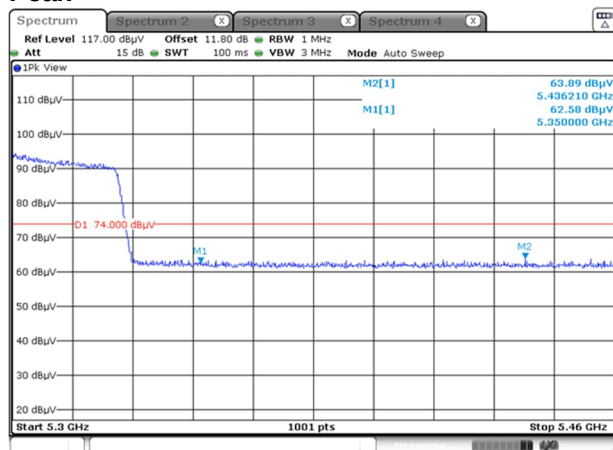
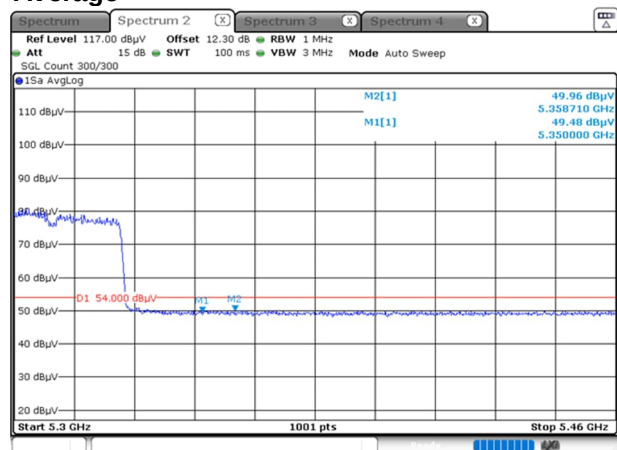


[IEEE802.11ac (VHT80)]

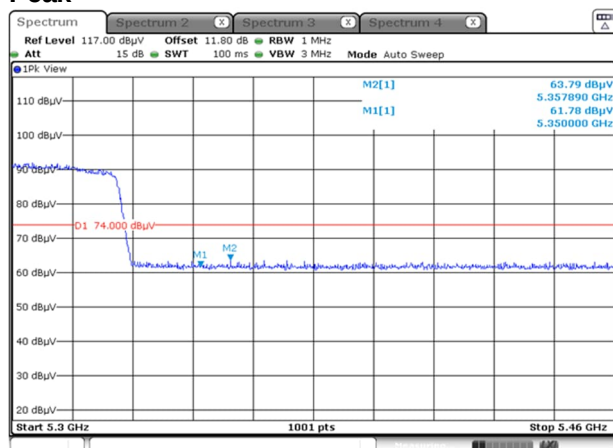
5.3 GHz Band, Channel High Horizontal Peak



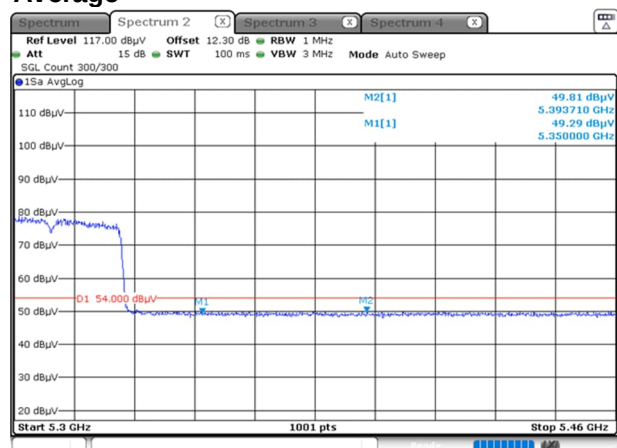
Average



Vertical Peak

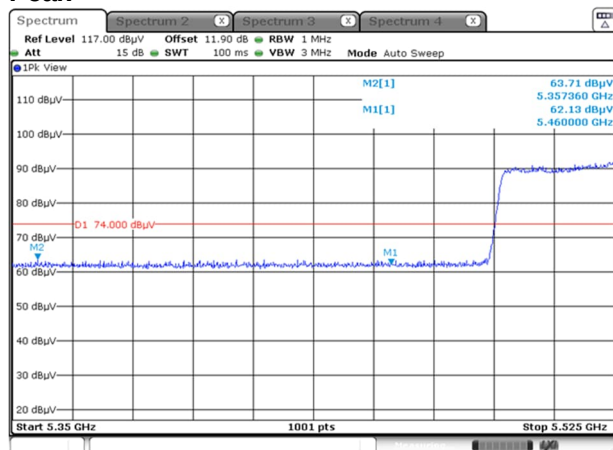


Average

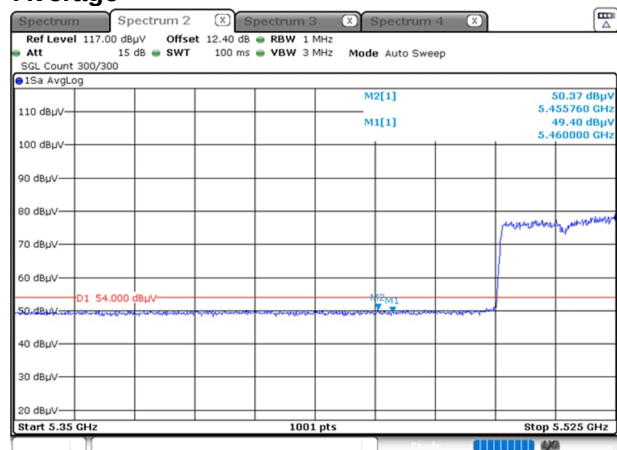


[IEEE802.11ac (VHT80)]

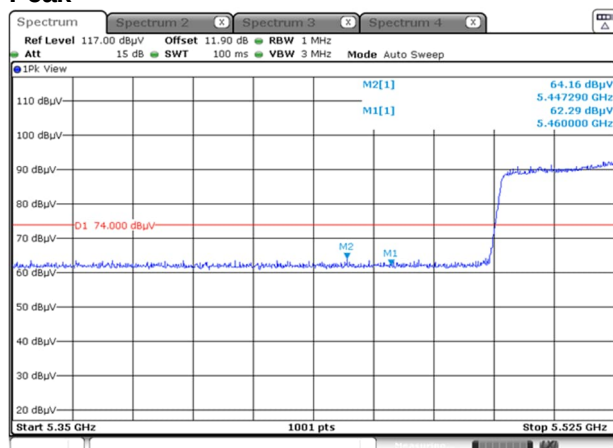
5.6 GHz Band, Channel Low Horizontal Peak



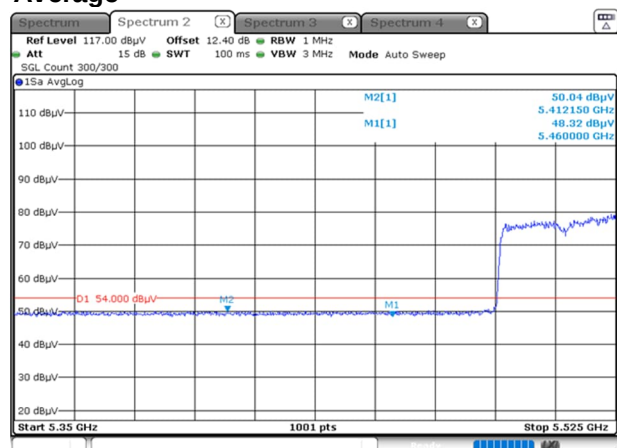
Average



Vertical Peak



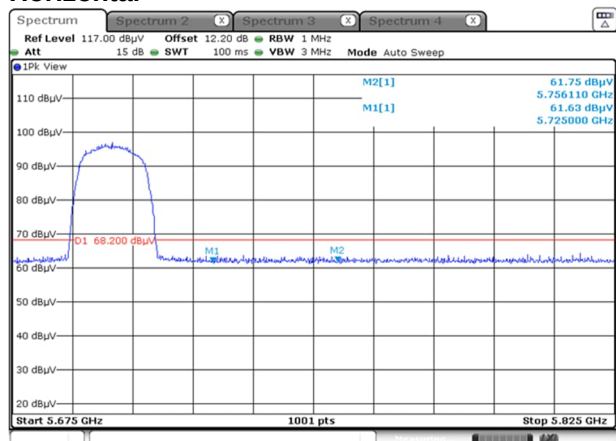
Average



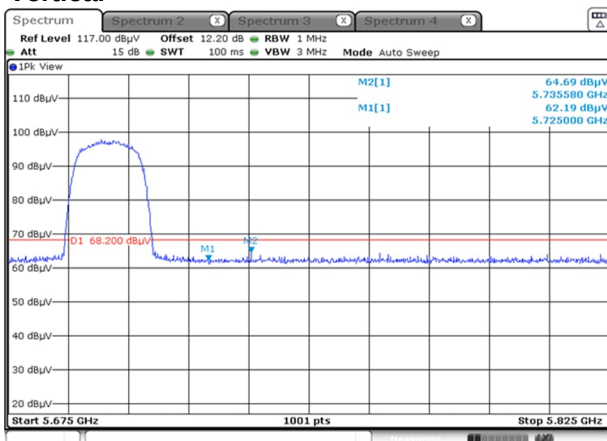
4.4.4.2 Non-Restricted Bandedge

[IEEE802.11a]

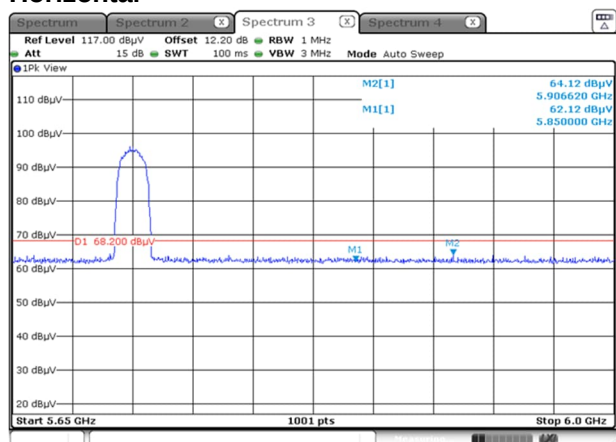
5.6 GHz Band, Channel High (140) Peak Horizontal



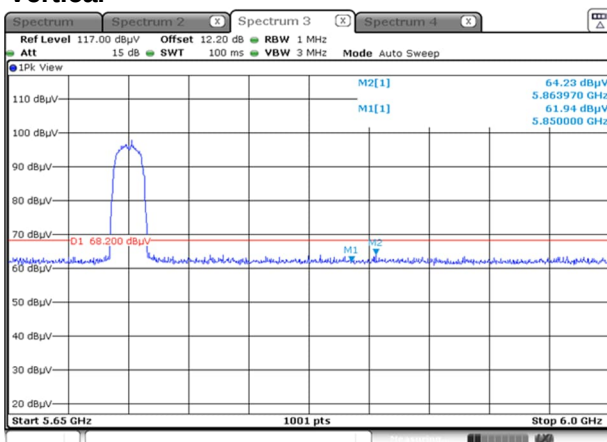
Vertical



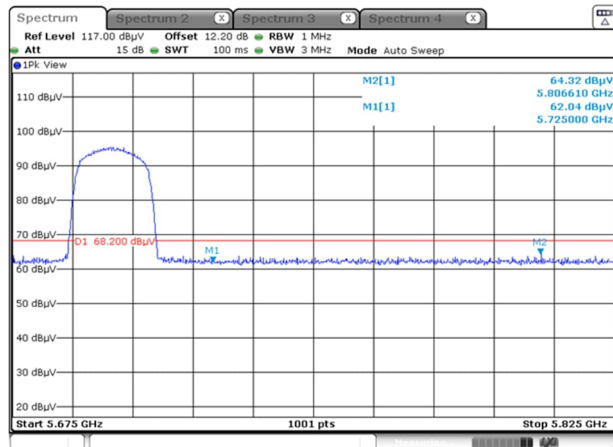
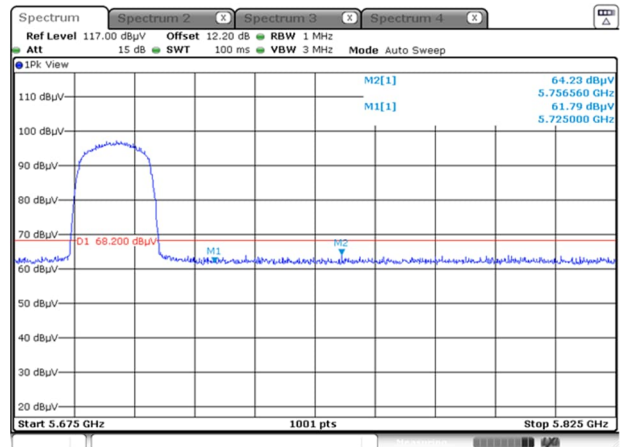
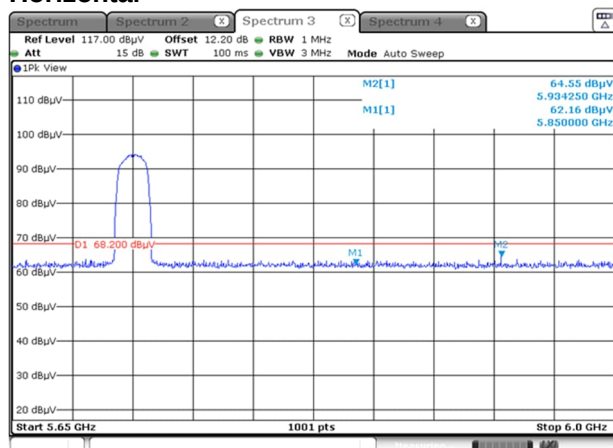
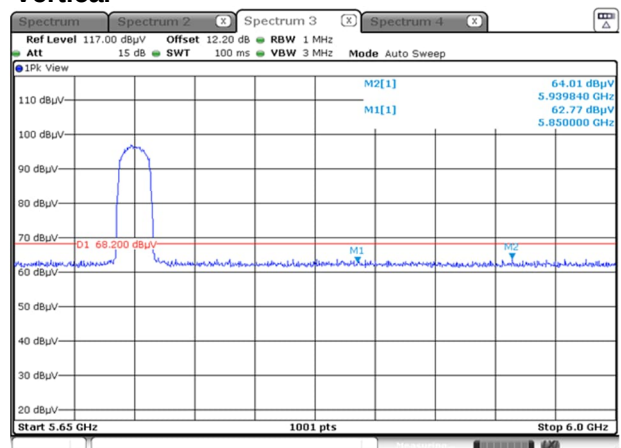
5.6 GHz Band, Channel High (144) Peak Horizontal



Vertical



[IEEE802.11n (HT20)]

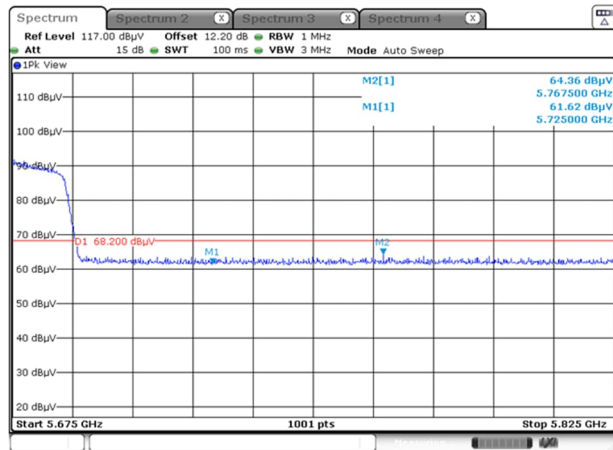
5.6 GHz Band, Channel High (140)**Peak****Horizontal****Vertical****5.6 GHz Band, Channel High (144)****Peak****Horizontal****Vertical**

[IEEE802.11n (HT40)]

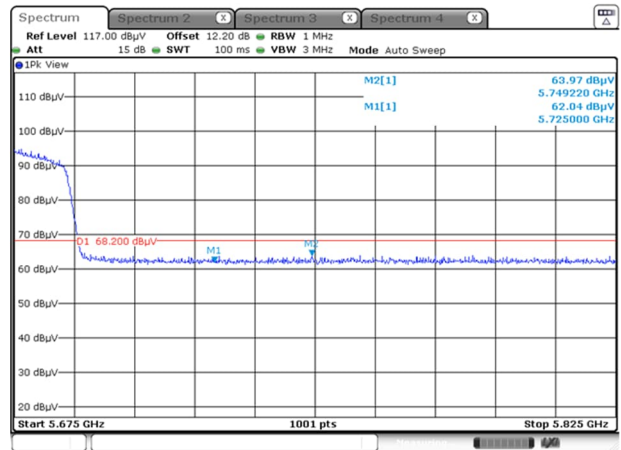
5.6GHz Band, Channel High (134)

Peak

Horizontal



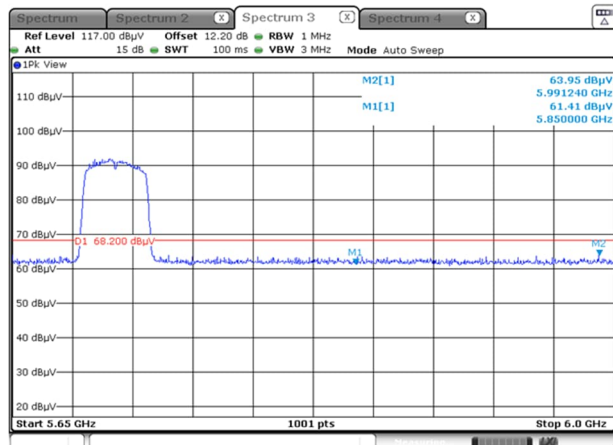
Vertical



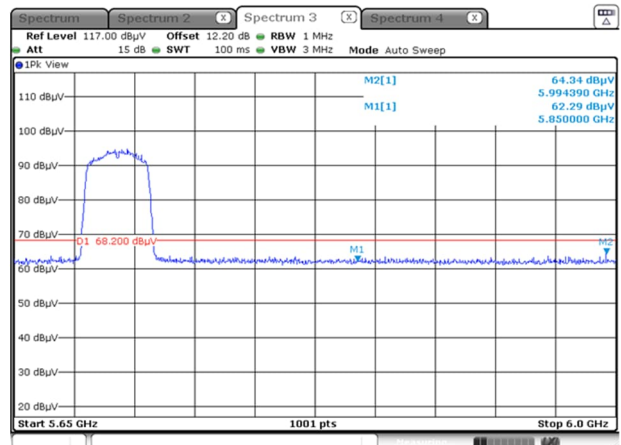
5.6GHz Band, Channel High (142)

Peak

Horizontal



Vertical

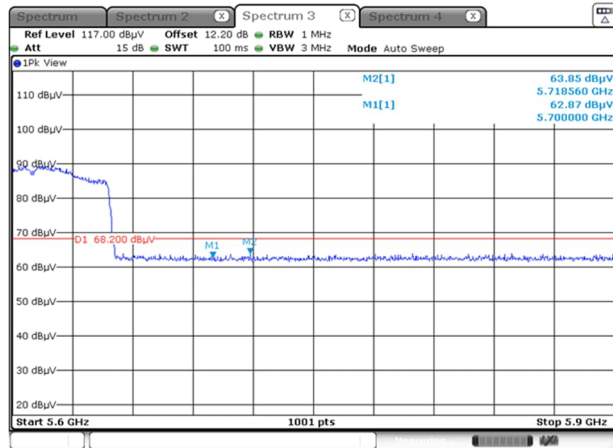


[IEEE802.11ac (VHT80)]

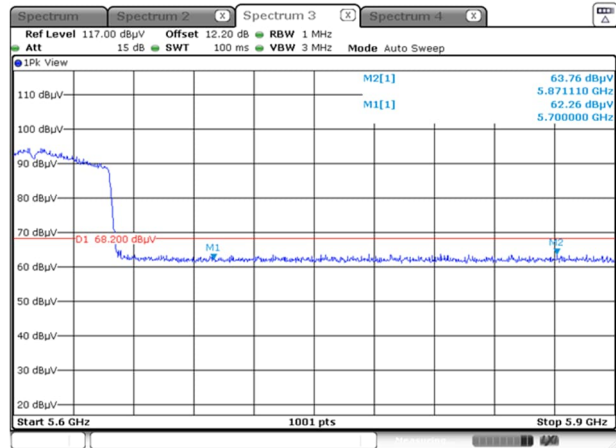
5.6 GHz Band, Channel High (122)

Peak

Horizontal



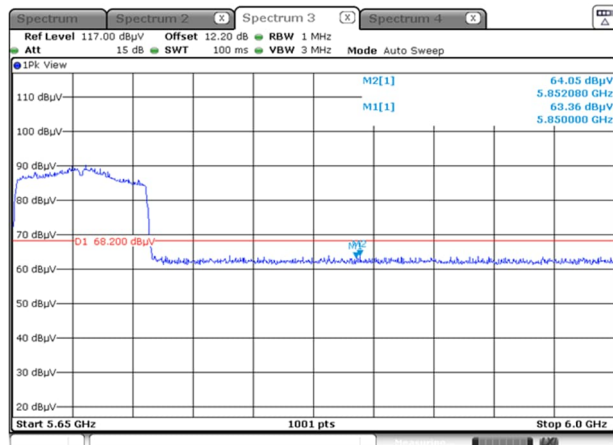
Vertical



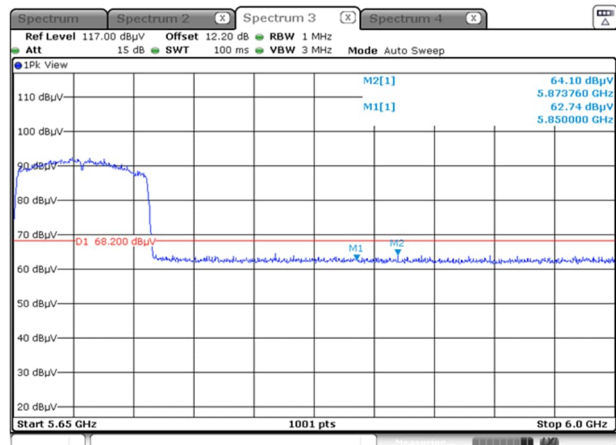
5.6 GHz Band, Channel High (138)

Peak

Horizontal



Vertical



4.4.4.3 Radiated Emissions

Date	: 27-July-2023	Test engineer	: <u>Chiaki Kanno</u>
Temperature	: 23.3 [°C]		
Humidity	: 64.9 [%]		
Test place	: 3m Semi-anechoic chamber		
Date	: 18-August-2023	Test engineer	: <u>Chiaki Kanno</u>
Temperature	: 23.8 [°C]		
Humidity	: 68.5 [%]		
Test place	: 3m Semi-anechoic chamber		
Date	: 19-August-2023	Test engineer	: <u>Chiaki Kanno</u>
Temperature	: 23.7 [°C]		
Humidity	: 71.2 [%]		
Test place	: 3m Semi-anechoic chamber		
Date	: 21-August-2023	Test engineer	: <u>Chiaki Kanno</u>
Temperature	: 24.2 [°C]		
Humidity	: 68.3 [%]		
Test place	: 3m Semi-anechoic chamber		
Date	: 22-August-2023	Test engineer	: <u>Chiaki Kanno</u>
Temperature	: 24.4 [°C]		
Humidity	: 69.1 [%]		
Test place	: 3m Semi-anechoic chamber		
Date	: 23-August-2023	Test engineer	: <u>Chiaki Kanno</u>
Temperature	: 23.9 [°C]		
Humidity	: 71.0 [%]		
Test place	: 3m Semi-anechoic chamber		

