802.11ac (HT80): OFDM | MCS0 (29.3Mbps) |
| 5.6 GHz Band | IEEE802.11a: OFDM         | 6Mbps           |
|              | IEEE802.11n (HT20): OFDM  | MCS0 (6.5Mbps)  |
|              | IEEE802.11n (HT40): OFDM  | MCS0 (13.5Mbps) |
|              | IEEE802.11ac (HT80): OFDM | MCS0 (29.3Mbps) |

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

- Test program setup to the Software
- Select a Test mode  
Operating frequency: 5.2GHz Band, 5.3GHz Band, 5.6GHz Band
- Start test mode

### - Rx mode

- Test program setup to the Software
- Select a Test mode  
Operating frequency: 5.2GHz Band, 5.3GHz Band, 5.6GHz Band
- Start test mode

### 3 Configuration of Equipment

Numbers assigned to equipment on the diagram in “3.3 System configuration” correspond to the lists 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          | *       |

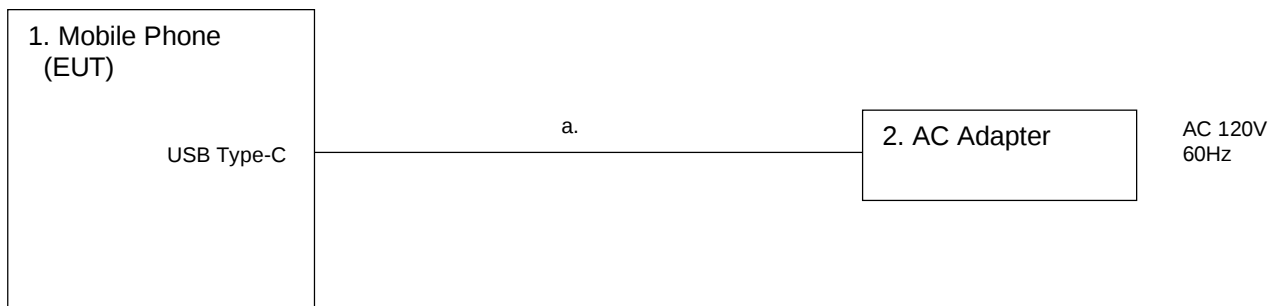
\*: AC power line Conducted Emission Test.

#### 3.2 Cable(s) used

| No. | Cable                      | 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 Radiated Emissions (Restricted Bands of Operation)

#### 4.1.1 Measurement procedure

[FCC 15.407(b), 15.205, 15.209, KDB 789033 D02, Section G.4, 5, 6.c)Method AD]

Test was applied by following conditions.

|                           |                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Test method               | : ANSI C63.10                                                                                                                  |
| Frequency range           | : 9 kHz to 40 GHz                                                                                                              |
| Test place                | : 3m Semi-anechoic chamber                                                                                                     |
| EUT was placed on         | : Styrofoam table / (W) 1.0 × (D) 1.0 ×(H) 0.8 m (below 1 GHz)<br>Styrofoam table / (W) 0.6 × (D) 0.6 ×(H) 1.5 m (above 1 GHz) |
| Antenna distance          | : 3m                                                                                                                           |
| Test receiver setting     | Below 1 GHz                                                                                                                    |
| - Detector                | : Quasi-peak                                                                                                                   |
| - Bandwidth               | : 120 kHz                                                                                                                      |
| Spectrum analyzer setting | Above 1 GHz                                                                                                                    |
| - Peak                    | : RBW=1 MHz, VBW=3 MHz, Span=0 Hz, Sweep=auto, Detector=Peak<br>Trace mode=Max hold                                            |
| - Average                 | : RBW=1 MHz, VBW=3 MHz, Span=0 Hz, Sweep=auto, Detector=RMS<br>Trace mode=Averaging(300 counts)                                |

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

The EUT is Placed on a turntable, which is 0.8m (below 1 GHz) and 1.5m (above 1 GHz) 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.

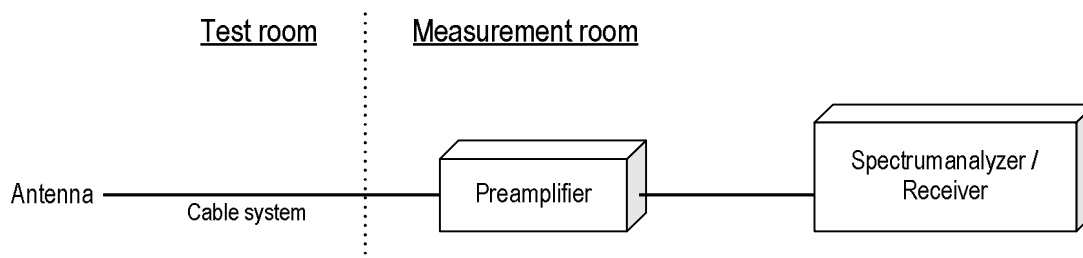
The EUT was set to operate with following conditions.

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

The test mode of EUT is as follows.

- Tx mode, Rx mode

- Test configuration



## Duty cycle result

| Mode                | Band | On Time(ms) | On+Off Time(ms) | Duty Cycle (%) | DCF (dB) |
|---------------------|------|-------------|-----------------|----------------|----------|
| 802.11a             | W52  | 1.392       | 1.436           | 96.94          | 0.135    |
|                     | W53  | 1.392       | 1.436           | 96.94          | 0.135    |
|                     | W56  | 1.392       | 1.436           | 96.94          | 0.135    |
| 802.11n<br>(20MHz)  | W52  | 1.288       | 1.332           | 96.70          | 0.146    |
|                     | W53  | 1.288       | 1.332           | 96.70          | 0.146    |
|                     | W56  | 1.286       | 1.328           | 96.84          | 0.140    |
| 802.11n<br>(40MHz)  | W52  | 0.636       | 0.680           | 93.53          | 0.291    |
|                     | W53  | 0.635       | 0.680           | 93.38          | 0.297    |
|                     | W56  | 0.635       | 0.680           | 93.38          | 0.297    |
| 802.11ac<br>(80MHz) | W52  | 0.324       | 0.369           | 87.80          | 0.565    |
|                     | W53  | 0.323       | 0.368           | 87.77          | 0.566    |
|                     | W56  | 0.324       | 0.369           | 87.88          | 0.561    |

Note: DCF =  $10\log(1/x)$ 

## 4.1.2 Calculation method

[150 kHz to 25 GHz]

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

Margin = Limit - Emission level

Example:

Detector: Peak

Limit @ 5147.0 MHz: 74.0 dBuV/m (Peak Limit)

S.A Reading = 40.9 dBuV Cable system loss = 16.4 dB

Result =  $40.9 + 16.4 = 57.3$  dBuV/mMargin =  $74.0 - 57.3 = 16.7$  dB

#### 4.1.3 Limit

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725GHz band: all emissions outside of the 5.47 5-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.

| 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 20dB under any condition modulation.

#### 4.1.4 Test data

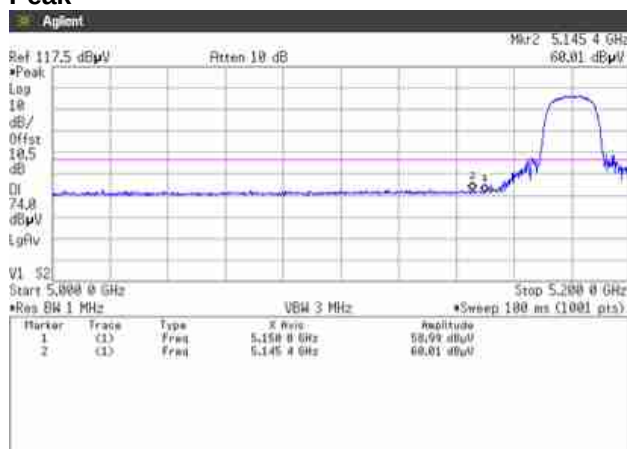
Date : 21-April-2020  
 Temperature : 27.2 [°C]  
 Humidity : 36.1 [%]  
 Test place : 3m Semi-anechoic chamber

Test engineer : Taiki Watanabe

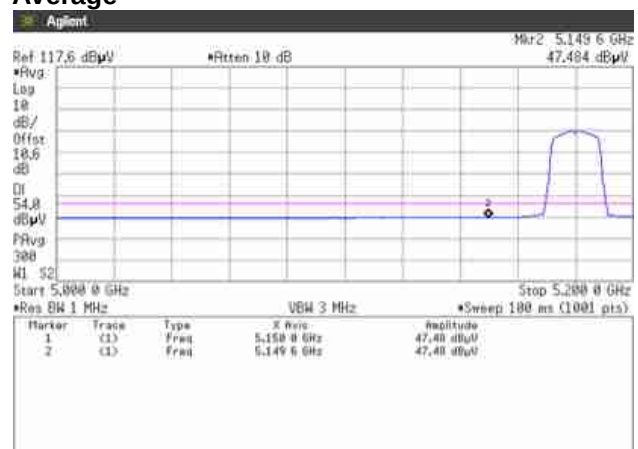
##### 4.1.4.1 Restricted Bandedge

[IEEE802.11a]

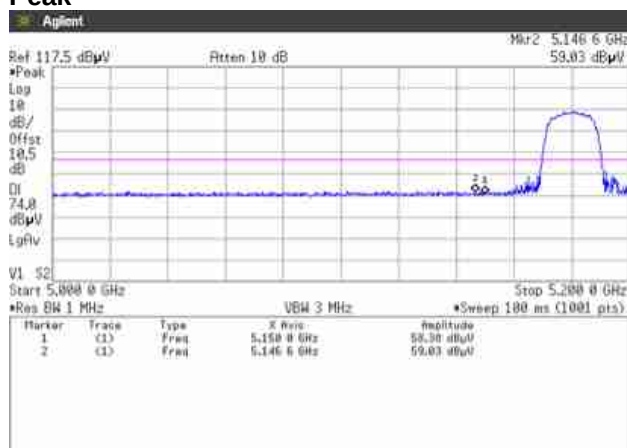
#### 5.2 GHz Band, Channel Low Horizontal Peak



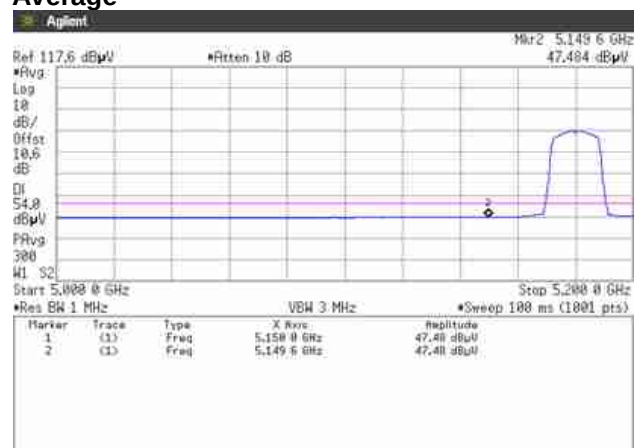
#### Average



#### Vertical Peak

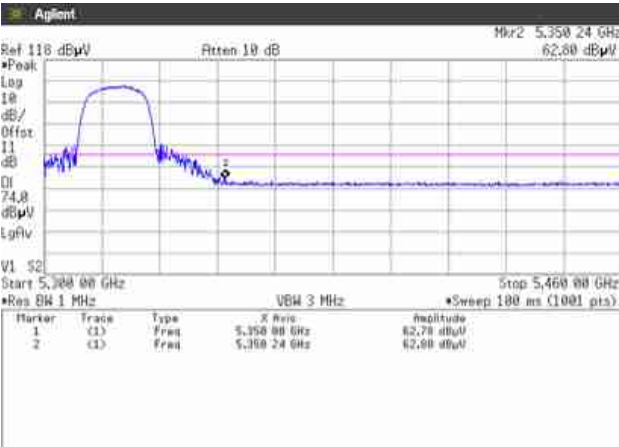


#### Average

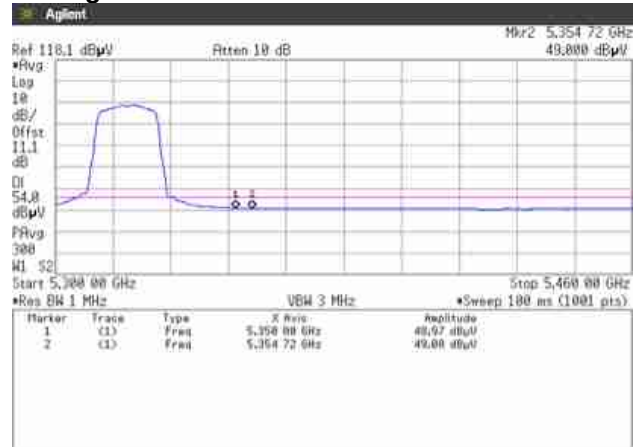


[IEEE802.11a]

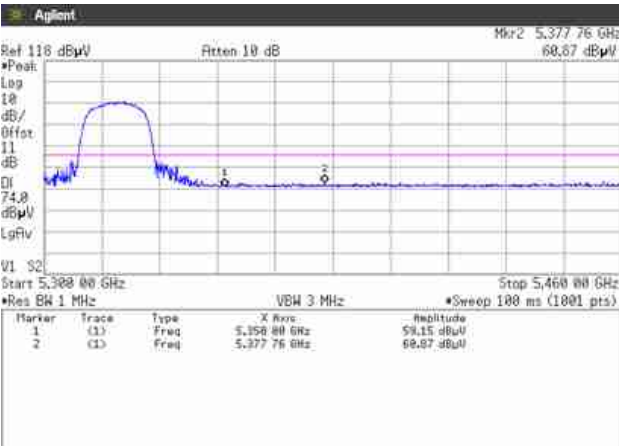
**5.3 GHz Band, Channel High  
Horizontal  
Peak**



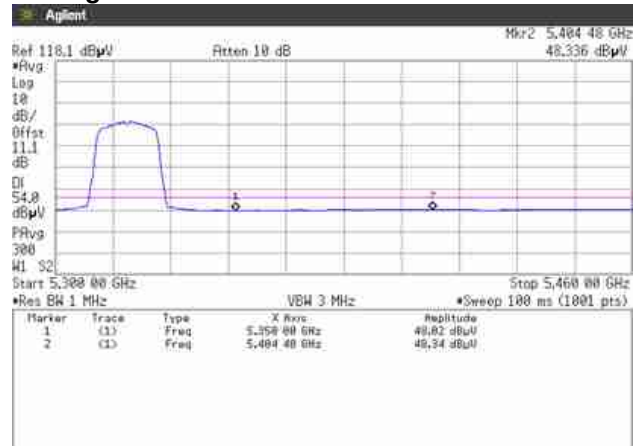
**Average**



**Vertical  
Peak**

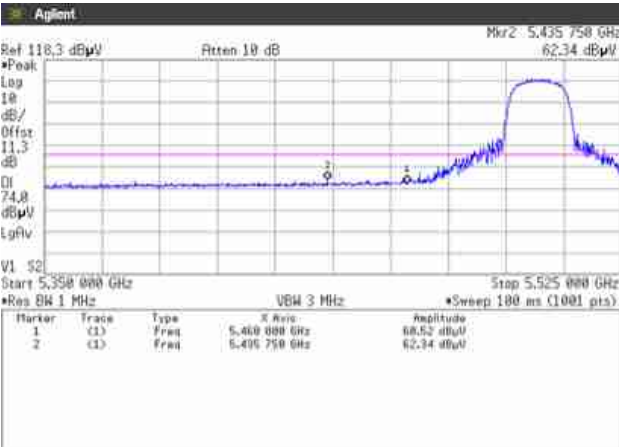


**Average**

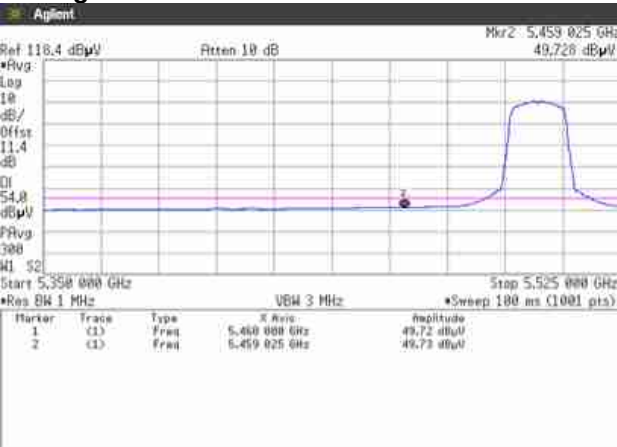


[IEEE802.11a]

