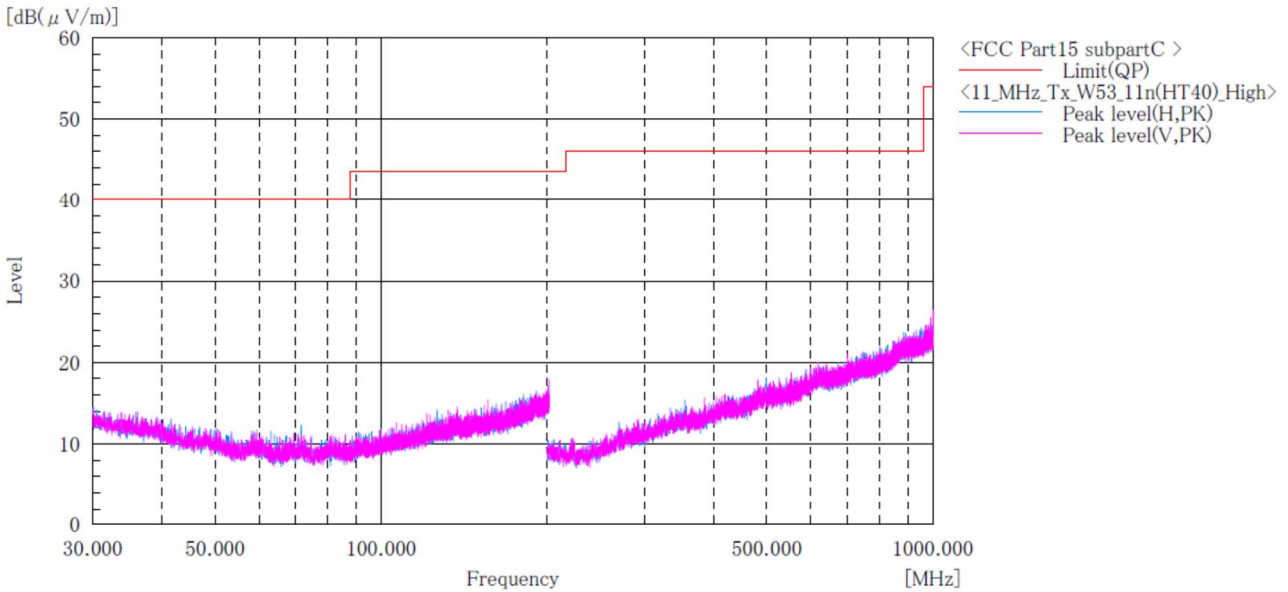




Japan

**[11n(HT40)]  
W53 / Channel High  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: CH:62 5310MHz
Test mode	: 5GHz_W53_11n(HT40)_Tx_ch:High	Note2	:



Final Result

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

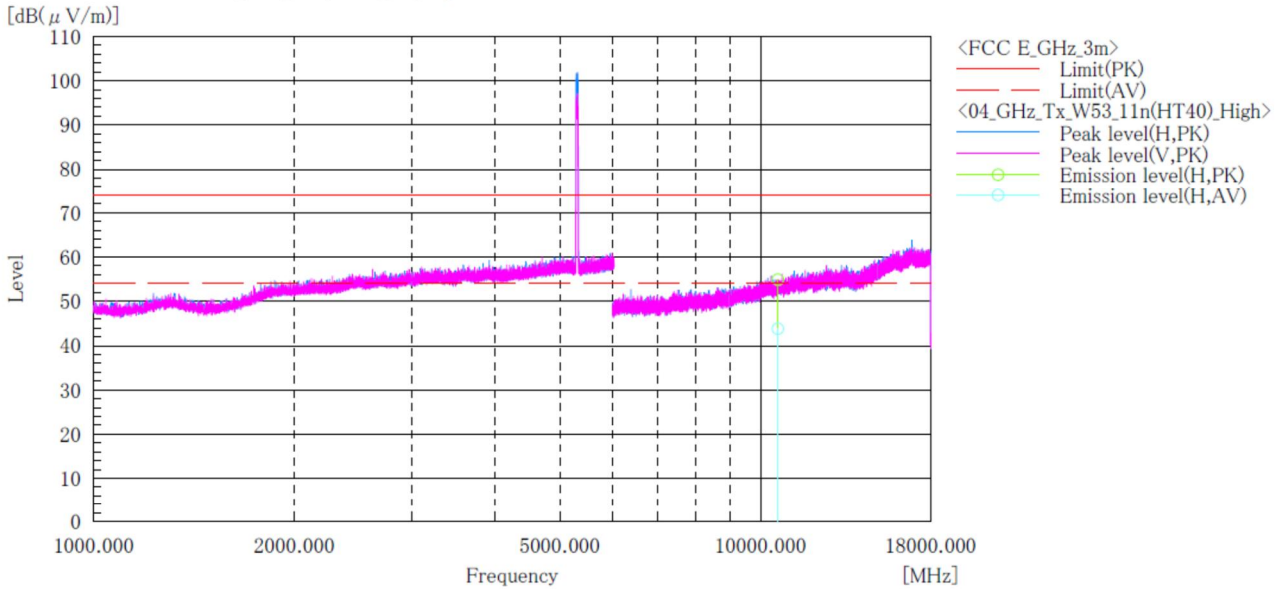
Note:

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



**[11n(HT40)]  
W53 / Channel High  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:62_5310MHz
Test mode	: 5GHz_W53_11n(HT40)_Tx_High	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	10620.000	H	43.9	32.8	11.0	54.9	43.8	74.0	54.0	19.1	10.2	100.0	0.0

Note:

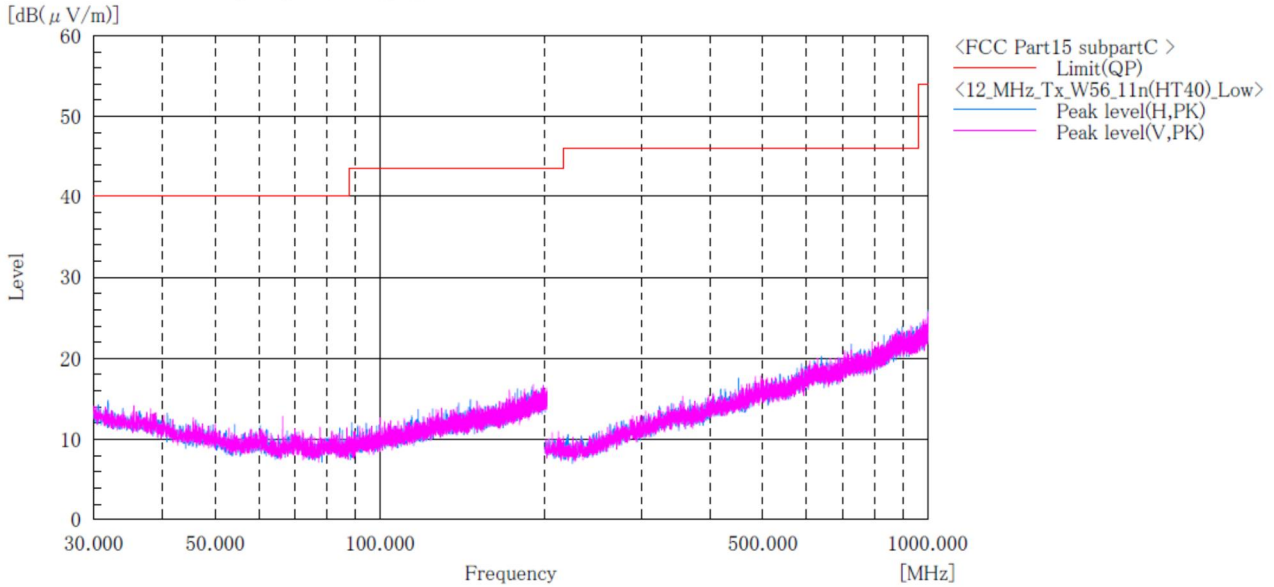
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

**[11n(HT40)]  
W56 / Channel Low  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: CH:102 5510MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_ch:Low	Note2	:



Final Result

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

Note:

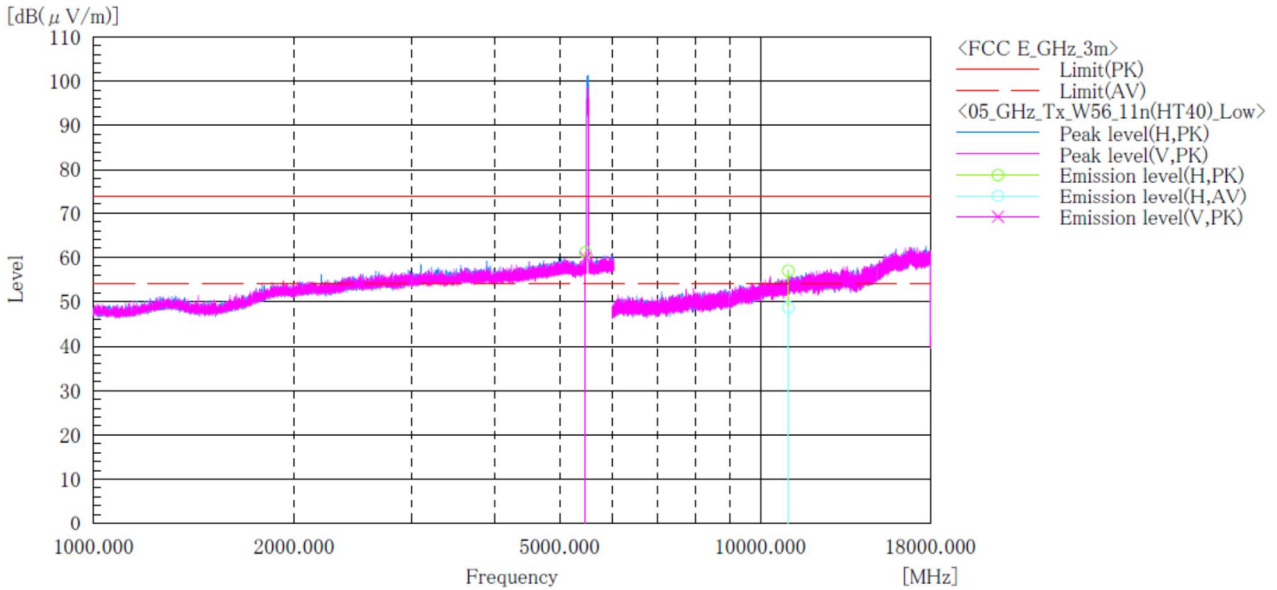
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Japan

**[11n(HT40)]  
W56 / Channel Low  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:102_5510MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_Low	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	5467.900	H	49.9	-----	11.2	61.1	-----	68.2	54.0	7.1	-----	100.0	0.0
2	5469.700	V	48.7	-----	11.2	59.9	-----	68.2	54.0	8.3	-----	224.0	0.0
3	11020.000	H	45.2	36.9	11.8	57.0	48.7	74.0	54.0	17.0	5.3	100.0	0.0

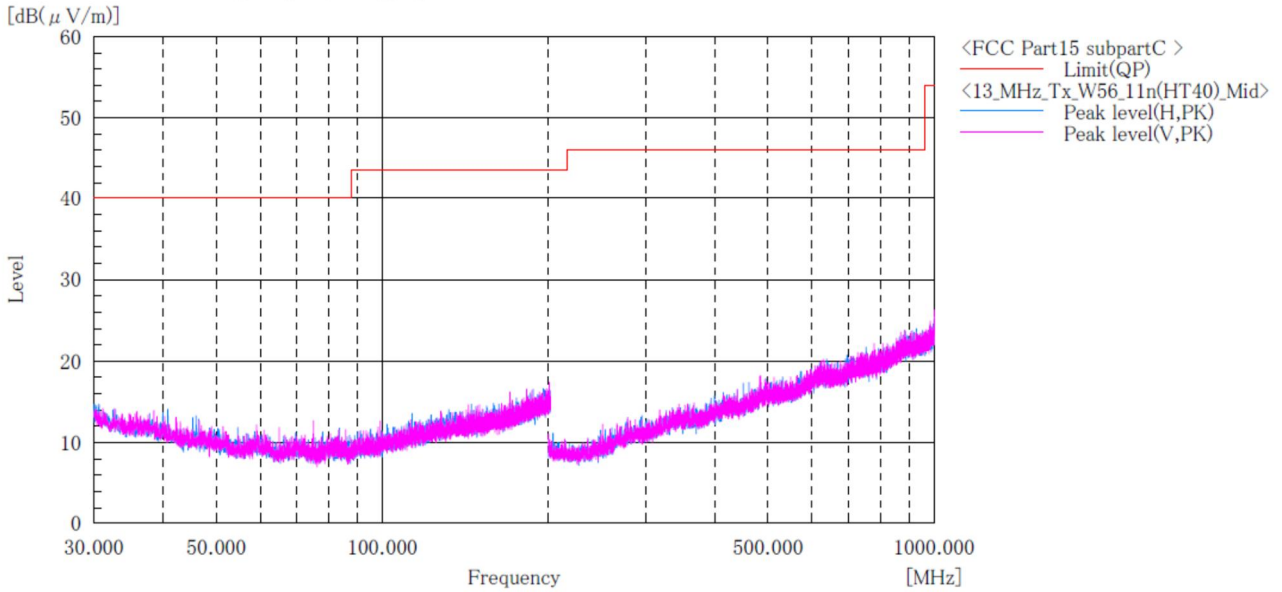
Note:

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)]  
W56 / Channel Middle  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: CH:110 5550MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_ch:Mid	Note2	:



Final Result

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

Note:

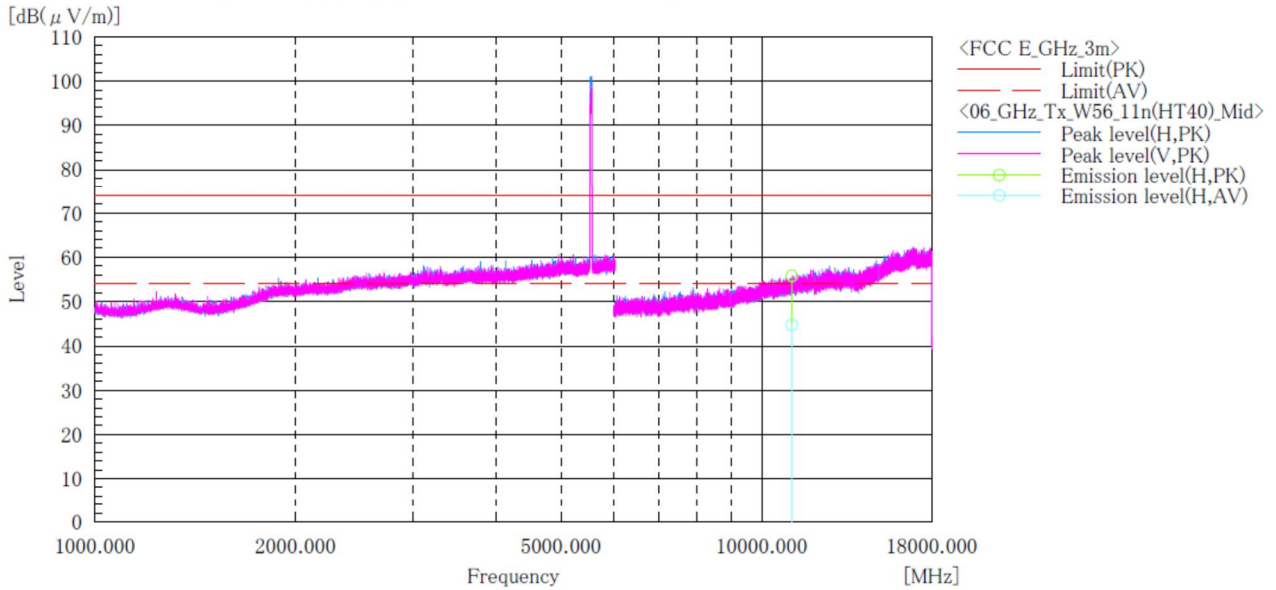
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Japan

**[11n(HT40)]  
W56 / Channel Middle  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:110_5550MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_Middle	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	11100.000	H	43.9	32.9	11.9	55.8	44.8	74.0	54.0	18.2	9.2	100.0	0.0

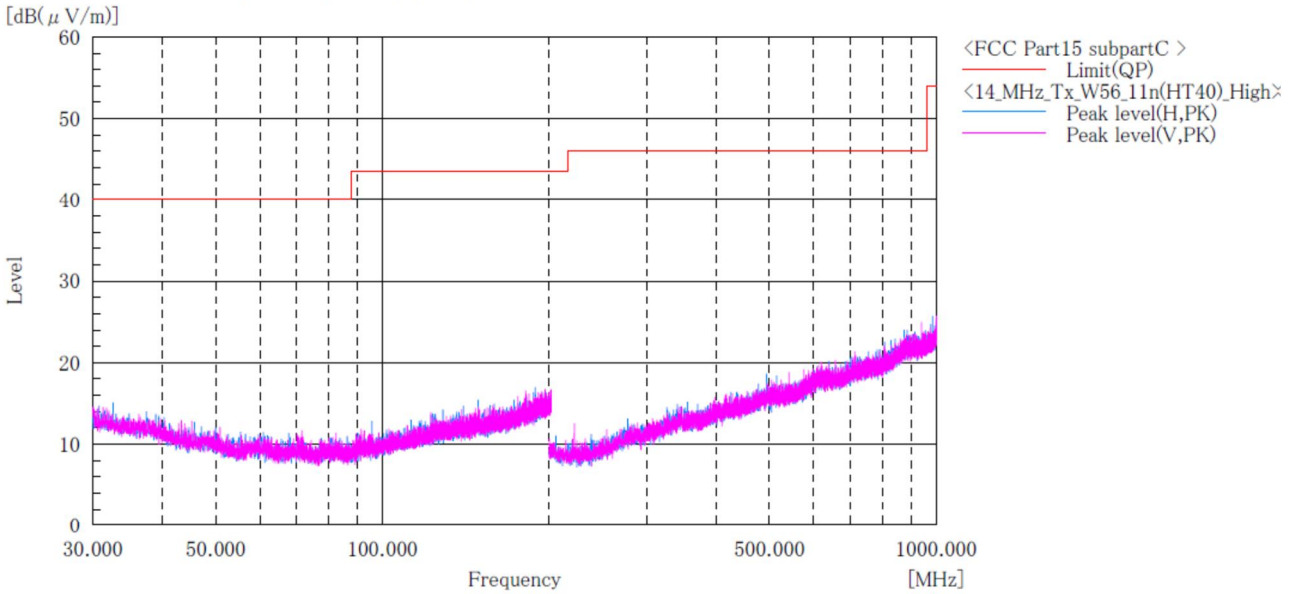
Note:

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)]  
W56 / Channel High  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: CH:134 5670MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_ch:High	Note2	:



Final Result

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

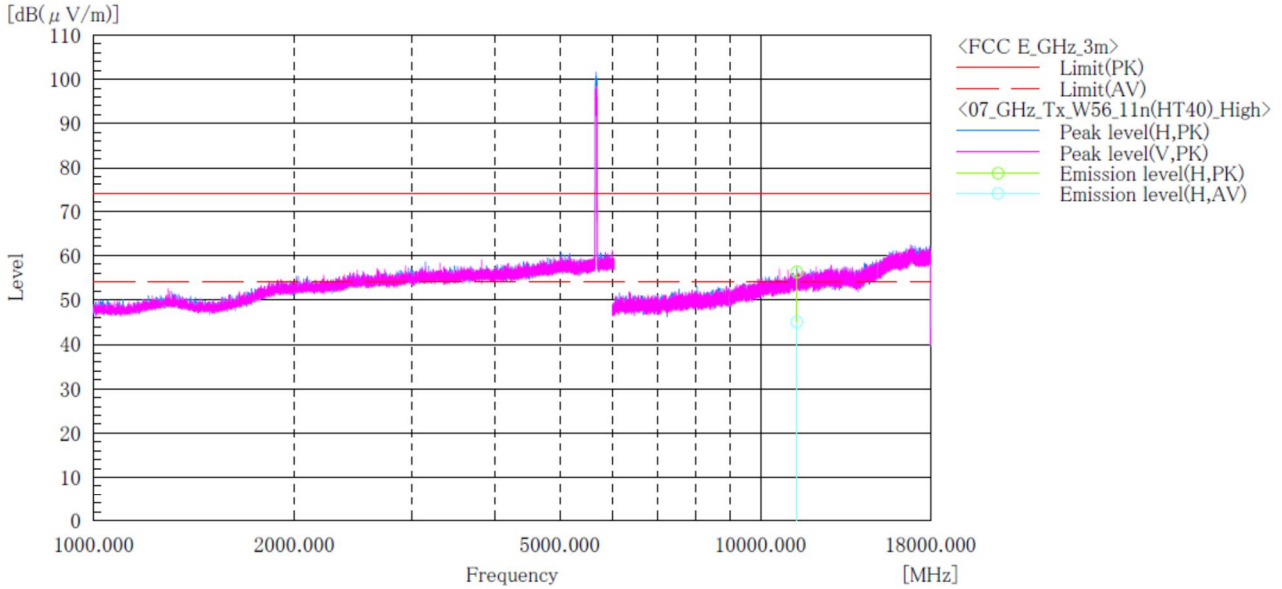
Note:

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



**[11n(HT40)]  
W56 / Channel High  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:134_5670MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_High	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	11340.000	H	44.3	33.0	12.0	56.3	45.0	74.0	54.0	17.7	9.0	100.0	0.0

Note:

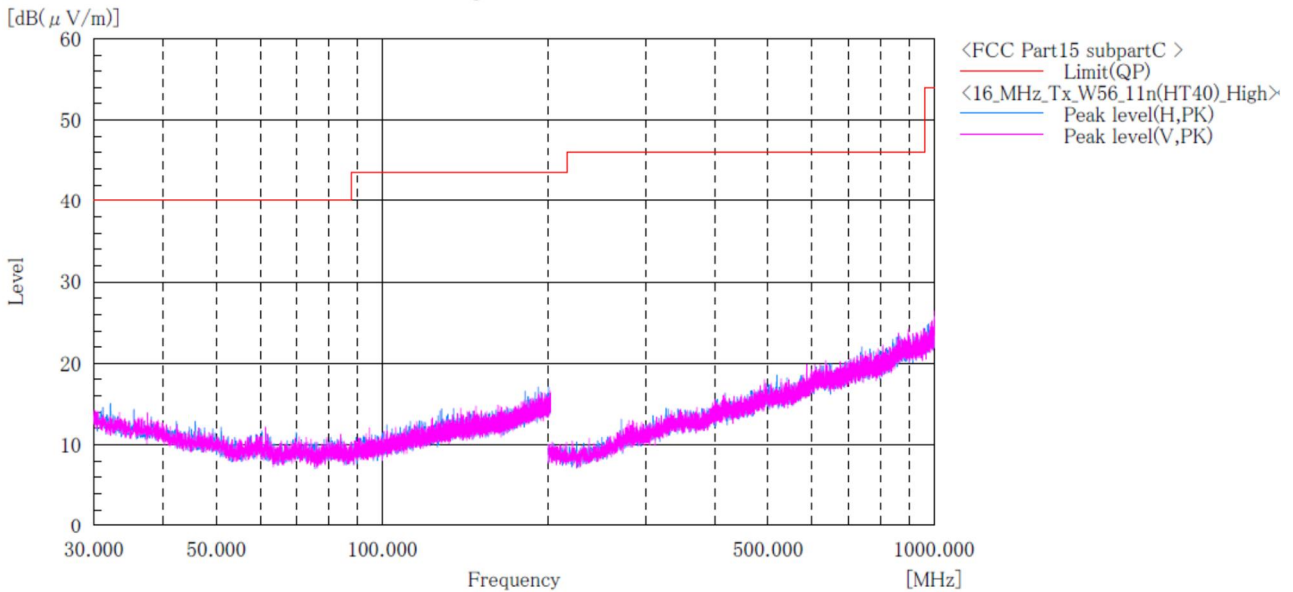
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.





**[11n(HT40)]  
W56 / Channel High  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: CH:142 5710MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_ch:High	Note2	:



Final Result

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

Note:

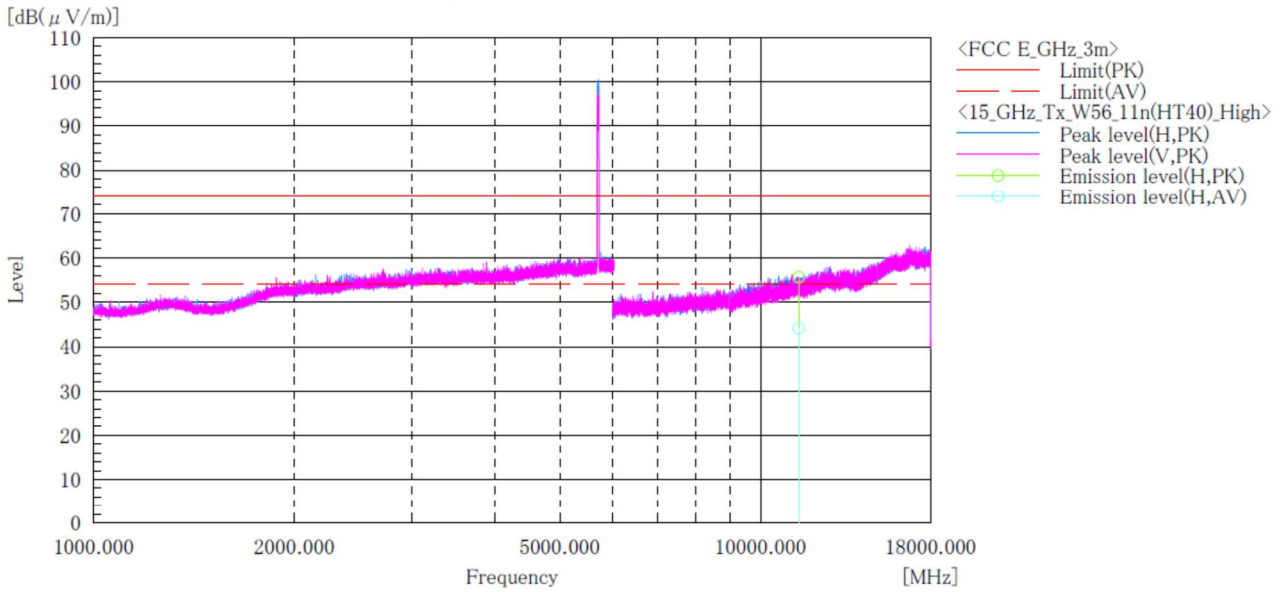
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Japan

**[11n(HT40)]**  
**W56 / Channel High**  
**ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:142_5710MHz
Test mode	: 5GHz_W56_11n(HT40)_Tx_High	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	11420.000	H	43.6	32.0	12.1	55.7	44.1	74.0	54.0	18.3	9.9	100.0	0.0

Note:

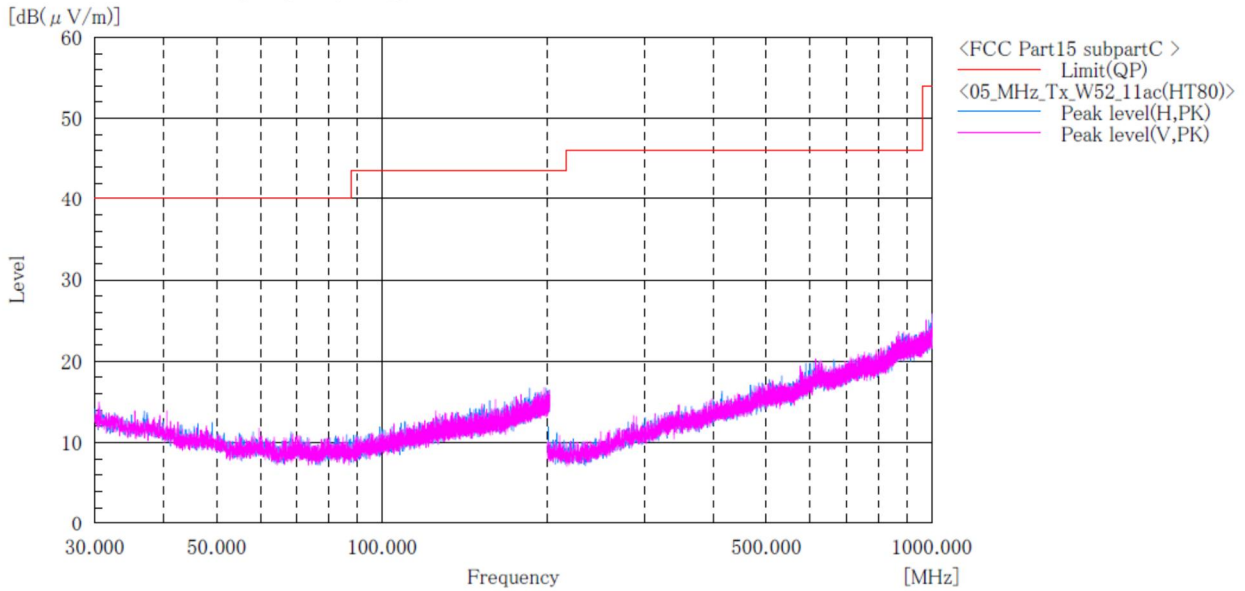
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:42_5210MHz
Test mode	: 5GHz_W52_11ac(HT80)_Tx	Note2	:



Final Result

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

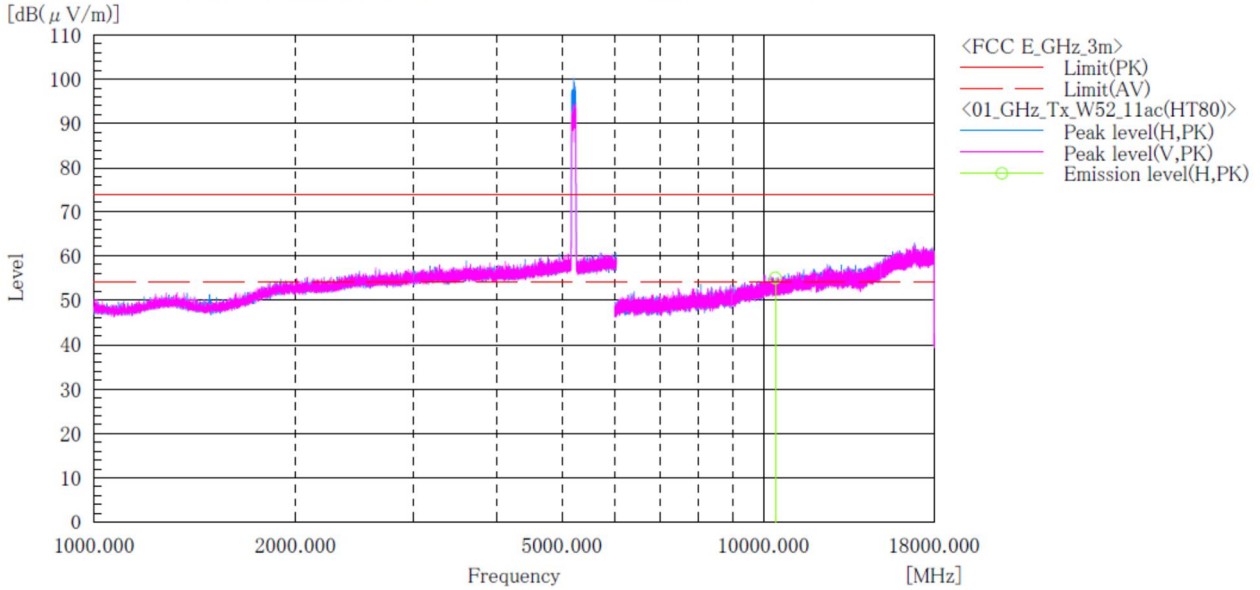
Note:

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



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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:42_5210MHz
Test mode	: 5GHz_W52_11ac(HT80)_Tx	Note2	:



**Final Result**

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]
1	10420.000	H	44.3	10.7	55.0	68.2	13.2	100.0	0.0

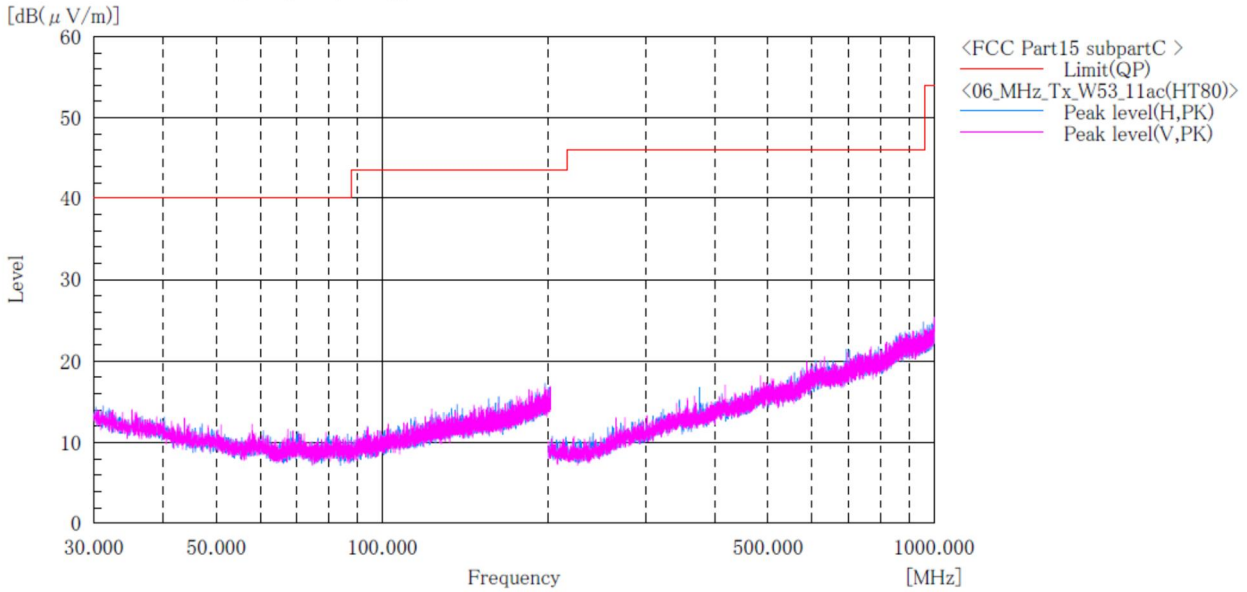
**Note:**

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



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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:58_5290MHz
Test mode	: 5GHz_W53_11ac(HT80)_Tx	Note2	:



Final Result

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

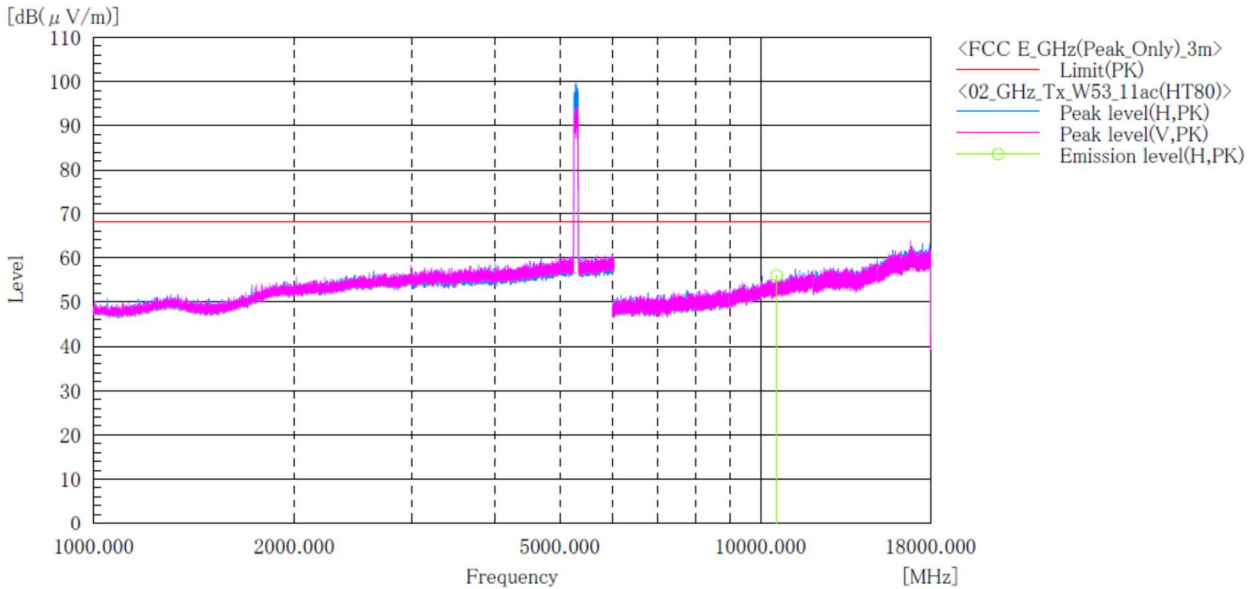
Note:

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



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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:58_5290MHz
Test mode	: 5GHz_W53_11ac(HT80)_Tx	Note2	:



**Final Result**

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]
1	10580.000	H	45.0	10.9	55.9	68.2	12.3	100.0	0.0

**Note:**

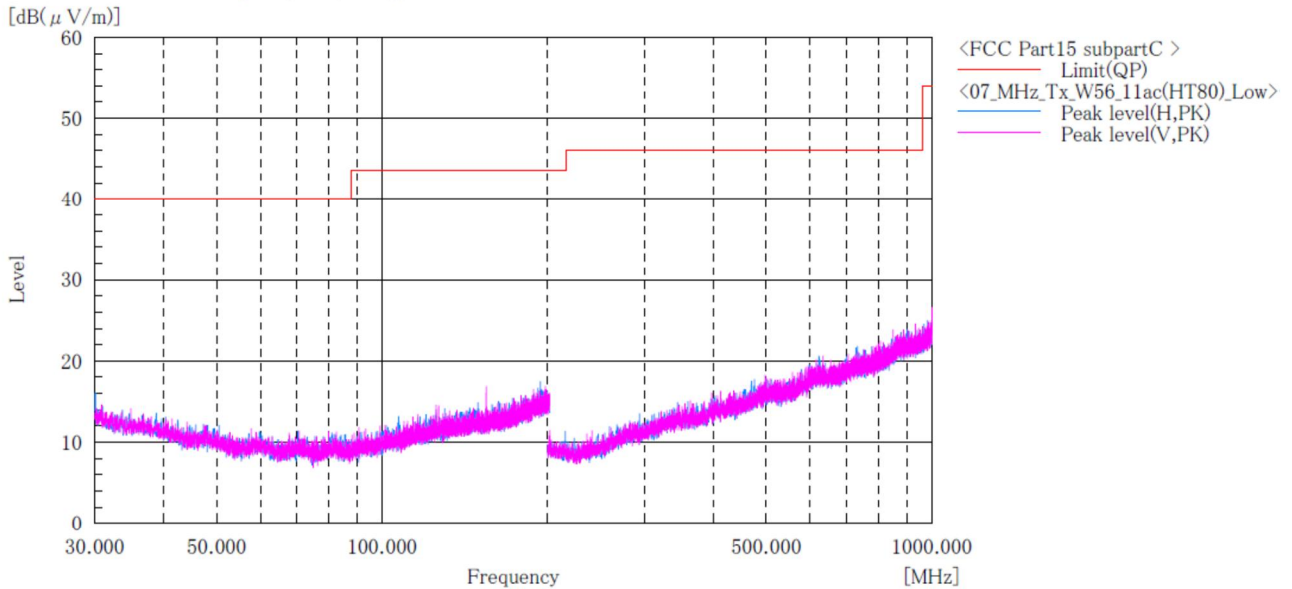
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:106_5530MHz
Test mode	: 5GHz_W56_11ac(HT80)_Tx	Note2	:



Final Result

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

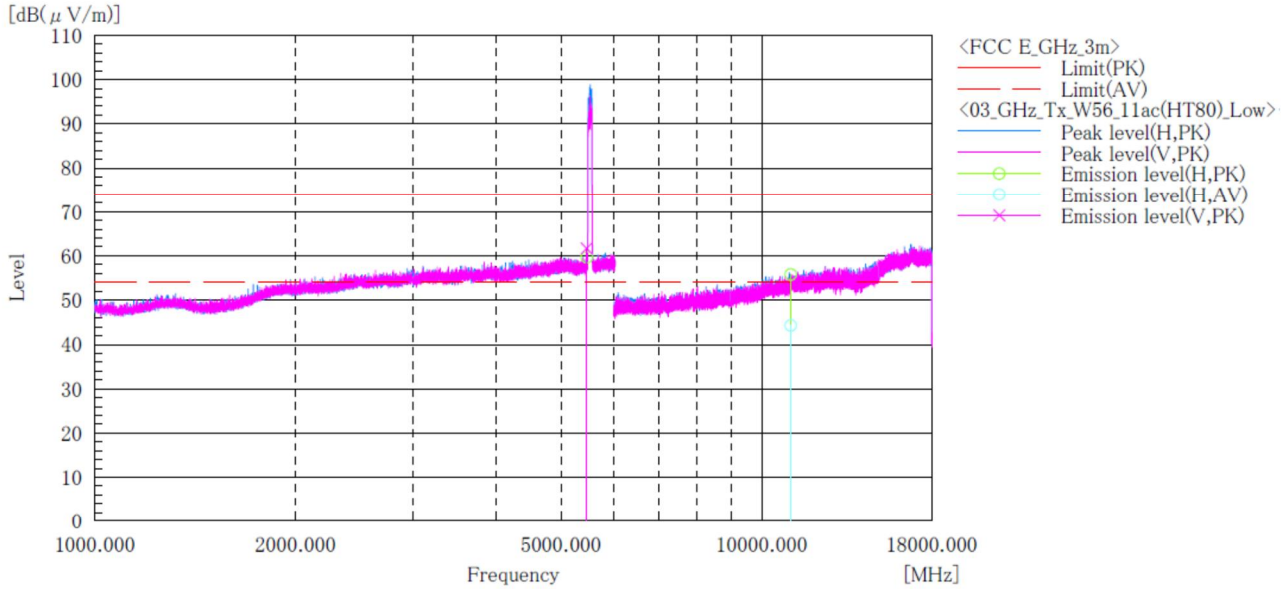
Note:

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



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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart C
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:106_5530MHz
Test mode	: 5GHz_W56_11ac(HT80)_Tx	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	5461.700	V	50.5	-----	11.2	61.7	-----	68.2	54.0	6.5	-----	100.0	0.0
2	5468.000	H	48.5	-----	11.2	59.7	-----	68.2	54.0	8.5	-----	100.0	0.0
3	11060.000	H	44.0	32.5	11.8	55.8	44.3	74.0	54.0	18.2	9.7	100.0	0.0

Note:

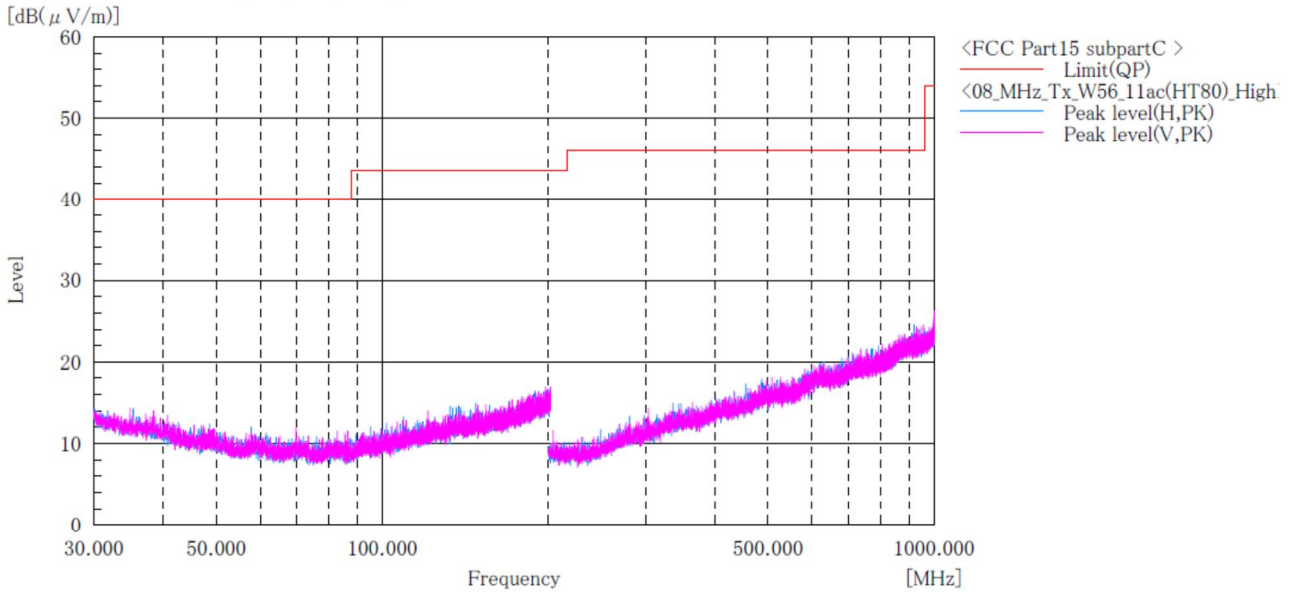
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable - Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.





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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:122_5610MHz
Test mode	: 5GHz_W56_11ac(HT80)_Tx	Note2	:



Final Result

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

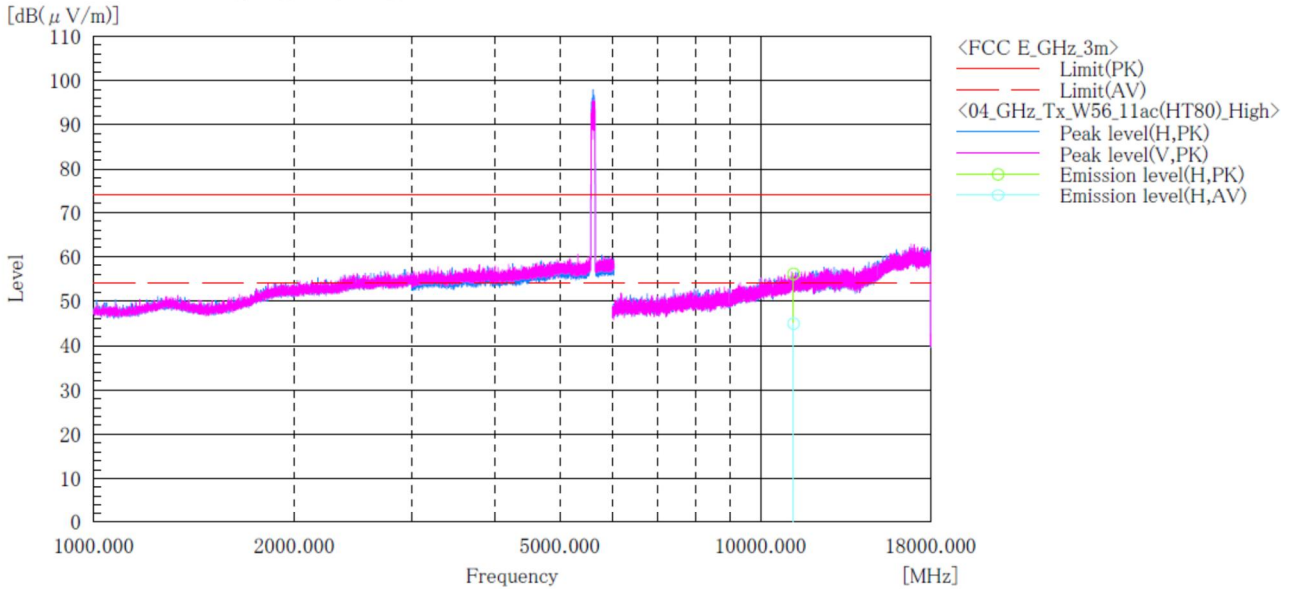
Note:

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



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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:122_5610MHz
Test mode	: 5GHz_W56_11ac(HT80)_Tx	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	11220.000	H	44.1	32.9	12.0	56.1	44.9	74.0	54.0	17.9	9.1	100.0	0.0

Note:

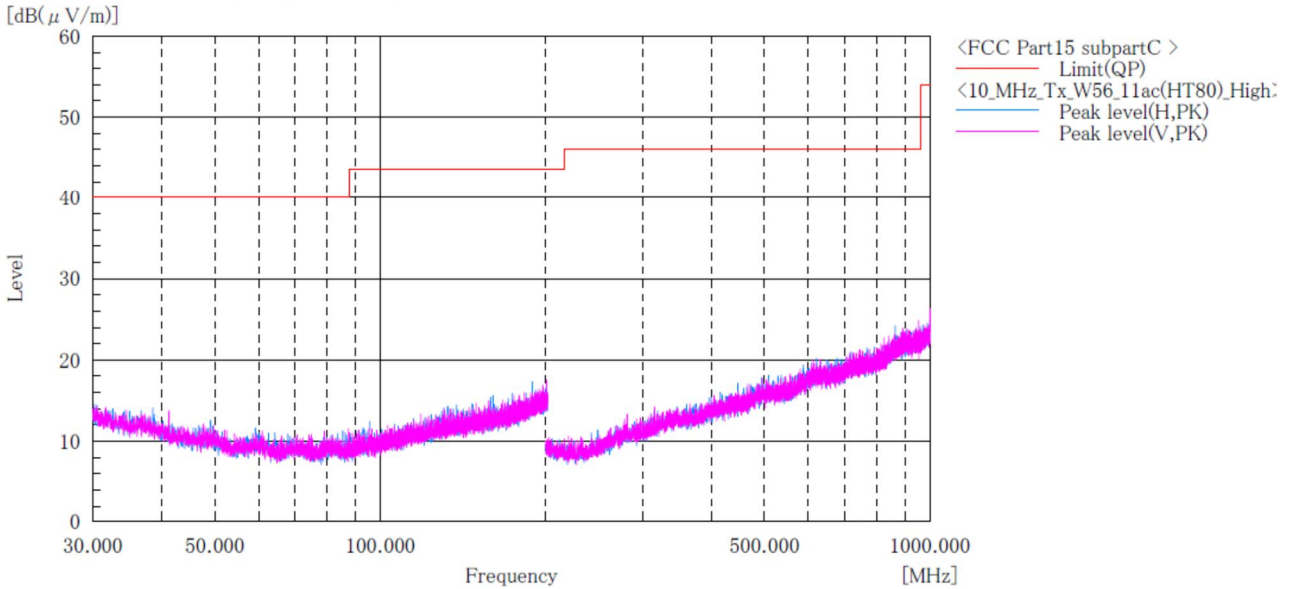
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:138_5690MHz
Test mode	: 5GHz_W56_11ac(HT80)_Tx	Note2	:



Final Result

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

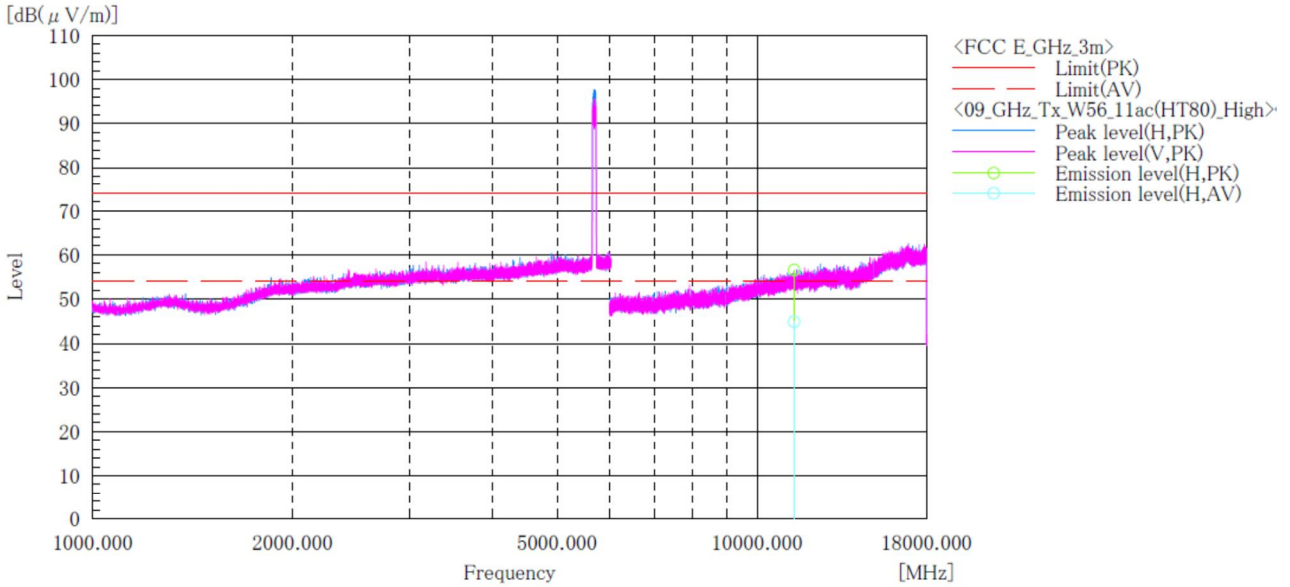
Note:

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



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

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 20.4[°C] 20.4[%]
Serial No.	: N/A	Note1	: ch:138_5690MHz
Test mode	: 5GHz_W56_11ac(HT80)_Tx	Note2	:



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c. f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]
1	11380.000	H	44.5	32.8	12.1	56.6	44.9	74.0	54.0	17.4	9.1	100.0	0.0

Note:

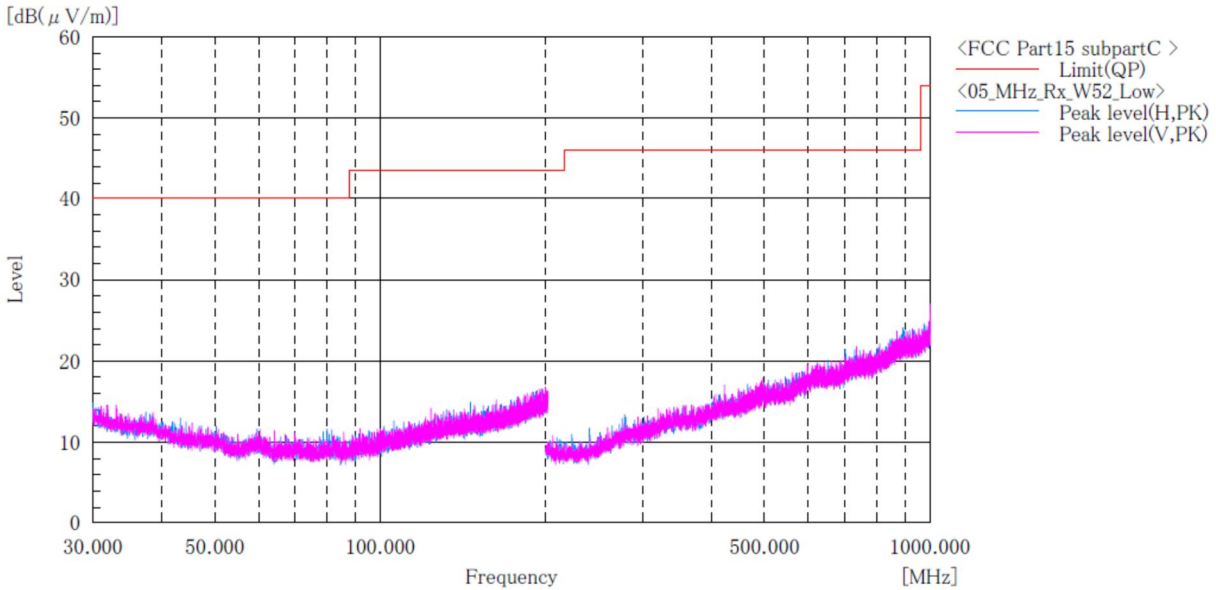
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**Receive mode**

**W52 / Channel Low  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:36_5180MHz
Test mode	: 5GHz_W52_Rx_Low	Note2	:



**Final Result**

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

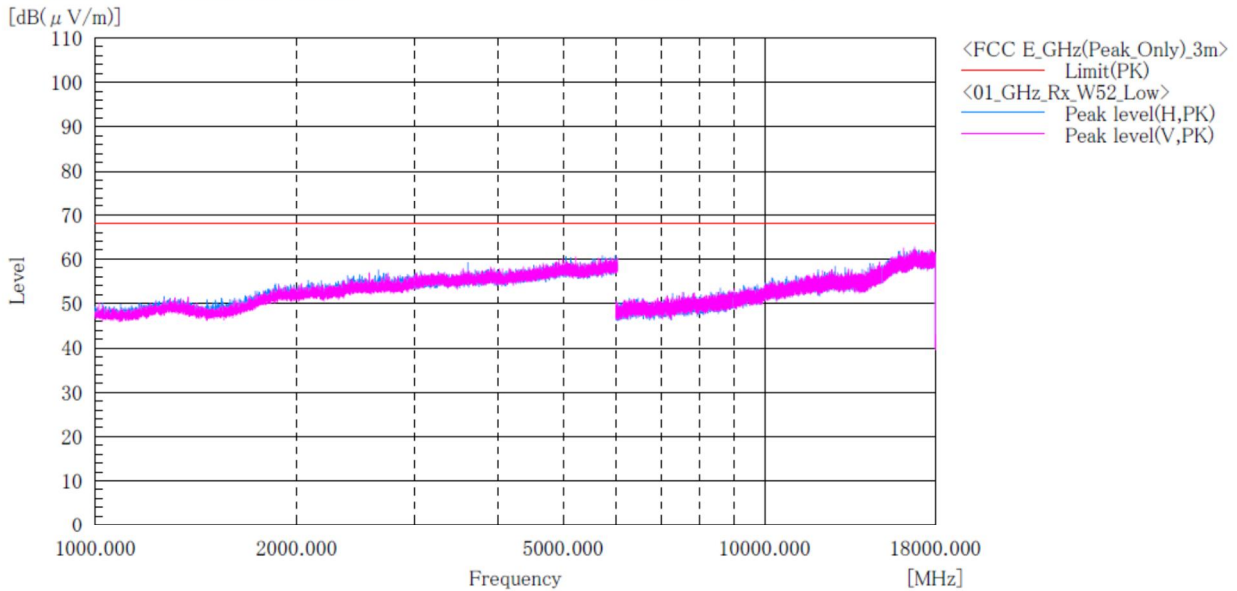
**Note:**

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



**W52 / Channel Low  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.8[°C] 19.0[%]
Serial No.	: N/A	Note1	: ch:36_5180MHz
Test mode	: 5GHz_W52_Rx_Low	Note2	:



Final Result

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

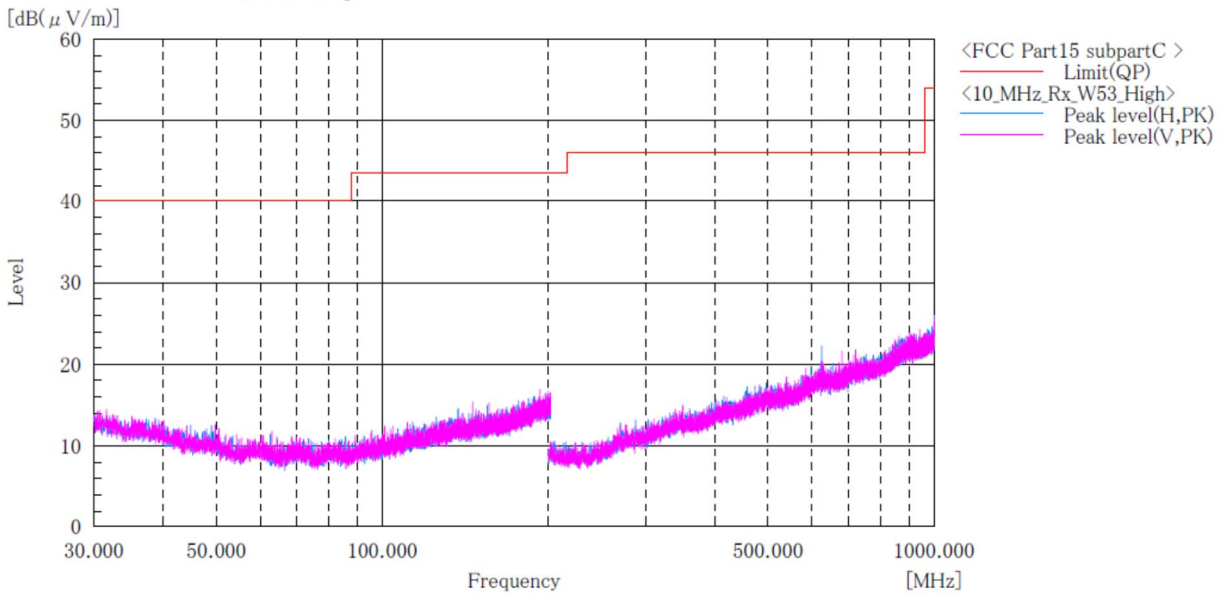
Note:

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



**W53 / Channel High  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:64_5320MHz
Test mode	: 5GHz_W53_Rx_High	Note2	:



Final Result

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

Note:

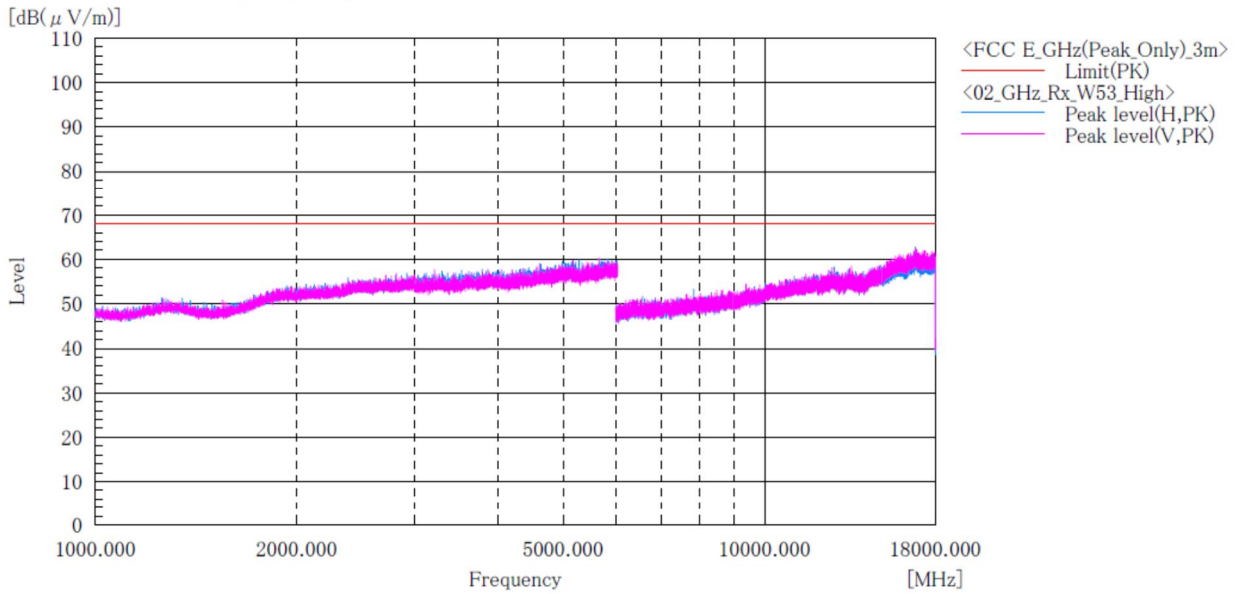
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



**W53 / Channel High  
ABOVE 1GHz**

Company name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1065  
 Serial No. : N/A  
 Test mode : 5GHz\_W53\_Rx\_High

Standard : FCC Part.15 subpart E  
 Operator : T.Seino  
 Temp,Hum,Atm : 21.8[°C] 19.0[%]  
 Note1 : ch:64\_5320MHz  
 Note2 :



**Final Result**

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

**Note:**

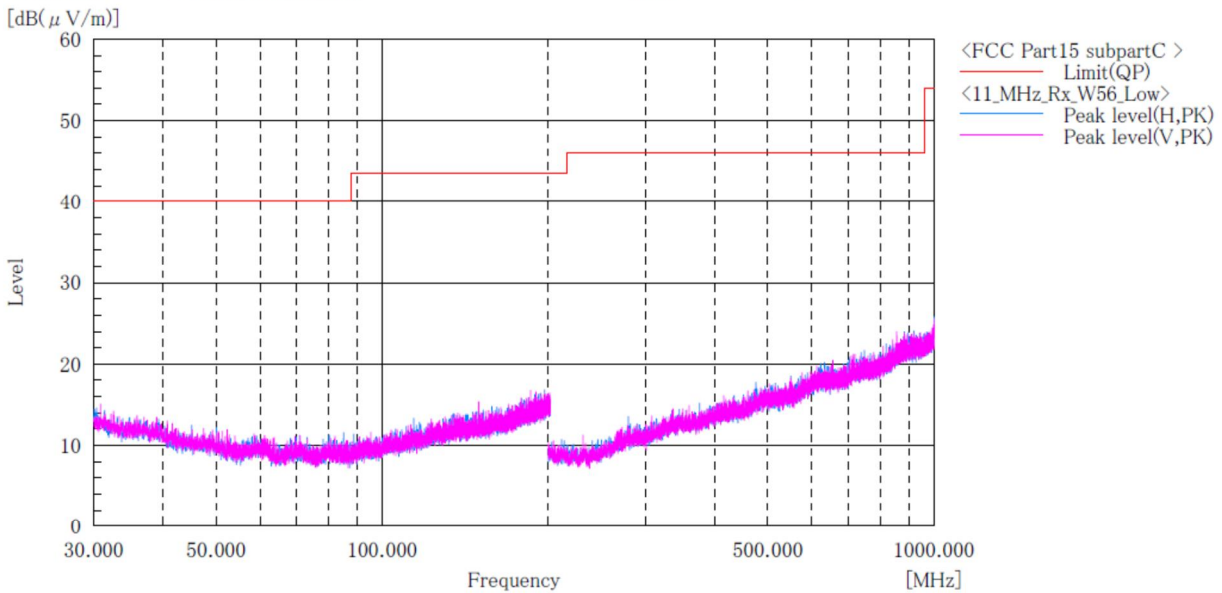
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.





**W56 / Channel Low  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:100_5500MHz
Test mode	: 5GHz_W56_Rx_Low	Note2	:



Final Result

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

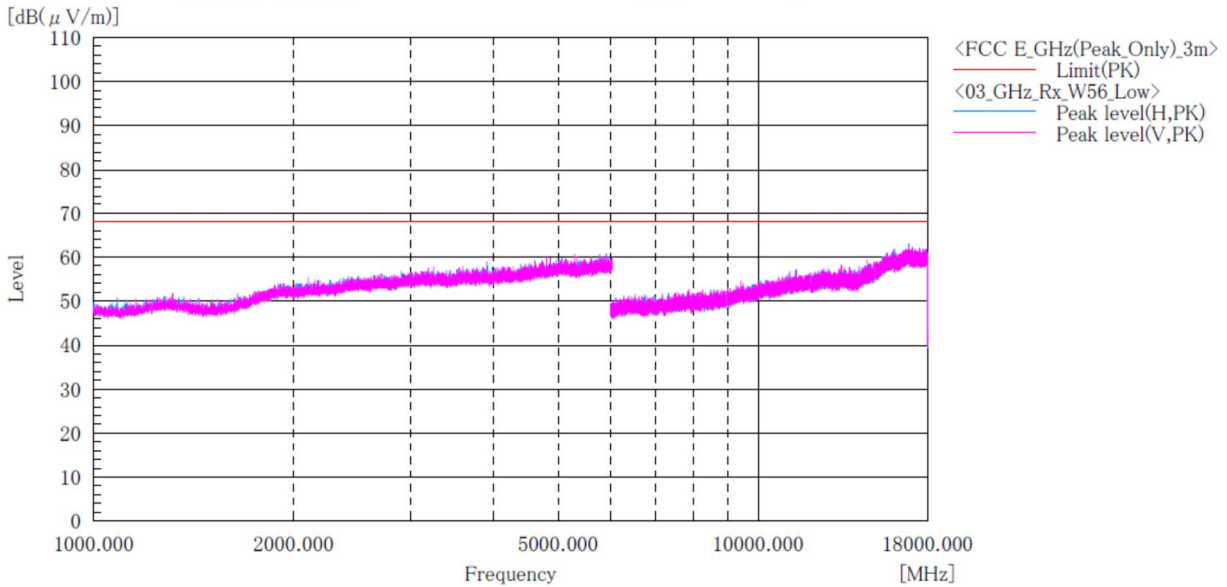
Note:

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



**W56 / Channel Low  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.8[°C] 19.0[%]
Serial No.	: N/A	Note1	: ch:100_5500MHz
Test mode	: 5GHz_W56_Rx_Low	Note2	:



Final Result

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

Note:

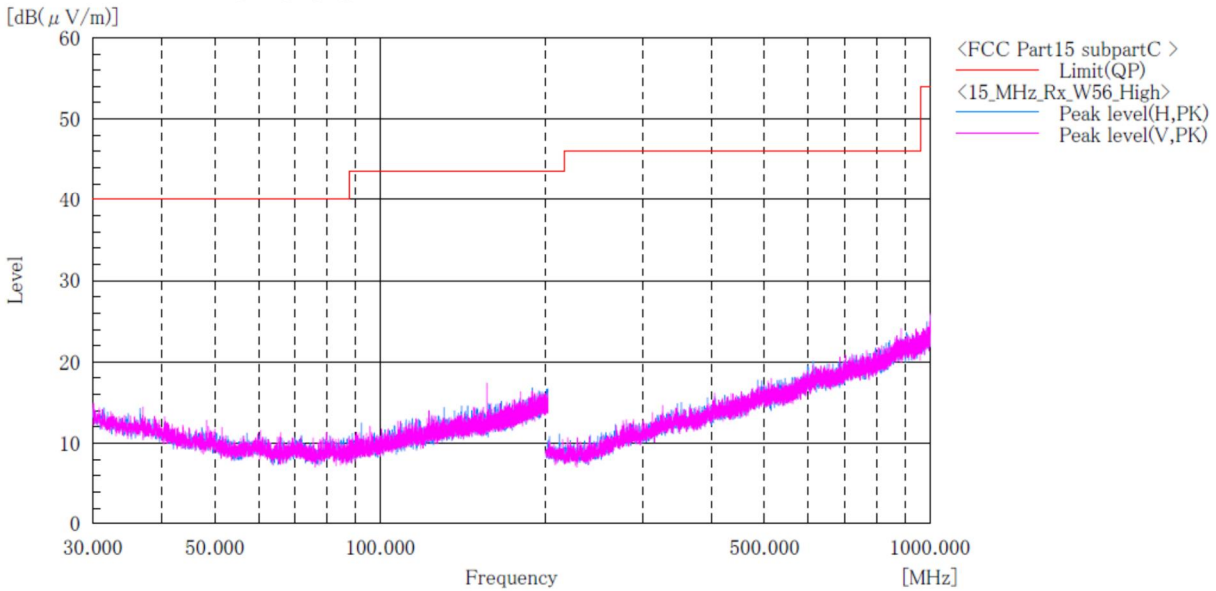
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