**[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	46.0	12.0		58.0	68.2	10.2
			10360.00	V	PK	45.5	12.0		57.5	68.2	10.7
	40	5200	10400.00	H	PK	46.2	12.1		58.3	68.2	9.9
			10400.00	V	PK	46.0	12.1		58.1	68.2	10.1
	48	5240	10480.00	H	PK	45.1	12.2		57.3	68.2	10.9
			10480.00	V	PK	44.9	12.2		57.1	68.2	11.1

(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	45.6	12.2		57.8	68.2	10.4
			10520.00	V	PK	44.7	12.2		56.9	68.2	11.3
	56	5280	10560.00	H	PK	45.2	12.3		57.5	68.2	10.7
			10560.00	V	PK	45.1	12.3		57.4	68.2	10.8
	64	5320	10640.00	H	PK	45.8	12.4		58.2	74.0	15.8
			10640.00	H	AV	34.6	12.4	0.11	47.1	54.0	6.9
			10640.00	V	PK	45.6	12.4		58.0	74.0	16.0
			10640.00	V	AV	34.6	12.4	0.11	47.1	54.0	6.9

(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)
802.11a	100	5500	5463.90	H	PK	49.4	11.8		61.2	68.2	7.0
			5464.60	V	PK	49.4	11.8		61.2	68.2	7.0
			11000.00	H	PK	45.2	12.7		57.9	74.0	16.1
			11000.00	H	AV	45.1	12.7	0.11	57.9	54.0	-3.9
			11000.00	V	PK	34.6	12.7		47.3	74.0	26.7
			11000.00	V	AV	34.6	12.7	0.11	47.4	54.0	6.6
	116	5580	11160.00	H	PK	45.1	12.9		58.0	74.0	16.0
			11160.00	H	AV	34.6	12.9	0.11	47.6	54.0	6.4
			11160.00	V	PK	45.6	12.9		58.5	74.0	15.5
			11160.00	V	AV	34.6	12.9	0.11	47.6	54.0	6.4
	140	5700	11400.00	H	PK	45.7	13.2		58.9	74.0	15.1
			11400.00	H	AV	34.6	13.2	0.11	47.9	54.0	6.1
			11400.00	V	PK	45.8	13.2		59.0	74.0	15.0
			11400.00	V	AV	34.6	13.2	0.11	47.9	54.0	6.1
	144	5720	11440.00	H	PK	45.3	13.3		58.6	74.0	15.4
			11440.00	H	AV	34.6	13.3	0.11	48.0	54.0	6.0
			11440.00	V	PK	45.3	13.3		58.6	74.0	15.4
			11440.00	V	AV	34.6	13.3	0.11	48.0	54.0	6.0

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	45.8	12.0		57.8	68.2	10.4
			10360.00	V	PK	45.4	12.0		57.4	68.2	10.8
	40	5200	10400.00	H	PK	45.6	12.1		57.7	68.2	10.5
			10400.00	V	PK	45.9	12.1		58.0	68.2	10.2
	48	5240	10480.00	H	PK	45.2	12.2		57.4	68.2	10.8
			10480.00	V	PK	45.4	12.2		57.6	68.2	10.6

(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	44.3	12.2		56.5	68.2	11.7
			10520.00	V	PK	44.4	12.2		56.6	68.2	11.6
	56	5280	10560.00	H	PK	44.8	12.3		57.1	68.2	11.1
			10560.00	V	PK	44.7	12.3		57.0	68.2	11.2
	64	5320	10640.00	H	PK	45.4	12.4		57.8	74.0	16.2
			10640.00	H	AV	33.9	12.4	0.128	46.4	54.0	7.6
			10640.00	H	PK	45.0	12.4		57.4	74.0	16.6
			10640.00	H	AV	34.0	12.4	0.128	46.5	54.0	7.5

(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 (20MHz)	100	5500	5468.62	H	PK	49.9	11.8		61.7	68.2	6.5
			5468.24	V	PK	49.8	11.8		61.6	68.2	6.6
			11000.00	H	PK	45.2	12.7		57.9	74.0	16.1
			11000.00	H	AV	33.8	12.7	0.128	46.6	54.0	7.4
			11000.00	V	PK	44.5	12.7		57.2	74.0	16.8
			11000.00	V	AV	33.7	12.7	0.128	46.5	54.0	7.5
	116	5580	11160.00	H	PK	45.4	12.9		58.3	74.0	15.7
			11160.00	H	AV	34.3	12.9	0.128	47.3	54.0	6.7
			11160.00	V	PK	45.1	12.9		58.0	74.0	16.0
	140	5700	11160.00	V	AV	34.4	12.9	0.128	47.4	54.0	6.6
			11400.00	H	PK	44.9	13.2		58.1	74.0	15.9
			11400.00	H	AV	33.9	13.2	0.128	47.2	54.0	6.8
			11400.00	V	PK	44.9	13.2		58.1	74.0	15.9
			11400.00	V	AV	33.8	13.2	0.128	47.1	54.0	6.9
	144	5720	11440.00	H	PK	44.8	13.3		58.1	74.0	15.9
			11440.00	H	AV	34.7	13.3	0.128	48.1	54.0	5.9
			11440.00	V	PK	44.7	13.3		58.0	74.0	16.0
			11440.00	V	AV	34.8	13.3	0.128	48.2	54.0	5.8

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	46.1	12.0		58.1	68.2	10.1
			10380.00	V	PK	46.1	12.0		58.1	68.2	10.1
	46	5230	10460.00	H	PK	45.4	12.0		57.4	68.2	10.8
			10460.00	V	PK	45.0	12.0		57.0	68.2	11.2

(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	45.5	12.3		57.8	68.2	10.4
			10540.00	V	PK	45.1	12.3		57.4	68.2	10.8
	62	5310	10620.00	H	PK	45.2	12.4		57.6	74.0	16.4
			10620.00	H	AV	32.9	12.4	0.241	45.5	54.0	8.5
			10620.00	V	PK	45.9	12.4		58.3	74.0	15.7
			10620.00	V	AV	32.8	12.4	0.241	45.4	54.0	8.6

(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 (40MHz)	102	5510	5463.10	H	PK	49.7	11.8		61.5	68.2	6.7
			5462.50	V	PK	49.2	11.8		61.0	68.2	7.2
			11020.00	H	PK	45.2	12.7		57.9	74.0	16.1
			11020.00	H	AV	32.6	12.7	0.241	45.5	54.0	8.5
	110	5550	11020.00	V	PK	45.3	12.7		58.0	74.0	16.0
			11020.00	V	AV	32.6	12.7	0.241	45.5	54.0	8.5
			11100.00	H	PK	45.3	12.8		58.1	74.0	15.9
			11100.00	H	AV	32.8	12.8	0.241	45.8	54.0	8.2
	134	5670	11100.00	V	PK	45.3	12.8		58.1	74.0	15.9
			11100.00	V	AV	32.7	12.8	0.241	45.7	54.0	8.3
			11340.00	H	PK	46.2	13.2		59.4	74.0	14.6
			11340.00	H	AV	32.8	13.2	0.241	46.2	54.0	7.8
	142	5710	11340.00	V	PK	45.6	13.2		58.8	74.0	15.2
			11340.00	V	AV	32.8	13.2	0.241	46.2	54.0	7.8
			11420.00	H	PK	45.6	13.3		58.9	74.0	15.1
			11420.00	H	AV	32.6	13.3	0.241	46.1	54.0	7.9

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 (VHT80)]
(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	45.7	12.1		57.8	68.2	10.4
			10420.00	H	PK	45.4	12.1		57.5	68.2	10.7

(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)
802.11ac (80MHz)	58	5290	10580.00	H	PK	45.7	12.3		58.0	68.2	10.2
			10580.00	H	PK	45.3	12.3		57.6	68.2	10.6

(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)
802.11ac (80MHz)	106	5530	5469.50	H	PK	50.0	11.8		61.8	68.2	6.4
			5469.10	V	PK	50.4	11.8		62.2	68.2	6.0
			11060.00	H	PK	45.8	12.8		58.6	74.0	15.4
			11060.00	H	AV	32.8	12.8	0.472	46.1	54.0	7.9
			11060.00	V	PK	45.7	12.8		58.5	74.0	15.5
			11060.00	V	AV	32.8	12.8	0.472	46.1	54.0	7.9
	122	5610	11220.00	H	PK	46.2	13.0		59.2	74.0	14.8
			11220.00	H	AV	33.1	13.0	0.472	46.6	54.0	7.4
			11220.00	V	PK	45.3	13.0		58.3	74.0	15.7
			11220.00	V	AV	33.1	13.0	0.472	46.6	54.0	7.4
	138	5690	11380.00	H	PK	45.5	13.2		58.7	74.0	15.3
			11380.00	H	AV	33.0	13.2	0.472	46.7	54.0	7.3
			11380.00	H	PK	46.1	13.2		59.3	74.0	14.7
			11380.00	H	AV	33.0	13.2	0.472	46.7	54.0	7.3
			11380.00	H	AV	33.0	13.2	0.472	46.7	54.0	7.3

Note:

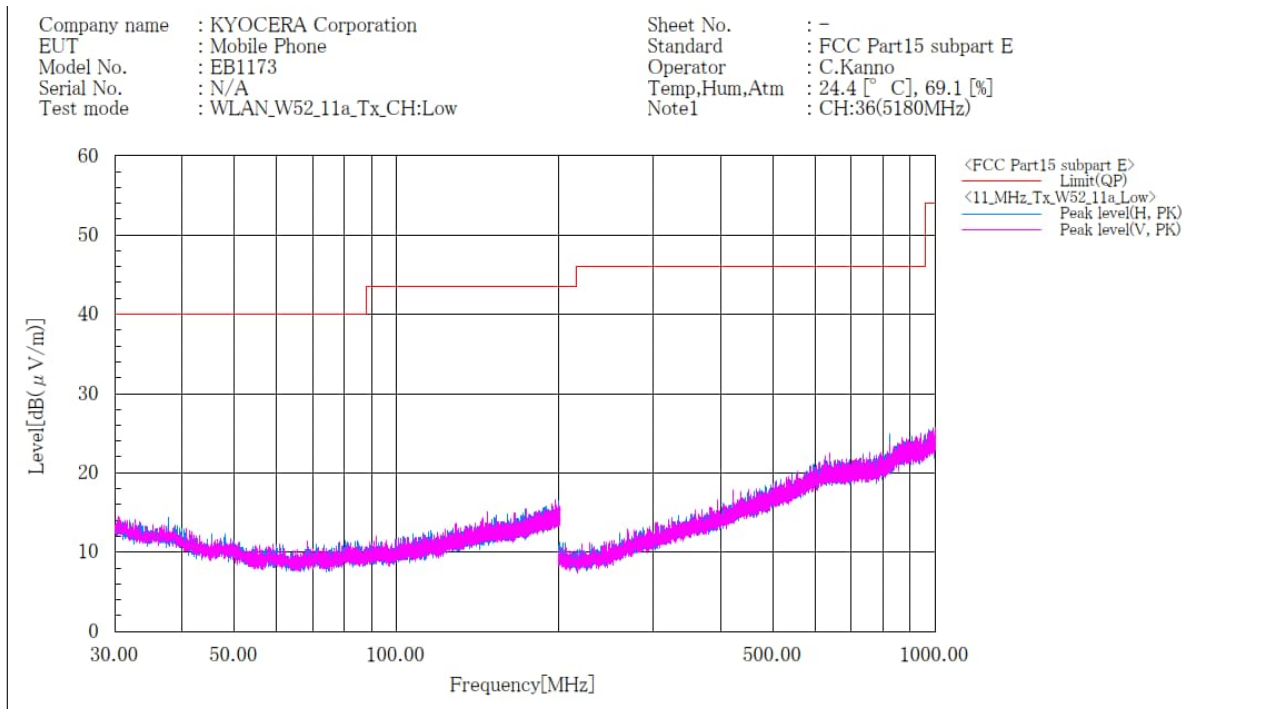
1. Emission Level (Margin) = Limit - [Reading + C.F (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30 MHz to 1000 MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

4.4.4.4 Measurement chart

Transmission mode

[11a]

5.2 GHz Band / Channel Low
BELOW 1GHz(Worst)



Final Result

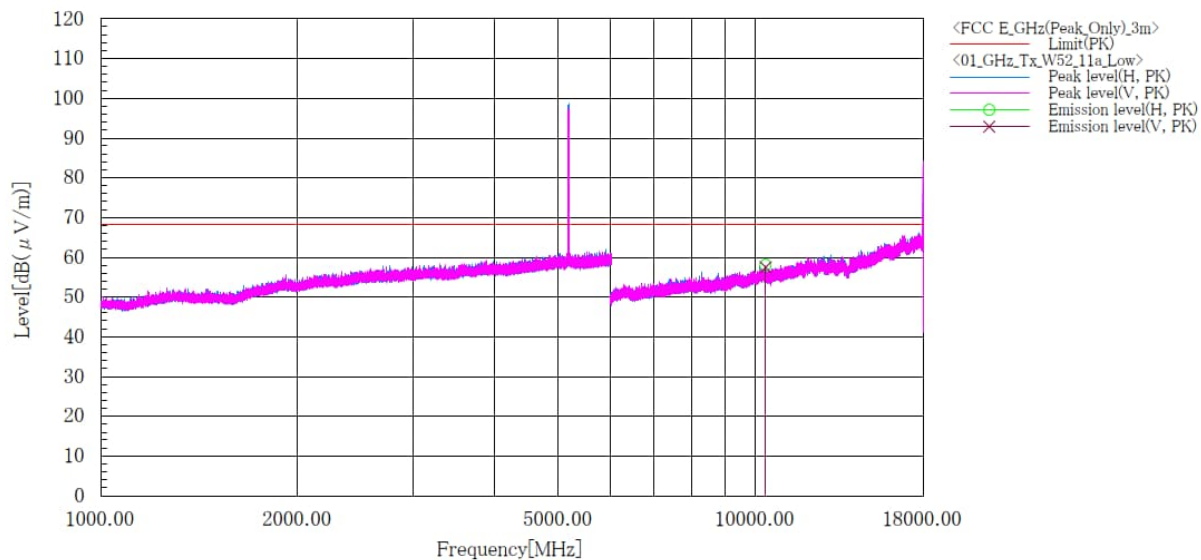
Note:

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]**5.2 GHz Band / Channel Low
ABOVE 1GHz**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W52_11a_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:36(5180MHz)
 Note2 :

**Final Result**

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10360.000	H	46.0	12.0	58.0	68.2	10.2	178.0	81.0	
2	10360.000	V	45.5	12.0	57.5	68.2	10.7	122.0	261.0	

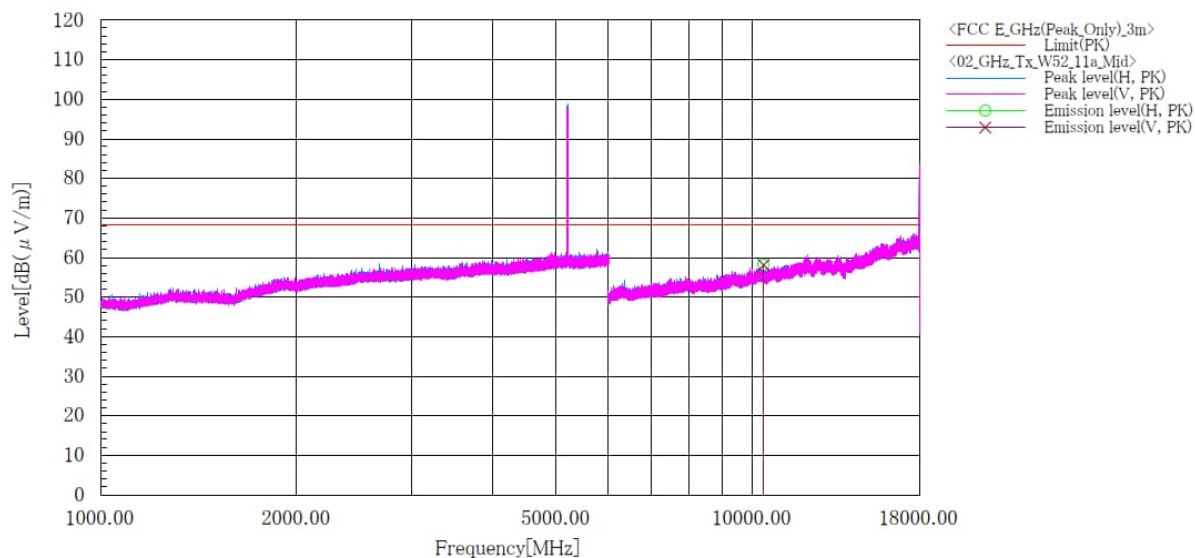
Note:

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

[11a]**5.2 GHz Band / Channel Middle
ABOVE 1GHz**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W52_11a_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:40(5200MHz)
 Note2 :

**Final Result**

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10400.000	H	46.2	12.1	58.3	68.2	9.9	188.0	67.0	
2	10400.000	V	46.0	12.1	58.1	68.2	10.1	118.0	251.0	

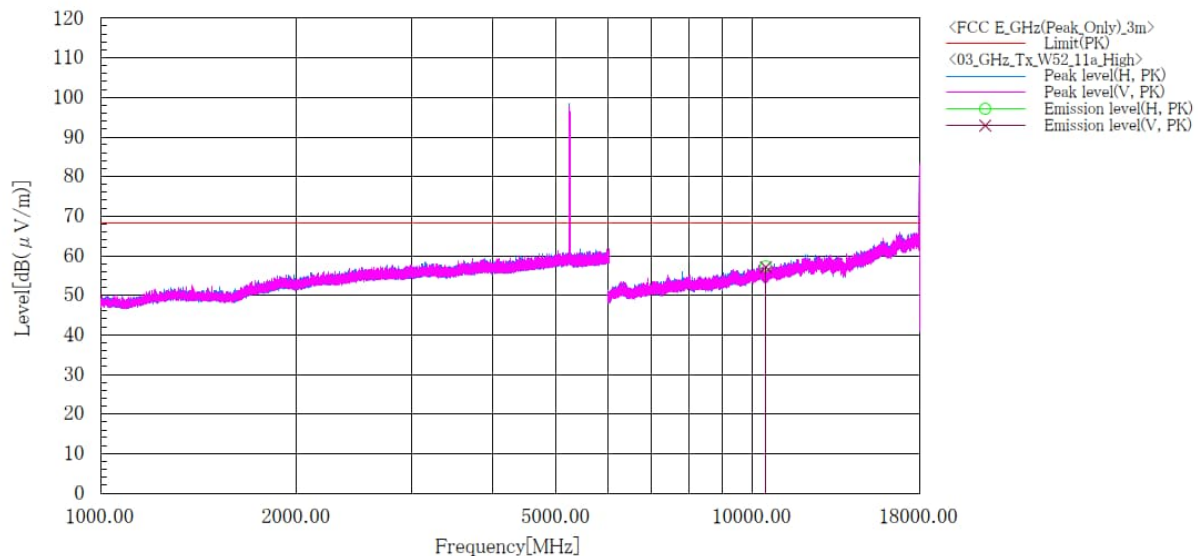
Note:

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]
5.2 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W52_11a_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:48(5240MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10480.000	H	45.1	12.2	57.3	68.2	10.9	175.0	64.0	
2	10480.000	V	44.9	12.2	57.1	68.2	11.1	123.0	128.0	

*

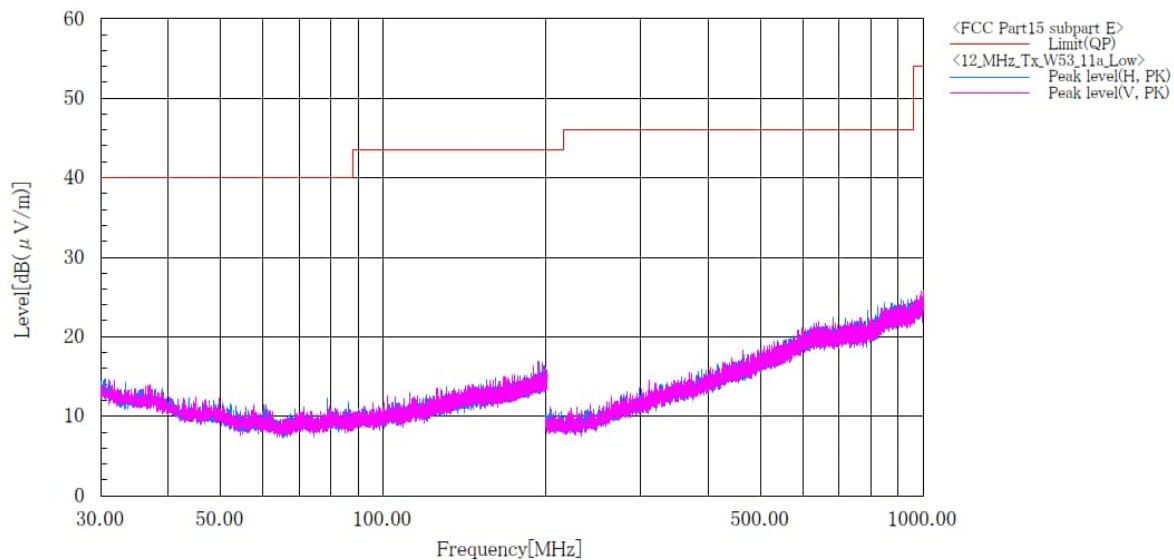
Note:

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]
5.3 GHz Band / Channel Low
BELOW 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11a_Tx_CH:Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.4 [°C], 69.1 [%]
 Note1 : CH:52(5260MHz)



Final Result

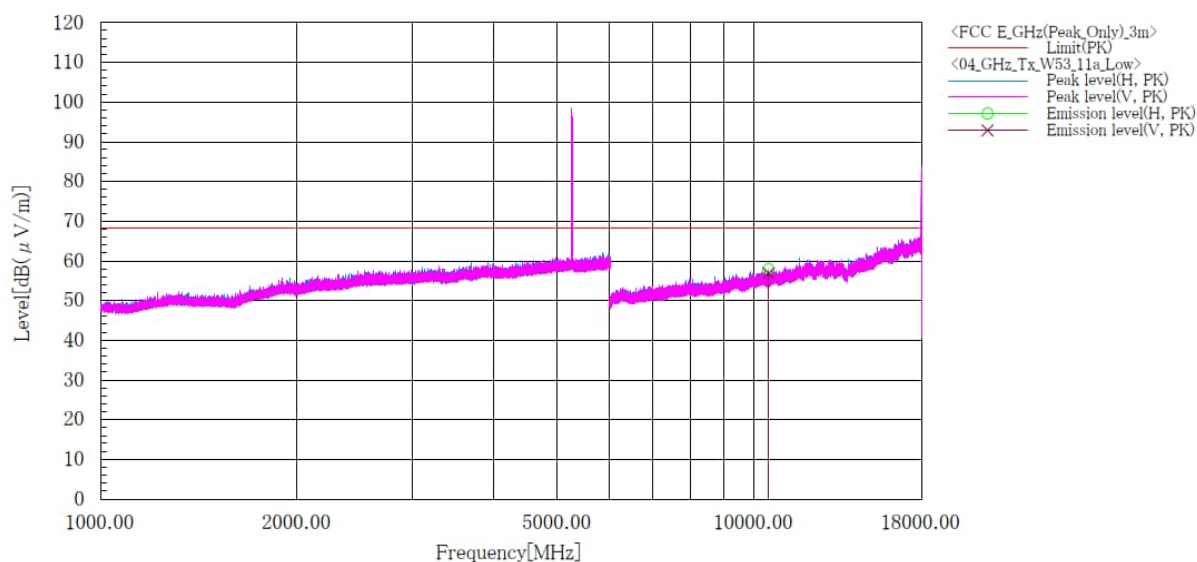
Note:

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]**5.3 GHz Band / Channel Low
ABOVE 1GHz**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W53_11a_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:52(5260MHz)
 Note2 :

**Final Result**

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10520.000	H	45.6	12.2	57.8	68.2	10.4	155.0	64.0	
2	10520.000	V	44.7	12.2	56.9	68.2	11.3	116.0	239.0	

Note:

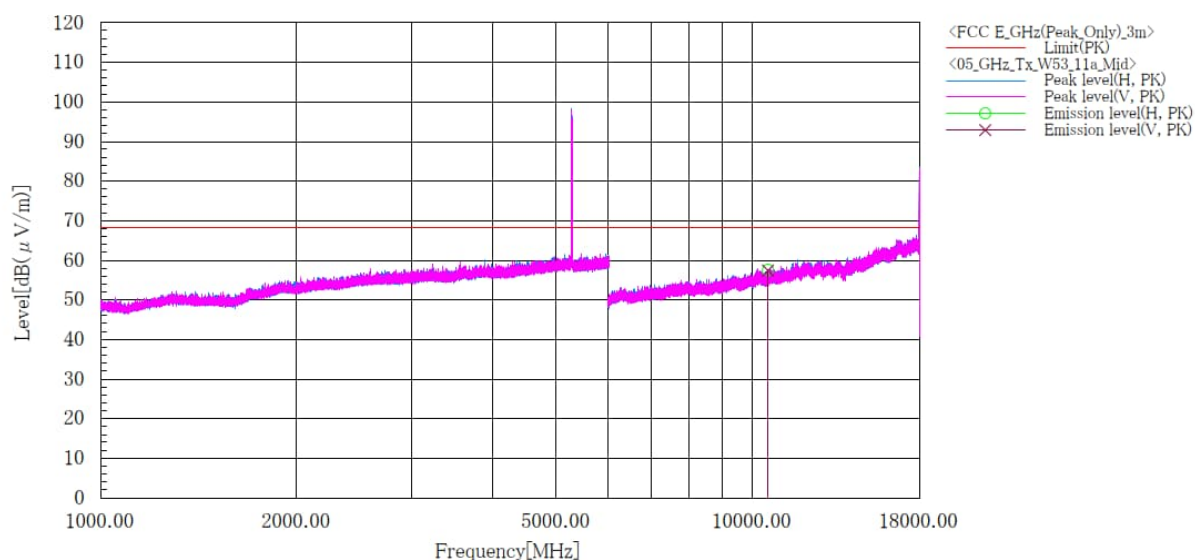
- Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
- No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

[11a]

5.3 GHz Band / Channel Middle
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W53_11a_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:56(5280MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10560.000	H	45.2	12.3	57.5	68.2	10.7	161.0	63.0	
2	10560.000	V	45.1	12.3	57.4	68.2	10.8	106.0	74.0	

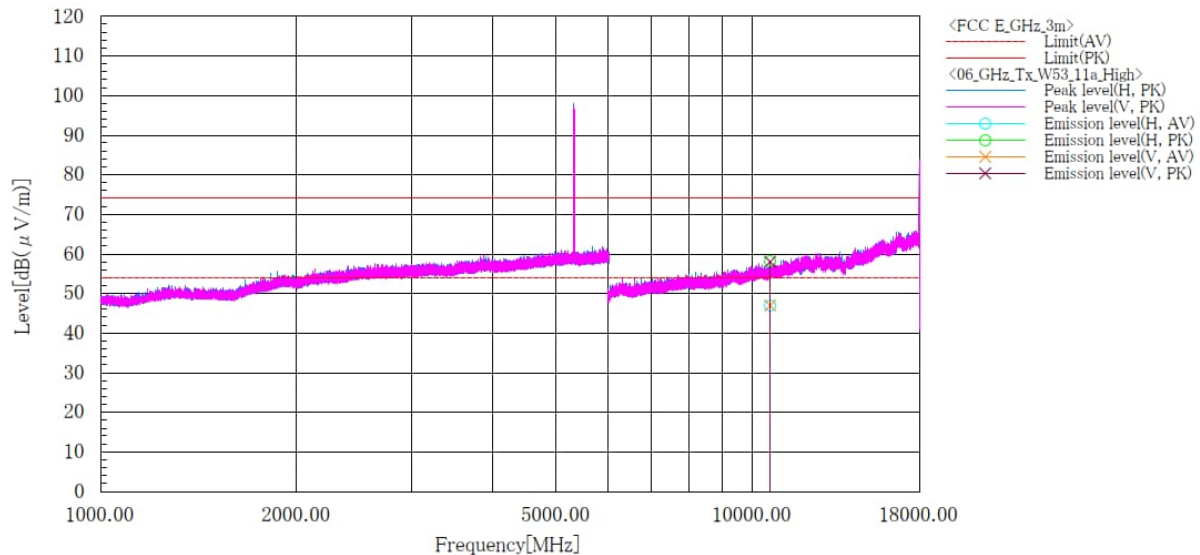
Note:

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

[11a]
5.3 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W53_11a_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:64(5320MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	10640.000	H	34.6	45.8	12.4	47.0	58.2	54.0	74.0	7.0	15.8	181.0	70.0
2	10640.000	V	34.6	45.6	12.4	47.0	58.0	54.0	74.0	7.0	16.0	132.0	128.0

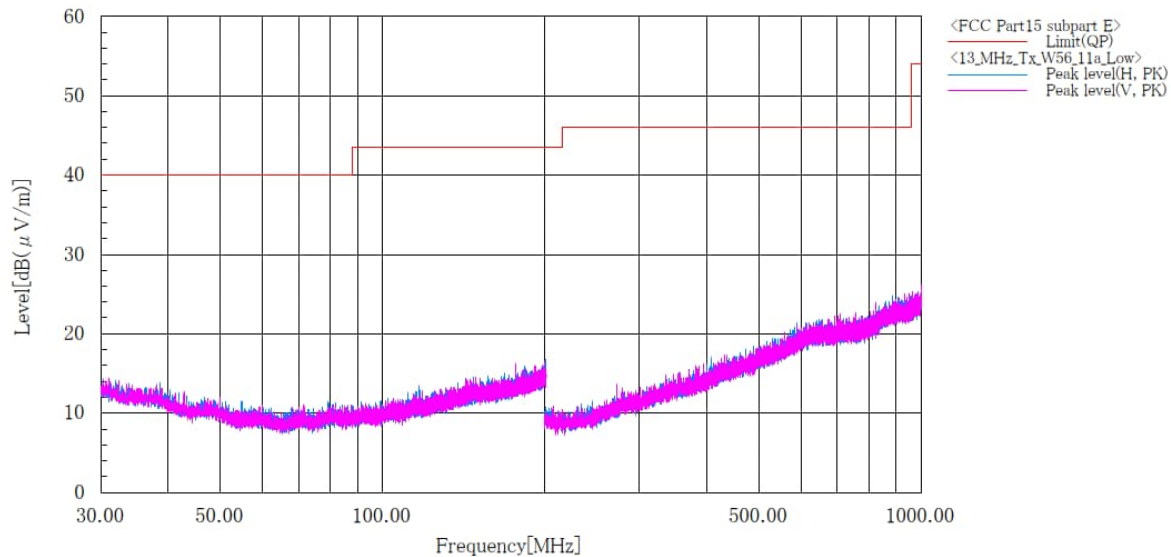
Note:

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

[11a]**5.6 GHz Band / Channel Low
BELOW 1GHz(Worst)**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11a_Tx_CH:Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.4 [°C], 69.1 [%]
 Note1 : CH:100(5500MHz)



Final Result

Note:

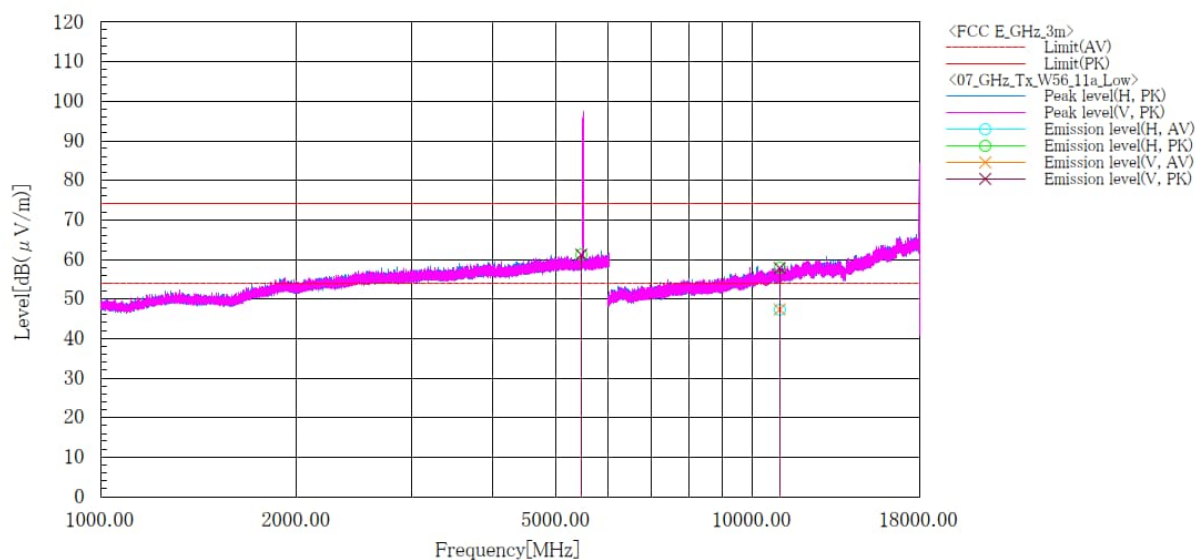
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

[11a]

5.6 GHz Band / Channel Low
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11a_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:100(5500MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	5463.900	H	49.4	49.4	11.8	61.2	61.2	68.2	68.2	7.0	7.0	156.0	70.0
2	5464.600	V	49.4	49.4	11.8	61.2	61.2	68.2	68.2	7.0	7.0	165.0	154.0
3	11000.000	H	34.6	45.2	12.7	47.3	57.9	54.0	74.0	6.7	16.1	156.0	70.0
4	11000.000	V	34.6	45.1	12.7	47.3	57.8	54.0	74.0	6.7	16.2	165.0	160.0

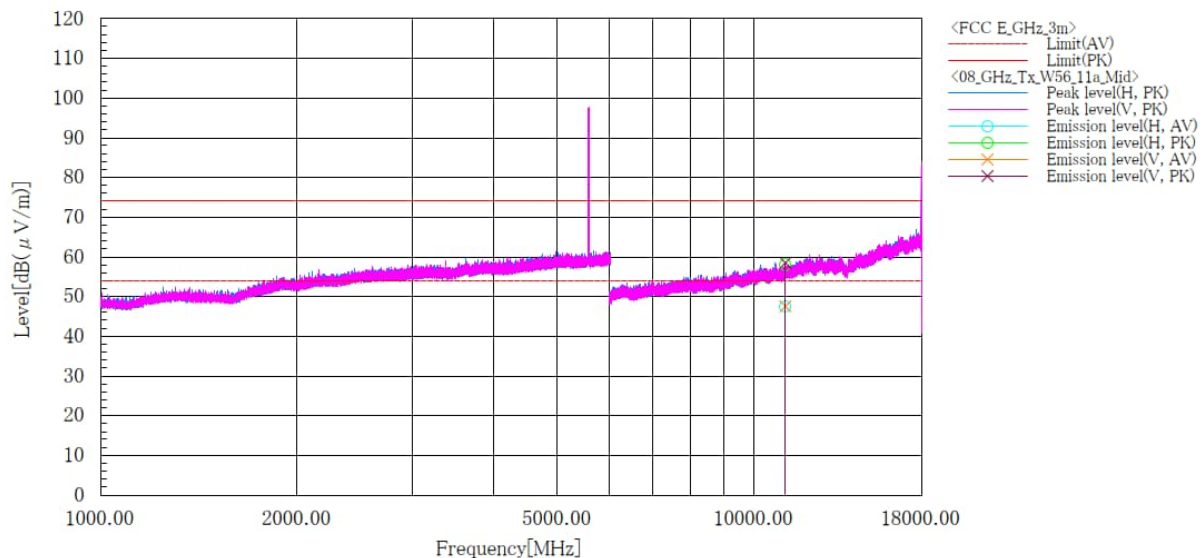
Note:

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

[11a]**5.6 GHz Band / Channel Middle
ABOVE 1GHz**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11a_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:116(5580MHz)
 Note2 :

**Final Result**

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11160.000	H	34.6	45.1	12.9	47.5	58.0	54.0	74.0	6.5	16.0	116.0	225.0
2	11160.000	V	34.6	45.6	12.9	47.5	58.5	54.0	74.0	6.5	15.5	105.0	121.0

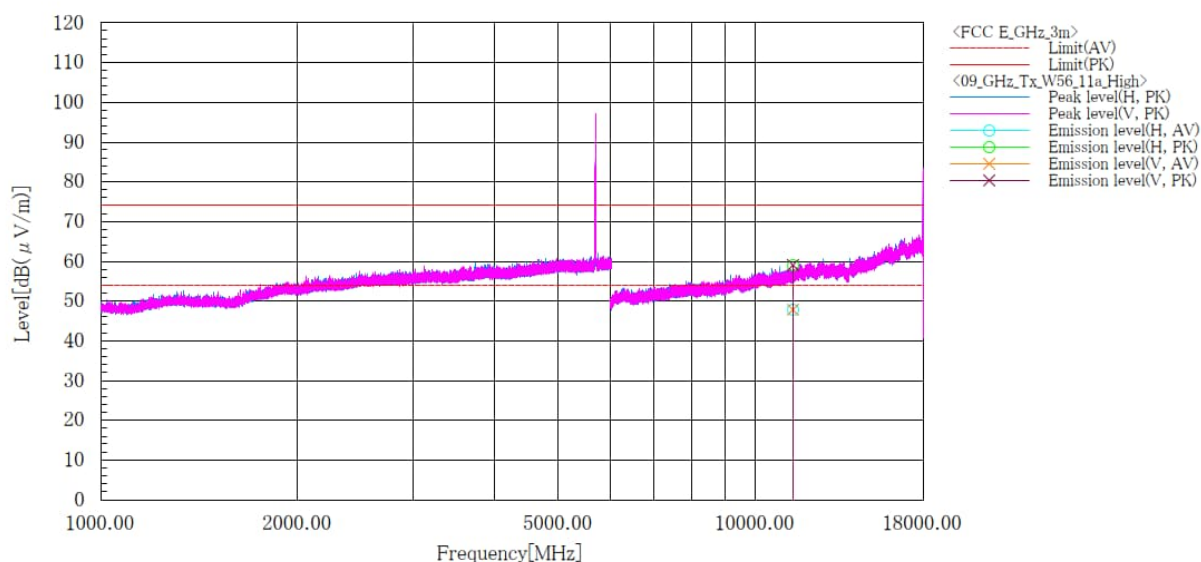
Note:

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]
5.6 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11a_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:140(5700MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11400.000	H	34.6	45.7	13.2	47.8	58.9	54.0	74.0	6.2	15.1	105.0	215.0
2	11400.000	V	34.6	45.8	13.2	47.8	59.0	54.0	74.0	6.2	15.0	168.0	185.0

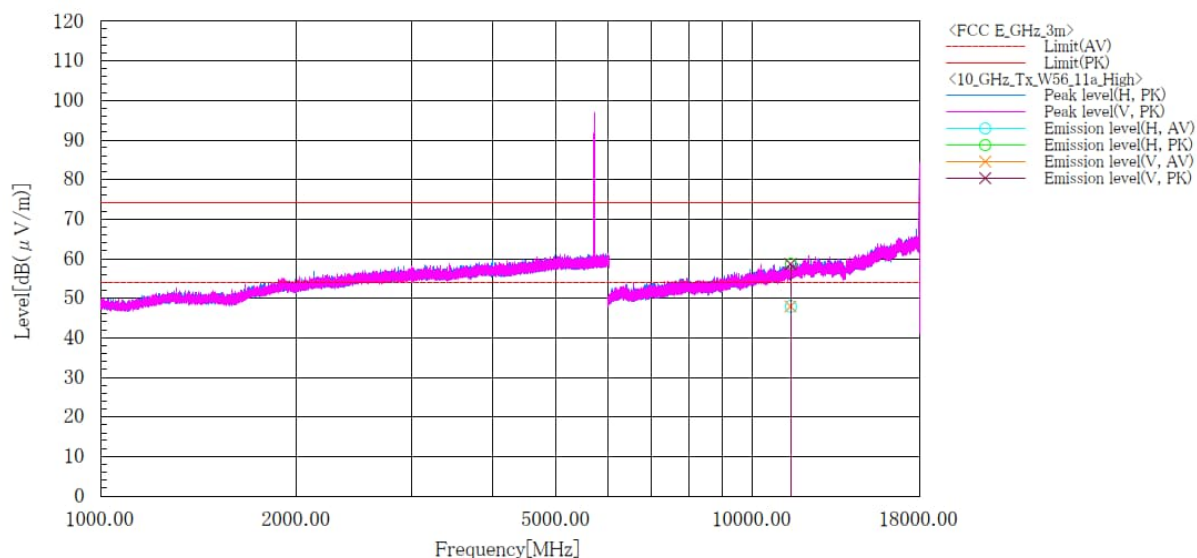
Note:

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]
5.6 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11a_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:144(5720MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11440.000	H	34.6	45.3	13.3	47.9	58.6	54.0	74.0	6.1	15.4	119.0	212.0
2	11440.000	V	34.6	45.3	13.3	47.9	58.6	54.0	74.0	6.1	15.4	177.0	182.0

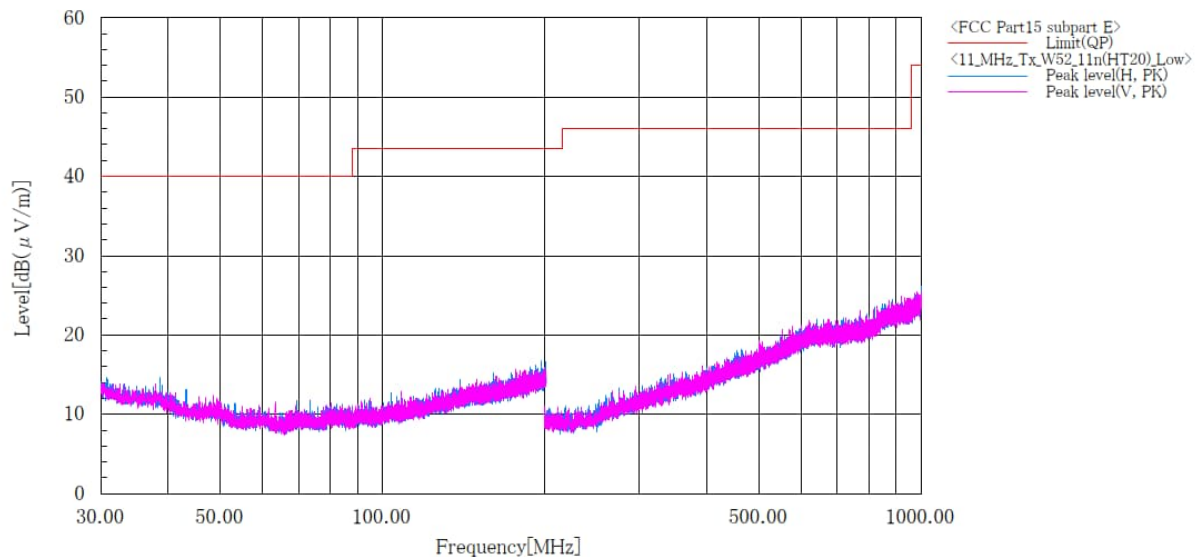
Note:

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

[11n(HT20)]
5.2 GHz Band / Channel Low
BELOW 1GHz(Worst)

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W52_11n(HT20)_Tx_CH:Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.4 [°C], 69.1 [%]
 Note1 : CH:36(5180MHz)



Final Result

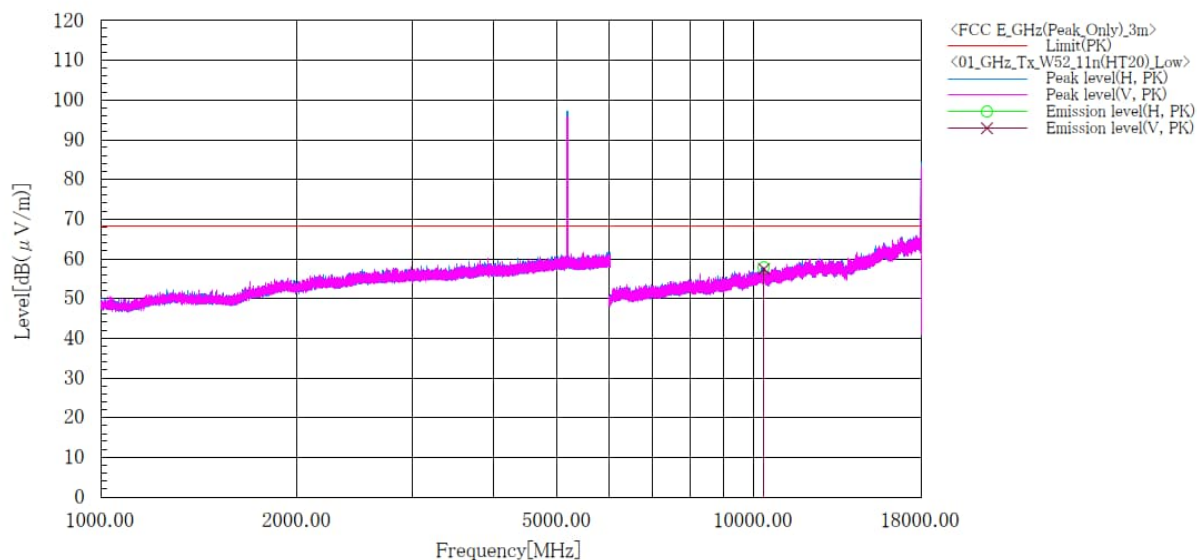
Note:

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)]
5.2 GHz Band / Channel Low
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W52_11n(HT20)_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.8 [°C], 68.5 [%]
 Note1 : Ch:36(5180MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10360.000	H	45.8	12.0	57.8	68.2	10.4	152.0	60.0	
2	10360.000	V	45.4	12.0	57.4	68.2	10.8	112.0	298.0	

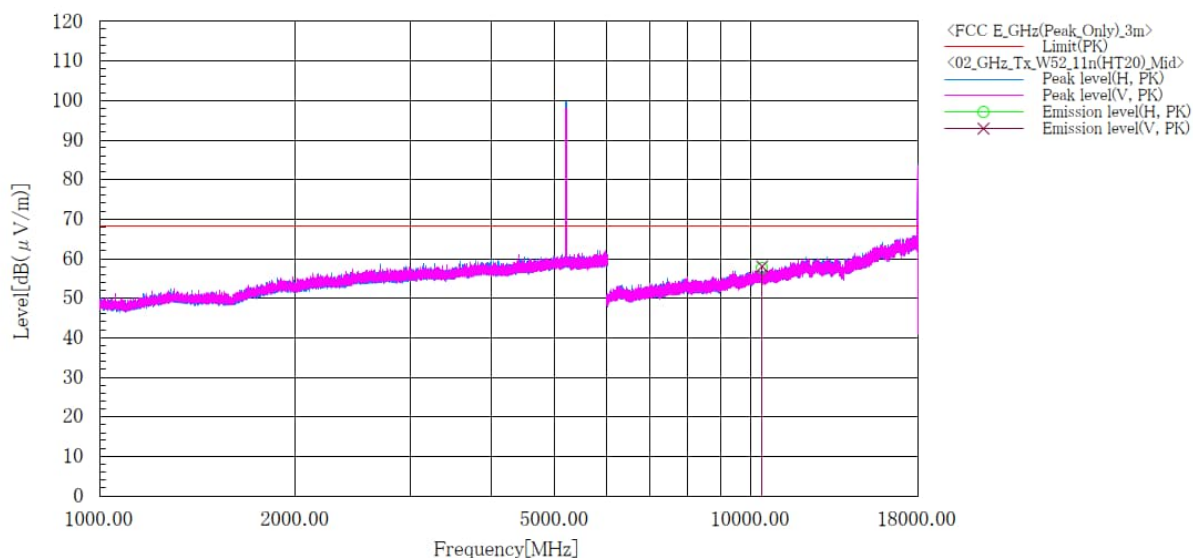
Note:

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

[11n(HT20)]
5.2 GHz Band / Channel Middle
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W52_11n(HT20)_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:40(5200MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10400.000	H	45.6	12.1	57.7	68.2	10.5	143.0	71.0	
2	10400.000	V	45.9	12.1	58.0	68.2	10.2	100.0	138.0	

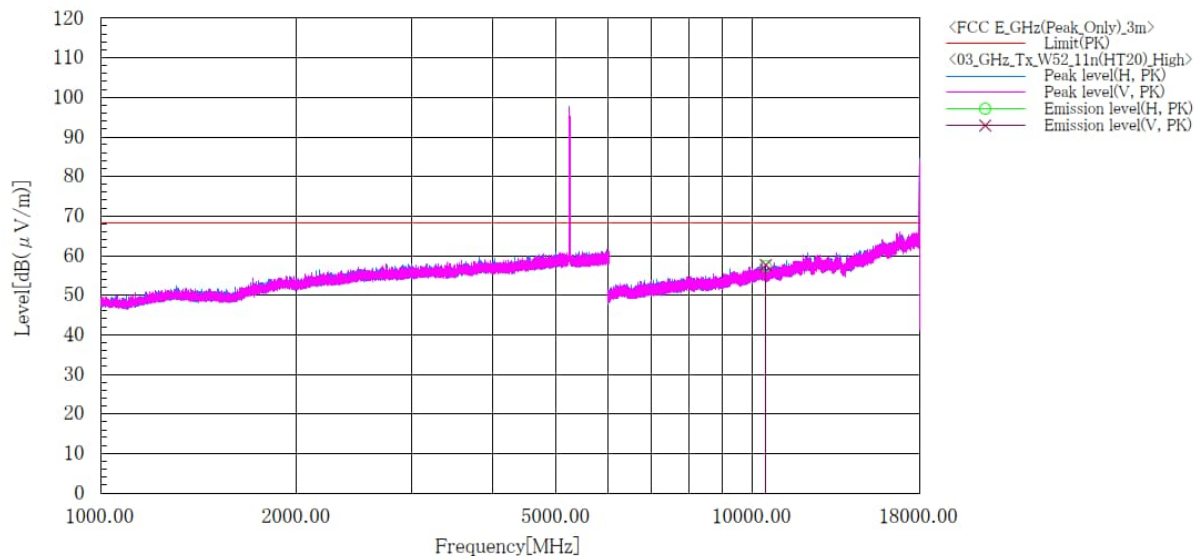
Note:

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

[11n(HT20)]
5.2 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W52_11n(HT20)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:48(5240MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10480.000	H	45.2	12.2	57.4	68.2	10.8	127.0	70.0	
2	10480.000	V	45.4	12.2	57.6	68.2	10.6	100.0	136.0	

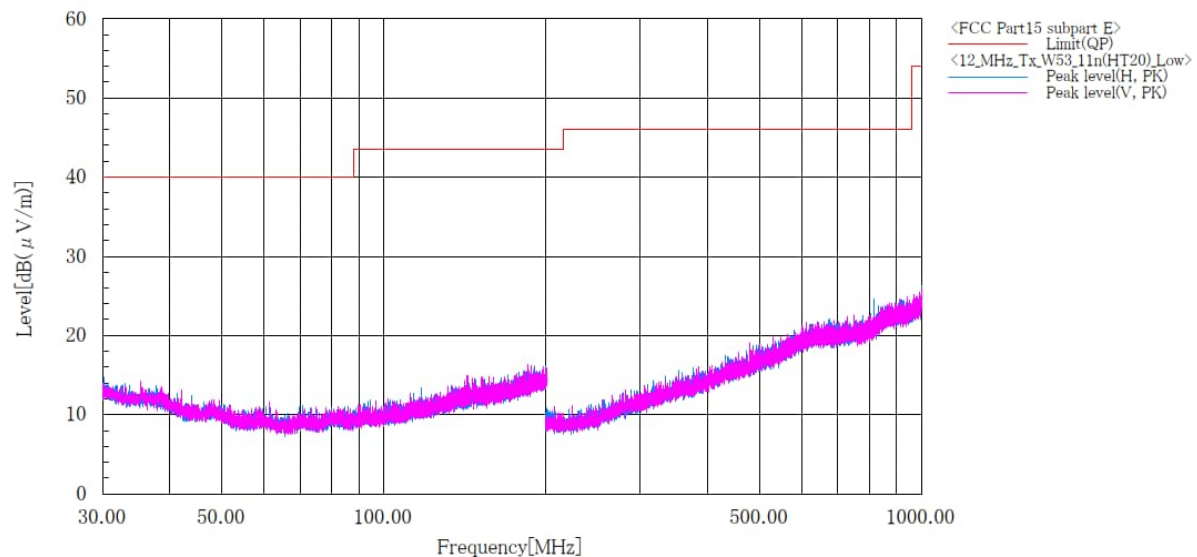
Note:

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

[11n(HT20)]
5.3 GHz Band / Channel Low
BELOW 1GHz(Worst)

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11n(HT20)_Tx_CH:Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.4 [°C], 69.1 [%]
 Note1 : CH:52(5260MHz)



Final Result

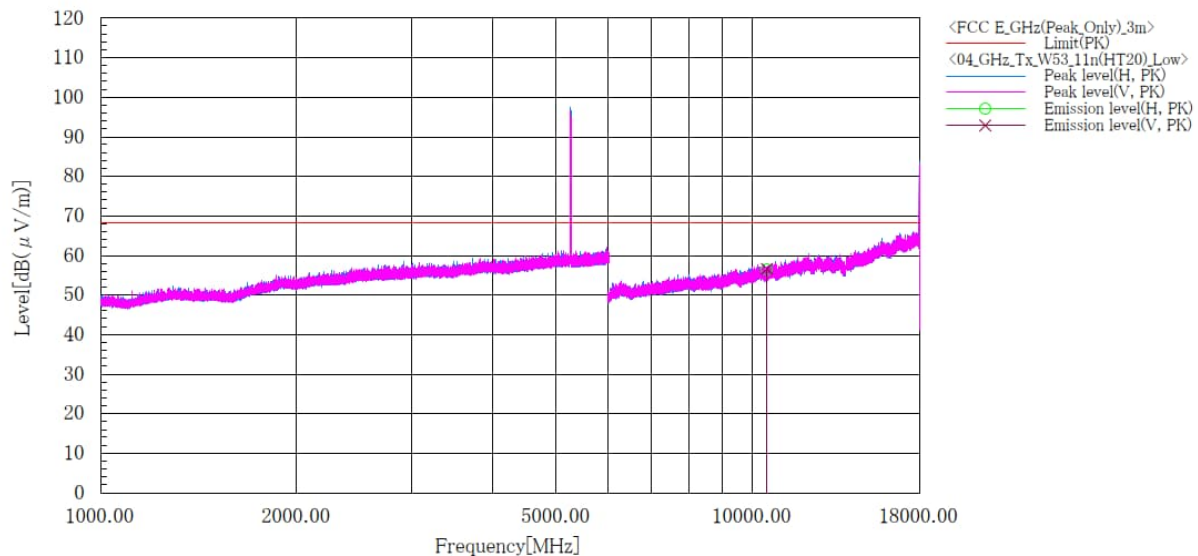
Note:

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)]
5.3 GHz Band / Channel Low
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11n(HT20)_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:52(5260MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10520.000	H	44.3	12.2	56.5	68.2	11.7	138.0	71.0	
2	10520.000	V	44.4	12.2	56.6	68.2	11.6	100.0	136.0	

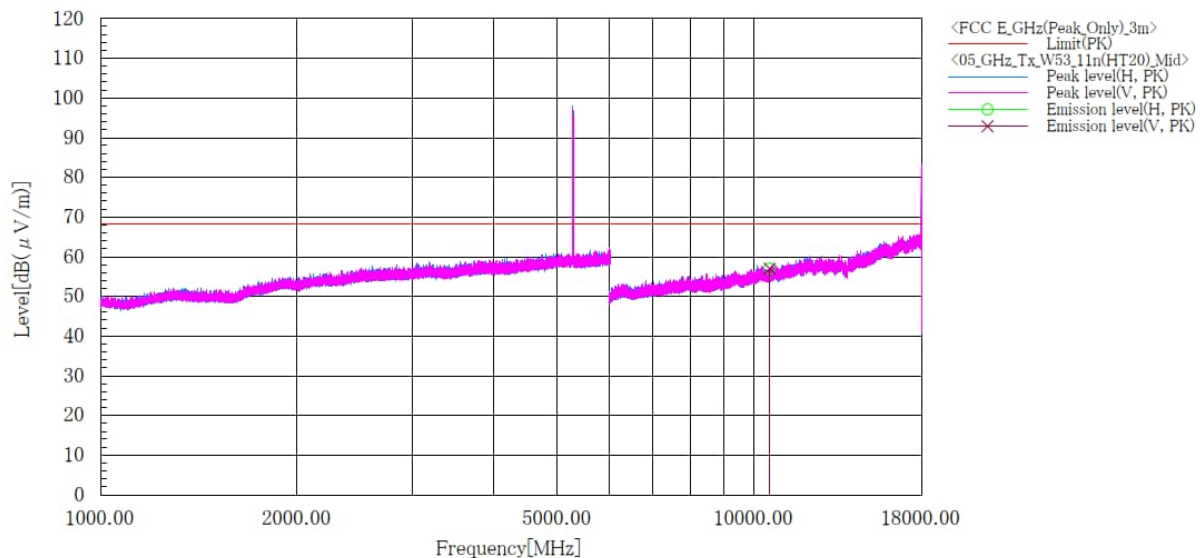
Note:

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

[11n(HT20)]
5.3 GHz Band / Channel Middle
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11n(HT20)_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:56(5280MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10560.000	H	44.8	12.3	57.1	68.2	11.1	155.0	71.0	
2	10560.000	V	44.7	12.3	57.0	68.2	11.2	100.0	135.0	

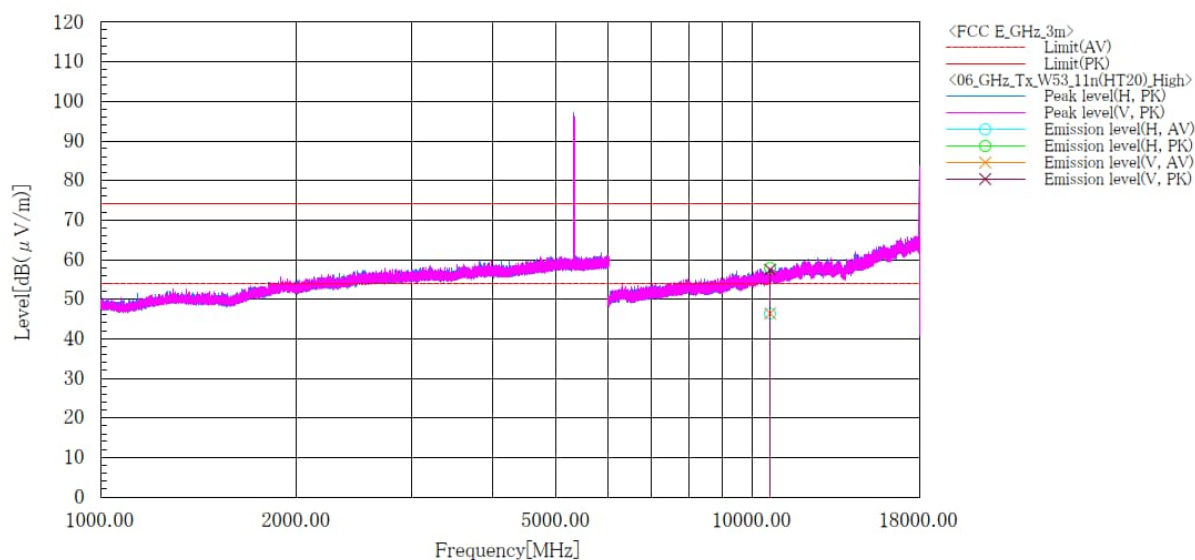
Note:

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

[11n(HT20)]
5.3 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11n(HT20)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:64(5320MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	10640.000	H	33.9	45.4	12.4	46.3	57.8	54.0	74.0	7.7	16.2	100.0	124.0
2	10640.000	V	34.0	45.0	12.4	46.4	57.4	54.0	74.0	7.6	16.6	100.0	83.0

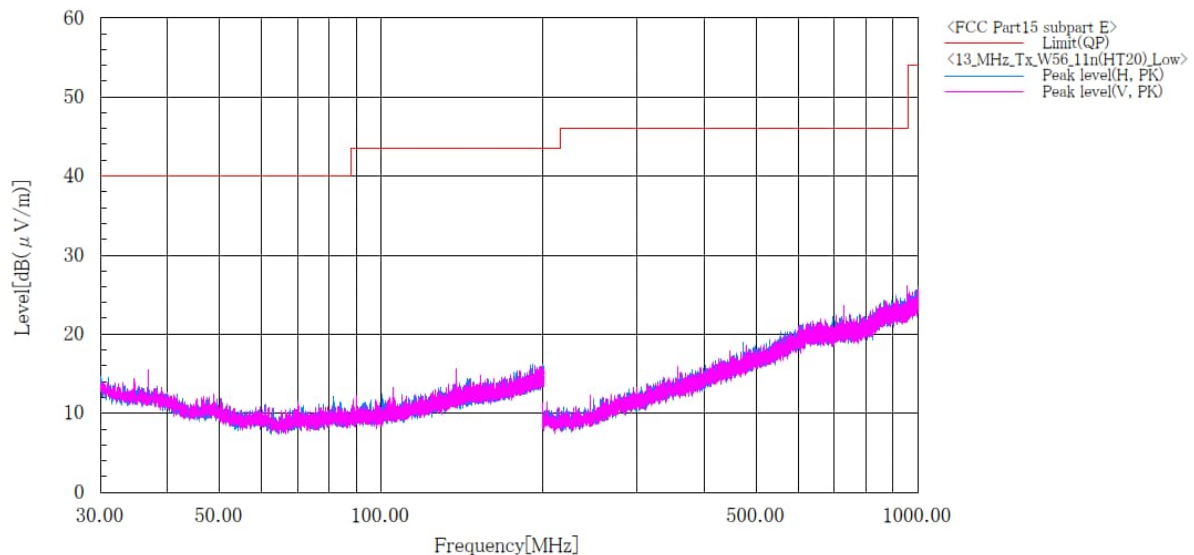
Note:

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

[11n(HT20)]
5.6 GHz Band / Channel Low
BELOW 1GHz(Worst)

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11n(HT20)_Tx_CH:Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.4 [°C], 69.1 [%]
 Note1 : CH:100(5500MHz)



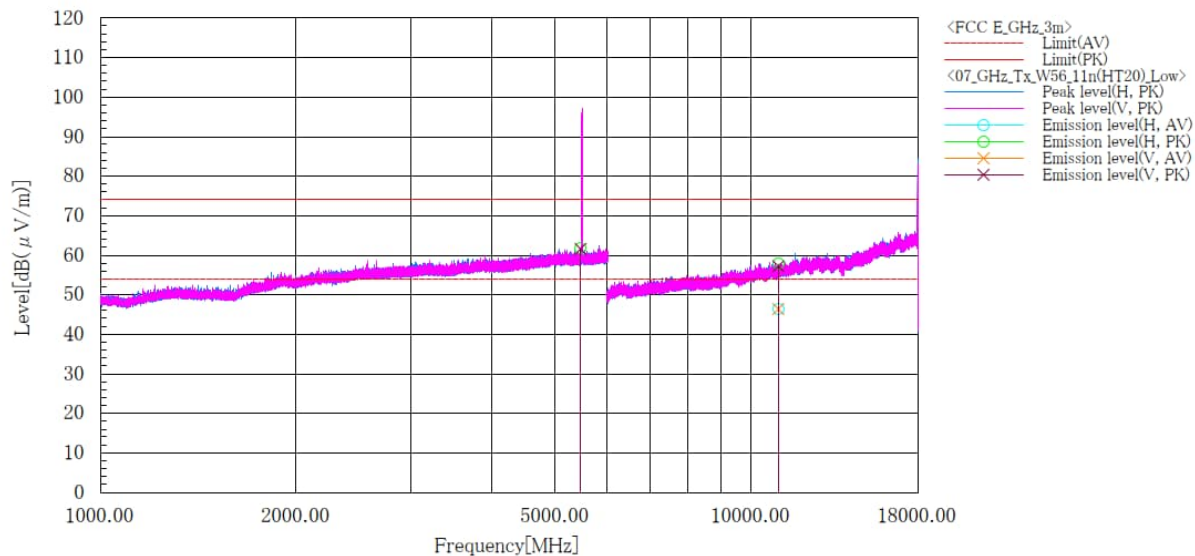
Final Result

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)]
5.6 GHz Band / Channel Low
ABOVE 1GHz

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1173	Temp,Hum,Atm	: 24.1 [°C], 73.3 [%]
Serial No.	: N/A	Note1	: Ch:100(5500MHz)
Test mode	: WLAN_W56_11n(HT20)_Tx_Low	Note2	:



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	5468.622	H	49.9	49.9	11.8	61.7	61.7	68.2	68.2	6.5	6.5	100.0	135.0
2	5468.240	V	49.8	49.8	11.8	61.6	61.6	68.2	68.2	6.6	6.6	100.0	158.0
3	11000.000	H	33.8	45.2	12.7	46.5	57.9	54.0	74.0	7.5	16.1	100.0	116.0
4	11000.000	V	33.7	44.5	12.7	46.4	57.2	54.0	74.0	7.6	16.8	100.0	159.0

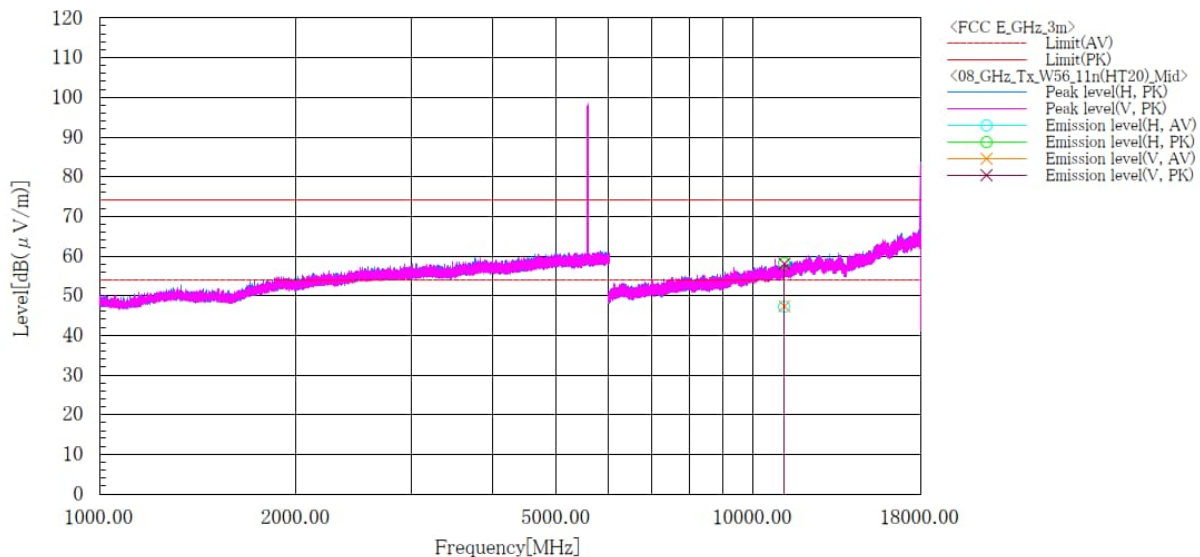
Note:

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

[11n(HT20)]
5.6 GHz Band / Channel Middle
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11n(HT20)_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:116(5580MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11160.000	H	34.3	45.4	12.9	47.2	58.3	54.0	74.0	6.8	15.7	100.0	122.0
2	11160.000	V	34.4	45.1	12.9	47.3	58.0	54.0	74.0	6.7	16.0	100.0	131.0

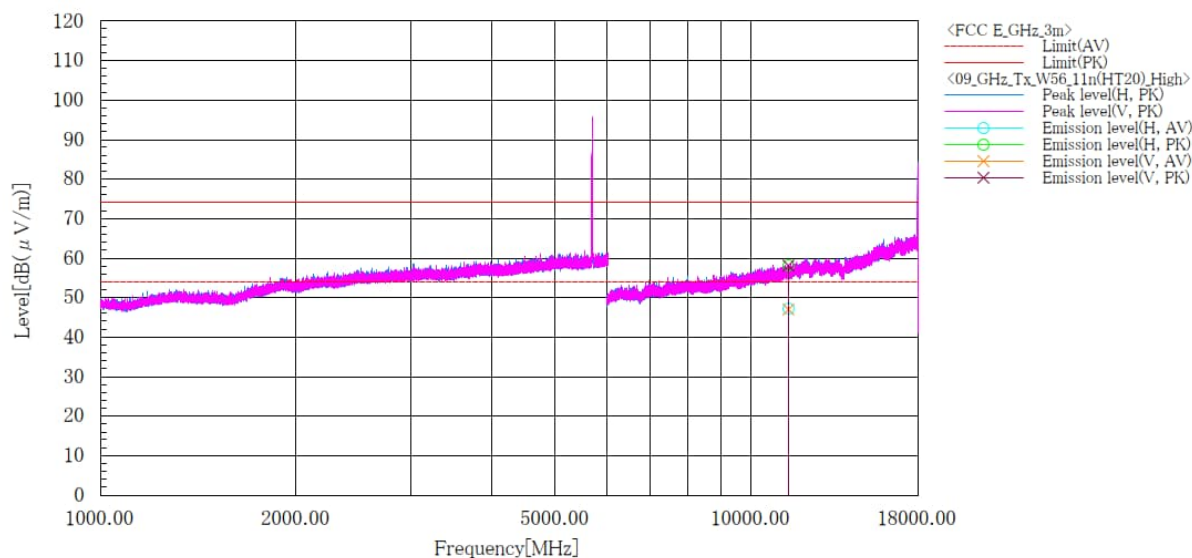
Note:

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

[11n(HT20)]
5.6 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11n(HT20)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:140(5700MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11400.000	H	33.9	44.9	13.2	47.1	58.1	54.0	74.0	6.9	15.9	100.0	207.0
2	11400.000	V	33.8	44.9	13.2	47.0	58.1	54.0	74.0	7.0	15.9	125.0	127.0

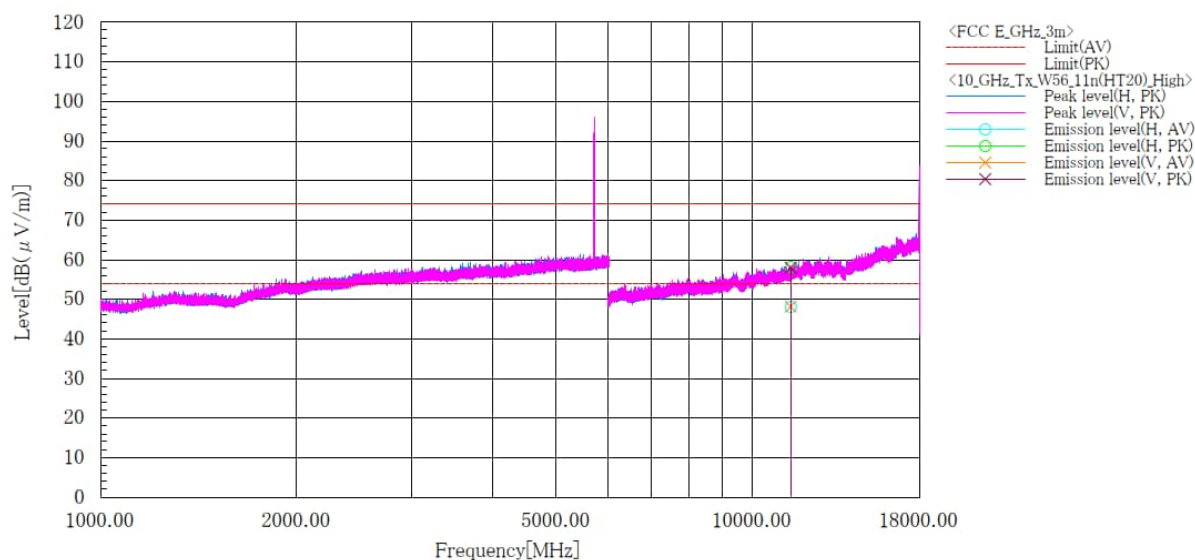
Note:

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.