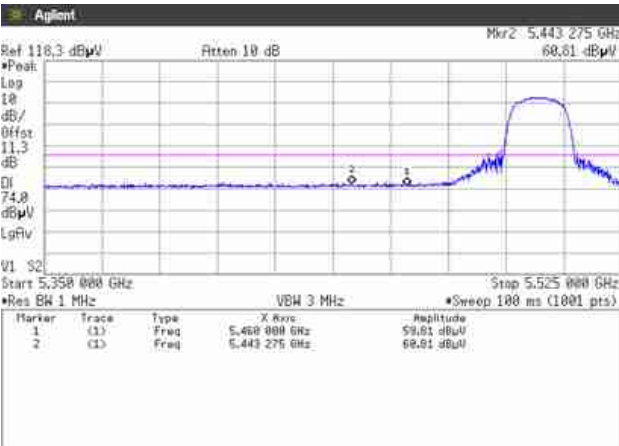
5.6 GHz Band, Channel Low  
Horizontal  
Peak



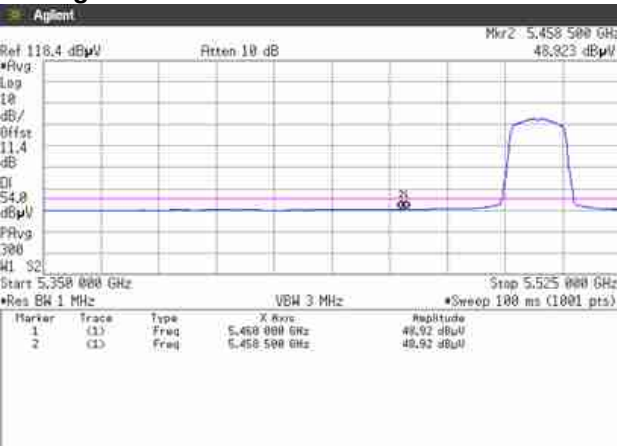
Average



Vertical  
Peak

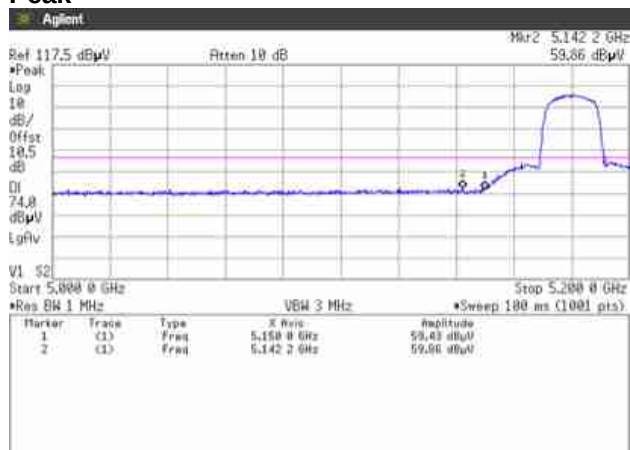


Average

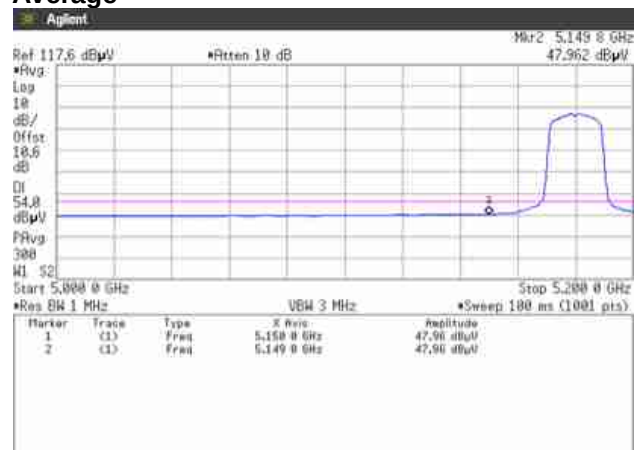


## [IEEE802.11n (HT20)]

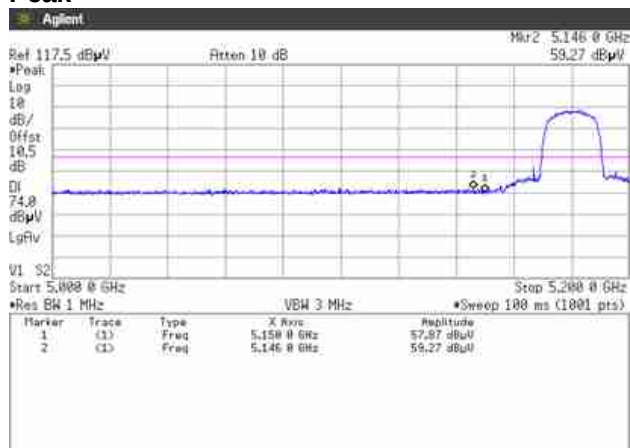
### 5.2 GHz Band, Channel Low Horizontal Peak



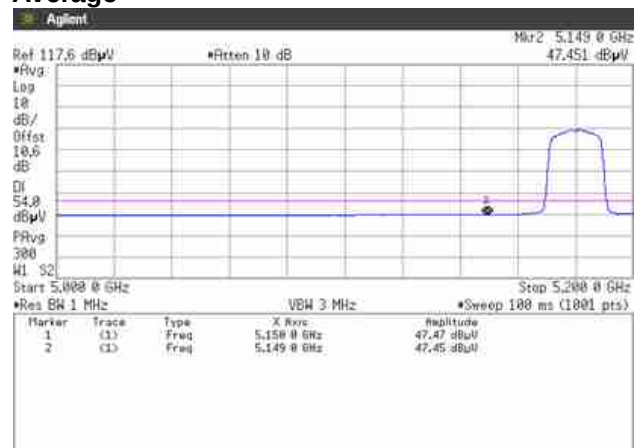
## Average



### Vertical Peak

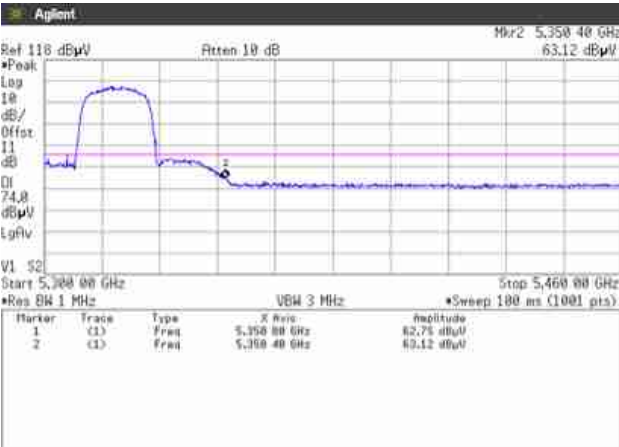


## Average

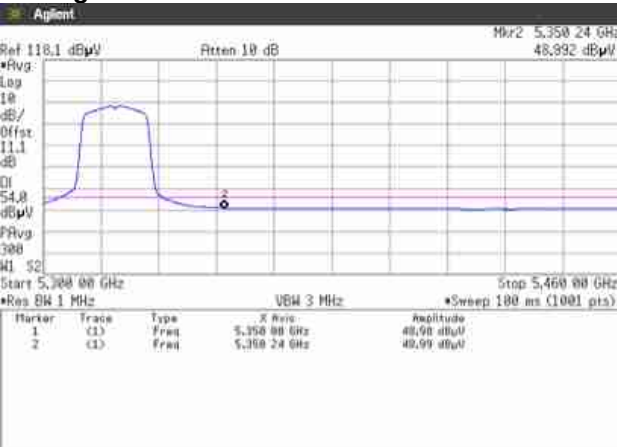


[IEEE802.11n (HT20)]

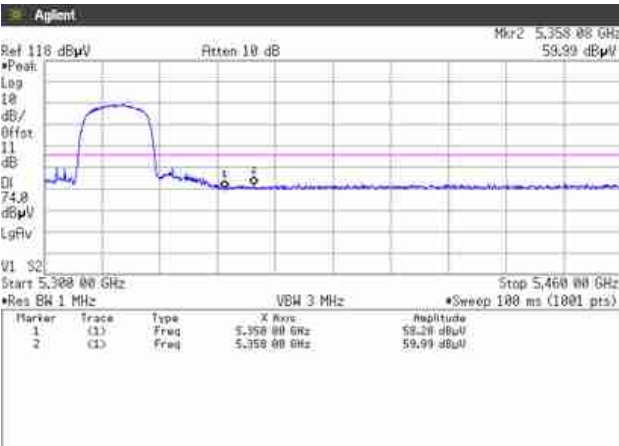
5.3 GHz Band, Channel High  
Horizontal  
Peak



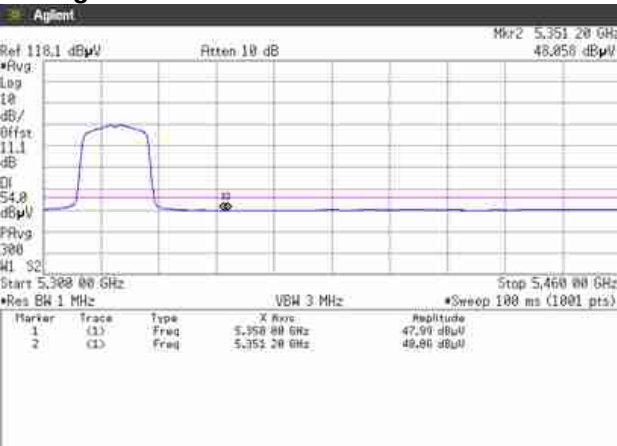
Average



Vertical  
Peak

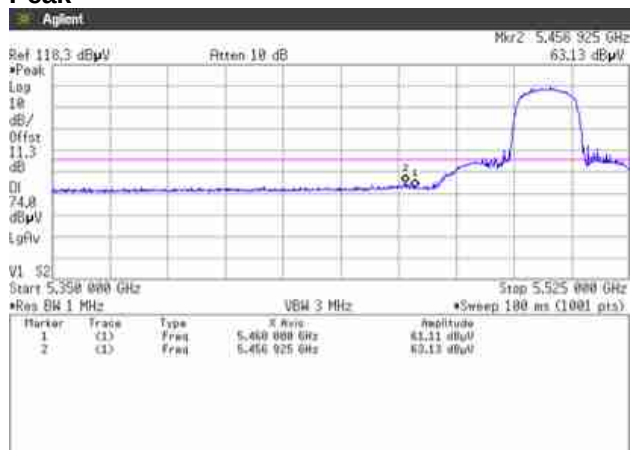


Average

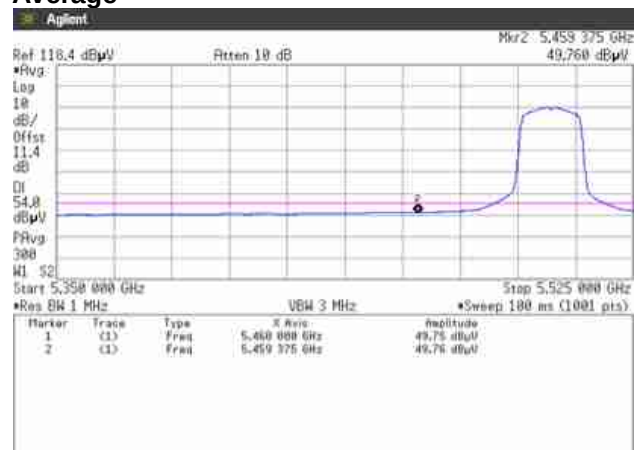


## [IEEE802.11n (HT20)]

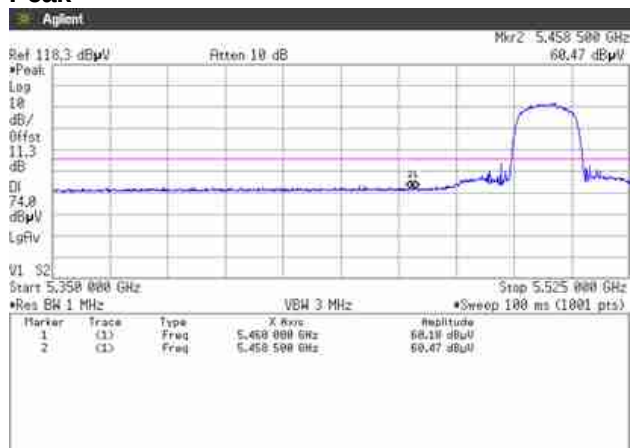
### 5.6 GHz Band, Channel Low Horizontal Peak



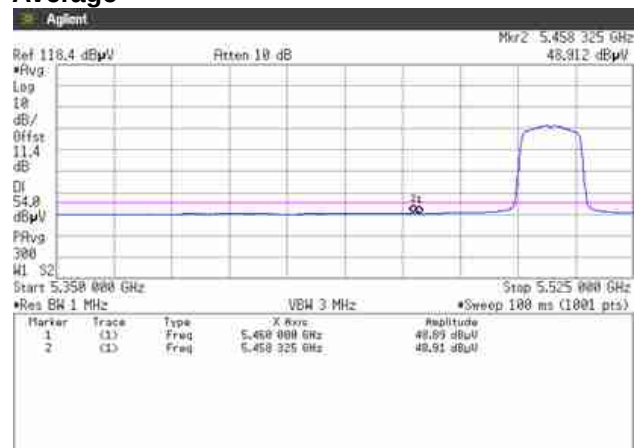
### Average



### Vertical Peak

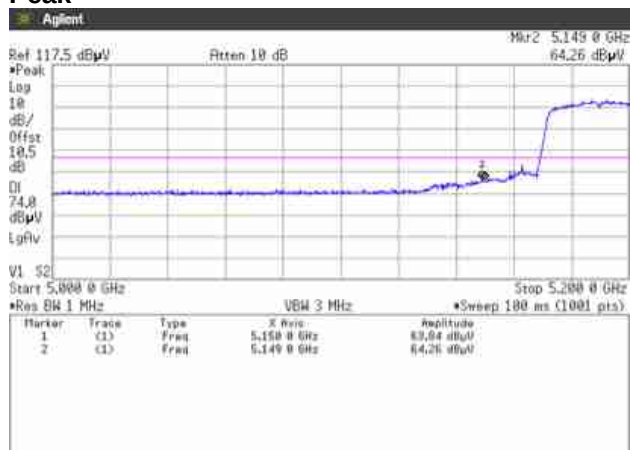


### Average

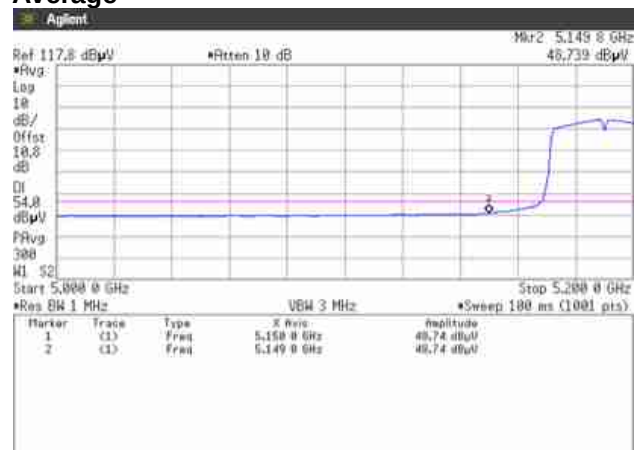


## [IEEE802.11n (HT40)]

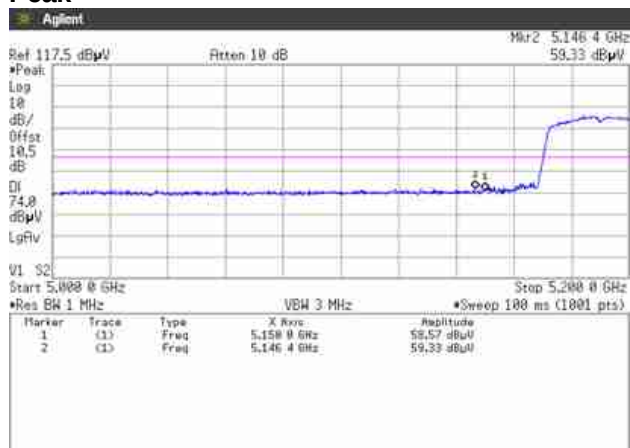
### 5.2 GHz Band, Channel Low Horizontal Peak