Japan

**W56 / Channel High  
BELOW 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpartE
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.6[°C] 21.3[%]
Serial No.	: N/A	Note1	: Ch:144_5720MHz
Test mode	: 5GHz_W56_Rx_High	Note2	:



Final Result

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

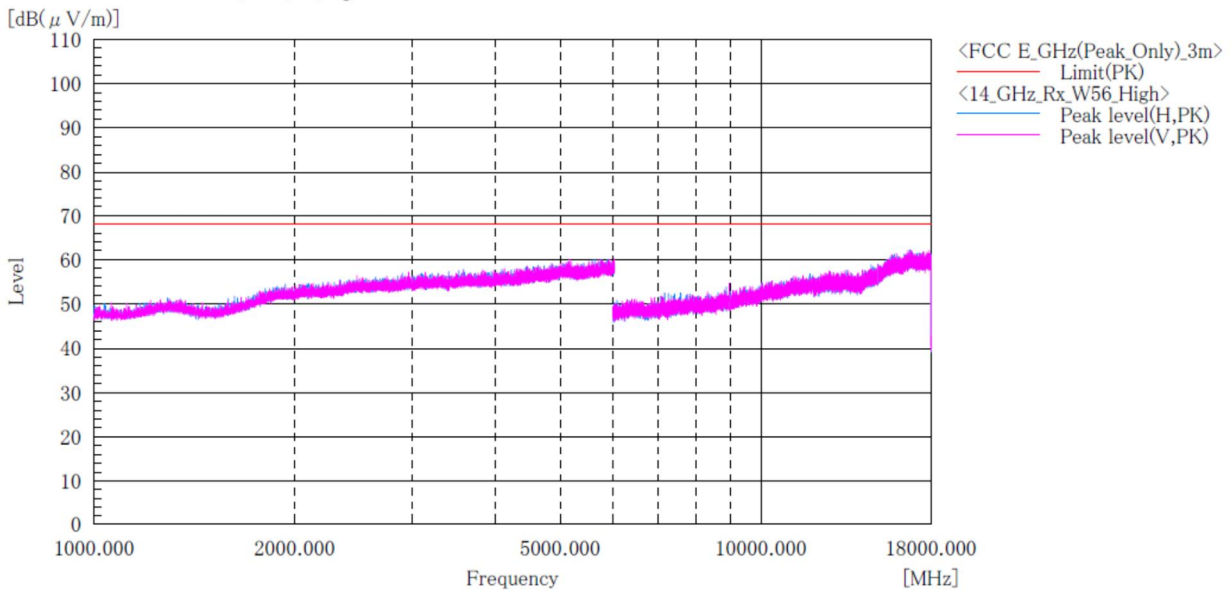
Note:

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



**W56 / Channel High  
ABOVE 1GHz**

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Mobile Phone	Operator	: T.Seino
Model No.	: EB1065	Temp,Hum,Atm	: 21.8[°C] 19.0[%]
Serial No.	: N/A	Note1	: ch:144_5720MHz
Test mode	: 5GHz_W56_Rx_High	Note2	:



Final Result

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

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable - Amp)]
2. No emission were detected in frequency range 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 an constant temperature chamber as the temperature in the chamber was varied between  $-30^{\circ}\text{C}$  and  $+60^{\circ}\text{C}$ . The temperature was incremented by  $10^{\circ}\text{C}$  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.

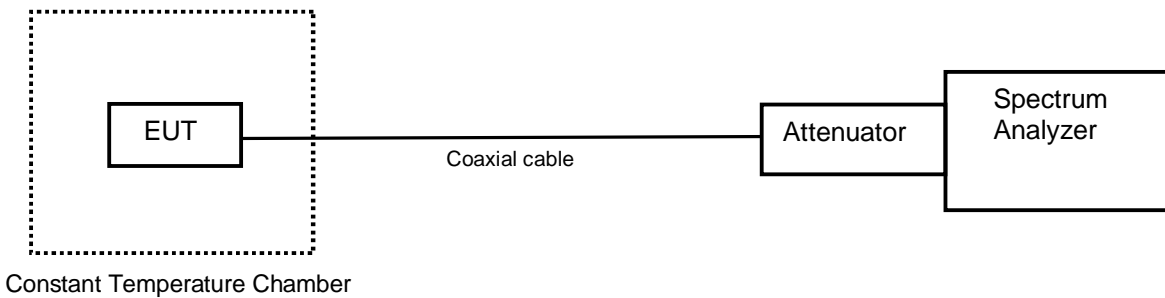
The EUT was set to operate with following conditions.

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

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.



### 4.5.3 Measurement result

Date : 7-January-2021  
Temperature : 22.8 [°C]  
Humidity : 28.1 [%]  
Test place : Shielded room No.4

Test engineer : Taiki Watanabe

Date : 8-January-2021  
Temperature : 21.8 [°C]  
Humidity : 23.6 [%]  
Test place : Shielded room No.4

Test engineer : Taiki Watanabe

Date : 12-January-2021  
Temperature : 22.1 [°C]  
Humidity : 26.1 [%]  
Test place : Shielded room No.4

Test engineer : Taiki Watanabe



[Channel: 36 (5180 MHz)]

**ANT3**

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]
3.85	25(Ref.)	5180010411	0.00000000	5180005103	-1.02470837	5180027250	3.25076567	5179999634	-2.08049775
	60	5179975250	-6.78782420	5180008911	-0.28957471	5180002113	-1.60192728	5179968290	-8.13145084
	50	5179995252	-2.92644199	5179998268	-2.34420378	5179989142	-4.10597630	5179984176	-5.06466164
	40	5179992476	-3.46234825	5179985035	-4.89883185	5180027169	3.23512863	5179994699	-3.03319854
	30	5180029841	3.75095771	5180022042	2.24536228	5180021414	2.12412700	5180013414	0.57972856
	20	5180015290	0.94189000	5180054241	8.46137296	5180037504	5.23029837	5180030210	3.82219309
	10	5180029257	3.63821663	5180048510	7.35500452	5180029778	3.73879557	5180030602	3.89786861
	0	5180013619	0.61930377	5180028972	3.58319743	5180055230	8.65229921	5180046614	6.98898209
	-10	5180043269	6.34323049	5180041432	5.98859800	5180034844	4.71678589	5180056806	8.95654571
	-20	5180023000	2.43030400	5180049400	7.52681885	5180025500	2.91292851	5180041513	6.00423504
-30	5180011689	0.24671765	5180005989	-0.85366624	5179998802	-2.24111519	5180016370	1.15038379	
3.27	25	5179993977	-3.17258050	5180006366	-0.78088646	5179983785	-5.14014411	5179985164	-4.87392843
4.43	25	5179962926	-9.16696999	5180024432	2.70675132	5179999813	-2.04594183	5180002321	-1.56177292

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

**ANT5**

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]
3.85	25(Ref.)	5179996545	0.00000000	5180029733	6.40695408	5180037508	7.90792033	5180006262	1.87586998
	60	5179999993	0.66562515	5179976841	-3.80386354	5180012707	3.12007930	5179954025	-8.20849968
	50	5179987222	-1.79980815	5180018731	4.28301444	5180004855	1.60424817	5179998846	0.44420879
	40	5179990210	-1.22297379	5179997845	0.25096542	5180009206	2.44421012	5179989493	-1.36139087
	30	5180004973	1.62702811	5180020395	4.60425018	5180014357	3.43861233	5180007579	2.13011725
	20	5180032444	6.93031350	5180020918	4.70521549	5180017542	4.05347761	5180040463	8.47838403
	10	5180033696	7.17201251	5180026725	5.82625871	5180026006	5.68745553	5180030591	6.57259126
	0	5180036128	7.64151089	5180032567	6.95405869	5180029466	6.35540964	5180040967	8.57568140
	-10	5180031176	6.68552569	5180038876	8.17201317	5180037540	7.91409794	5180039564	8.30483179
	-20	5180009445	2.49034915	5180024777	5.45019669	5180020129	4.55289879	5180030941	6.64015887
-30	5179999585	0.58687298	5179992103	-0.85752953	5179984780	-2.27123704	5179971670	-4.80212676	
3.27	25	5179976858	-3.80058169	5179999256	0.52335942	5179962319	-6.60734031	5179984127	-2.39729890
4.43	25	5179976215	-3.92471304	5180081014	16.30676763	5179983364	-2.54459629	5179995556	-0.19092677

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



[Channel: 64 (5320 MHz)]

**ANT3**

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]
3.85	25(Ref.)	5319996517	0.00000000	5320018171	4.07030342	5320029910	6.27688381	5320025123	5.37707119
	60	5319999624	0.58402294	5319951655	-8.43271229	5319996967	0.08458652	5319995508	-0.18966178
	50	5319996482	-0.00657895	5320012819	3.06428772	5319995894	-0.11710534	5320011982	2.90695679
	40	5319976245	-3.81052881	5319993877	-0.49624093	5320008314	2.21748265	5320002766	1.17462483
	30	5320021296	4.65770982	5320025473	5.44286071	5320009012	2.34868575	5320007260	2.01936222
	20	5320037672	7.73590732	5320014832	3.44267143	5320032486	6.76109465	5320003022	1.22274516
	10	5320008492	2.25094132	5320042094	8.56711087	5320046090	9.31823918	5320029701	6.23759807
	0	5320033824	7.01259858	5320048461	9.76391617	5320007762	2.11372319	5320037550	7.71297497
	-10	5320035043	7.24173406	5320036732	7.55921548	5320037233	7.65338847	5320026387	5.61466533
	-20	5320033247	6.90413986	5320015689	3.60376176	5320018879	4.20338621	5320014290	3.34079166
	-30	5320001708	0.97575252	5319977166	-3.63740840	5320011923	2.89586656	5319995143	-0.25827085
3.27	25	5319966595	-5.62443977	5319979617	-3.17669381	5319988724	-1.46485058	5319974804	-4.08139365
4.43	25	5320018571	4.14549144	5320064144	12.71185043	5320000234	0.69868467	5320206770	39.52126648

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

**ANT5**

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]
3.85	25(Ref.)	5320019097	0.00000000	5320028292	1.72837725	5320007796	-2.12424049	5320025078	1.12424408
	60	5319991526	-5.18250019	5320009579	-1.78909132	5320026142	1.32424337	5319956404	-11.78435619
	50	5320003151	-2.99735766	5320004557	-2.73307290	5320008267	-2.03570698	5319994988	-4.53175065
	40	5320017776	-0.24830738	5319973587	-8.55448057	5320000956	-3.40995017	5319998305	-3.90825665
	30	5320013039	-1.13871772	5320009776	-1.75206138	5319982496	-6.87986252	5319991725	-5.14509431
	20	5320029524	1.95995537	5320004176	-2.80468918	5320035853	3.14961275	5320003008	-3.02423726
	10	5320046790	5.20543244	5320026390	1.37085974	5320020373	0.23984876	5320028264	1.72311412
	0	5320053608	6.48700679	5320035223	3.03119213	5320044478	4.77084754	5320035532	3.08927462
	-10	5320035694	3.11972564	5320025237	1.15413120	5320040565	4.03532386	5320018630	-0.08778164
	-20	5320013606	-1.03213915	5320017044	-0.38590087	5320042563	4.41088642	5320036114	3.19867273
	-30	5320013832	-0.98965810	5320007434	-2.19228536	5320000907	-3.41916066	5320013023	-1.14172522
3.27	25	5319992591	-4.98231294	5320023648	0.85544806	5320013005	-1.14510867	5319971755	-8.89884024
4.43	25	5319972644	-8.73173557	5320000378	-3.51859639	5319985083	-6.39358607	5319990563	-5.36351458

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





[Channel: 144 (5720 MHz)]

**ANT3**

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]
3.85	25(Ref.)	5700031172	0.00000000	5700033643	0.43350640	5700006415	-4.34330958	5700012496	-3.27647331
	60	5699995813	-6.20329941	5699979002	-9.15258153	5700009456	-3.80980373	5700015957	-2.66928365
	50	5699997655	-5.88014328	5700013876	-3.03436937	5699996451	-6.09137020	5700011050	-3.53015613
	40	5700004011	-4.76506166	5700009973	-3.71910247	5700008811	-3.92296100	5700025180	-1.05122232
	30	5700016691	-2.54051242	5700029218	-0.34280514	5700034823	0.64052281	5700030526	-0.11333271
	20	5700018976	-2.13963742	5700018041	-2.30367161	5700044682	2.37016248	5700027553	-0.63490881
	10	5700051816	3.62173458	5700019775	-1.99946275	5700068184	6.49329782	5700032076	0.15859562
	0	5700048885	3.10752687	5700043210	2.11191827	5700036262	0.89297757	5700057567	4.63067643
	-10	5700040373	1.61420170	5700061281	5.28225181	5700033901	0.47876931	5700049622	3.23682440
	-20	5700024413	-1.18578299	5700028097	-0.53947073	5700027770	-0.59683884	5700052165	3.68296231
-30	5700014748	-2.88138775	5700025630	-0.97227538	5699977127	-9.48152710	5700010620	-3.60559432	
3.27	25	5700010085	-3.69945345	5700043301	2.12788310	5700069686	6.75680515	5699984379	-8.20925335
4.43	25	5699996583	-6.06821243	5700015545	-2.74156395	5699976392	-9.61047376	5700022132	-1.58595624

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

**ANT5**

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]
3.85	25(Ref.)	5700011788	0.00000000	5700005214	-1.15333095	5700031195	3.40472980	5700016639	0.85105087
	60	5699964155	-8.35664938	5699995898	-2.78771353	5700026742	2.62350335	5700024967	2.31210048
	50	5700008230	-0.62420924	5700002278	-1.66841760	5700002543	-1.62192647	5700013607	0.31912215
	40	5699988293	-4.12192130	5699989555	-3.90051825	5700014320	0.44420961	5700011976	0.03298239
	30	5699991885	-3.49174716	5700022887	1.94718896	5700017385	0.98192779	5700016590	0.84245440
	20	5700025955	2.48543346	5700015979	0.73526164	5700035821	4.21630707	5700012840	0.18456102
	10	5700009554	-0.39192901	5700025842	2.46560894	5700022301	1.84438215	5700025132	2.34104779
	0	5700043965	5.64507604	5700044483	5.73595305	5700037281	4.47244689	5700031644	3.48350157
	-10	5700025346	2.37859157	5700049410	6.60033723	5700062727	8.93664819	5700031136	3.39437895
	-20	5700047051	6.18647843	5700038188	4.63156937	5700025505	2.40648625	5700035249	4.11595640
-30	5700000301	-2.01525899	5700000645	-1.95490824	5700013217	0.25070124	5700024700	2.26525847	
3.27	25	5699982283	-5.17630508	5699996584	-2.66736290	5699966053	-8.02366762	5699976981	-6.10647860
4.43	25	5700007377	-0.77385805	5700023980	2.13894294	5700034261	3.94262343	5699962788	-8.59647345

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.