[11n(HT20)]
5.6 GHz Band / Channel High
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11n(HT20)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : T.Seino
 Temp,Hum,Atm : 24.1 [°C], 73.3 [%]
 Note1 : Ch:144(5720MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11440.000	H	34.7	44.8	13.3	48.0	58.1	54.0	74.0	6.0	15.9	100.0	134.0
2	11440.000	V	34.8	44.7	13.3	48.1	58.0	54.0	74.0	5.9	16.0	100.0	154.0

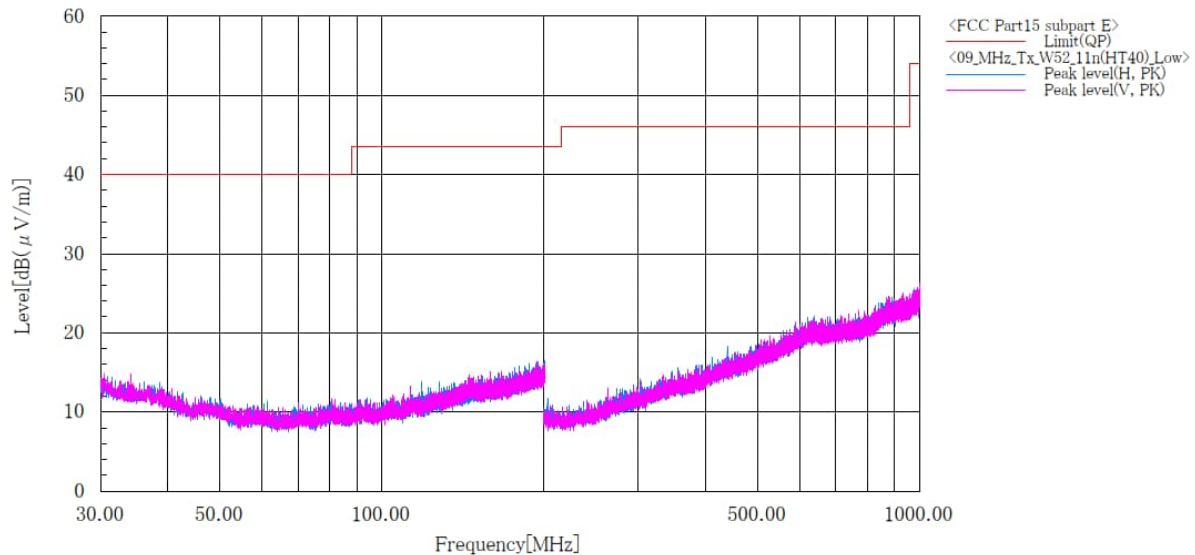
Note:

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

[11n(HT40)]
5.2 GHz Band / Channel Low
BELOW 1GHz(Worst)

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W52_11n(HT40)_Tx_Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.9 [°C], 71.0 [%]
 Note1 : CH:38(5190MHz)



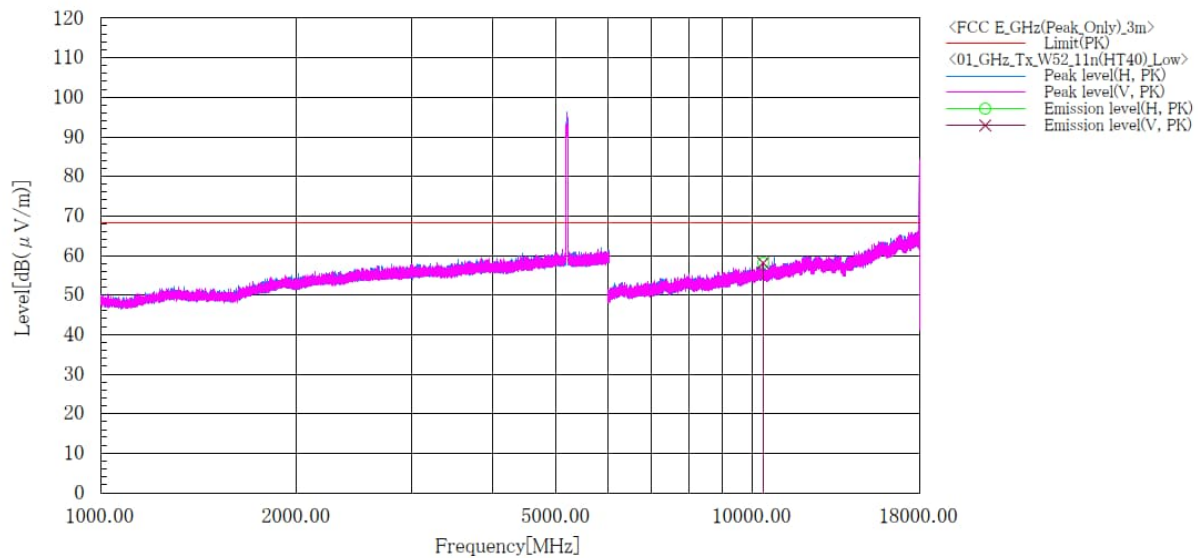
Final Result

Note:

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

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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: C.Kanno
Model No.	: EB1173	Temp,Hum,Atm	: 23.7 [°C], 71.2 [%]
Serial No.	: N/A	Note1	: Ch:38(5190MHz)
Test mode	: WLAN W52_11n(HT40)_Tx_Low	Note2	:



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10380.000	H	46.1	12.0	58.1	74.0	15.9	188.0	57.0	
2	10380.000	V	46.1	12.0	58.1	68.2	10.1	100.0	124.0	

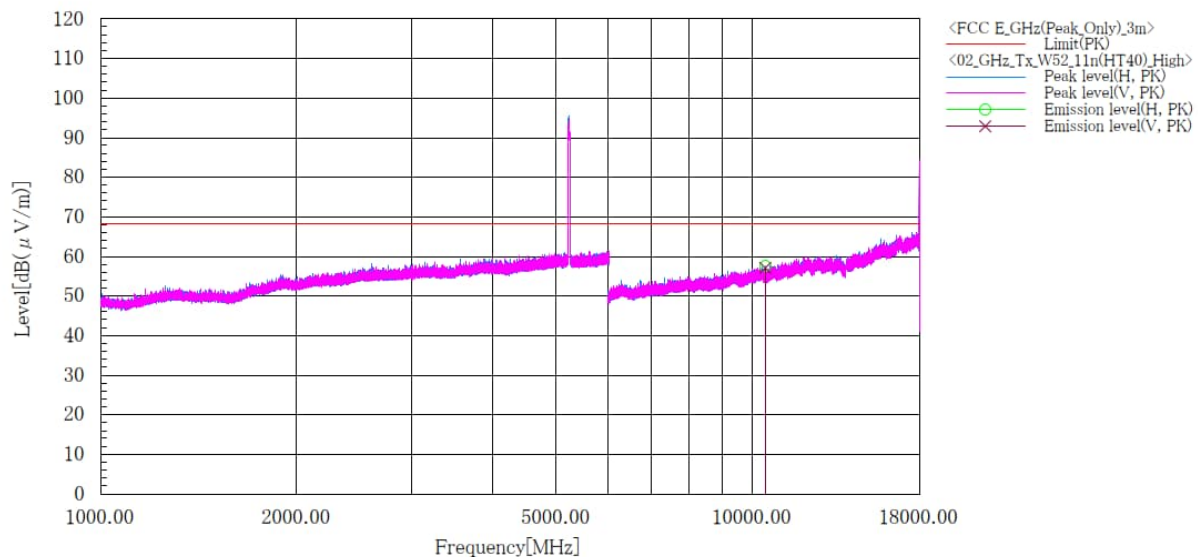
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W52_11n(HT40)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.7 [°C], 71.2 [%]
 Note1 : Ch:46(5230MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10460.000	H	45.4	12.1	57.5	68.2	10.7	159.0	63.0	
2	10460.000	V	45.0	12.1	57.1	68.2	11.1	100.0	121.0	

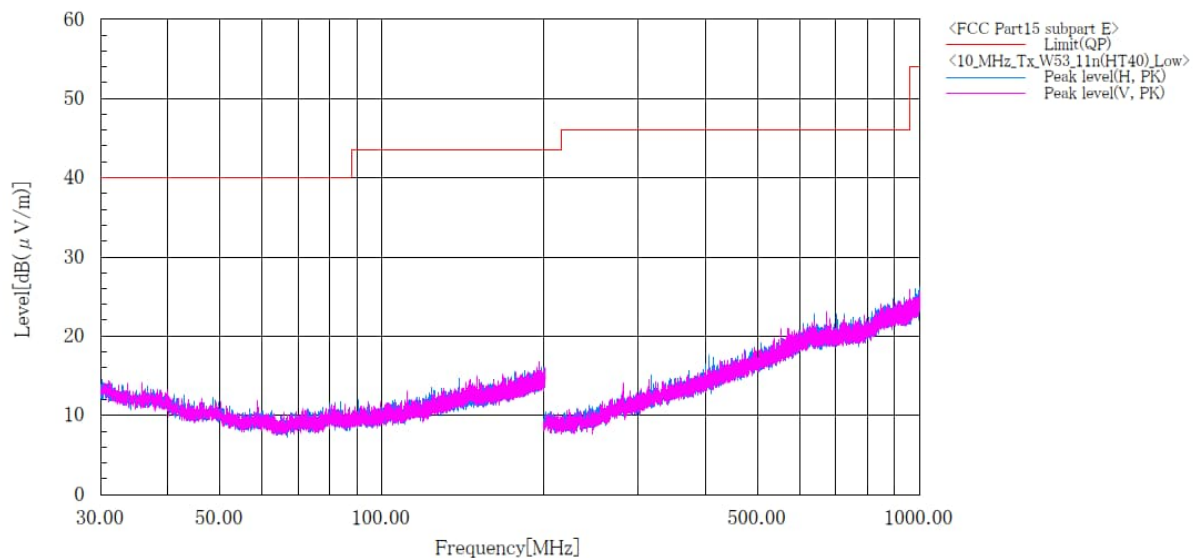
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11n(HT40)_Tx_Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.9 [°C], 71.0 [%]
 Note1 : CH:54(5270MHz)



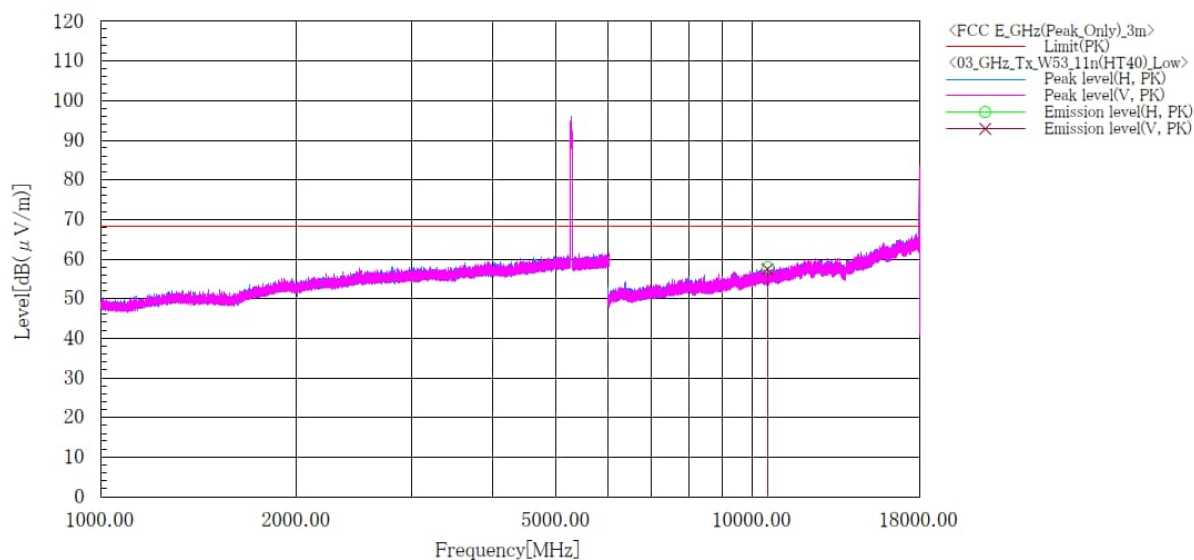
Final Result

Note:

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

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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: C.Kanno
Model No.	: EB1173	Temp,Hum,Atm	: 23.7 [°C], 71.2 [%]
Serial No.	: N/A	Note1	: Ch:54(5270MHz)
Test mode	: WLAN W53_11n(HT40)_Tx_Low	Note2	:



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10540.000	H	45.5	12.3	57.8	68.2	10.4	179.0	67.0	
2	10540.000	V	45.1	12.3	57.4	68.2	10.8	100.0	125.0	

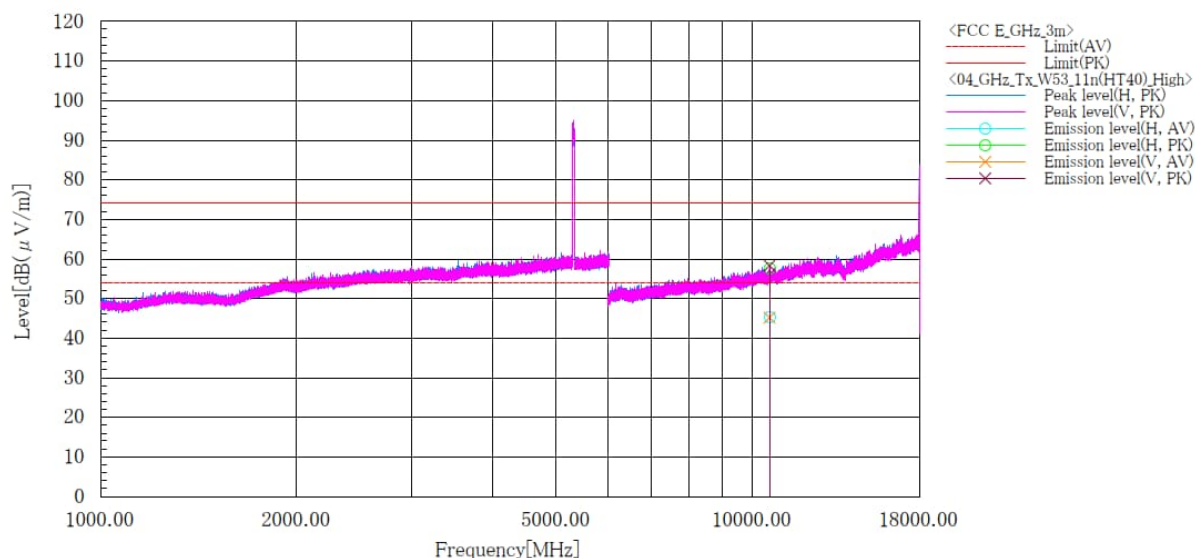
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W53_11n(HT40)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.7 [°C], 71.2 [%]
 Note1 : Ch:62(5310MHz)
 Note2 :



Final Result

No.	Frequency	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	10620.000	H	32.9	45.2	12.4	45.3	57.6	54.0	74.0	8.7	16.4	181.0	77.0
2	10620.000	V	32.8	45.9	12.4	45.2	58.3	54.0	74.0	8.8	15.7	100.0	122.0

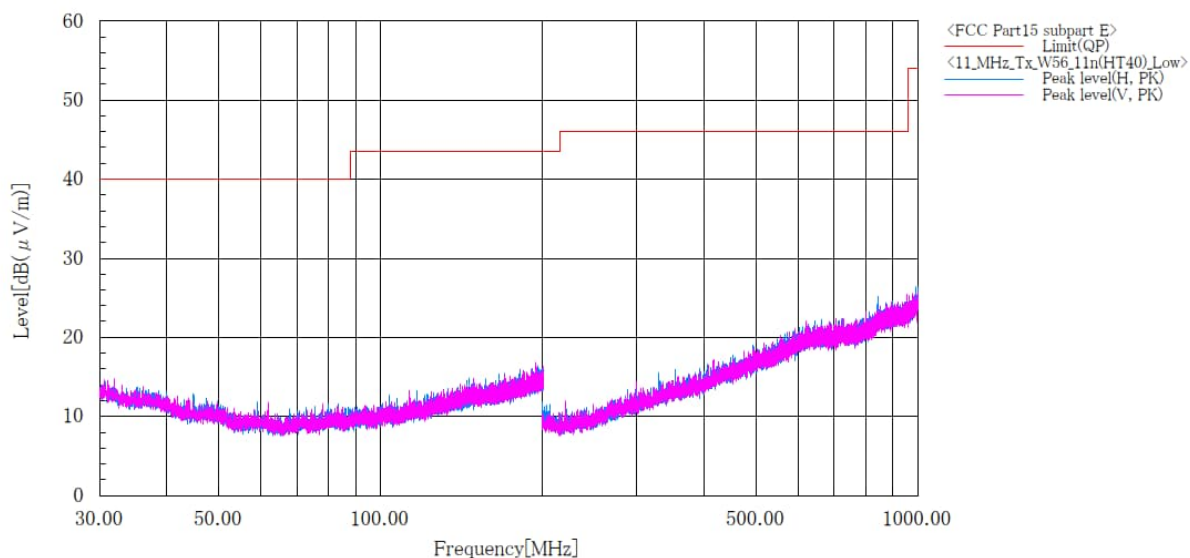
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11n(HT40)_Tx_Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.9 [°C], 71.0 [%]
 Note1 : CH:102(5510MHz)



Final Result

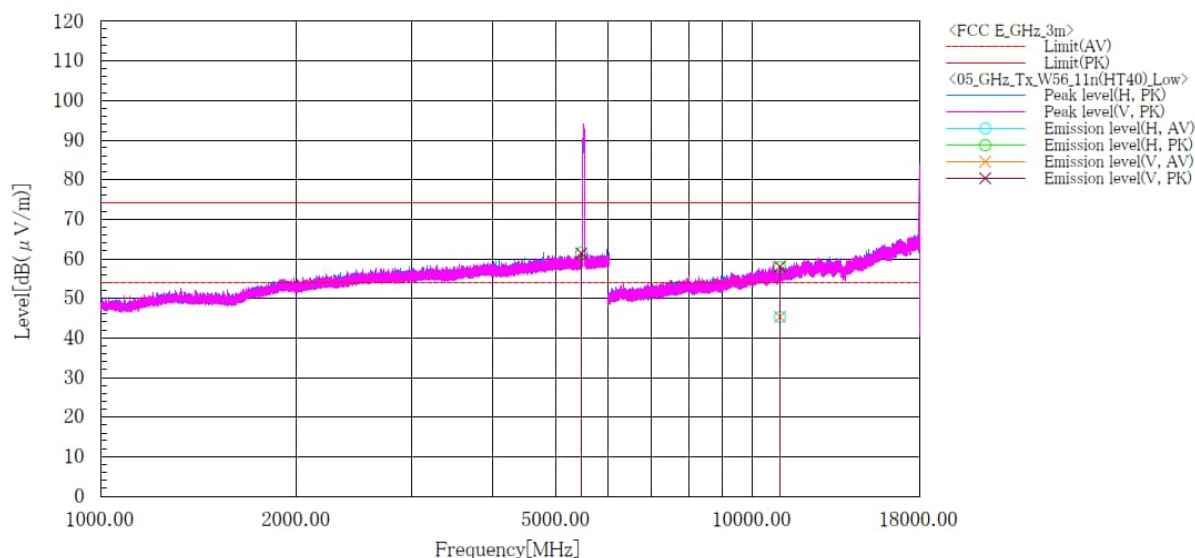
Note:

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

[11n(HT40)]**5.6 GHz Band / Channel Low
ABOVE 1GHz**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11n(HT40)_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.7 [°C], 71.2 [%]
 Note1 : Ch:102(5510MHz)
 Note2 :

**Final Result**

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	5463.100	H	49.7	49.7	11.8	61.5	61.5	68.2	68.2	6.7	6.7	188.0	70.0
2	5462.500	V	49.6	49.6	11.8	61.4	61.4	68.2	68.2	6.8	6.8	100.0	139.0
3	11020.000	H	32.6	45.2	12.7	45.3	57.9	54.0	74.0	8.7	16.1	158.0	70.0
4	11020.000	V	32.6	45.3	12.7	45.3	58.0	54.0	74.0	8.7	16.0	100.0	139.0

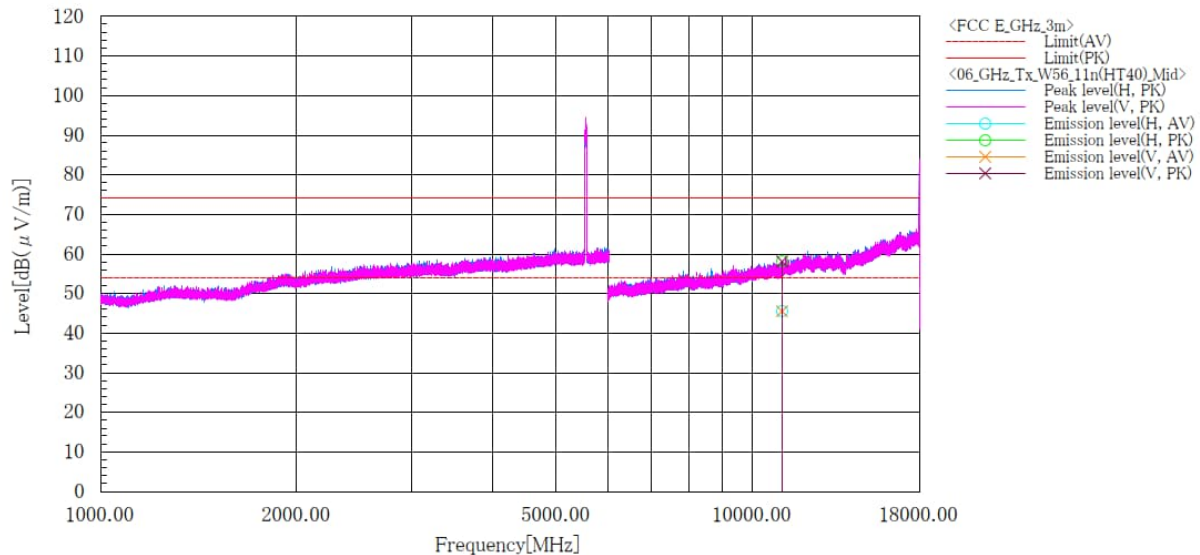
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11n(HT40)_Tx_Mid