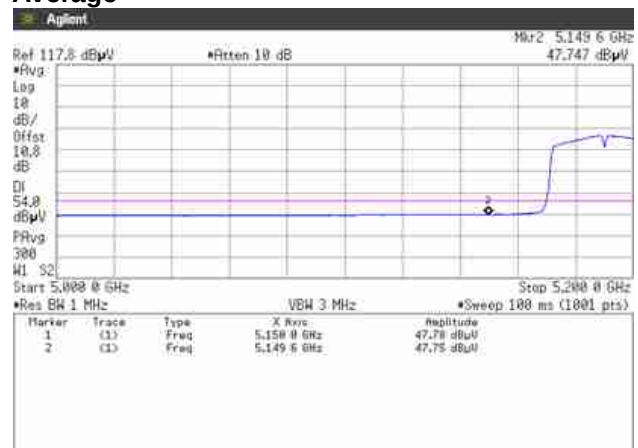
### Average



### Vertical Peak

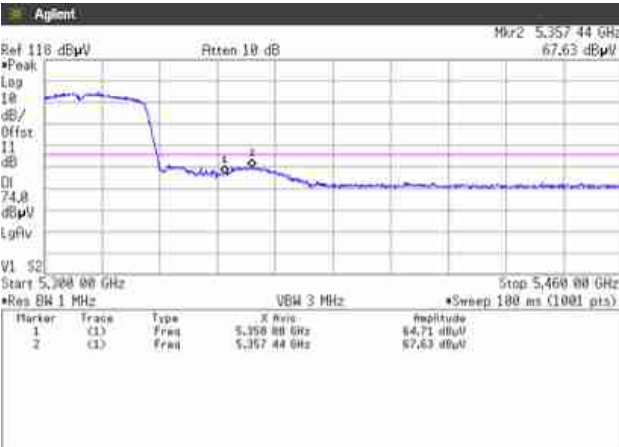


### Average

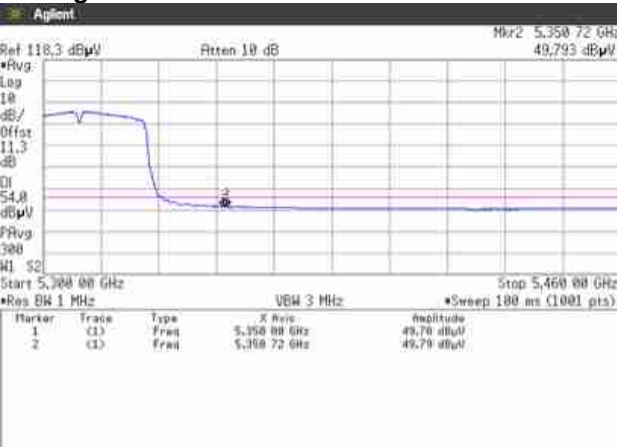


[IEEE802.11n (HT40)]

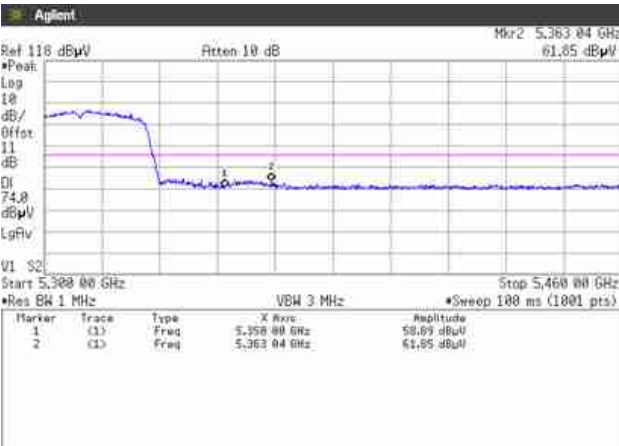
5.3 GHz Band, Channel High  
Horizontal  
Peak



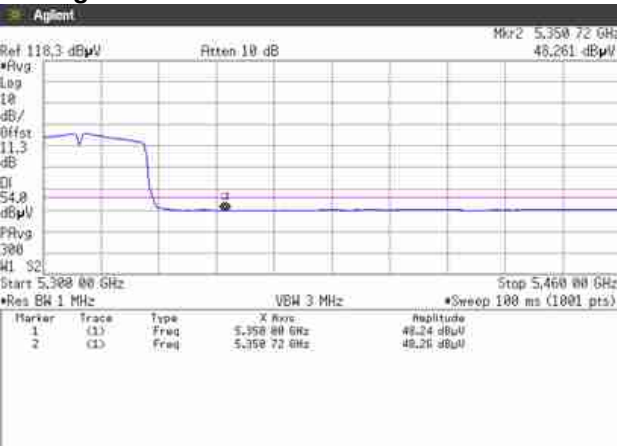
Average



Vertical  
Peak

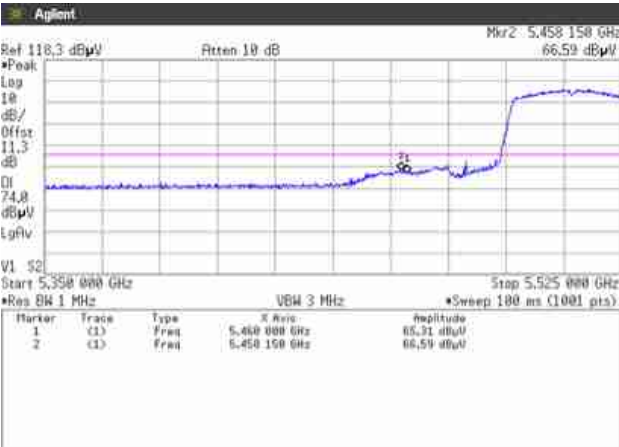


Average

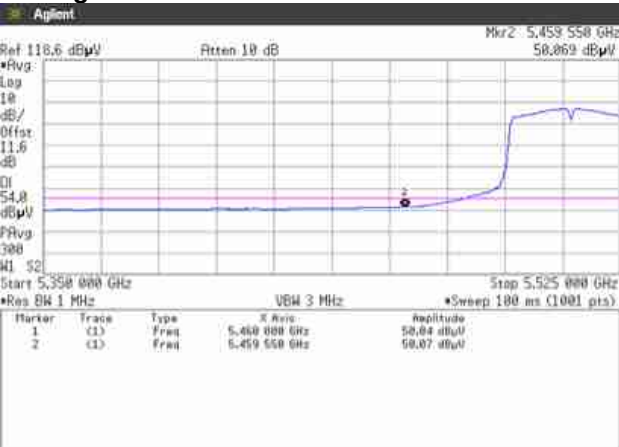


[IEEE802.11n (HT40)]

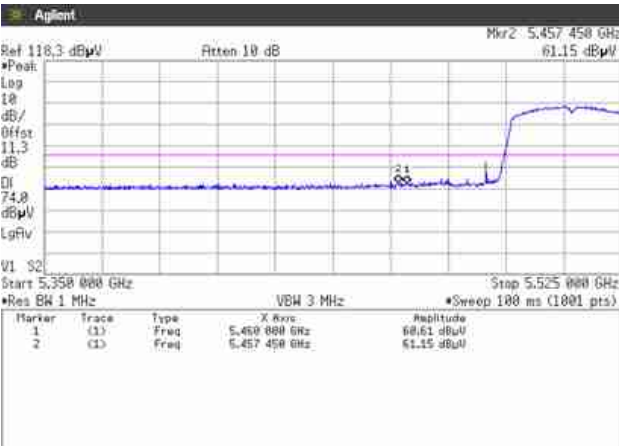
5.6 GHz Band, Channel Low  
Horizontal  
Peak



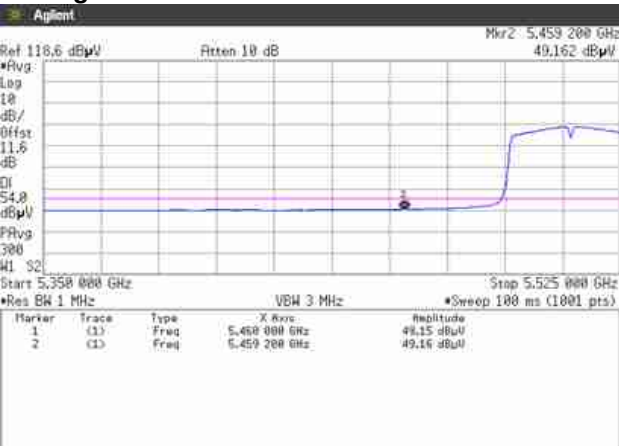
Average



Vertical  
Peak

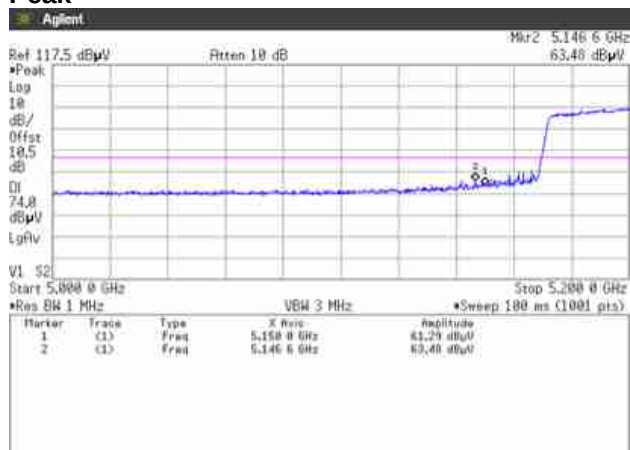


Average

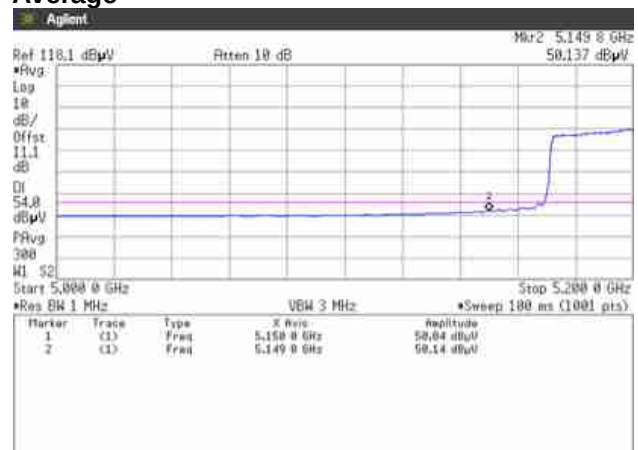


## [IEEE802.11ac (HT80)]

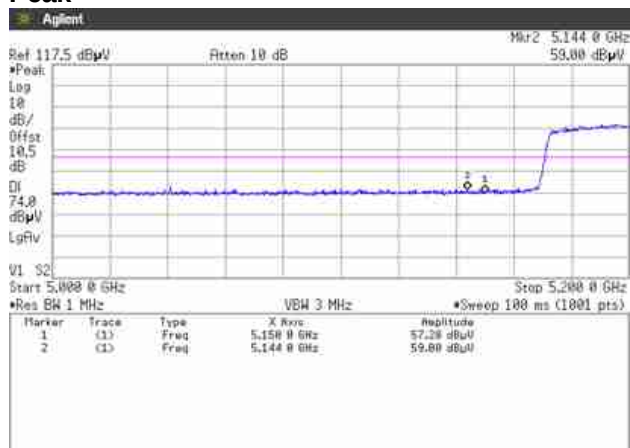
### 5.2 GHz Band, Channel Low Horizontal Peak



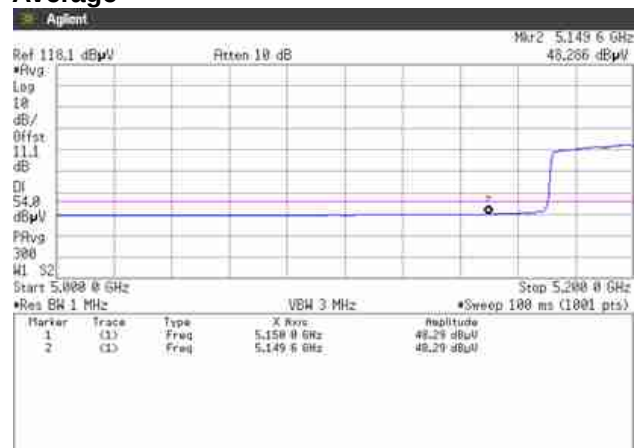
### Average



### Vertical Peak

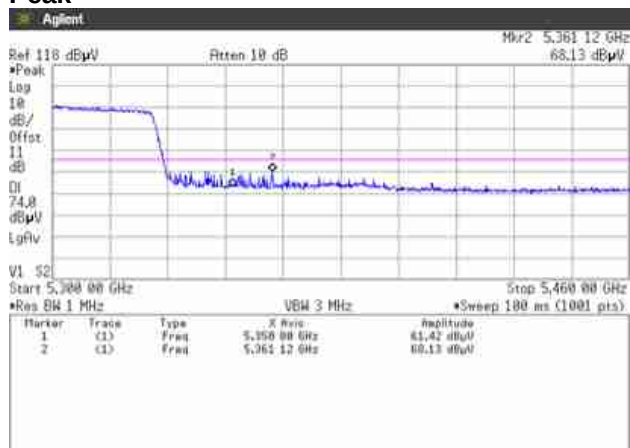


### Average

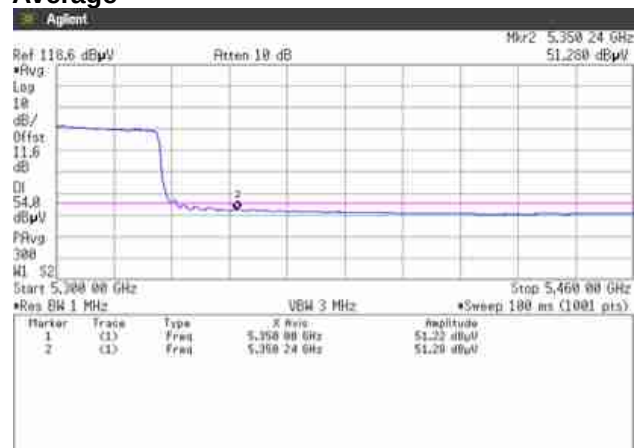


## [IEEE802.11ac (HT80)]

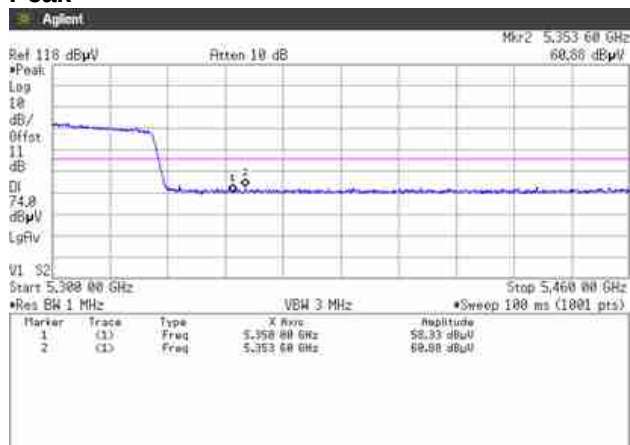
### 5.3 GHz Band, Channel High Horizontal Peak



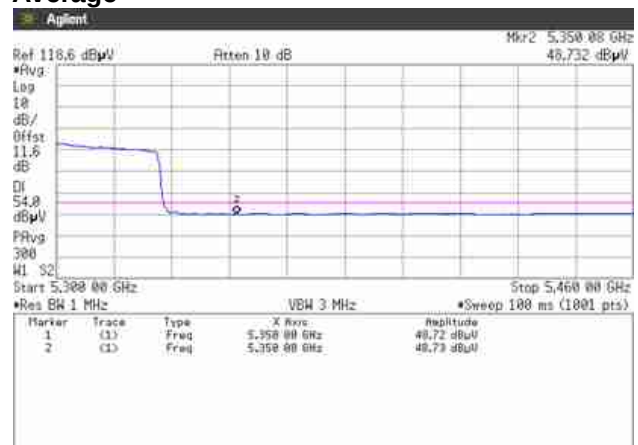
### Average



### Vertical Peak

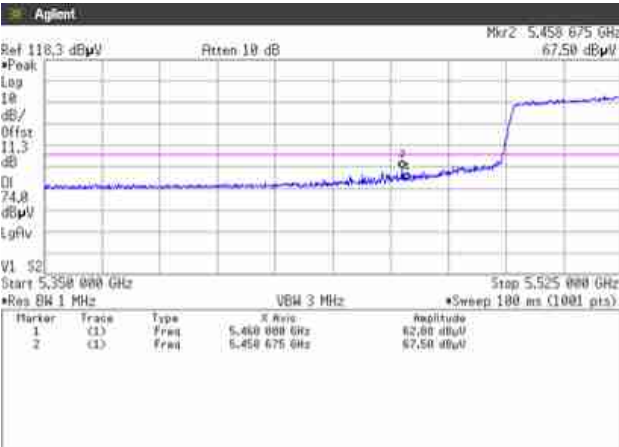


### Average

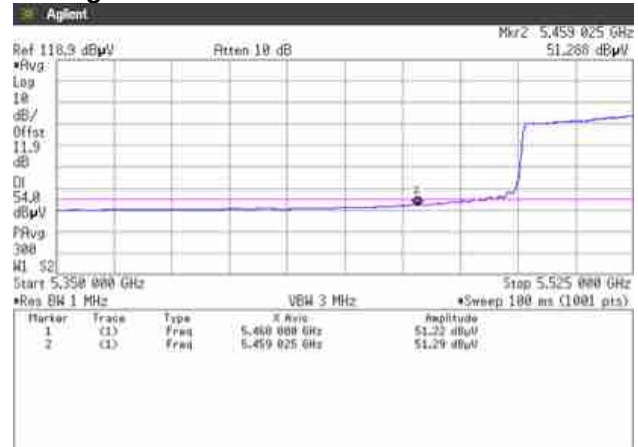


[IEEE802.11ac (HT80)]