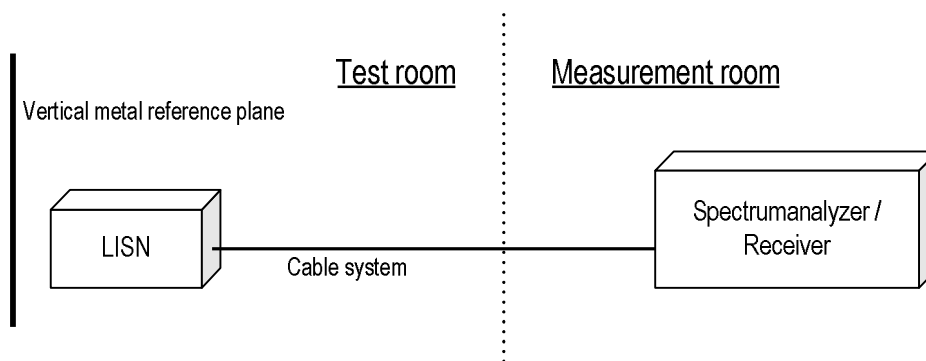
Test method	:	ANSI C63.10
Frequency range	:	0.15 MHz to 30 MHz
Test place	:	3m Semi-anechoic chamber
EUT was placed on	:	FRP table / (W) 2.0 × (D) 1.0 × (H) 0.8 m
Vertical Metal Reference Plane	:	(W) 2.0 × (H) 2.0 m, 0.4 m away from EUT
Test receiver setting		
- Detector	:	Quasi-peak, Average
- Bandwidth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

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

LISN for peripheral is terminated in 50Ω.

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

- Test configuration



### 4.6.2 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 Transmission mode

Modulation Type	Mode
IEEE802.11a	Simultaneous transmission (ANT3 + ANT5)



4.6.5 Test data

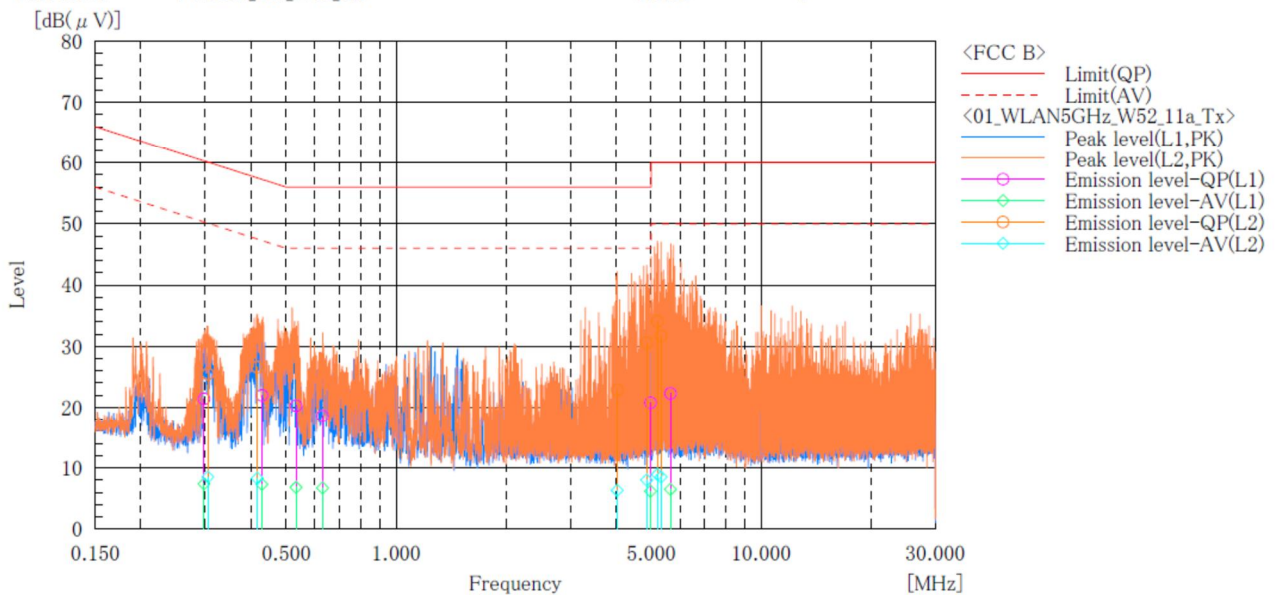
Date : 17-December-2020  
 Temperature : 22.2 [°C]  
 Humidity : 37.6 [%]  
 Test place : 3m Semi-anechoic chamber

Test engineer : Chiaki Kanno

W52

Company Name : KYOCERA Corporation  
 EUT : Mobile Phone  
 Model No. : EB1065  
 Serial No. : N/A  
 Test mode : WLAN\_11a\_W52\_Tx

Standard : FCC Part.15 Subpart C  
 Operator : C.Kanno  
 Temp,Hum,Atm : 22.2[°C] 37.6[%]  
 Note1 :  
 Note2 :



Final Result

--- L1 Phase ---

No.	Frequency [MHz]	Reading		c. f [dB]	Result		Limit		Margin	
		QP [dB(μV)]	AV [dB(μV)]		QP [dB(μV)]	AV [dB(μV)]	QP [dB(μV)]	AV [dB(μV)]	QP [dB]	AV [dB]
1	0.298	11.2	-2.8	10.2	21.4	7.4	60.3	50.3	38.9	42.9
2	0.429	11.7	-3.0	10.3	22.0	7.3	57.3	47.3	35.3	40.0
3	0.532	10.0	-3.5	10.3	20.3	6.8	56.0	46.0	35.7	39.2
4	0.629	8.3	-3.6	10.3	18.6	6.7	56.0	46.0	37.4	39.3
5	4.976	10.3	-4.3	10.5	20.8	6.2	56.0	46.0	35.2	39.8
6	5.643	11.8	-4.0	10.5	22.3	6.5	60.0	50.0	37.7	43.5

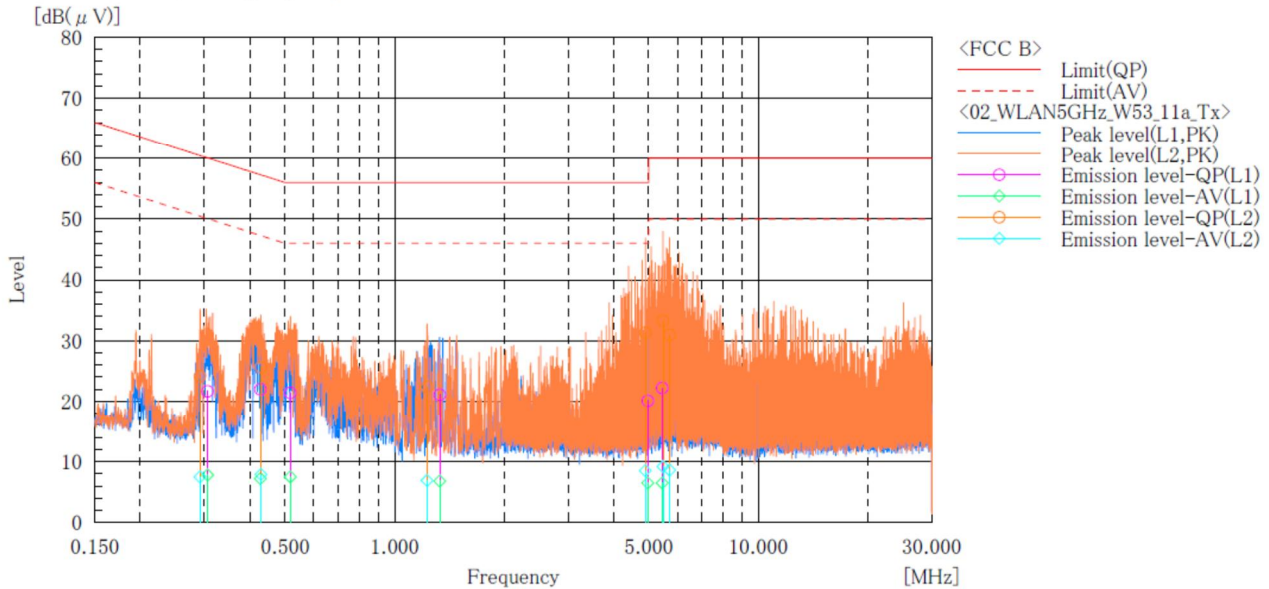
--- L2 Phase ---

No.	Frequency [MHz]	Reading		c. f [dB]	Result		Limit		Margin	
		QP [dB(μV)]	AV [dB(μV)]		QP [dB(μV)]	AV [dB(μV)]	QP [dB(μV)]	AV [dB(μV)]	QP [dB]	AV [dB]
1	0.305	15.2	-1.8	10.3	25.5	8.5	60.1	50.1	34.6	41.6
2	0.417	16.3	-2.0	10.3	26.6	8.3	57.5	47.5	30.9	39.2
3	4.037	12.5	-4.1	10.4	22.9	6.3	56.0	46.0	33.1	39.7
4	4.863	20.1	-2.5	10.5	30.6	8.0	56.0	46.0	25.4	38.0
5	5.198	23.6	-1.6	10.5	34.1	8.9	60.0	50.0	25.9	41.1
6	5.326	21.2	-2.0	10.5	31.7	8.5	60.0	50.0	28.3	41.5



**W53**

Company Name : KYOCERA Corporation	Standard : FCC Part.15 Subpart C
EUT : Mobile Phone	Operator : C.Kanno
Model No. : EB1065	Temp,Hum,Atm : 22.2[°C] 37.6[%]
Serial No. : N/A	Note1 :
Test mode : WLAN_11a_W53_Tx	Note2 :



**Final Result**

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.306	11.4	-2.5	10.3	21.7	7.8	60.1	50.1	38.4	42.3
2	0.428	11.7	-3.1	10.3	22.0	7.2	57.3	47.3	35.3	40.1
3	0.517	11.1	-2.8	10.3	21.4	7.5	56.0	46.0	34.6	38.5
4	1.331	10.8	-3.5	10.3	21.1	6.8	56.0	46.0	34.9	39.2
5	4.972	9.6	-4.0	10.5	20.1	6.5	56.0	46.0	35.9	39.5
6	5.443	11.7	-4.0	10.5	22.2	6.5	60.0	50.0	37.8	43.5

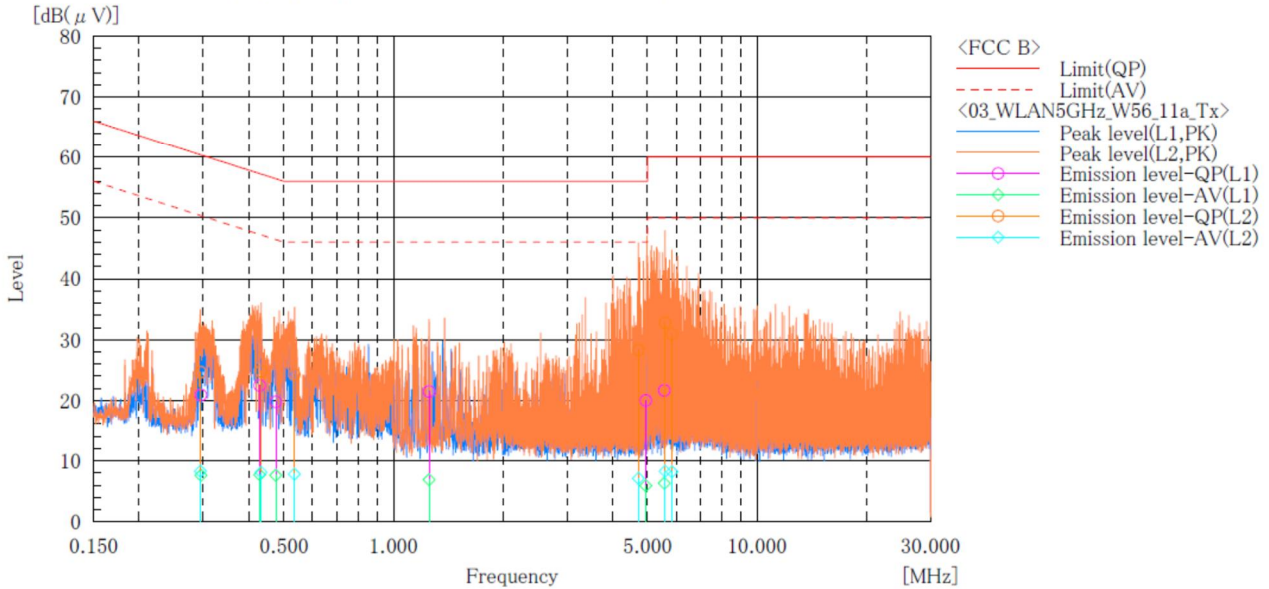
--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.292	14.0	-2.7	10.2	24.2	7.5	60.5	50.5	36.3	43.0
2	0.429	15.3	-2.4	10.3	25.6	7.9	57.3	47.3	31.7	39.4
3	1.229	12.1	-3.4	10.3	22.4	6.9	56.0	46.0	33.6	39.1
4	4.892	20.8	-2.0	10.5	31.3	8.5	56.0	46.0	24.7	37.5
5	5.477	22.8	-1.3	10.5	33.3	9.2	60.0	50.0	26.7	40.8
6	5.705	20.5	-1.9	10.5	31.0	8.6	60.0	50.0	29.0	41.4