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.7 [°C], 71.2 [%]
 Note1 : Ch:110(5550MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11100.000	H	32.8	45.3	12.8	45.6	58.1	54.0	74.0	8.4	15.9	168.0	60.0
2	11100.000	V	32.7	45.3	12.8	45.5	58.1	54.0	74.0	8.5	15.9	100.0	132.0

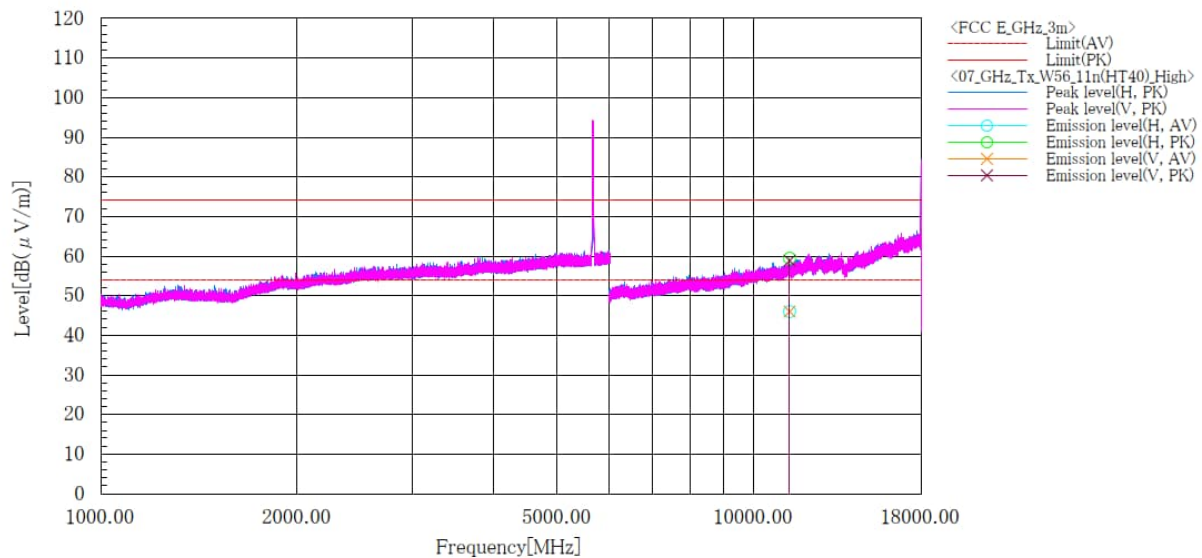
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11n(HT40)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.7 [°C], 71.2 [%]
 Note1 : Ch:134(5670MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11340.000	H	32.8	46.2	13.2	46.0	59.4	54.0	74.0	8.0	14.6	100.0	228.0
2	11340.000	V	32.8	45.6	13.2	46.0	58.8	54.0	74.0	8.0	15.2	100.0	294.0

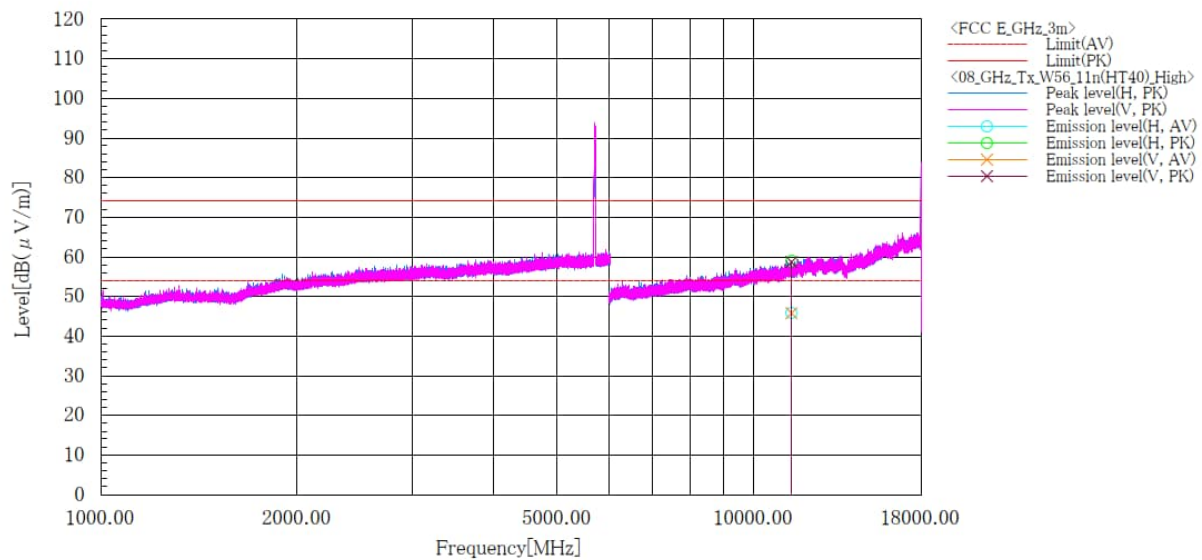
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11n(HT40)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.7 [°C], 71.2 [%]
 Note1 : Ch:142(5710MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11420.000	H	32.6	45.6	13.3	45.9	58.9	54.0	74.0	8.1	15.1	100.0	127.0
2	11420.000	V	32.5	45.4	13.3	45.8	58.7	54.0	74.0	8.2	15.3	178.0	154.0

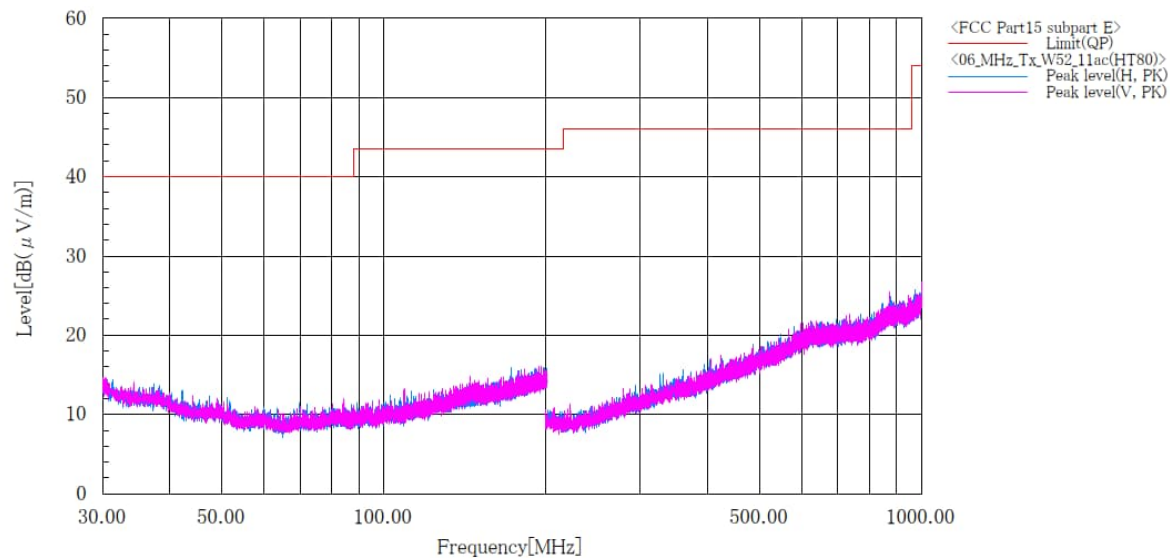
Note:

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

[11ac(VHT80)]**5.2 GHz Band BELOW 1GHz**

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W52_11ac(VHT80)_Tx_Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.9 [°C], 71.0 [%]
 Note1 : CH:42(5210MHz)



Final Result

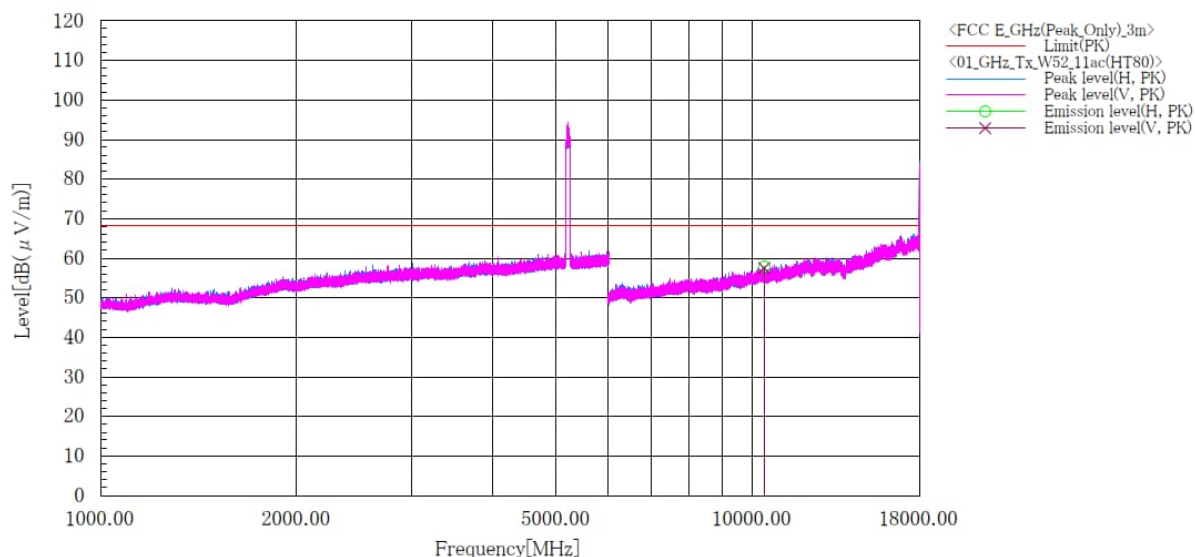
Note:

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

[11ac(VHT80)]
5.2 GHz Band
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W52_11ac(VHT80)_Tx

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.2 [°C], 68.3 [%]
 Note1 : Ch:42(5210MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10420.000	H	45.7	12.1	57.8	68.2	10.4	168.0	68.0	
2	10420.000	V	45.4	12.1	57.5	68.2	10.7	110.0	128.0	

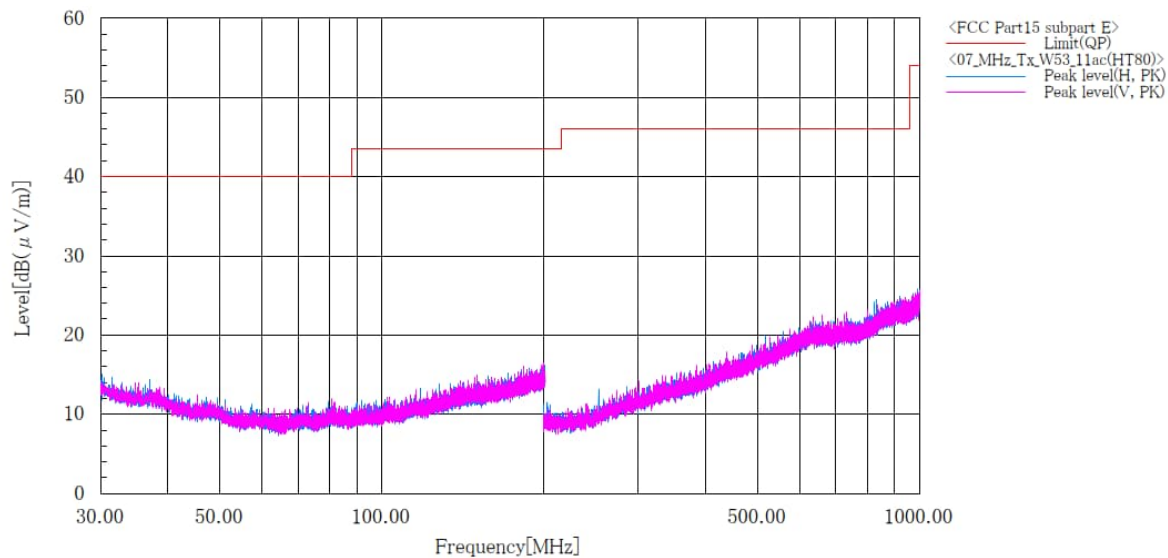
Note:

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

[11ac(VHT80)]
5.3 GHz Band
BELOW 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W53_11ac(VHT80)_Tx_Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.9 [°C], 71.0 [%]
 Note1 : CH:58(5290MHz)



Final Result

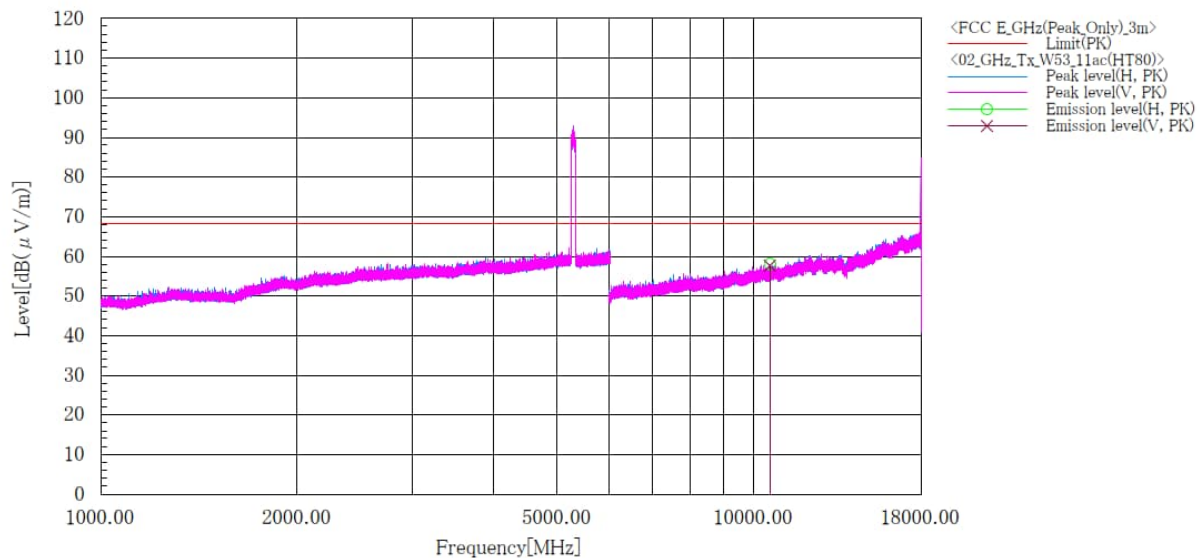
Note:

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

[11ac(VHT80)]
5.3 GHz Band
ABOVE 1GHz

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W53_11ac(VHT80)_Tx

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.2 [°C], 68.3 [%]
 Note1 : Ch:58(5290MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	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 [deg]	Remark
1	10580.000	H	45.7	12.3	58.0	68.2	10.2	176.0	70.0	
2	10580.000	V	45.3	12.3	57.6	68.2	10.6	106.0	128.0	

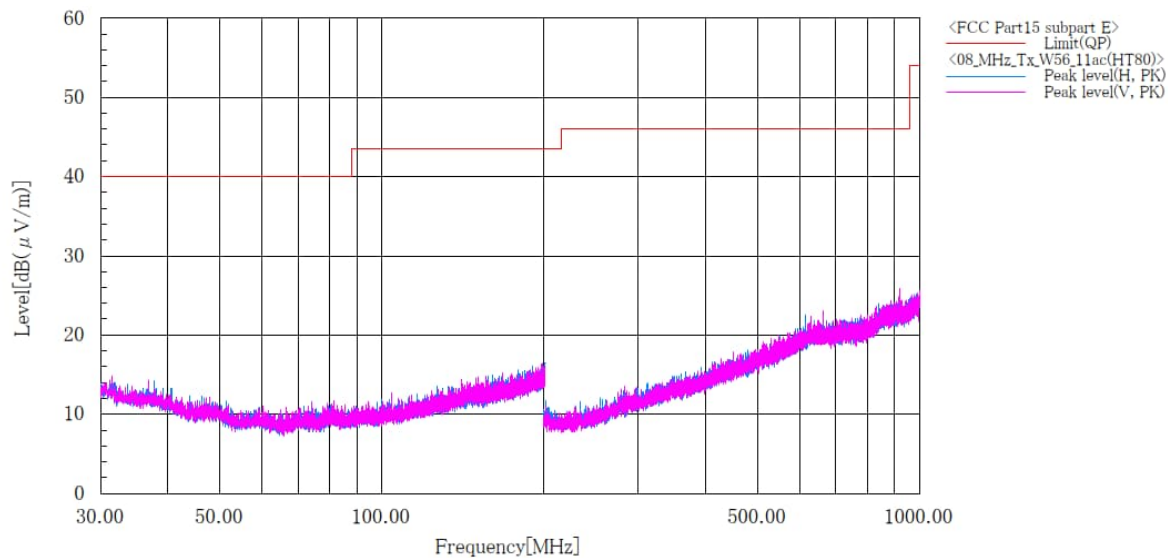
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_W56_11ac(VHT80)_Tx_Low

Sheet No. : -
 Standard : FCC Part15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 23.9 [°C], 71.0 [%]
 Note1 : CH:106(5530MHz)



Final Result

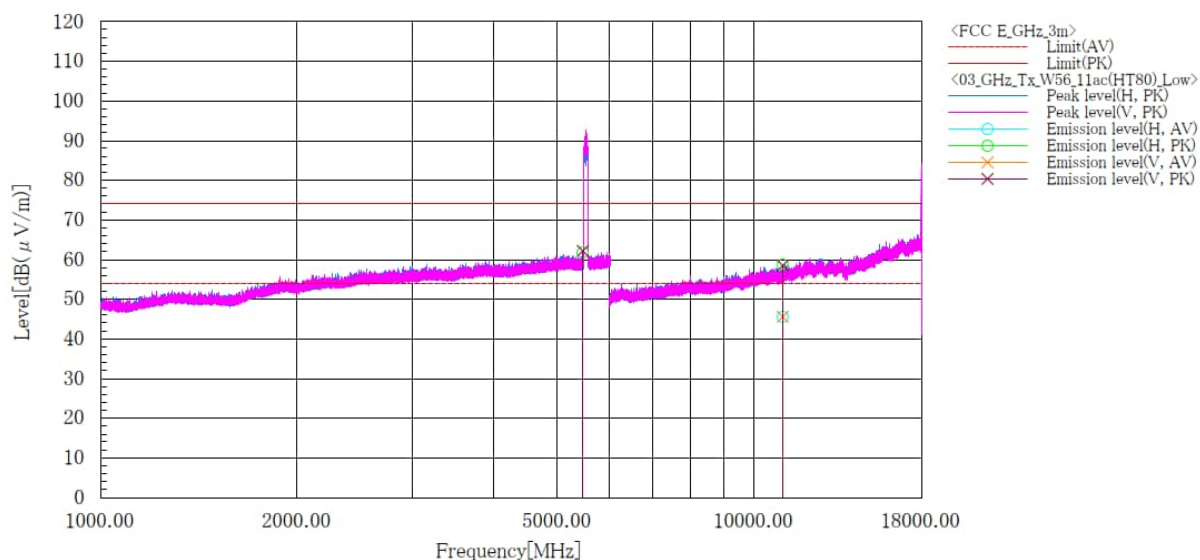
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11ac(VHT80)_Tx_Low

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.2 [°C], 68.3 [%]
 Note1 : Ch:106(5530MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	5469.500	H	50.0	50.0	11.8	61.8	61.8	68.2	68.2	6.4	6.4	188.0	57.0
2	5469.100	V	50.4	50.4	11.8	62.2	62.2	68.2	68.2	6.0	6.0	100.0	126.0
3	11060.000	H	32.8	45.8	12.8	45.6	58.6	54.0	74.0	8.4	15.4	188.0	57.0
4	11060.000	V	32.8	45.7	12.8	45.6	58.5	54.0	74.0	8.4	15.5	100.0	126.0

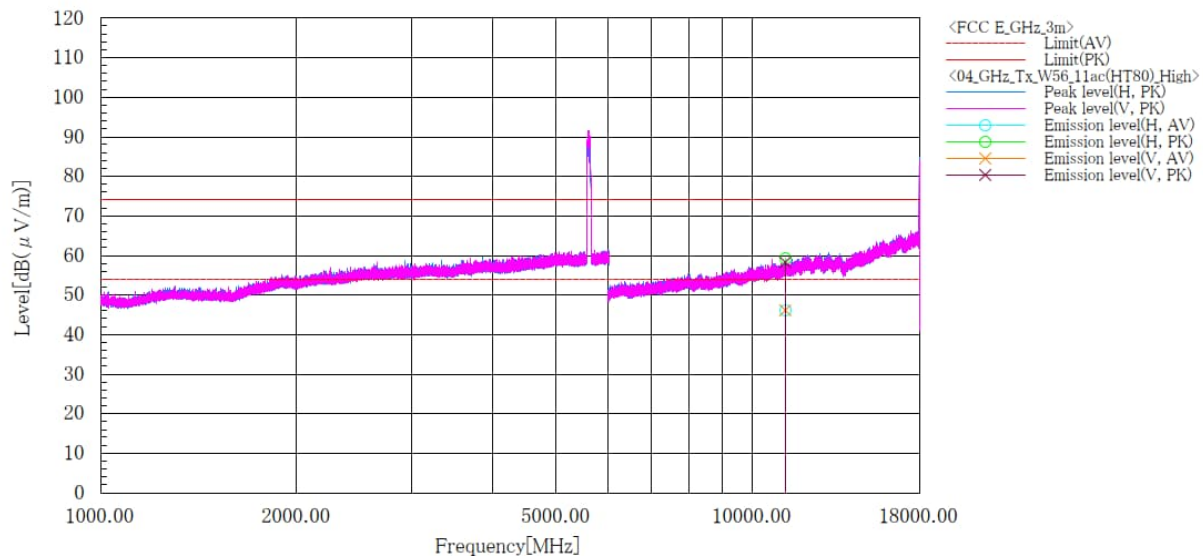
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11ac(VHT80)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.2 [°C], 68.3 [%]
 Note1 : Ch:122(5610MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11220.000	H	33.1	46.2	13.0	46.1	59.2	54.0	74.0	7.9	14.8	121.0	155.0
2	11220.000	V	33.1	45.3	13.0	46.1	58.3	54.0	74.0	7.9	15.7	100.0	150.0

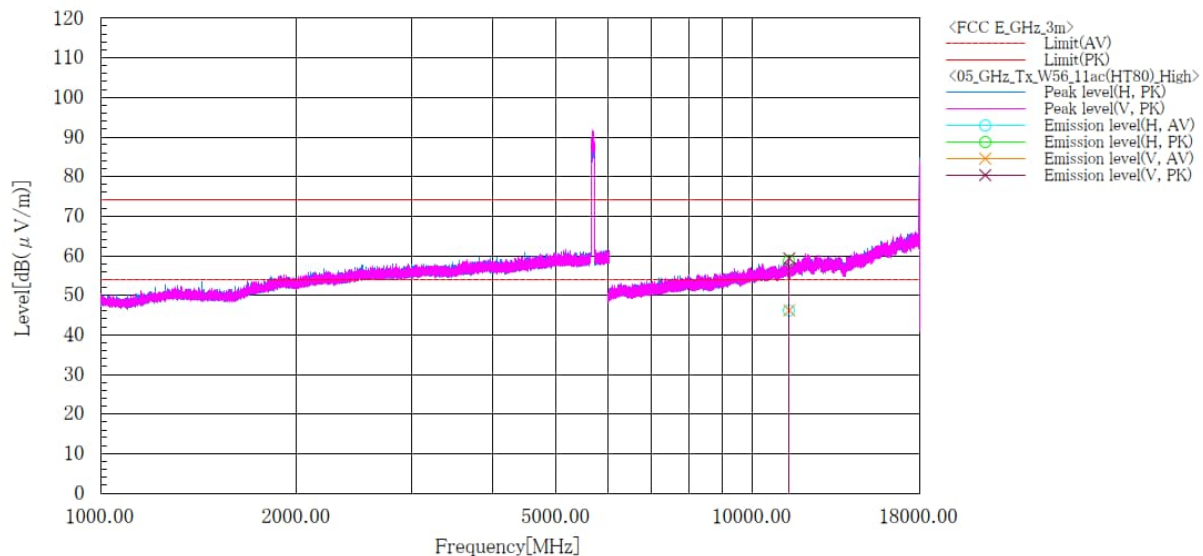
Note:

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

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

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN W56_11ac(VHT80)_Tx_High

Standard : FCC Part.15 subpart E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.2 [°C], 68.3 [%]
 Note1 : Ch:138(5690MHz)
 Note2 :



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	11380.000	H	33.0	45.5	13.2	46.2	58.7	54.0	74.0	7.8	15.3	113.0	213.0
2	11380.000	V	33.0	46.1	13.2	46.2	59.3	54.0	74.0	7.8	14.7	169.0	208.0

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.