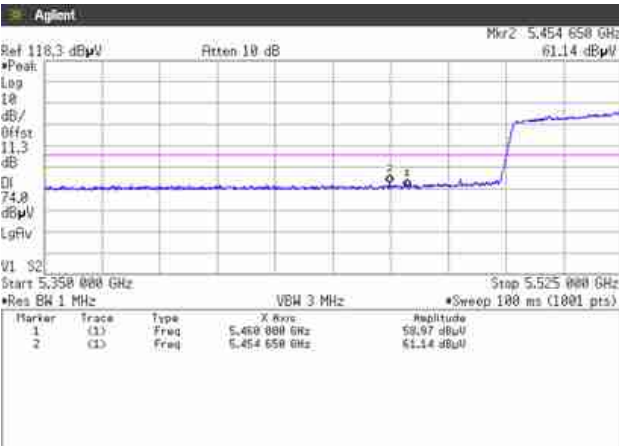
5.6 GHz Band, Channel Low  
Horizontal  
Peak



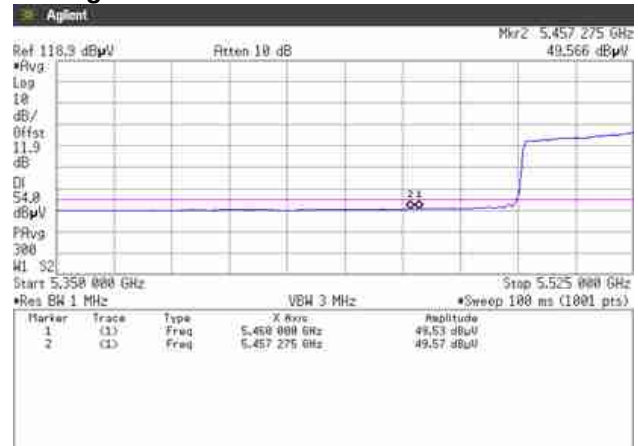
Average



Vertical  
Peak



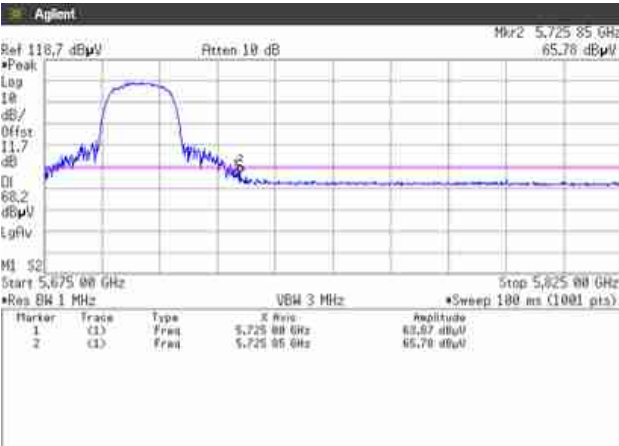
Average



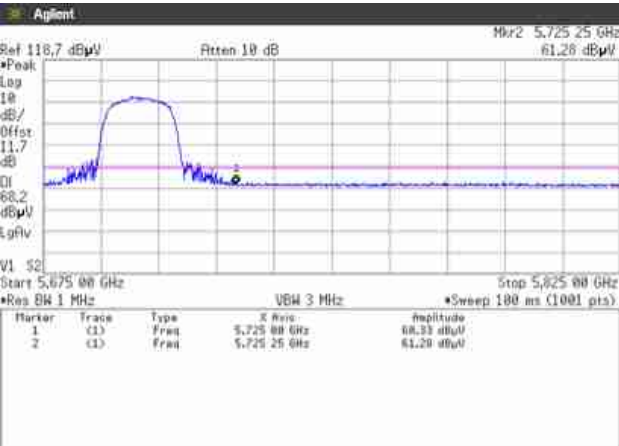
#### 4.1.4.2 Non-Restricted Bandedge

[IEEE802.11a]

5.6 GHz Band, Channel High  
Peak  
Horizontal

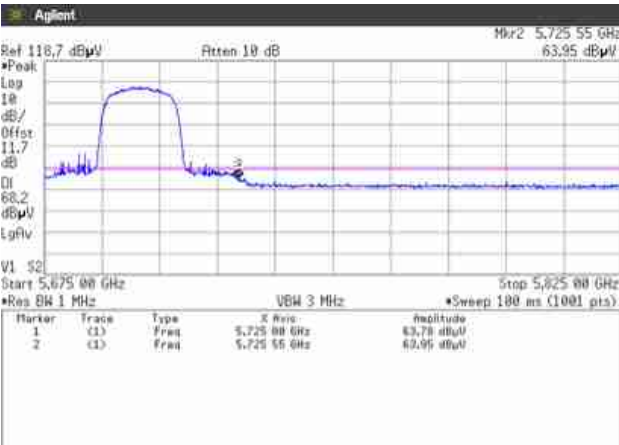


Vertical

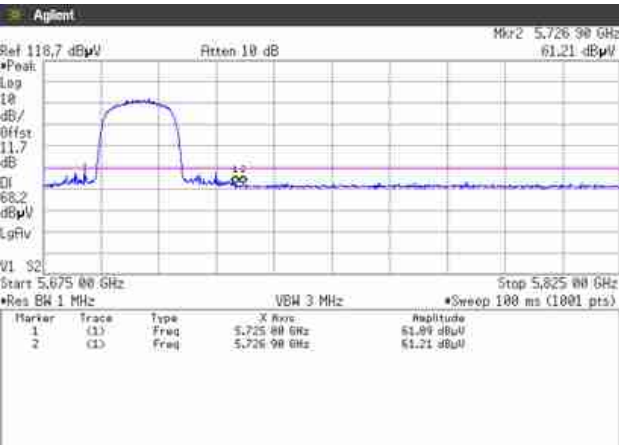


[IEEE802.11n (HT20)]

5.6GHz Band, Channel High  
Peak  
Horizontal



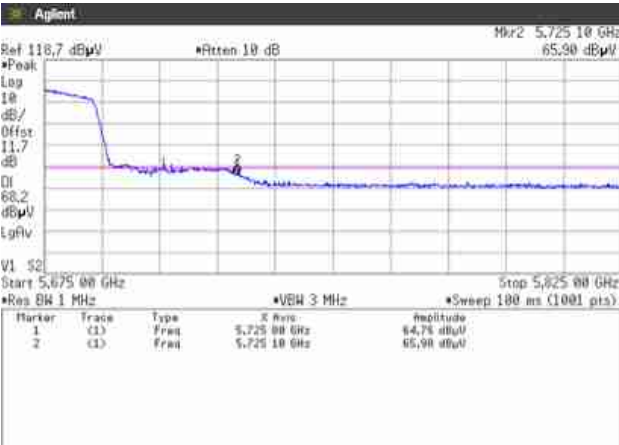
Vertical



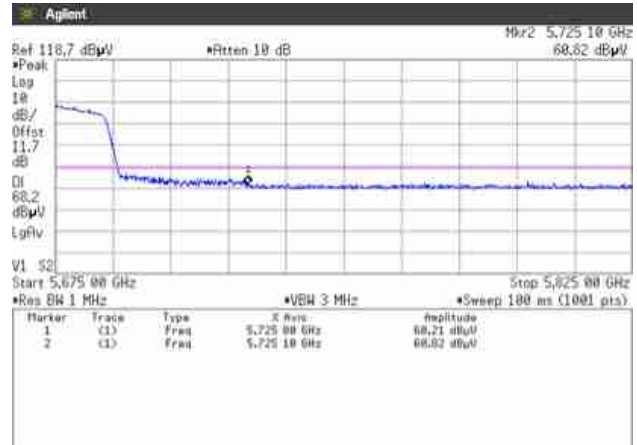
[IEEE802.11n (HT40)]

5.6GHz Band, Channel High  
Peak

Horizontal



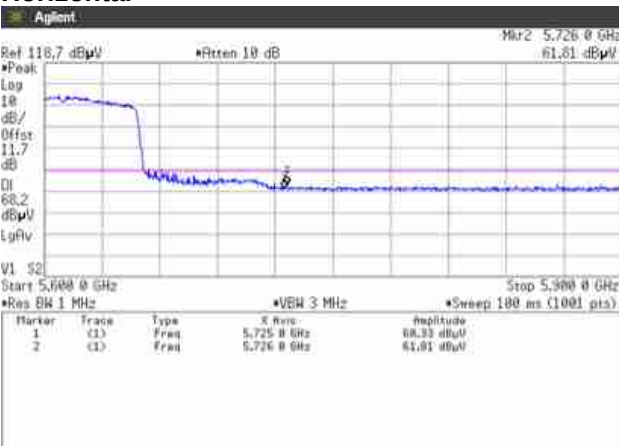
Vertical



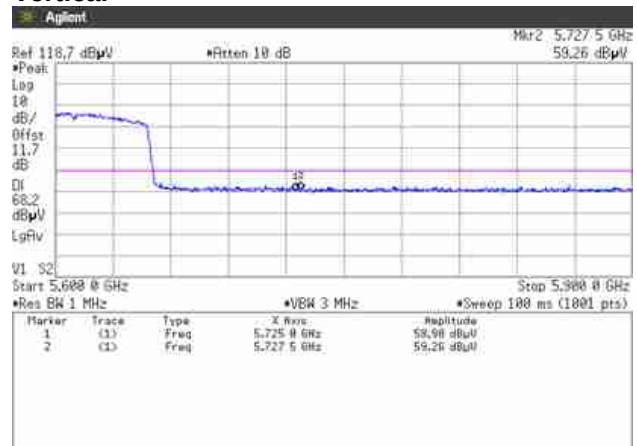
[IEEE802.11ac (HT80)]

5.6GHz Band, Channel High  
Peak

Horizontal



Vertical



#### 4.1.4.3 Radiated Emissions

|             |                            |               |                       |
|-------------|----------------------------|---------------|-----------------------|
| Date        | : 3-April-2020             |               |                       |
| Temperature | : 23.7 [°C]                |               |                       |
| Humidity    | : 35.6 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 6-April-2020             |               |                       |
| Temperature | : 22.3 [°C]                |               |                       |
| Humidity    | : 36.3 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 7-April-2020             |               |                       |
| Temperature | : 23.0 [°C]                |               |                       |
| Humidity    | : 35.8 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 8-April-2020             |               |                       |
| Temperature | : 22.0 [°C]                |               |                       |
| Humidity    | : 36.9 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 9-April-2020             |               |                       |
| Temperature | : 25.3 [°C]                |               |                       |
| Humidity    | : 35.5 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 23-April-2020            |               |                       |
| Temperature | : 23.8 [°C]                |               |                       |
| Humidity    | : 35.3 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 24-April-2020            |               |                       |
| Temperature | : 24.1 [°C]                |               |                       |
| Humidity    | : 36.1 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 25-April-2020            |               |                       |
| Temperature | : 24.1 [°C]                |               |                       |
| Humidity    | : 36.1 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 28-April-2020            |               |                       |
| Temperature | : 22.9 [°C]                |               |                       |
| Humidity    | : 38.2 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |
| Date        | : 29-April-2020            |               |                       |
| Temperature | : 22.9 [°C]                |               |                       |
| Humidity    | : 34.2 [%]                 | Test engineer | :                     |
| Test place  | : 3m Semi-anechoic chamber |               | <u>Taiki Watanabe</u> |

**[IEEE802.11a]  
(5.2 GHz Band)**

| Mode    | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11a | 36      | 5180            | 10360.00        | H       | PK             | 44.3           | 10.6     |          | 54.9            | 68.2           | 13.3        |
|         | 40      | 5200            | 10400.00        | H       | PK             | 44.2           | 10.7     |          | 54.9            | 68.2           | 13.3        |
|         | 48      | 5240            | 10480.00        | H       | PK             | 44.6           | 10.9     |          | 55.5            | 68.2           | 12.7        |

**(5.3 GHz Band)**

| Mode    | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11a | 52      | 5260            | 10520.00        | H       | PK             | 45.4           | 10.9     |          | 56.3            | 68.2           | 11.9        |
|         | 56      | 5280            | 10560.00        | H       | PK             | 44.4           | 11.0     |          | 55.4            | 68.2           | 12.8        |
|         | 64      | 5320            | 10640.00        | H       | PK             | 45.1           | 11.2     |          | 56.3            | 74.0           | 17.7        |
|         | 64      | 5320            | 10640.00        | H       | AV             | 34.7           | 11.2     | 0.135    | 45.3            | 54.0           | 8.7         |

**(5.6 GHz Band)**

| Mode    | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11a | 100     | 5500            | 5464.90         | H       | PK             | 54.8           | 11.3     |          | 66.1            | 68.2           | 2.1         |
|         |         |                 | 5468.50         | V       | PK             | 49.7           | 11.3     |          | 61.0            | 68.2           | 7.2         |
|         |         |                 | 11000.00        | H       | PK             | 44.1           | 11.9     |          | 56.0            | 74.0           | 18.0        |
|         |         |                 | 11000.00        | H       | AV             | 32.4           | 11.9     | 0.135    | 44.4            | 54.0           | 9.6         |
|         | 116     | 5580            | 11160.00        | H       | PK             | 44.9           | 12.0     |          | 56.9            | 74.0           | 17.1        |
|         |         |                 | 11160.00        | H       | AV             | 32.9           | 12.0     | 0.135    | 45.0            | 54.0           | 9.0         |
|         | 140     | 5700            | 11400.00        | H       | PK             | 45.7           | 12.2     |          | 57.9            | 74.0           | 16.1        |
|         |         |                 | 11400.00        | H       | AV             | 33.2           | 12.2     | 0.135    | 45.5            | 54.0           | 8.5         |

Note:

1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30 MHz to 1000 MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

**[IEEE802.11n (HT20)]  
(5.2 GHz Band)**

| Mode            | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11n (20MHz) | 36      | 5180            | 10360.00        | H       | PK             | 44.4           | 10.6     |          | 55.0            | 68.2           | 13.2        |
|                 | 40      | 5200            | 10400.00        | H       | PK             | 43.9           | 10.7     |          | 54.6            | 68.2           | 13.6        |
|                 | 48      | 5240            | 10480.00        | H       | PK             | 44.3           | 10.9     |          | 55.2            | 68.2           | 13.0        |

**(5.3 GHz Band)**

| Mode            | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11n (20MHz) | 52      | 5260            | 10520.00        | H       | PK             | 46.4           | 10.9     |          | 57.3            | 68.2           | 10.9        |
|                 | 56      | 5280            | 10560.00        | H       | PK             | 45.2           | 11.0     |          | 56.2            | 68.2           | 12.0        |
|                 | 64      | 5320            | 10640.00        | H       | PK             | 45.5           | 11.2     |          | 56.7            | 74.0           | 17.3        |
|                 |         |                 | 10640.00        | H       | AV             | 33.1           | 11.2     | 0.146    | 44.4            | 54.0           | 9.6         |

**(5.6 GHz Band)**

| Mode            | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11n (20MHz) | 100     | 5500            | 5469.90         | H       | PK             | 53.5           | 11.3     |          | 64.8            | 68.2           | 3.4         |
|                 |         |                 | 5464.70         | V       | PK             | 50.4           | 11.3     |          | 61.7            | 68.2           | 6.5         |
|                 |         |                 | 11000.00        | H       | PK             | 44.2           | 11.9     |          | 56.1            | 74.0           | 17.9        |
|                 |         |                 | 11000.00        | H       | AV             | 32.5           | 11.9     | 0.14     | 44.5            | 54.0           | 9.5         |
|                 | 116     | 5580            | 11160.00        | H       | PK             | 45.1           | 12.0     |          | 57.1            | 74.0           | 16.9        |
|                 |         |                 | 11160.00        | H       | AV             | 32.9           | 12.0     | 0.14     | 45.0            | 54.0           | 9.0         |
|                 | 140     | 5700            | 11400.00        | H       | PK             | 45.1           | 12.1     |          | 57.2            | 74.0           | 16.8        |
|                 |         |                 | 11400.00        | H       | AV             | 33.3           | 12.1     | 0.14     | 45.5            | 54.0           | 8.5         |

Note:

1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30 MHz to 1000 MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

**[IEEE802.11n (HT40)]****(5.2 GHz Band)**

| Mode            | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11n (40MHz) | 38      | 5190            | 10380.00        | H       | PK             | 45.2           | 10.7     |          | 55.9            | 68.2           | 12.3        |
|                 | 46      | 5230            | 10460.00        | H       | PK             | 44.5           | 10.8     |          | 55.3            | 68.2           | 12.9        |

**(5.3 GHz Band)**

| Mode            | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11n (40MHz) | 54      | 5270            | 10540.00        | H       | PK             | 45.0           | 11.0     |          | 56.0            | 68.2           | 12.2        |
|                 | 62      | 5310            | 10620.00        | H       | PK             | 44.8           | 11.2     |          | 56.0            | 74.0           | 18.0        |
|                 |         |                 | 10620.00        | H       | AV             | 33.0           | 11.2     | 0.297    | 44.5            | 54.0           | 9.5         |

**(5.6 GHz Band)**

| Mode            | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11n (40MHz) | 102     | 5510            | 5467.90         | H       | PK             | 56.3           | 11.3     |          | 67.6            | 68.2           | 0.6         |
|                 |         |                 | 5469.70         | V       | PK             | 50.7           | 11.3     |          | 62.0            | 68.2           | 6.2         |
|                 |         |                 | 11020.00        | H       | PK             | 45.4           | 11.9     |          | 57.3            | 74.0           | 16.7        |
|                 |         |                 | 11020.00        | H       | AV             | 33.0           | 11.9     | 0.297    | 45.2            | 54.0           | 8.8         |
|                 | 110     | 5550            | 11100.00        | H       | PK             | 44.0           | 11.9     |          | 55.9            | 74.0           | 18.1        |
|                 |         |                 | 11100.00        | H       | AV             | 32.9           | 11.9     | 0.297    | 45.1            | 54.0           | 8.9         |
|                 |         |                 | 11340.00        | H       | PK             | 44.8           | 12.2     |          | 57.0            | 74.0           | 17.0        |
|                 | 134     | 5670            | 11340.00        | H       | AV             | 35.3           | 12.2     | 0.297    | 47.8            | 54.0           | 6.2         |

Note:

1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30 MHz to 1000 MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

**[IEEE802.11ac (HT80)]****(5.2 GHz Band)**

| Mode             | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11ac (80MHz) | 42      | 5210            | 10420.00        | H       | PK             | 44.6           | 10.7     |          | 55.3            | 68.2           | 12.9        |

**(5.3 GHz Band)**

| Mode             | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11ac (80MHz) | 58      | 5290            | 10580.00        | H       | PK             | 44.3           | 11.0     |          | 55.3            | 68.2           | 12.9        |

**(5.6 GHz Band)**

| Mode             | Channel | Frequency (MHz) | Frequency (MHz) | ANT H/V | Detector PK/AV | Reading (dBμV) | C.F (dB) | DCF (dB) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|------------------|---------|-----------------|-----------------|---------|----------------|----------------|----------|----------|-----------------|----------------|-------------|
| 802.11ac (80MHz) | 106     | 5530            | 5468.00         | H       | PK             | 49.2           | 11.3     |          | 60.5            | 68.2           | 7.7         |
|                  |         |                 | 5461.70         | V       | PK             | 48.6           | 11.3     |          | 59.9            | 68.2           | 8.3         |
|                  |         |                 | 11060.00        | H       | PK             | 44.8           | 11.9     |          | 56.7            | 74.0           | 17.3        |
|                  |         |                 | 11060.00        | H       | AV             | 33.0           | 11.9     | 0.561    | 45.5            | 54.0           | 8.5         |
|                  | 122     | 5610            | 11220.00        | H       | PK             | 44.1           | 12.0     |          | 56.1            | 74.0           | 17.9        |
|                  |         |                 | 11220.00        | H       | AV             | 33.1           | 12.0     | 0.578    | 45.7            | 54.0           | 8.3         |

Note:

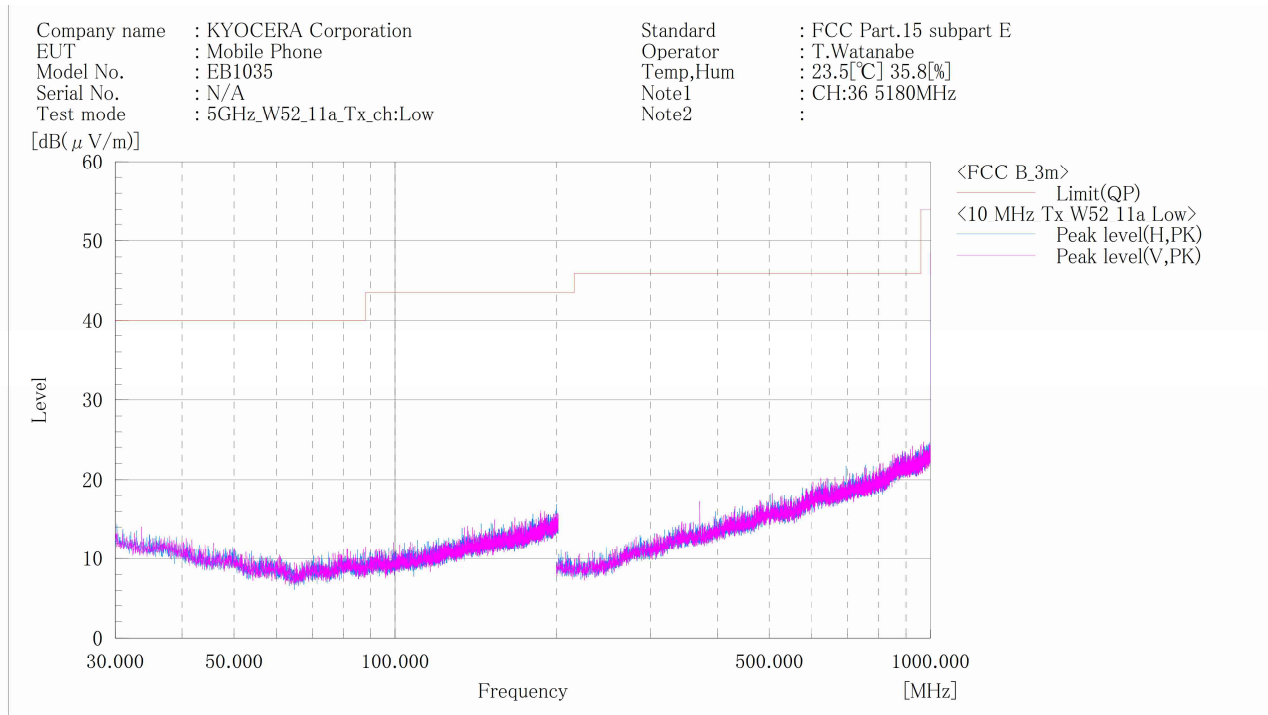
1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30 MHz to 1000 MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

#### 4.1.4.4 Measurement chart

##### Transmission mode

[11a]

W52 / Channel Low  
BELOW 1GHz



##### Final Result

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

##### Note:

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

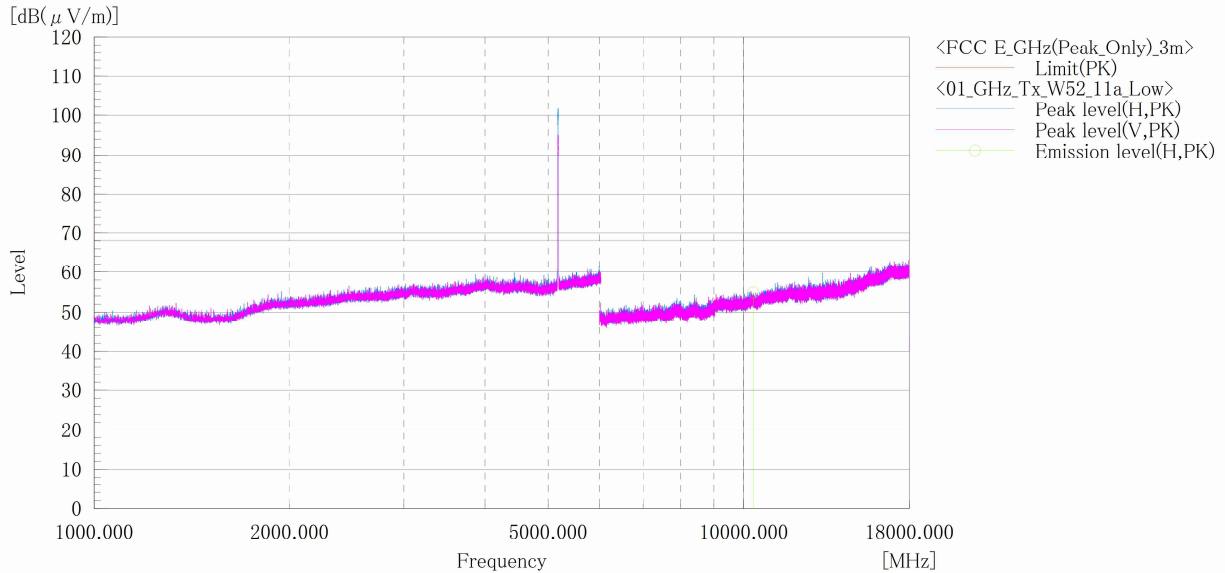


Japan

**[11a]**  
**W52 / Channel Low**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11a\_Tx\_Low

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 23.7[°C] 35.6[%]  
Note1 : ch:36\_5180MHz  
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   | 10360.000       | H   | 44.3                | 10.6          | 54.9                 | 68.2                | 13.3           | 127.0       | 148.0     |        |

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.

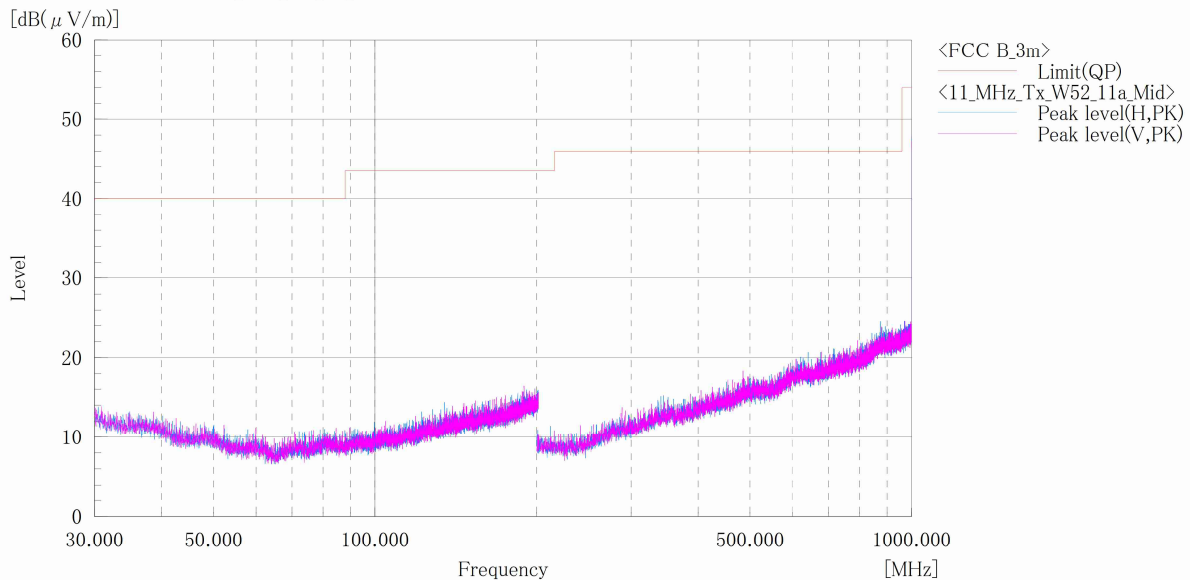


Japan

**[11a]**  
**W52 / Channel Middle**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11a\_Tx\_ch:Mid

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum : 23.5[°C] 35.8[%]  
Note1 : CH:40 5200MHz  
Note2 :



Final Result

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

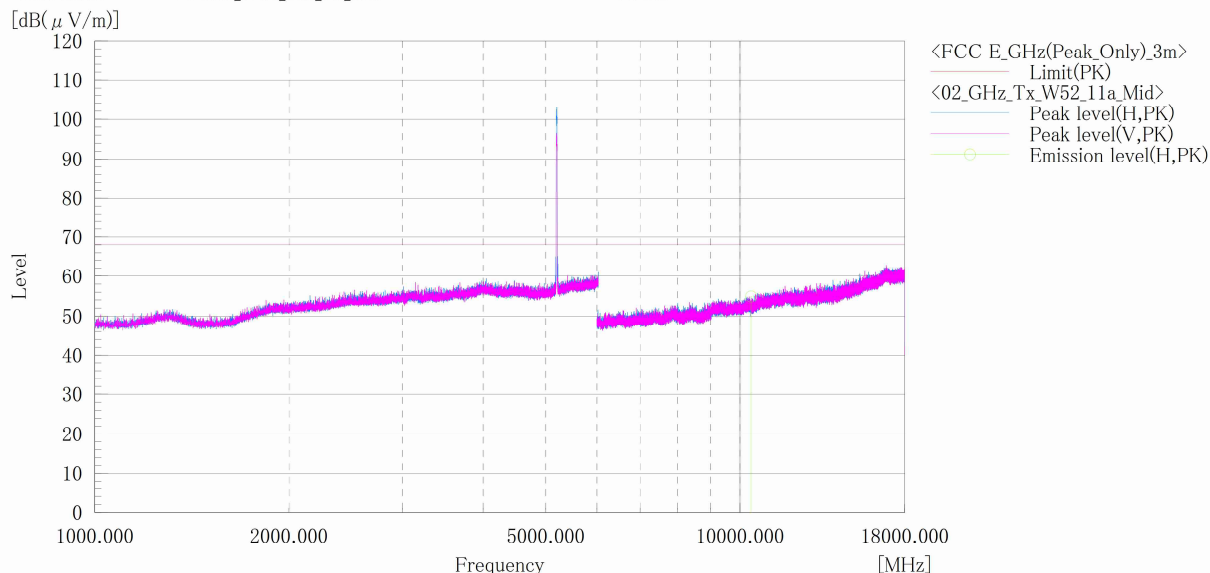
Note:

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.