4.5 Frequency Stability

4.5.1 Measurement procedure

[FCC 15.407(g)]

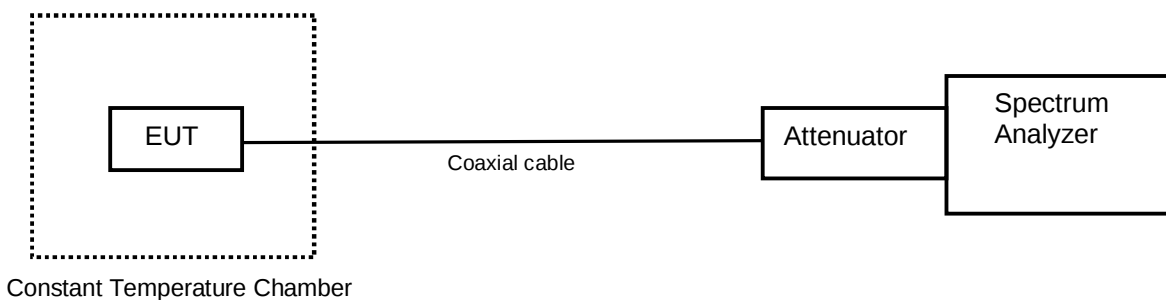
The EUT was placed of an inside of a constant temperature chamber as the temperature in the chamber was varied between -30°C and $+60^{\circ}\text{C}$. The temperature was incremented by 10°C intervals and the unit was allowed to stabilize at each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channels center frequency was recorded.

The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band, 5.8 GHz Band

The test mode of EUT is as follows.

- Tx mode
- Test configuration



4.5.2 Limit

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



Japan

4.5.3 Measurement result

Date : 4-August-2023

Temperature : 23.4 [°C]

Humidity : 57.5 [%]

Test place : Shielded room No.4

Test engineer :

Kazunori Saito

[IEEE802.11a]
Channel: 36 (5180 MHz)

Power Supply	Temperature	Measurements Frequency (startup)	Frequency Tolerance (startup)	Measurements Frequency (2mins)	Frequency Tolerance (2mins)	Measurements Frequency (5mins)	Frequency Tolerance (5mins)	Measurements Frequency (10mins)	Frequency Tolerance (10mins)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.87	25(Ref.)	5180007408	0.00000000	5180007881	0.09131261	5180007047	-0.06969102	5180010495	0.59594509
	60	5180003751	-0.70598355	5180004371	-0.58629260	5180004995	-0.46582945	5180001212	-1.19613729
	50	5179994306	-2.52934001	5179997033	-2.00289289	5179990799	-3.20636607	5179988059	-3.73532284
	40	5179999353	-1.55500434	5179989034	-3.54709917	5179991697	-3.03300725	5179997777	-1.85926375
	30	5180004166	-0.62586783	5180002020	-1.04015295	5180014643	1.39671615	5180002789	-0.89169757
	20	5180002130	-1.01891746	5180015005	1.46660022	5180011085	0.70984454	5180011468	0.78378266
	10	5180022416	2.89729315	5180023713	3.14767890	5180026832	3.74980159	5180029638	4.29149965
	0	5180032695	4.88165325	5180038679	6.03686395	5180037277	5.76620797	5180035608	5.44400766
	-10	5180035015	5.32952906	5180034279	5.18744432	5180032305	4.80636378	5180030992	4.55288924
	-20	5180020777	2.58088434	5180019943	2.41988071	5180030333	4.42566935	5180032231	4.79207809
	-30	5180013868	1.24710246	5180014694	1.40656170	5180013797	1.23339592	5180016256	1.70810567
3.48	25	5180017328	1.91505518	5180014339	1.33802897	5180010246	0.54787566	5180009889	0.47895684
4.26	25	5180009479	0.39980638	5180001518	-1.13706401	5180006636	-0.14903454	5180004519	-0.55772121

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

Channel: 64 (5320 MHz)

Power Supply	Temperature	Measurements Frequency (startup)	Frequency Tolerance (startup)	Measurements Frequency (2mins)	Frequency Tolerance (2mins)	Measurements Frequency (5mins)	Frequency Tolerance (5mins)	Measurements Frequency (10mins)	Frequency Tolerance (10mins)
[V]	[°C]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]	[Hz]	[ppm]
3.87	25(Ref.)	5319997952	0.00000000	5320002695	0.89154170	5320008274	1.94022631	5320003957	1.12875983
	60	5319988727	-1.73402322	5319985064	-2.42255732	5319976108	-4.10601662	5319985004	-2.43383552
	50	5319986218	-2.20563995	5319978140	-3.72406158	5319993528	-0.83157927	5319991011	-1.30469975
	40	5319984313	-2.56372279	5319991327	-1.24530123	5319985418	-2.35601594	5319995049	-0.54567690
	30	5319997902	-0.00939850	5320000599	0.49752482	5319996020	-0.36315803	5319996710	-0.23345874
	20	5320008706	2.02142935	5320002714	0.89511313	5320012909	2.81146725	5320008766	2.03270755
	10	5320024155	4.92537784	5320020121	4.16710687	5320015963	3.38552762	5320017762	3.72368564
	0	5320021148	4.36015205	5320030538	6.12519033	5320031574	6.31992724	5320020865	4.30695655
	-10	5320020364	4.21278358	5320027380	5.53158108	5320026482	5.36278402	5320027220	5.50150588
	-20	5320020650	4.26654300	5320025589	5.19492681	5320021170	4.36428739	5320020144	4.17143018
	-30	5319999330	0.25911175	5320004172	1.16917338	5320003709	1.08214327	5320003318	1.00864700
3.48	25	5320009044	2.08496321	5320006169	1.54454947	5320003113	0.97011316	5320003733	1.08665455
4.26	25	5320004294	1.19210572	5320007374	1.77105331	5320003562	1.05451168	5320002039	0.76823338

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

Channel: 144 (5720 MHz)

Power Supply [V]	Temperature [°C]	Measurements Frequency (startup) [Hz]	Frequency Tolerance (startup) [ppm]	Measurements Frequency (2mins) [Hz]	Frequency Tolerance (2mins) [ppm]	Measurements Frequency (5mins) [Hz]	Frequency Tolerance (5mins) [ppm]	Measurements Frequency (10mins) [Hz]	Frequency Tolerance (10mins) [ppm]
3.87	25(Ref.)	5720007297	0.00000000	5719996768	-1.84073192	5720012683	0.94160719	5719999517	-1.36006103
	60	5719981342	-4.53758162	5719993245	-2.45664022	5719985272	-3.85051956	5719987911	-3.38915652
	50	5719991532	-2.75611537	5719988589	-3.27062520	5719997228	-1.76031244	5719992812	-2.53233943
	40	5719995071	-2.13740986	5719990255	-2.97936683	5719999274	-1.40261080	5719995555	-2.05279458
	30	5720003671	-0.63391528	5720009680	0.41660786	5720008781	0.25944023	5720010901	0.63006913
	20	5720012963	0.99055818	5720015567	1.44580235	5720014202	1.20716629	5720016485	1.60629166
	10	5720028224	3.65856177	5720021997	2.56992679	5720033930	4.65611294	5720020136	2.24457756
	0	5720027191	3.47796759	5720019102	2.06380856	5720025783	3.23181406	5720028497	3.70628898
	-10	5720027861	3.59510031	5720028750	3.75051969	5720032621	4.42726708	5720031205	4.17971495
	-20	5720017781	1.83286479	5720028204	3.65506527	5720033275	4.54160260	5720026493	3.35593977
	-30	5720004078	-0.56276152	5720006697	-0.10489497	5720010888	0.62779640	5720005332	-0.34353103
3.48	25	5720016690	1.64213077	5720010468	0.55436992	5720007874	0.10087400	5720010223	0.51153781
4.26	25	5719999872	-1.29807719	5720007967	0.11713272	5720006356	-0.16451028	5720003755	-0.61922998

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

4.6 AC Power Line Conducted Emissions

4.6.1 Measurement procedure

[FCC 15.207]

Test was applied by following conditions.

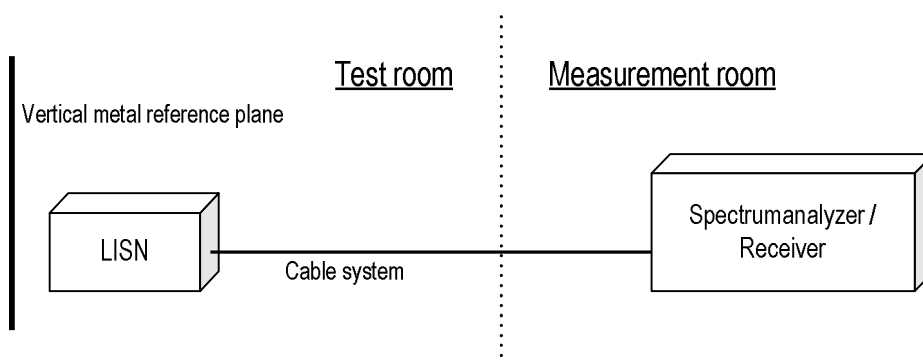
Test method	: ANSI C63.10
Frequency range	: 0.15 MHz to 30 MHz
Test place	: 3m Semi-anechoic chamber
EUT was placed on	: Styrofoam table / (W)1.0m × (D)0.8m × (H)0.8m
Vertical Metal Reference Plane	: (W) 2.0 × (H) 2.0 m, 0.4 m away from EUT
Test receiver setting	
- Detector	: Quasi-peak, Average
- Bandwidth	: 9 kHz

EUT and peripherals are connected to 50Ω/50μH Line Impedance Stabilization Network (LISN) which are connected to reference ground plane, and are placed 80cm away from EUT. Excess of AC power cable is bundled in center.

LISN for peripheral is terminated in 50Ω.

EUT operating mode is selected to emit the maximum noise. Overall frequency range is investigated with spectrum analyzer using peak detector. Maximum emission configuration is determined by manipulating the EUT, peripherals, interconnecting cables. Then, emission measurements are performed with test receiver in above setting to each current-carrying conductor of the mains port. Sufficient time for EUT, peripherals and test equipment is provided in order for them to warm up to their normal operating condition. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits.

- Test configuration



4.6.2 Calculation method

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

Margin = Limit – Emission level

4.6.3 Limit

Frequency [MHz]	Limit	
	QP [dBuV]	AV [dBuV]
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

*: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

4.6.4 Test data

Date : 7-September2023

Temperature : 24.1 [°C]

Humidity : 67.7.8 [%]

Test place : 3m Semi-anechoic chamber

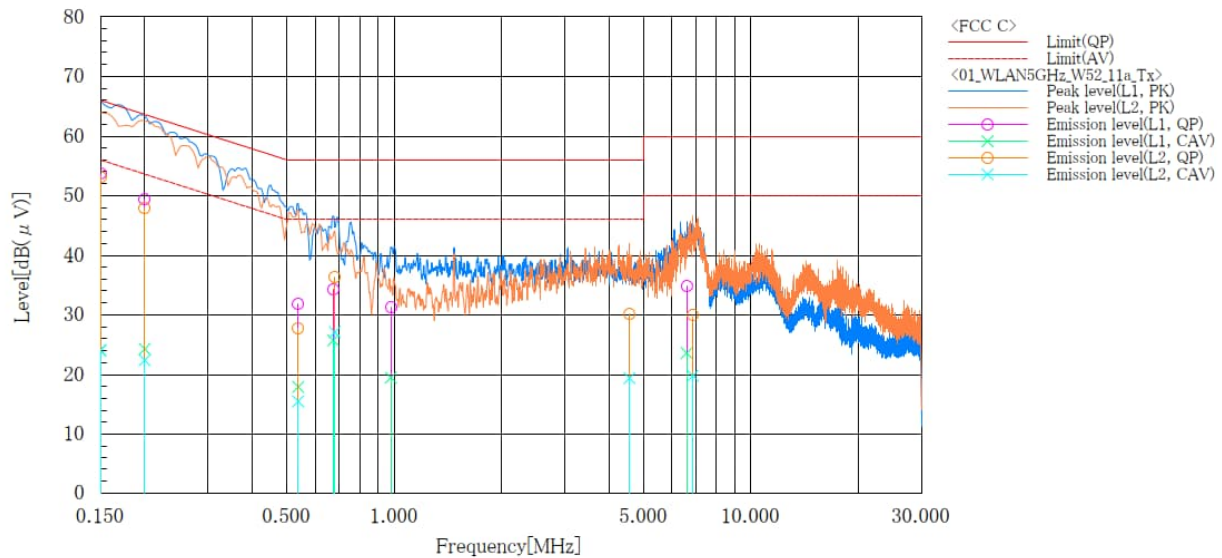
Test engineer :

Chiaki Kanno

[5.2 GHz Band]

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_11a_W52_Tx

Standard : FCC Part 15 Class E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.1 [°C], 67.7 [%]
 Note1 : CH:36_5180MHz
 Note2 :

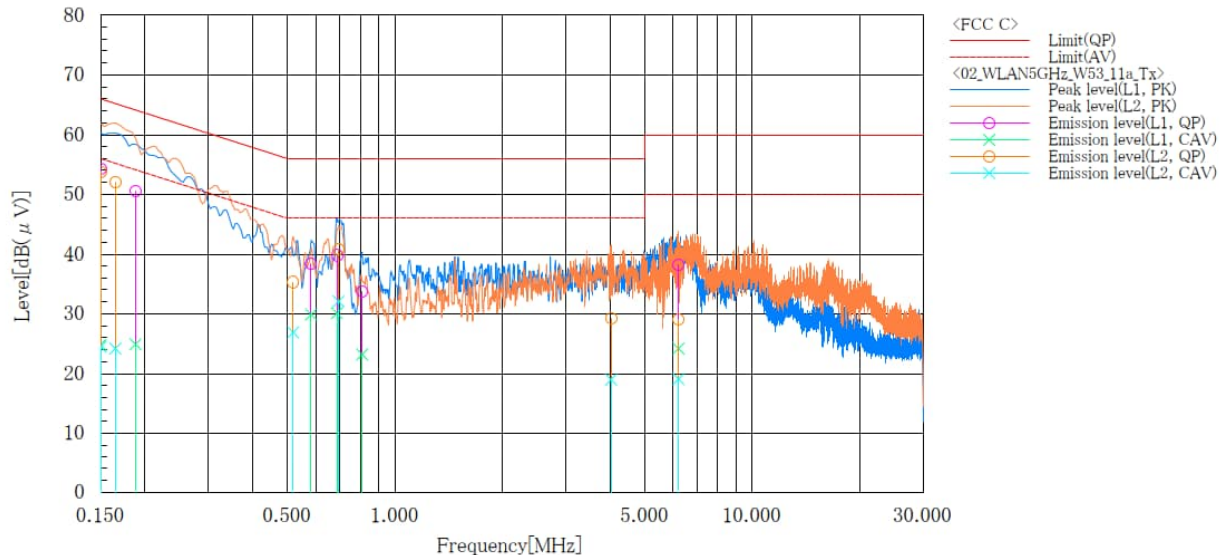
**Final Result**

--- L1 ---										
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	43.3	13.6	10.5	53.8	24.1	66.0	56.0	12.2	31.9
2	0.200	39.0	13.9	10.4	49.4	24.3	63.6	53.6	14.2	29.3
3	0.538	21.5	7.6	10.3	31.8	17.9	56.0	46.0	24.2	28.1
4	0.674	24.0	15.4	10.3	34.3	25.7	56.0	46.0	21.7	20.3
5	0.979	21.0	9.2	10.3	31.3	19.5	56.0	46.0	24.7	26.5
6	6.606	24.0	12.8	10.8	34.8	23.6	60.0	50.0	25.2	26.4
--- L2 ---										
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	42.6	13.5	10.5	53.1	24.0	66.0	56.0	12.9	32.0
2	0.200	37.5	12.0	10.4	47.9	22.4	63.6	53.6	15.7	31.2
3	0.538	17.5	5.2	10.3	27.8	15.5	56.0	46.0	28.2	30.5
4	0.681	26.1	16.8	10.3	36.4	27.1	56.0	46.0	19.6	18.9
5	4.567	19.5	8.8	10.6	30.1	19.4	56.0	46.0	25.9	26.6
6	6.866	19.2	9.0	10.8	30.0	19.8	60.0	50.0	30.0	30.2

[5.3 GHz Band]

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_11a_W53_Tx

Standard : FCC Part 15 Class E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.1 [°C], 67.7 [%]
 Note1 : CH:52_5260MHz
 Note2 :



Final Result

--- L1 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	43.8	14.3	10.5	54.3	24.8	66.0	56.0	11.7	31.2
2	0.188	40.2	14.5	10.4	50.6	24.9	64.1	54.1	13.5	29.2
3	0.583	28.0	19.6	10.3	38.3	29.9	56.0	46.0	17.7	16.1
4	0.689	29.5	19.8	10.3	39.8	30.1	56.0	46.0	16.2	15.9
5	0.809	23.5	12.9	10.3	33.8	23.2	56.0	46.0	22.2	22.8
6	6.217	27.5	13.5	10.7	38.2	24.2	60.0	50.0	21.8	25.8

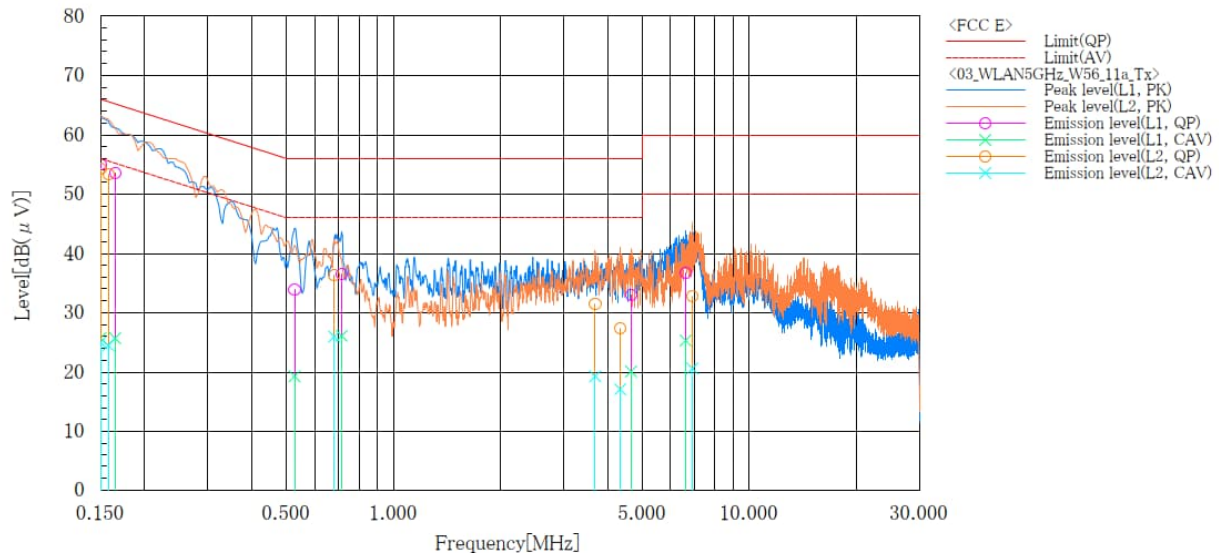
--- L2 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	43.3	14.0	10.5	53.8	24.5	66.0	56.0	12.2	31.5
2	0.165	41.6	13.7	10.5	52.1	24.2	65.2	55.2	13.1	31.0
3	0.519	25.0	16.6	10.3	35.3	26.9	56.0	46.0	20.7	19.1
4	0.696	30.5	21.8	10.3	40.8	32.1	56.0	46.0	15.2	13.9
5	4.024	18.7	8.4	10.6	29.3	19.0	56.0	46.0	26.7	27.0
6	6.221	18.3	8.3	10.8	29.1	19.1	60.0	50.0	30.9	30.9

[5.6 GHz Band]

Company name : KYOCERA Corporation
 EUT : Mobile Phone
 Model No. : EB1173
 Serial No. : N/A
 Test mode : WLAN_11a_W56_Tx

Standard : FCC Part 15 Class E
 Operator : C.Kanno
 Temp,Hum,Atm : 24.1 [°C], 67.7 [%]
 Note1 : CH:100_5500MHz
 Note2 :

**Final Result****--- L1 ---**

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	44.5	15.2	10.5	55.0	25.7	66.0	56.0	11.0	30.3
2	0.165	43.1	15.2	10.5	53.6	25.7	65.2	55.2	11.6	29.5
3	0.527	23.6	9.0	10.3	33.9	19.3	56.0	46.0	22.1	26.7
4	0.715	26.2	15.8	10.3	36.5	26.1	56.0	46.0	19.5	19.9
5	4.657	22.4	9.5	10.6	33.0	20.1	56.0	46.0	23.0	25.9
6	6.621	25.9	14.5	10.8	36.7	25.3	60.0	50.0	23.3	24.7

--- L2 ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	43.8	14.5	10.5	54.3	25.0	66.0	56.0	11.7	31.0
2	0.158	42.8	14.0	10.5	53.3	24.5	65.6	55.6	12.3	31.1
3	0.681	26.0	15.7	10.3	36.3	26.0	56.0	46.0	19.7	20.0
4	3.685	20.9	8.7	10.6	31.5	19.3	56.0	46.0	24.5	26.7
5	4.333	16.8	6.5	10.6	27.4	17.1	56.0	46.0	28.6	28.9
6	6.918	22.0	9.8	10.8	32.8	20.6	60.0	50.0	27.2	29.4

4.7 Duty Cycle

4.7.1 Measurement procedure

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

The duty cycle is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;

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

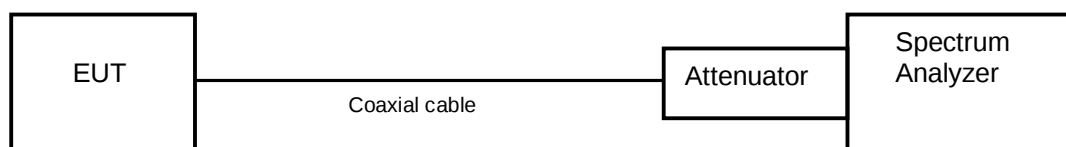
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band, 5.8 GHz Band

The test mode of EUT is as follows.