**[11a]****W52 / Channel Middle  
ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : 5GHz\_W52\_11a\_Tx\_Mid

Standard : FCC Part.15 subpart E  
 Operator : T.Watanabe  
 Temp,Hum,Atm : 23.7[°C] 35.6[%]  
 Note1 : ch:40\_5200MHz  
 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   | 10400.000       | H   | 44.2                | 10.7          | 54.9                 | 68.2                | 13.3           | 172.0       | 242.0     |        |

**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.

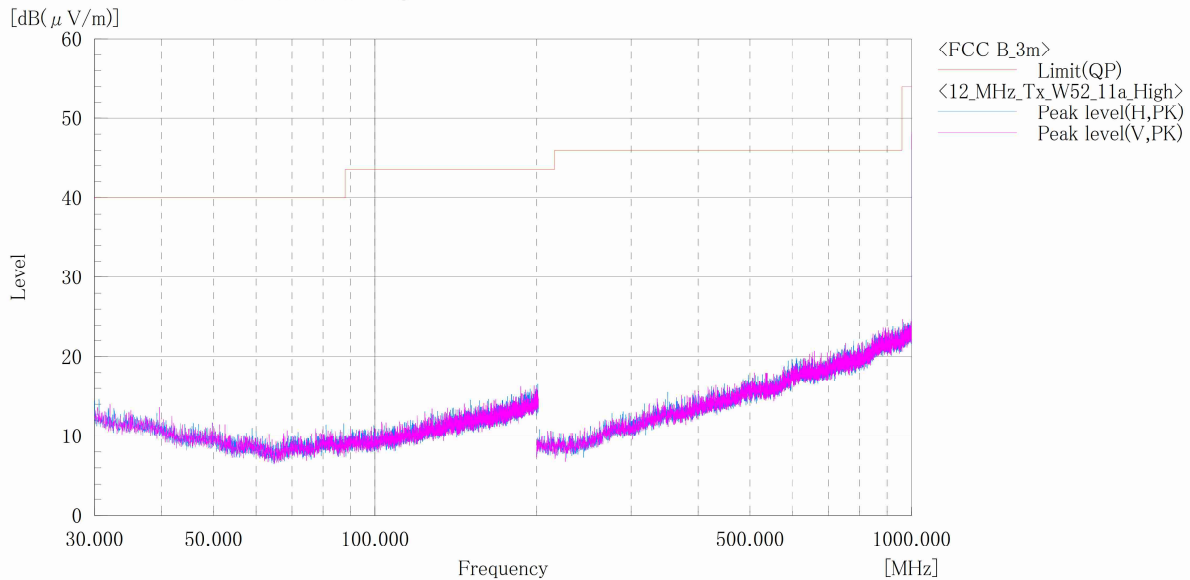


Japan

**[11a]**  
**W52 / Channel High**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11a\_Tx\_ch:High

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum : 23.8[°C] 35.3[%]  
Note1 : CH:48 5240MHz  
Note2 :



Final Result

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

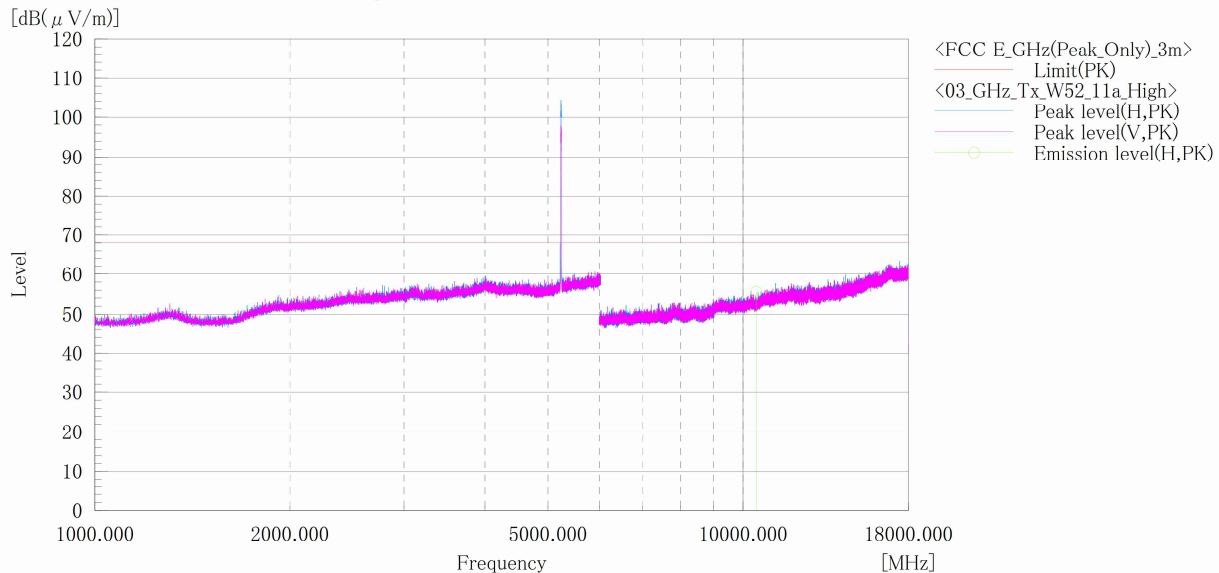
Note:

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.

**[11a]**  
**W52 / Channel High**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : 5GHz\_W52\_11a\_Tx\_High

Standard : FCC Part.15 subpart E  
 Operator : T.Watanabe  
 Temp,Hum,Atm : 23.7[°C] 35.6[%]  
 Note1 : ch:48\_5240MHz  
 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   | 10480.000       | H   | 44.6                | 10.9          | 55.5                 | 68.2                | 12.7           | 147.0       | 216.0     |        |

Note:

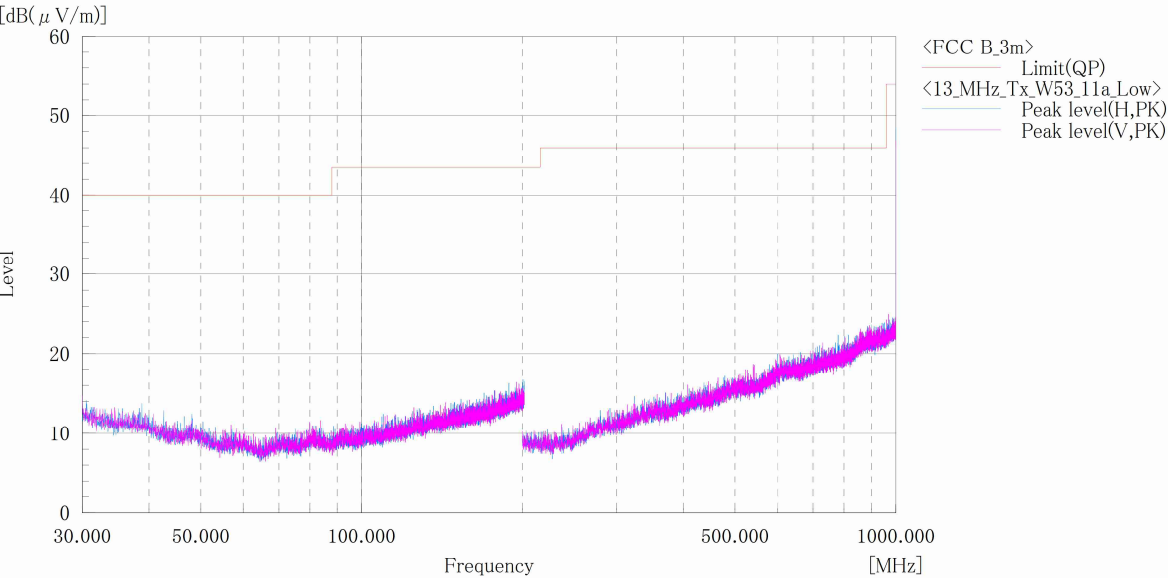
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11a]  
W53 / Channel Low  
BELOW 1GHz

|              |                          |          |                         |
|--------------|--------------------------|----------|-------------------------|
| Company name | : KYOCERA Corporation    | Standard | : FCC Part.15 subpart E |
| EUT          | : Mobile Phone           | Operator | : T.Watanabe            |
| Model No.    | : EB1035                 | Temp,Hum | : 23.8[°C] 35.3[%]      |
| Serial No.   | : N/A                    | Note1    | : CH:52 5260MHz         |
| Test mode    | : 5GHz_W53_11a_Tx_ch:Low | 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.

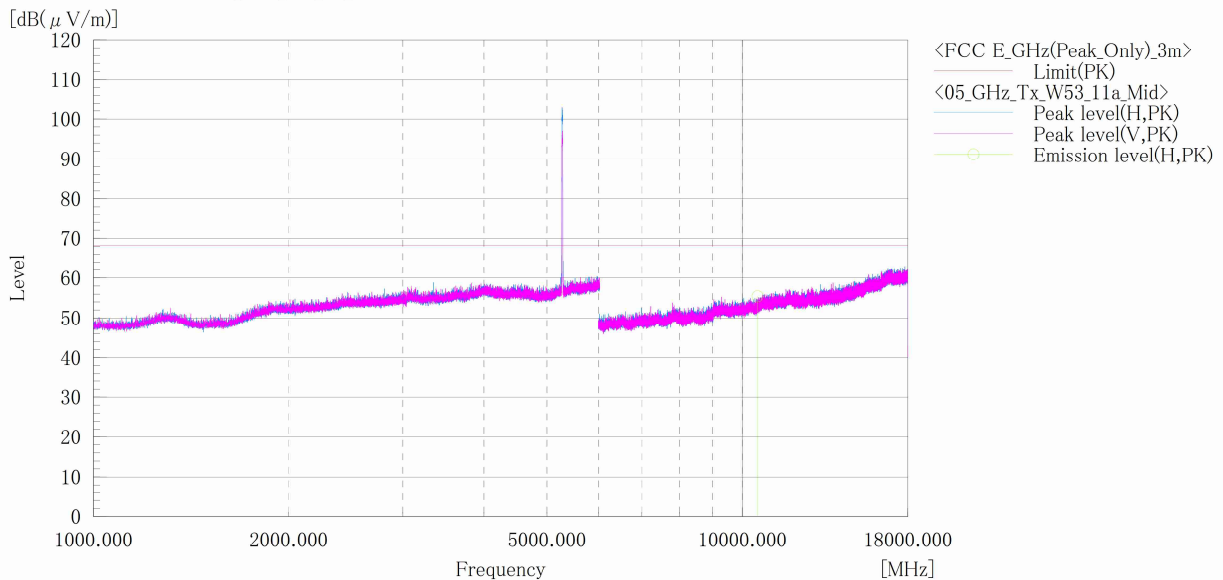


Japan

**[11a]**  
**W53 / Channel Low**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W53\_11a\_Tx\_Mid

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:56\_5280MHz  
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   | 10560.000       | H   | 44.4                | 11.0          | 55.4                 | 68.2                | 12.8           | 154.0       | 123.0     |        |

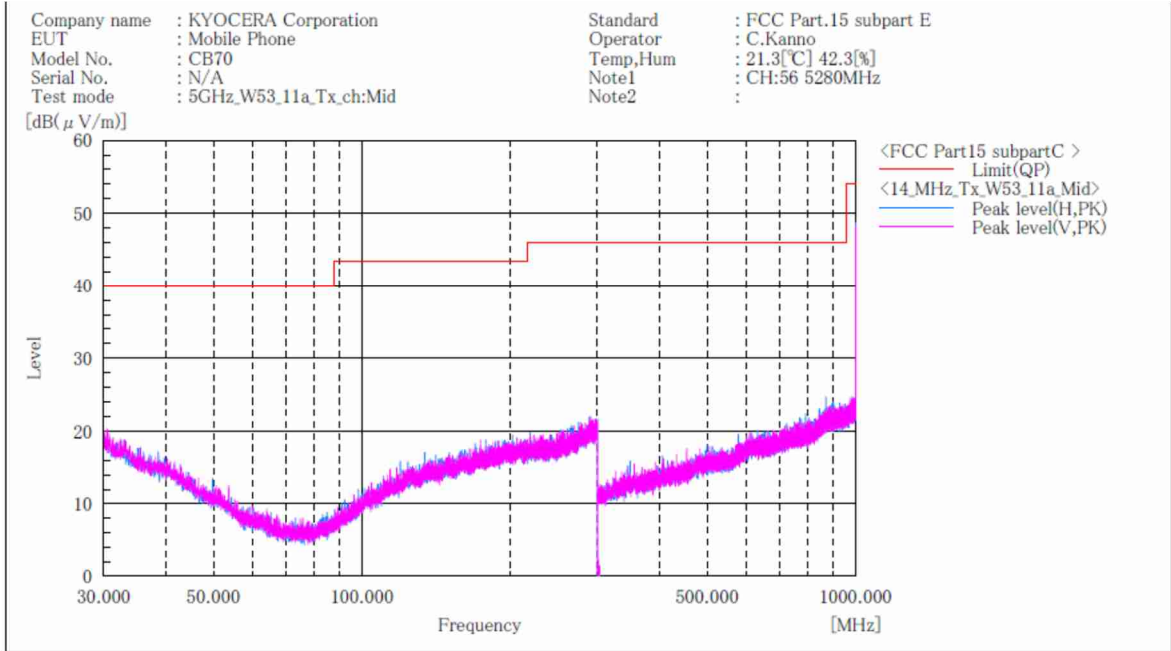
Note:

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

[11a]  
W53 / Channel Middle  
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.

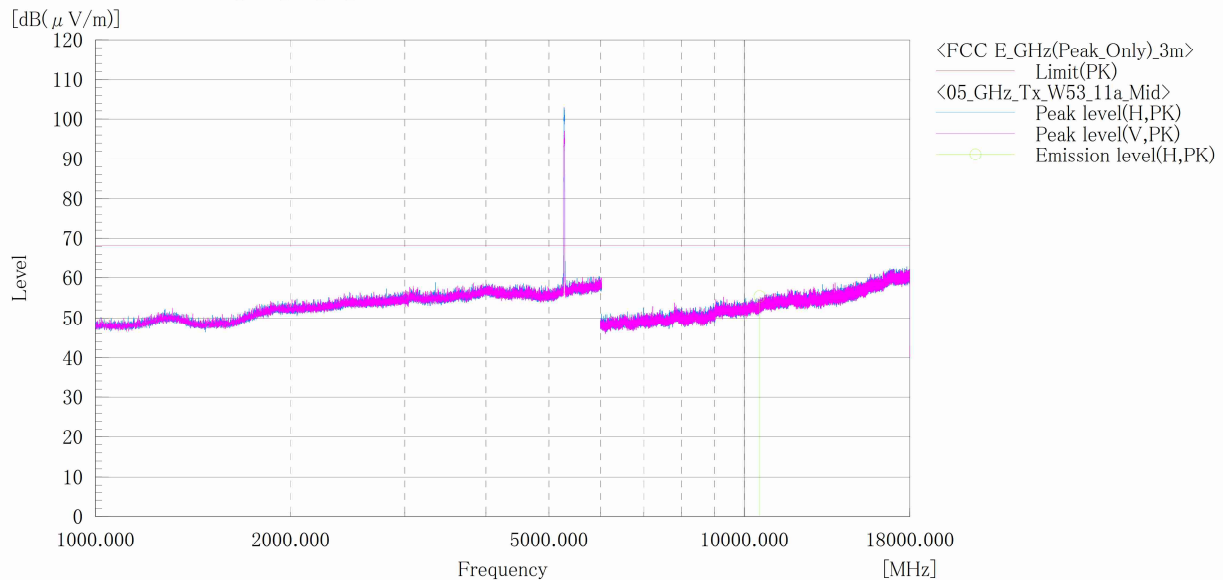


Japan

**[11a]**  
**W53 / Channel Middle**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W53\_11a\_Tx\_Mid

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:56\_5280MHz  
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   | 10560.000       | H   | 44.4                | 11.0          | 55.4                 | 68.2                | 12.8           | 154.0       | 123.0     |        |

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.

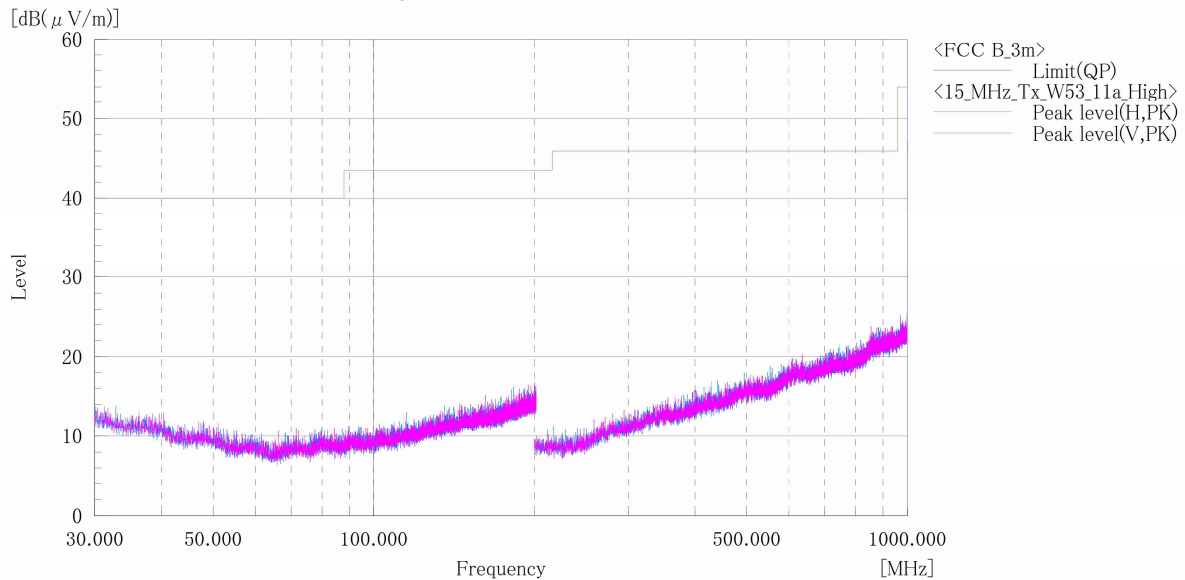


Japan

**[11a]**  
**W53 / Channel High**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W53\_11a\_Tx\_ch:High

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum : 23.8[°C] 35.3[%]  
Note1 : CH:64 5320MHz  
Note2 :



Final Result

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

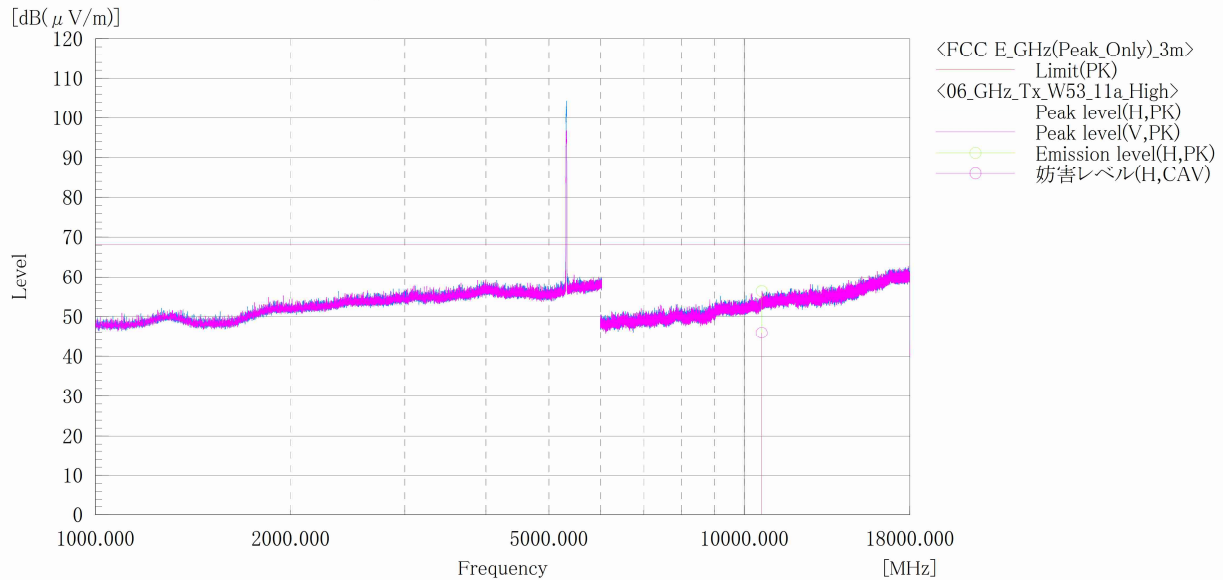
Note:

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

**[11a]**  
**W53 / Channel High**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz W53 11a Tx High

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:64\_5320MHz  
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 [°] | Remark |
|-----|-----------------|-----|---------------------|----------------------|---------------|----------------------|-----------------------|---------------------|----------------|-----------------|-------------|-----------|--------|
| 1   | 10640.000       | H   | 45.1                | 34.7                 | 11.2          | 56.3                 | 45.9                  | 74.0                | 17.7           | 8.1             | 166.0       | 204.0     |        |

Note:

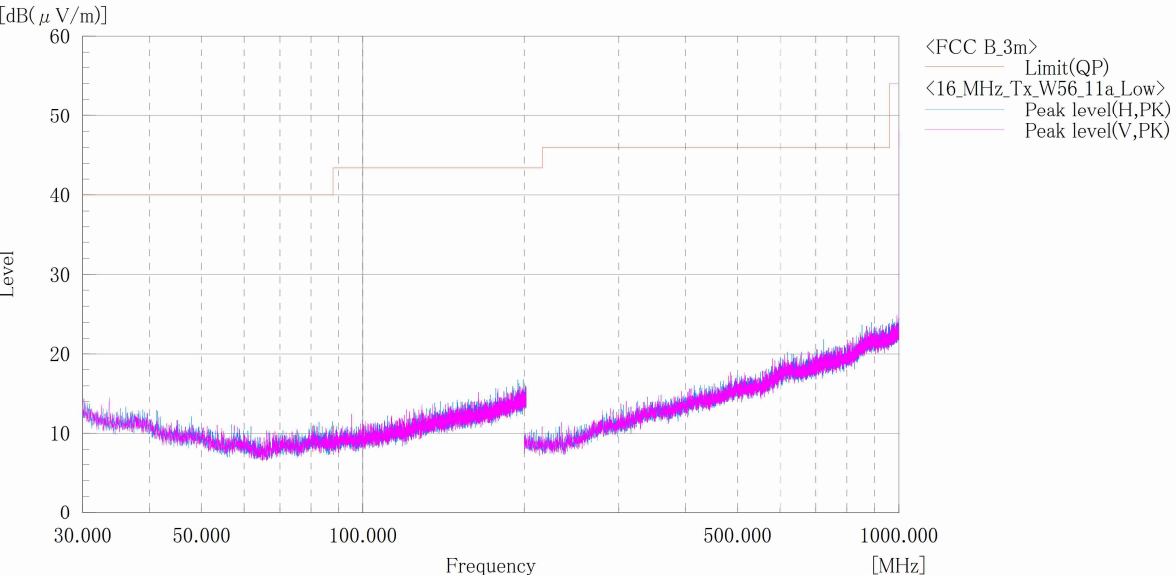
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11a]  
W56 / Channel Low  
BELOW 1GHz

|              |                          |          |                         |
|--------------|--------------------------|----------|-------------------------|
| Company name | : KYOCERA Corporation    | Standard | : FCC Part.15 subpart E |
| EUT          | : Mobile Phone           | Operator | : T.Watanabe            |
| Model No.    | : EB1035                 | Temp,Hum | : 23.8[°C] 35.3[%]      |
| Serial No.   | : N/A                    | Note1    | : CH:100 5500MHz        |
| Test mode    | : 5GHz_W56_11a_Tx_ch:Low | 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.

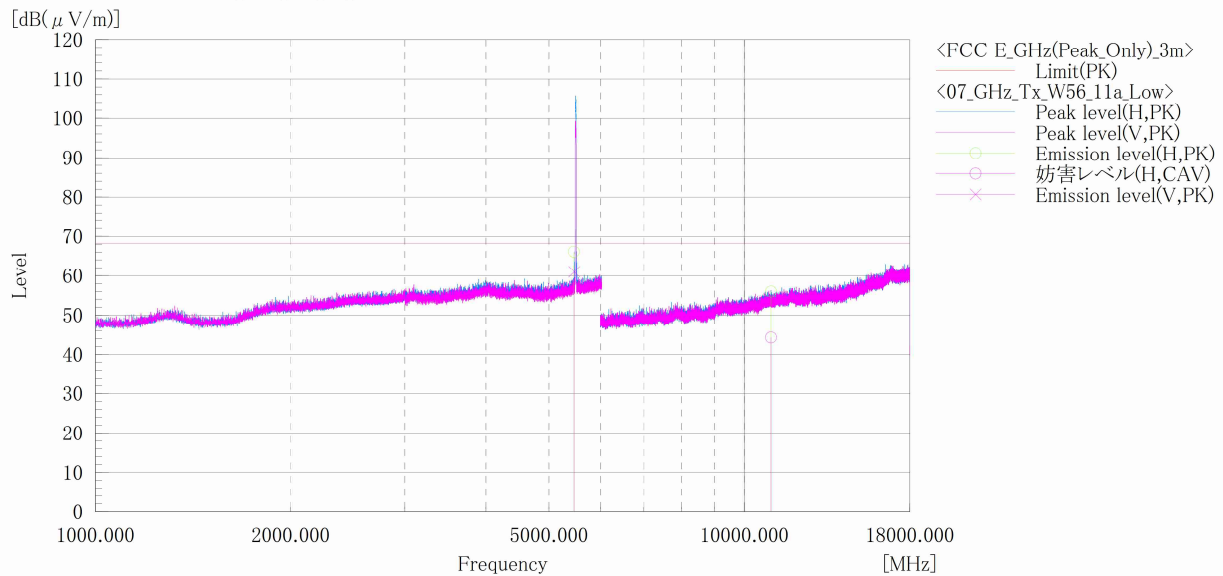


Japan

[11a]  
W56 / Channel Low  
ABOVE 1GHz

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W56\_11a\_Tx\_Low

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:100\_5500MHz  
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 [°] | Remark |
|-----|-----------------|-----|---------------------|----------------------|---------------|----------------------|-----------------------|---------------------|----------------|-----------------|-------------|-----------|--------|
| 1   | 5464.900        | H   | 54.8                | -----                | 11.3          | 66.1                 | -----                 | 68.2                | 2.1            | -----           | 118.0       | 109.0     |        |
| 2   | 5468.500        | V   | 49.7                | -----                | 11.3          | 61.0                 | -----                 | 68.2                | 7.2            | -----           | 117.0       | 206.0     |        |
| 3   | 11000.000       | H   | 44.1                | 32.4                 | 11.9          | 56.0                 | 44.3                  | 74.0                | 18.0           | 9.7             | 182.0       | 120.0     |        |

Note:

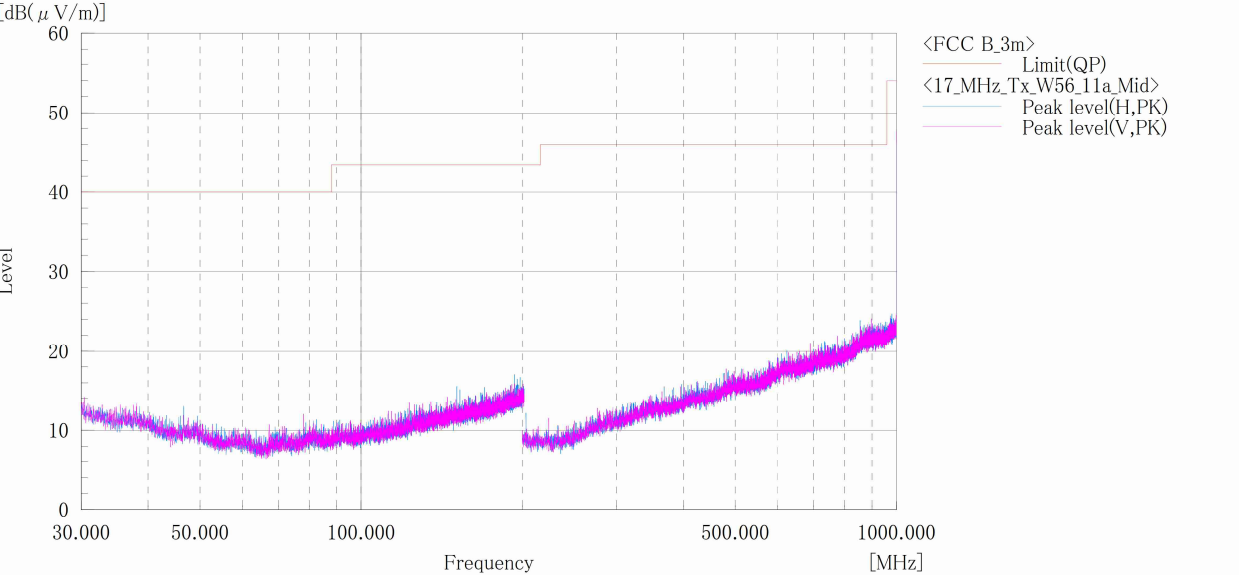
- Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
- No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

[11a]  
W56 / Channel Middle  
BELOW 1GHz

|              |                          |          |                         |
|--------------|--------------------------|----------|-------------------------|
| Company name | : KYOCERA Corporation    | Standard | : FCC Part.15 subpart E |
| EUT          | : Mobile Phone           | Operator | : T.Watanabe            |
| Model No.    | : EB1035                 | Temp,Hum | : 23.8[°C] 35.3[%]      |
| Serial No.   | : N/A                    | Note1    | : CH:116 5580MHz        |
| Test mode    | : 5GHz_W56_11a_Tx_ch:Mid | Note2    | :                       |



Final Result

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

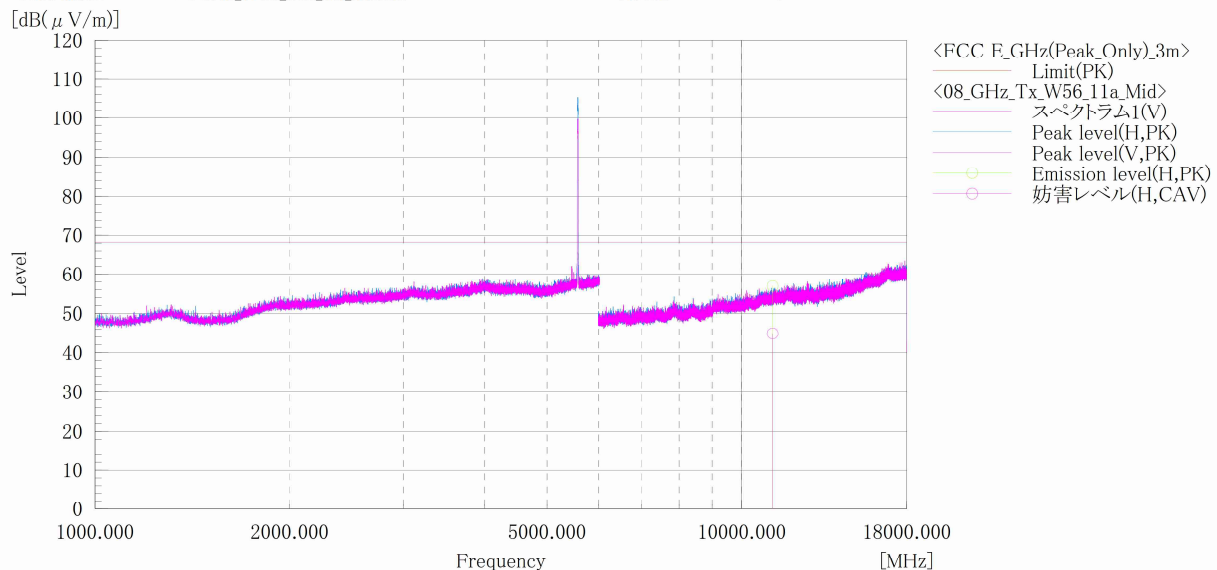
- Note:
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
  2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

## [11a]

**W56 / Channel Middle**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : 5GHz\_W56\_11a\_Tx\_Middle

Standard : FCC Part.15 subpart E  
 Operator : T.Watanabe  
 Temp,Hum,Atm : 22.3[°C] 36.3[%]  
 Note1 : ch:116\_5580MHz  
 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 [°] | Remark |
|-----|-----------------|-----|---------------------|----------------------|---------------|----------------------|-----------------------|---------------------|----------------|-----------------|-------------|-----------|--------|
| 1   | 11160.000       | H   | 44.9                | 32.9                 | 12.0          | 56.9                 | 44.9                  | 74.0                | 17.1           | 9.1             | 144.0       | 113.0     |        |

## Note:

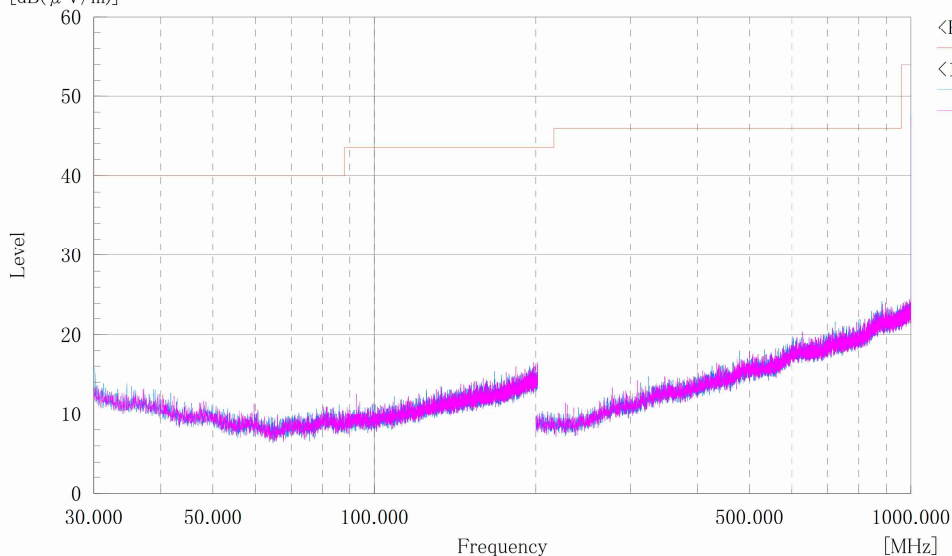
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11a]**  
**W56 / Channel High**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : 5GHz\_W56\_11a\_Tx\_ch:High

Standard : FCC Part.15 subpart E  
 Operator : T.Watanabe  
 Temp,Hum : 23.8[°C] 35.3[%]  
 Note1 : CH:140 5700MHz  
 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.