- Tx mode

- Test configuration



4.7.2 Limit

None

4.7.3 Measurement result

Date : 31-July-2023

Temperature : 23.3 [°C]

Humidity : 59.1 [%]

Test place : Shielded room No.4

Test engineer :

Kazunori Saito

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11a	36	5180	1.392	1.428	0.975	718.4	0.11	0.22
	40	5200						
	48	5240						
	52	5260	1.392	1.428	0.975	718.4	0.11	0.22
	56	5280						
	64	5320						
	100	5500	1.392	1.428	0.975	718.4	0.11	0.22
	116	5580						
	140	5700						
	144	5720						

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

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11n (20MHz)	36	5180	1.286	1.324	0.971	777.6	0.128	0.256
	40	5200						
	48	5240						
	52	5260	1.286	1.324	0.971	777.6	0.128	0.256
	56	5280						
	64	5320						
	100	5500	1.286	1.324	0.971	777.6	0.128	0.256
	116	5580						
	140	5700						
	144	5720						

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

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11n (40MHz)	38	5190	0.635	0.671	0.946	1574.8	0.241	0.482
	46	5230						
	54	5270	0.635	0.671	0.946	1574.8	0.241	0.482
	62	5310						
	102	5510	0.635	0.671	0.946	1574.8	0.241	0.482
	110	5550						
	134	5670						
	142	5710						

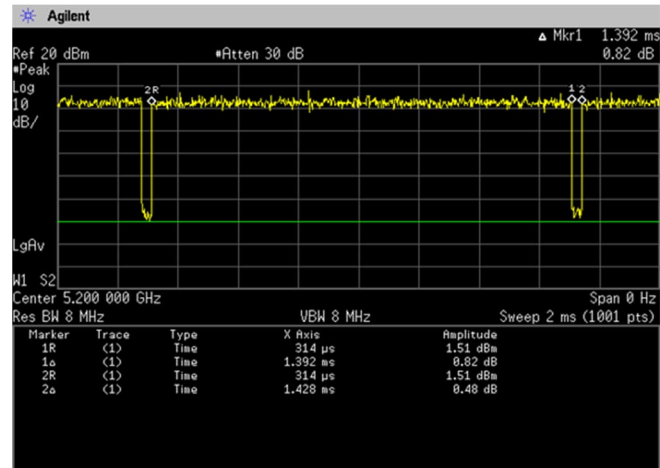
Note: X = On time / (On + Off time)

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11ac (80MHz)	42	5210	0.323	0.360	0.897	3096.0	0.472	0.944
	58	5290	0.323	0.360	0.897	3096.0	0.472	0.944
	106	5530	0.323	0.360	0.897	3096.0	0.472	0.944
	121	5610	0.323	0.360	0.897	3096.0	0.472	0.944
	138	5690	0.323	0.360	0.897	3096.0	0.472	0.944

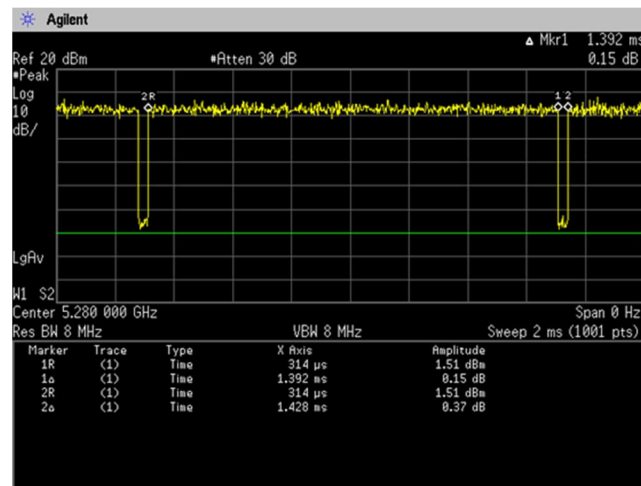
Note: X = On time / (On + Off time)

4.7.4 Trace data

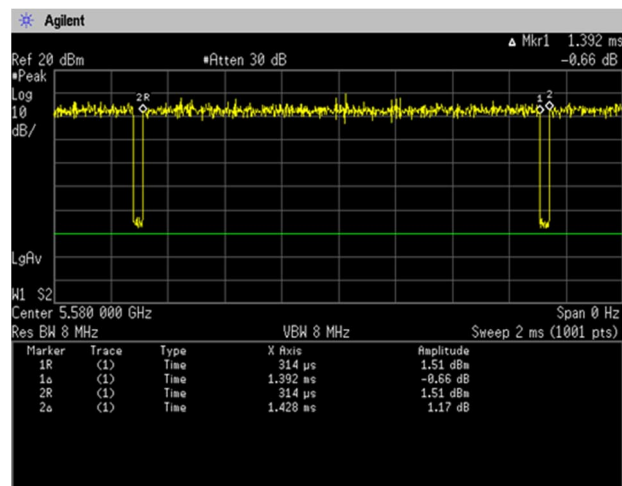
[IEEE802.11a]
(5.2 GHz Band)
Channel: 40



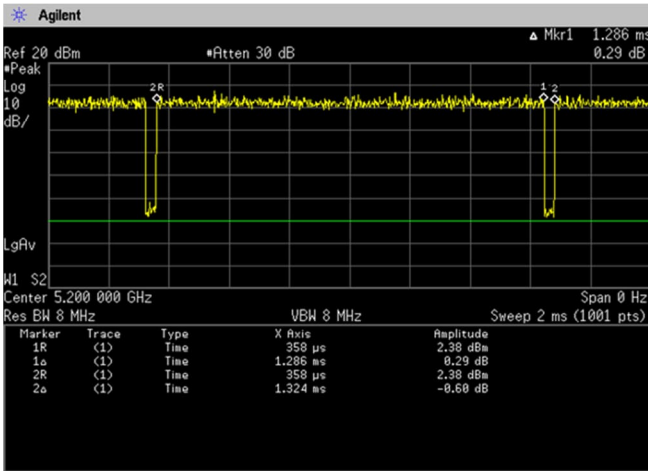
(5.3 GHz Band)
Channel: 56



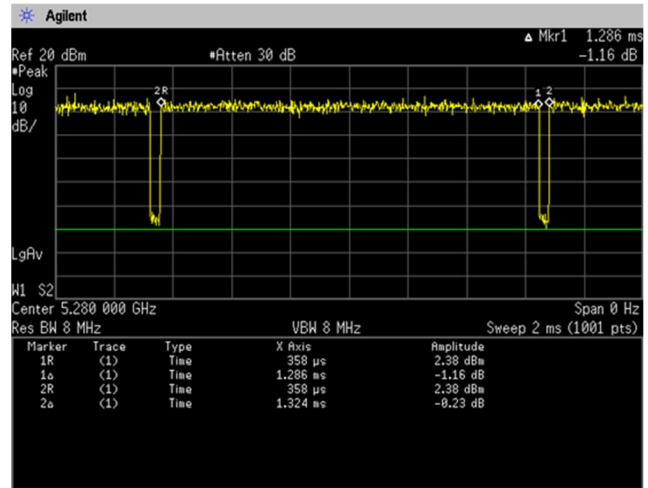
(5.6 GHz Band)
Channel: 116



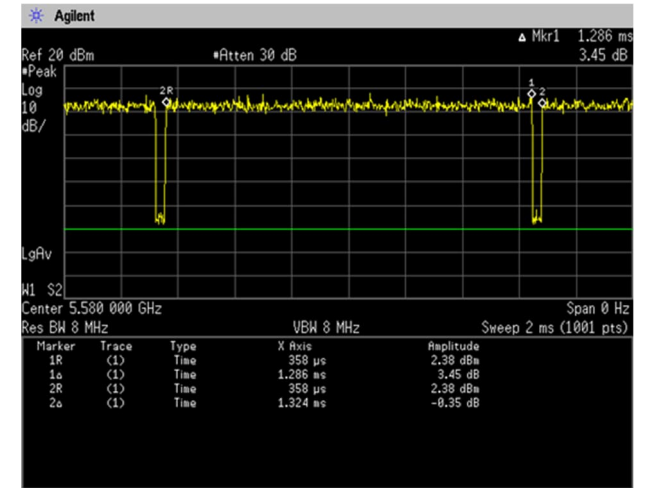
[IEEE802.11n (HT20)]
(5.2 GHz Band)
Channel: 40



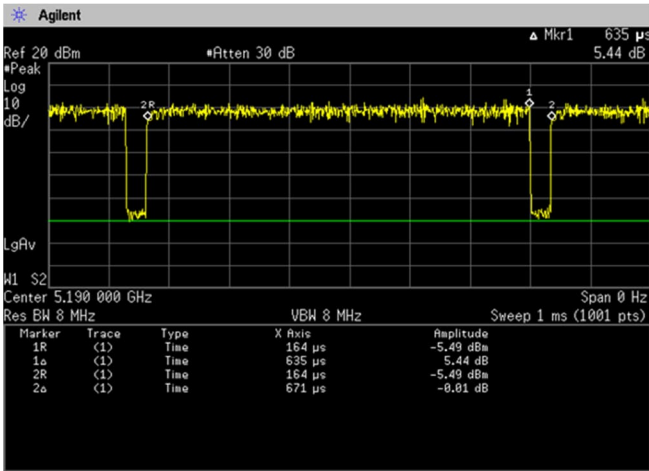
(5.3 GHz Band)
Channel: 56



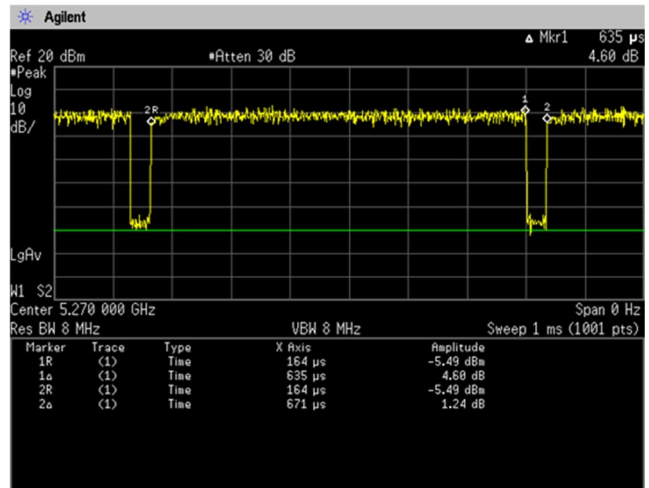
(5.6 GHz Band)
Channel: 116



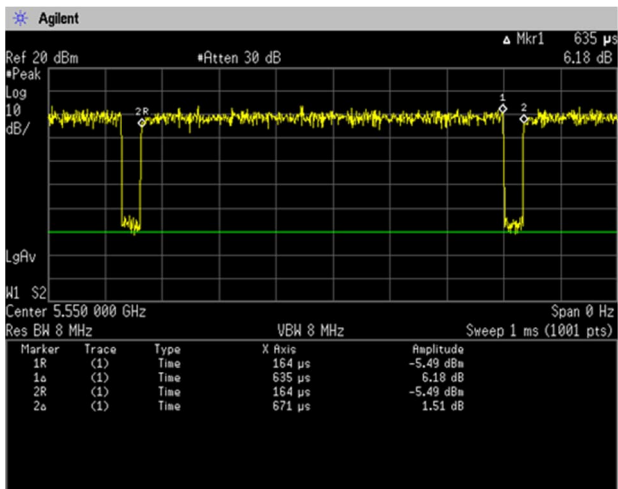
[IEEE802.11n (HT40)]
(5.2 GHz Band)
Channel: 38



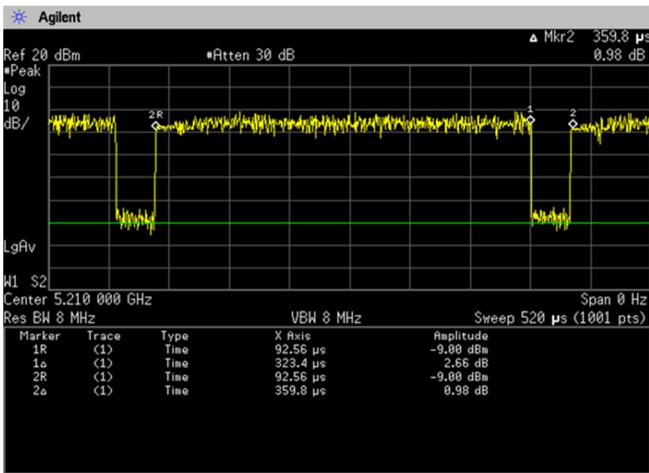
(5.3 GHz Band)
Channel: 54



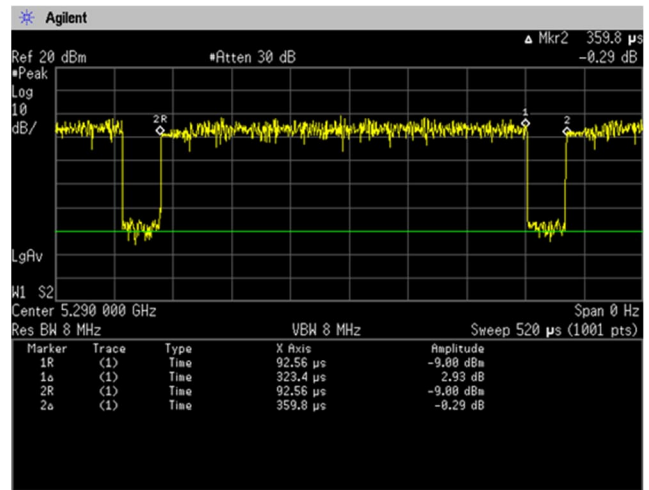
(5.6 GHz Band)
Channel: 110



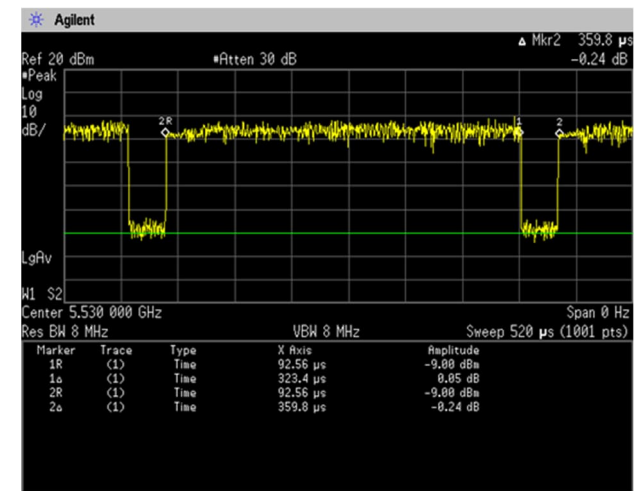
[IEEE802.11ac (HT80)]
(5.2 GHz Band)
Channel: 42



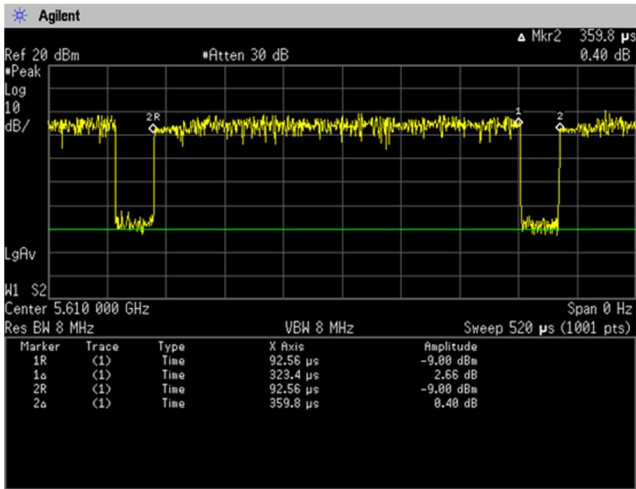
(5.3 GHz Band)
Channel: 58



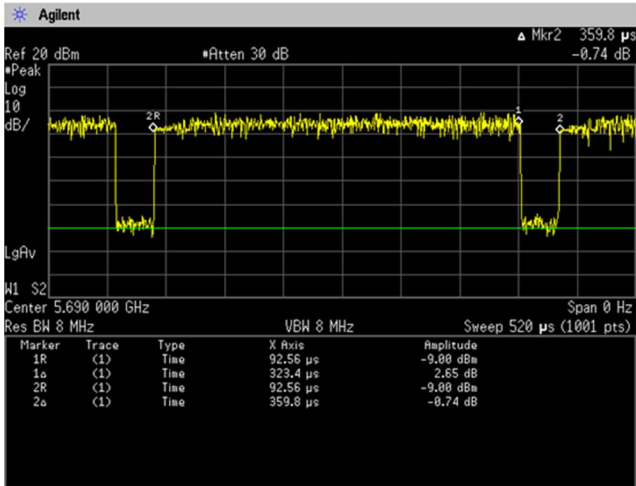
(5.6 GHz Band)
Channel: 106



(5.6 GHz Band)
Channel: 122



Channel: 138





Japan

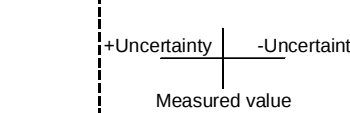
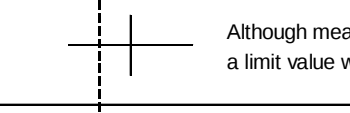
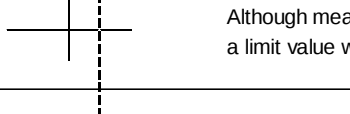
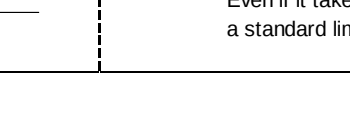
5 Antenna requirement

According to FCC section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The antenna is a special antenna mounted inside of the EUT. Therefore, the EUT complies with the antenna requirement of FCC section 15.203.

6 Measurement uncertainty

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

Test item	Measurement uncertainty
Conducted emission, AMN (9 kHz – 150 kHz)	± 3.7 dB
Conducted emission, AMN (150 kHz – 30 MHz)	± 3.3 dB
Radiated emission (9 kHz – 30 MHz)	± 3.8 dB
Radiated emission (30 MHz – 1000 MHz)	± 5.4 dB
Radiated emission (1 GHz – 6 GHz)	± 4.6 dB
Radiated emission (6 GHz – 18 GHz)	± 4.7 dB
Radiated emission (18 GHz – 40 GHz)	± 6.4 dB
Radio Frequency	$\pm 1.3 \times 10^{-8}$
RF power, conducted	± 0.7 dB
Adjacent channel power	± 1.5 dB
Temperature	± 0.6 °C
Humidity	± 1.2 %
Voltage (DC)	± 0.4 %
Voltage (AC, <10kHz)	± 0.2 %

Judge	Measured value and standard limit value	
PASS	Standard limit value +Uncertainty -Uncertainty Measured value Case1  Even if it takes uncertainty into consideration, a standard limit value is fulfilled.	
	Standard limit value +Uncertainty -Uncertainty Measured value Case2  Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.	
FAIL	Standard limit value +Uncertainty -Uncertainty Measured value Case3  Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.	
	Standard limit value +Uncertainty -Uncertainty Measured value Case4  Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.	



Japan

7 Laboratory Information

Testing was performed and the report was issued at:

TÜV SÜD Japan Ltd. Yonezawa Testing Center

Address: 5-4149-7 Hachimanpara, Yonezawa-shi, Yamagata, 992-1128 Japan

Phone: +81-238-28-2881

Accreditation and Registration

A2LA

Certificate #3686.03

VLAC

Accreditation No.: VLAC-013

BSMI

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

Innovation, Science and Economic Development Canada

ISED#: 4224A

VCCI Council

Registration number: A-0166

Appendix A. Test Equipment

Antenna port conducted test

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
Spectrum analyzer	Agilent Technologies	E4440A	US44302655	30-Sep-2023	05-Sep-2022
Attenuator	HUBER+SUHNER	6810.19.A	N/A(S450)	31-Dec-2023	19-Dec-2022
Micro wave cable	Junkosha Inc.	MWX221/1m	N/A(S400)	31-Mar-2024	16-Mar-2023
Low temperature and humidity chamber	Espec	PL1KP	14007261	30-Jun-2024	30-Jun-2023

Radiated emission

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI receiver	ROHDE&SCHWARZ	ESW44	103171	30-Sep-2023	20-Sep-2022
Spectrum analyzer	ROHDE&SCHWARZ	FSV40	101731	31-Aug-2024	16-Aug-2023
Preamplifier	SONOMA	310	372170	30-Sep-2023	28-Sep-2022
Loop antenna	ROHDE&SCHWARZ	HFH2-Z2	100515	30-Apr-2024	21-Apr-2023
Attenuator	TOYO Connector	NA-PJ-6	N/A(S507)	31-Mar-2024	15-Mar-2023
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1145	31-Jul-2024	14-Jul-2023
Log periodic antenna	Schwarzbeck	VUSLP9111B	346	30-Nov-2023	16-Nov-2022
Attenuator	TOYO Connector	NA-PJ-6/6dB	N/A(S541)	30-Sep-2023	28-Sep-2022
Attenuator	TAMAGAWA.ELEC	CFA-10/3dB	N/A(S503)	31-Jul-2024	20-Jul-2023
Preamplifier	TSJ	MLA-100M18-B02-40	1929118	31-Dec-2023	22-Dec-2022
Attenuator	AEROFLEX	26A-10	081217-08	31-Dec-2023	19-Dec-2022
Double ridged guide antenna	ETS LINDGREN	3117	00052315	30-Jun-2024	22-Jun-2023
Attenuator	HUBER+SUHNER	6803.17.B	N/A(2340)	31-Dec-2023	22-Dec-2022
Double ridged guide antenna	A.H.Systems Inc.	SAS-574	469	31-Aug-2023	19-Aug-2022
Preamplifier	TSJ	MLA-1840-B03-35	1240332	31-Aug-2023	19-Aug-2022
Notch Filter	Micro-Tronics	BRM50716	006	31-Jul-2024	19-Jul-2023
Microwave cable	HUBER+SUHNER	SUCOFLEX104/9m	800690/4	31-Oct-2023	26-Oct-2022
		SUCOFLEX104/1m	my24610/4	31-Dec-2023	19-Dec-2022
		SUCOFLEX104/9m	2001099/4	31-Dec-2023	22-Dec-2022
		SUCOFLEX104/1m	MY32976/4	31-Dec-2023	22-Dec-2022
		SUCOFLEX104/2m	SN MY28404/4	31-Dec-2023	19-Dec-2022
		SUCOFLEX104/7m	41625/6	31-Dec-2023	22-Dec-2022
Software	TOYO Technica	ES10/RE-AJ	Ver.2021.10.001	N/A	N/A
Absorber	RIKEN	PFP30	N/A	N/A	N/A
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-NSA)	31-May-2024	28-May-2023
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-SVSWR)	31-May-2024	28-May-2023

Conducted emission at mains port

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI receiver	ROHDE&SCHWARZ	ESW44	103171	30-Sep-2023	20-Sep-2022
Attenuator	HUBER+SUHNER	6810.01.A	N/A (S411)	31-Dec-2023	20-Dec-2022
Line impedance stabilization network	Kyoritsu Electrical Works, Ltd.	TNW-407F2	12-17-110-2	30-Jun-2024	22-Jun-2023
Microwave cable	HUBER+SUHNER	SUCOFLEX104/5m	MY33601/4	31-Oct-2023	27-Oct-2022
Microwave cable	HUBER+SUHNER	SUCOFLEX104/2m	MY37268/4	31-Oct-2023	27-Oct-2022
Coaxial cable	HUBER+SUHNER	RG214/U/10m	N/A (S194)	31-Dec-2023	22-Dec-2022
Software	TOYO Technica	ES10/RE-AJ	Ver.2021.10.001	N/A	N/A

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