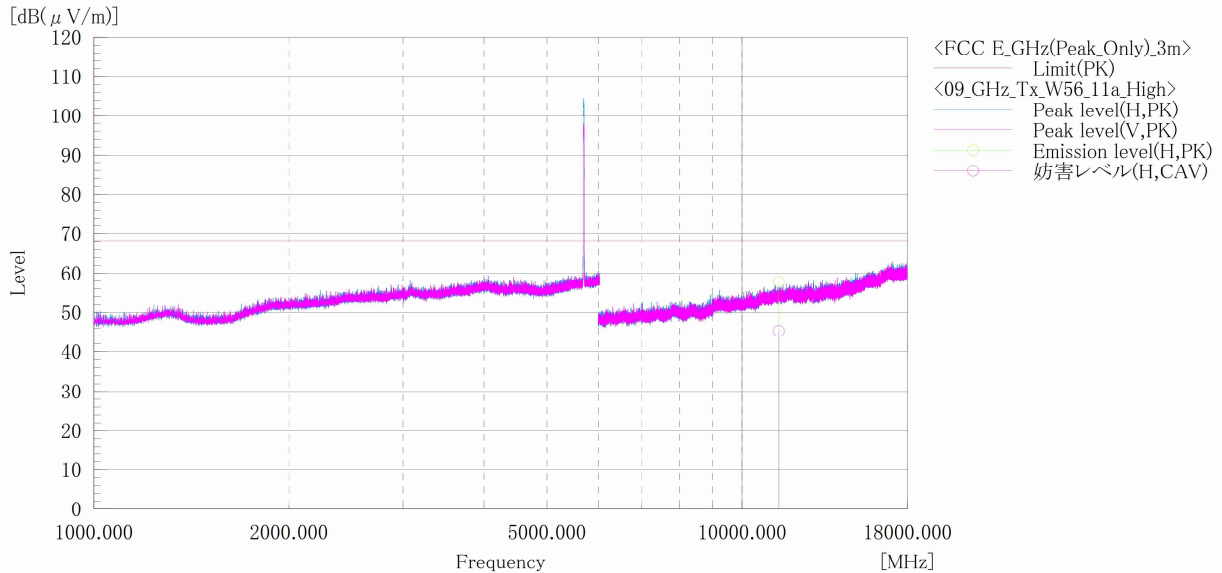


Japan

[11a]  
W56 / Channel High  
ABOVE 1GHz

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W56\_11a\_Tx\_High

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:140\_5700MHz  
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 [°] | Remark |
|-----|-----------------|-----|---------------------|----------------------|----------------|----------------------|-----------------------|---------------------|----------------|-----------------|-------------|-----------|--------|
| 1   | 11400.000       | H   | 45.7                | 33.2                 | 12.1           | 57.8                 | 45.3                  | 74.0                | 16.2           | 8.7             | 138.0       | 264.0     |        |

Note:

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

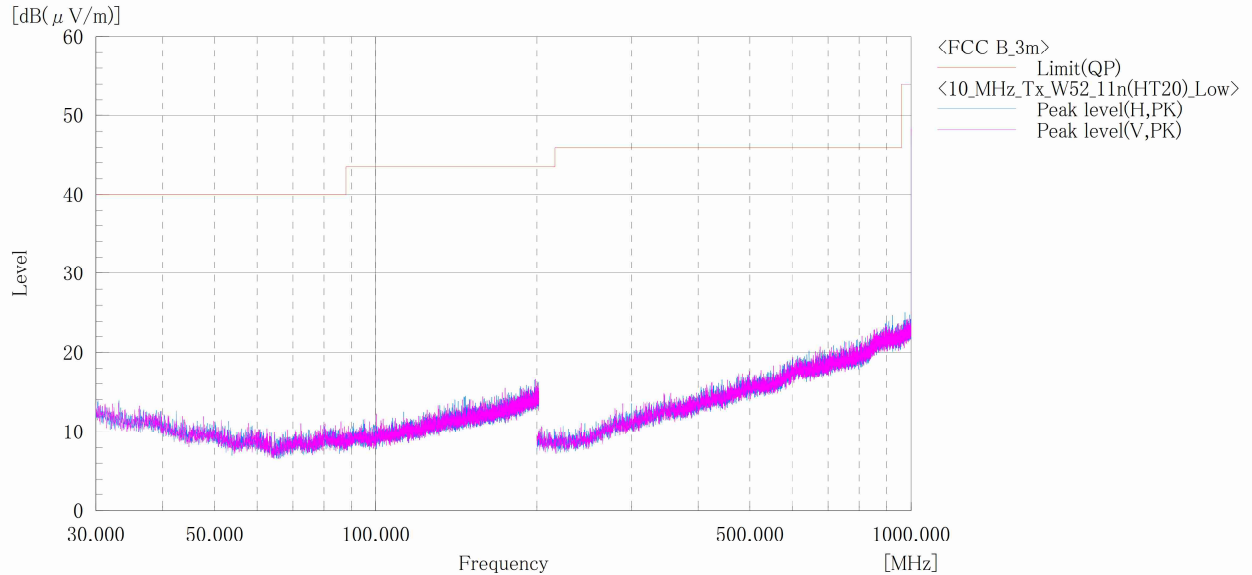


Japan

**[11n(HT20)]**  
**W52 / Channel Low**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11n(HT20)\_Tx\_ch:Low

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum : 23.8[°C] 35.3[%]  
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.

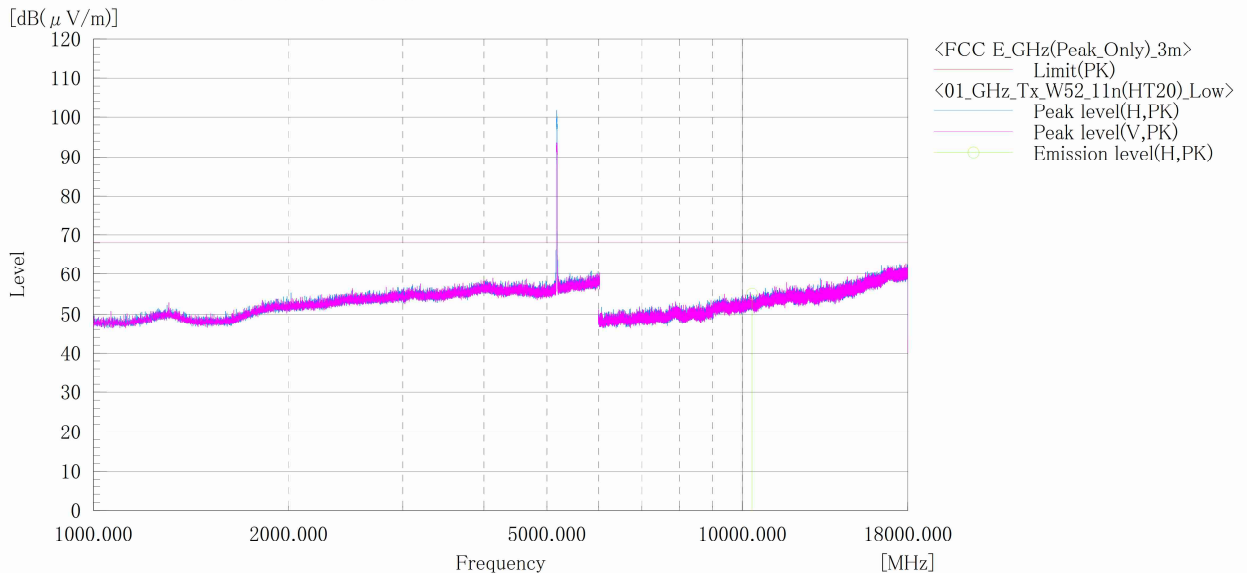


Japan

**[11n(HT20)]**  
**W52 / Channel Low**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11n(HT20)\_Tx\_Low

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:36\_5180MHz  
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   | 10360.000       | H   | 44.4                | 10.6          | 55.0                 | 68.2                | 13.2           | 174.0       | 198.0     |        |

Note:

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



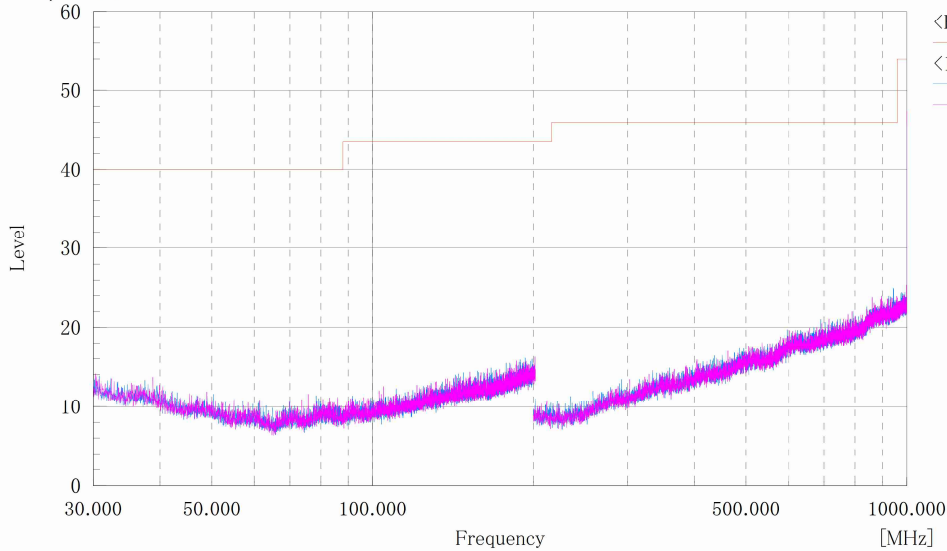
Japan

**[11n(HT20)]**  
**W52 / Channel Middle**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11n(HT20)\_Tx\_ch:Mid

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum : 23.8[°C] 35.3[%]  
Note1 : CH:40 5200MHz  
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.

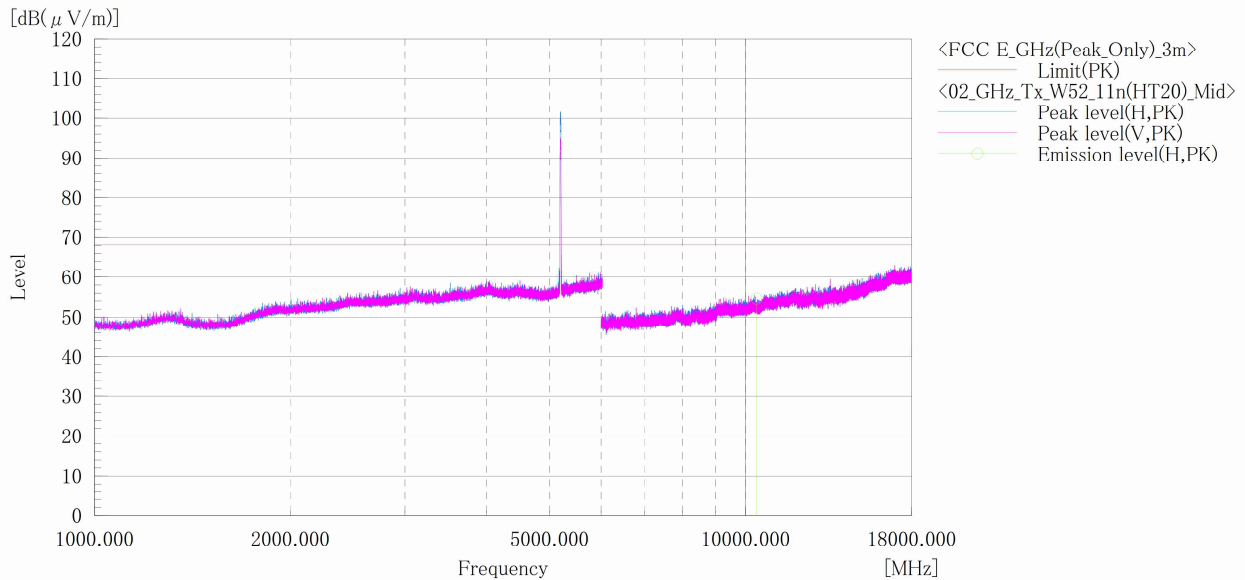


Japan

**[11n(HT20)]**  
**W52 / Channel Middle**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11n(HT20)\_Tx\_Middle

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum,Atm : 22.3[°C] 36.3[%]  
Note1 : ch:40\_5200MHz  
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   | 10400.000       | H   | 43.9                | 10.7          | 54.6                 | 68.2                | 13.6           | 131.0       | 123.0     |        |

Note:

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



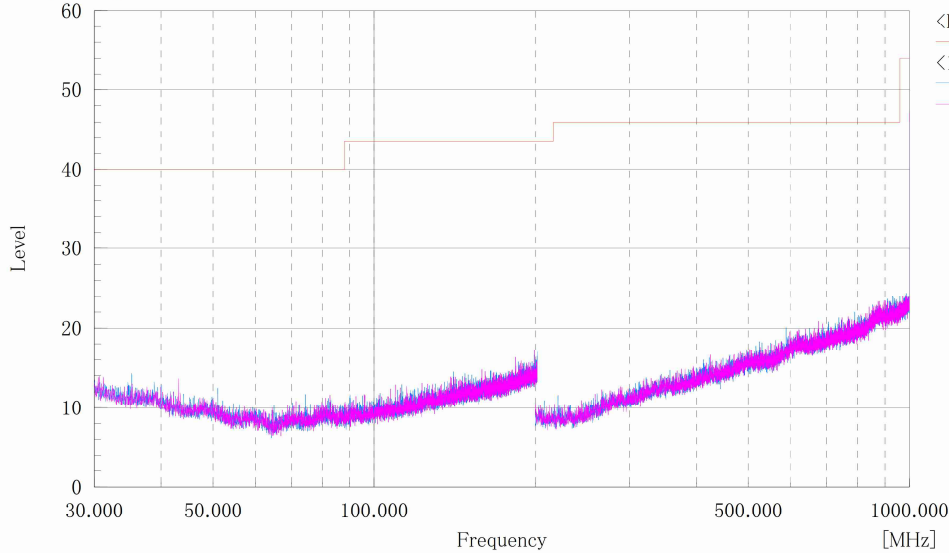
Japan

**[11n(HT20)]**  
**W52 / Channel High**  
**BELOW 1GHz**

Company name : KYOCERA Corporation  
EUT : Mobile Phone  
Model No. : EB1035  
Serial No. : N/A  
Test mode : 5GHz\_W52\_11n(HT20)\_Tx\_ch:High

Standard : FCC Part.15 subpart E  
Operator : T.Watanabe  
Temp,Hum : 23.8[°C] 35.3[%]  
Note1 : CH:48 5240MHz  
Note2 :

[dB(μV/m)]



Final Result

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

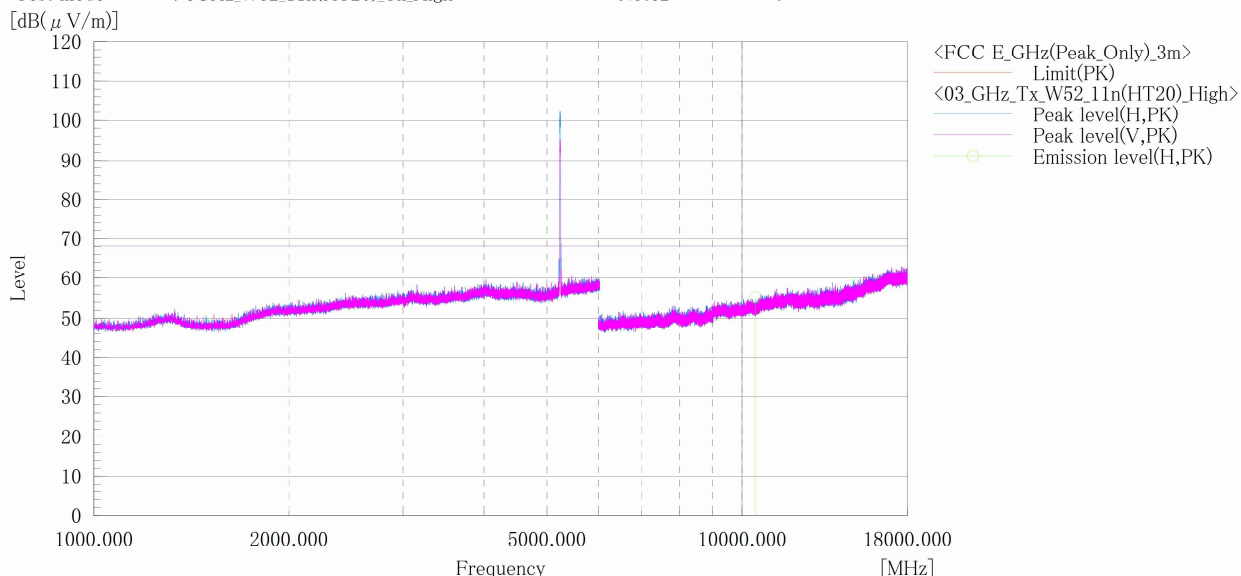
Note:

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.

**[11n(HT20)]**  
**W52 / Channel High**  
**ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1035  
 Serial No. : N/A  
 Test mode : 5GHz\_W52\_11n(HT20)\_Tx\_High

Standard : FCC Part.15 subpart E  
 Operator : T.Watanabe  
 Temp,Hum,Atm : 22.3[°C] 36.3[%]  
 Note1 : ch:48\_5240MHz  
 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   | 10480.000       | H   | 44.3                | 10.9          | 55.2                 | 68.2                | 13.0           | 155.0       | 127.0     |        |

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.