**W56**

Company Name	: KYOCERA Corporation	Standard	: FCC Part.15 Subpart C
EUT	: Mobile Phone	Operator	: C.Kanno
Model No.	: EB1065	Temp,Hum,Atm	: 22.2[°C] 37.6[%]
Serial No.	: N/A	Note1	:
Test mode	: WLAN_11a_W56_Tx	Note2	:



**Final Result**

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.296	10.7	-2.6	10.2	20.9	7.6	60.4	50.4	39.5	42.8
2	0.429	12.2	-2.6	10.3	22.5	7.7	57.3	47.3	34.8	39.6
3	0.475	9.5	-2.7	10.3	19.8	7.6	56.4	46.4	36.6	38.8
4	1.254	11.2	-3.4	10.3	21.5	6.9	56.0	46.0	34.5	39.1
5	4.946	9.5	-4.6	10.5	20.0	5.9	56.0	46.0	36.0	40.1
6	5.564	11.2	-4.2	10.5	21.7	6.3	60.0	50.0	38.3	43.7

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c. f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.295	14.5	-1.9	10.2	24.7	8.3	60.4	50.4	35.7	42.1
2	0.433	14.5	-2.2	10.3	24.8	8.1	57.2	47.2	32.4	39.1
3	0.534	14.0	-2.5	10.3	24.3	7.8	56.0	46.0	31.7	38.2
4	4.719	17.8	-3.4	10.5	28.3	7.1	56.0	46.0	27.7	38.9
5	5.587	22.3	-2.2	10.5	32.8	8.3	60.0	50.0	27.2	41.7
6	5.830	20.4	-2.3	10.5	30.9	8.2	60.0	50.0	29.1	41.8

#### 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

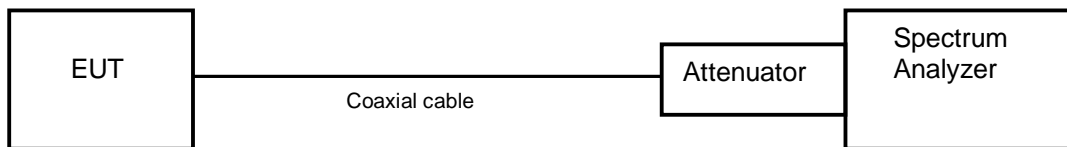
The EUT was set to operate with following conditions.

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

The test mode of EUT is as follows.

- Tx mode

- Test configuration



##### 4.7.2 Limit

None

##### 4.7.3 Measurement result

Date : 15-December-2020  
 Temperature : 21.9 [°C]  
 Humidity : 28.5 [%]  
 Test place : Shielded room No.4

Test engineer :

Taiki Watanabe



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	1.344	1.382	0.973	744.0	0.121	0.242
	40	5200						
	48	5240						
	52	5260	1.342	1.378	0.974	745.2	0.115	0.230
	56	5280						
	64	5320						
	100	5500	1.342	1.378	0.974	745.2	0.115	0.230
	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	1.258	1.294	0.972	794.9	0.123	0.245
	40	5200						
	48	5240						
	52	5260	1.258	1.296	0.971	794.9	0.129	0.258
	56	5280						
	64	5320						
	100	5500	1.256	1.294	0.971	796.2	0.129	0.259
	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	0.627	0.664	0.944	1594.9	0.249	0.498
	46	5230						
	54	5270	0.627	0.664	0.944	1594.9	0.249	0.498
	62	5310						
	102	5510	0.628	0.665	0.944	1592.4	0.249	0.497
	110	5550						
	134	5670						
	142	5710						

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

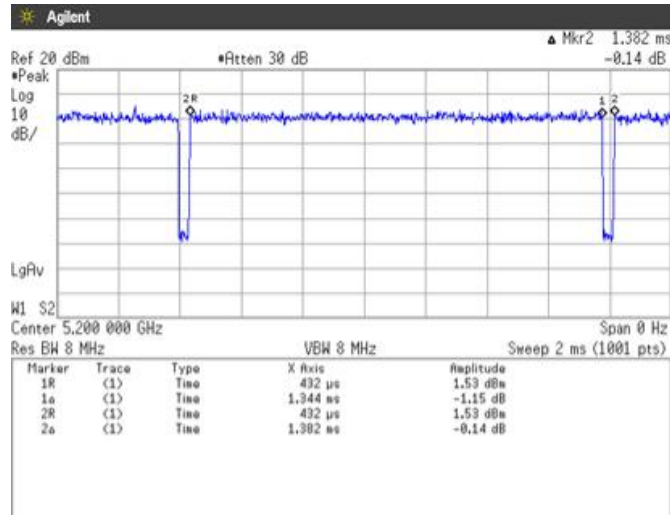
Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11ac (80MHz)	42	5210	0.315	0.352	0.895	3173.6	0.481	0.962
	58	5290	0.316	0.352	0.897	3168.6	0.474	0.948
	106	5530	0.316	0.352	0.897	3168.6	0.474	0.948
	122	5610	0.316	0.352	0.897	3168.6	0.474	0.948
	138	5690	0.316	0.352	0.897	3168.6	0.474	0.948

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

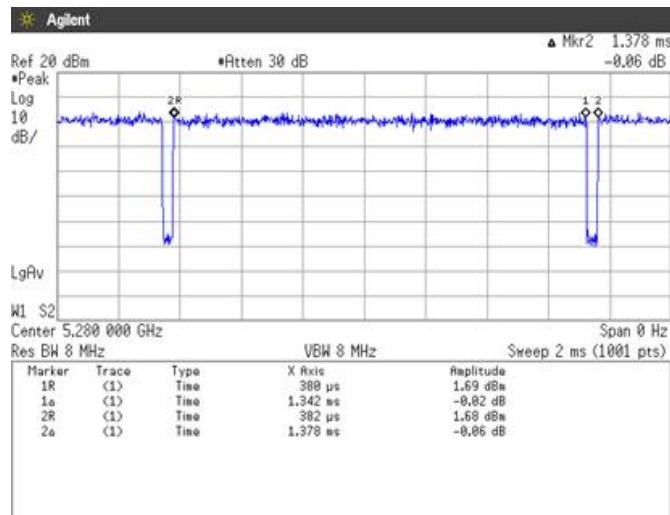
### 4.7.4 Trace data

[IEEE802.11a]

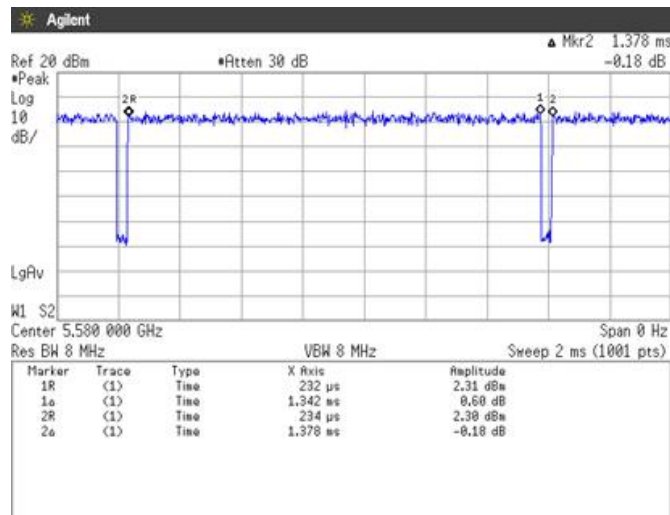
Channel: 40



Channel: 56

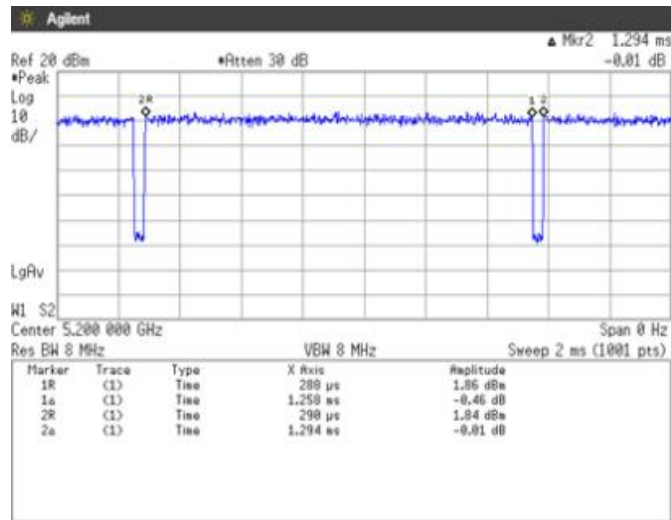


Channel: 116

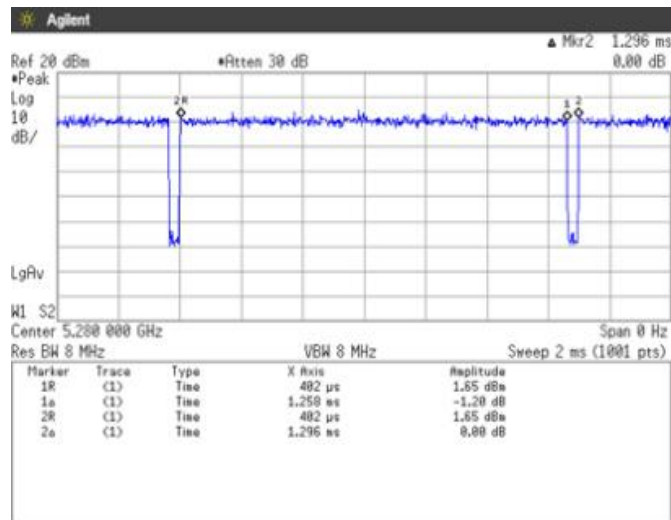


[IEEE802.11n (HT20)]

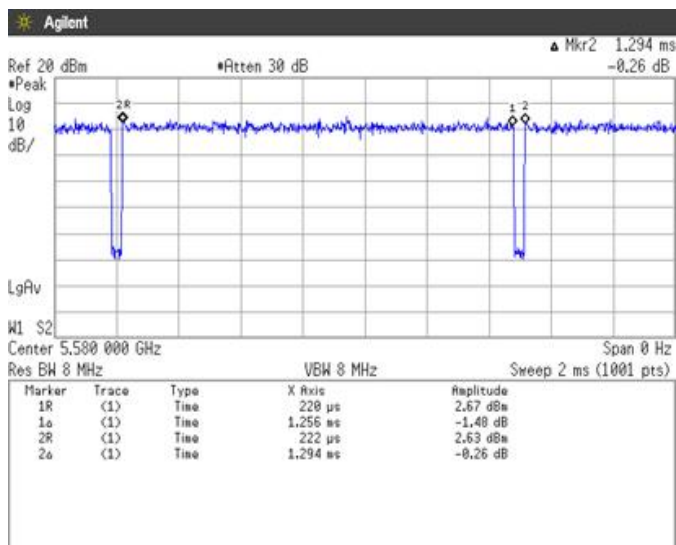
Channel: 40



Channel: 56

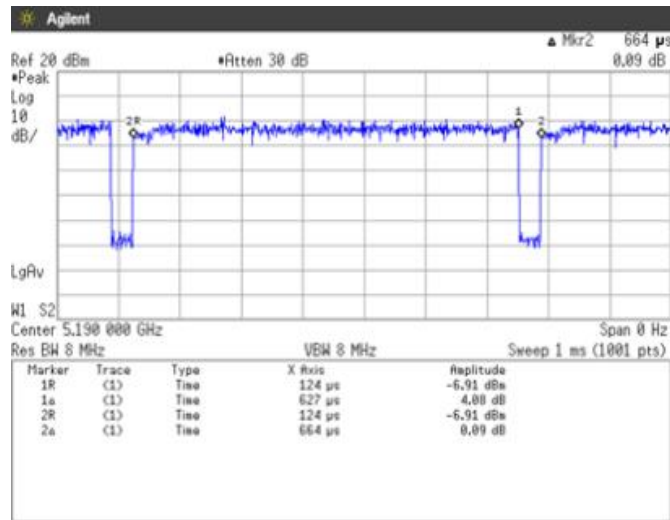


Channel: 116

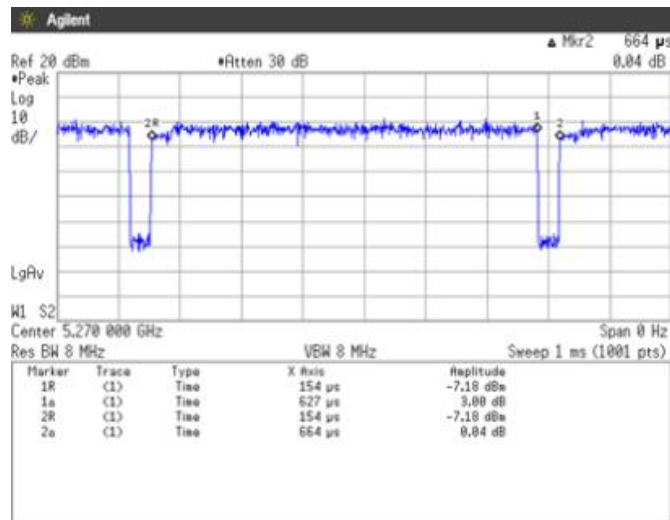


[IEEE802.11n (HT40)]

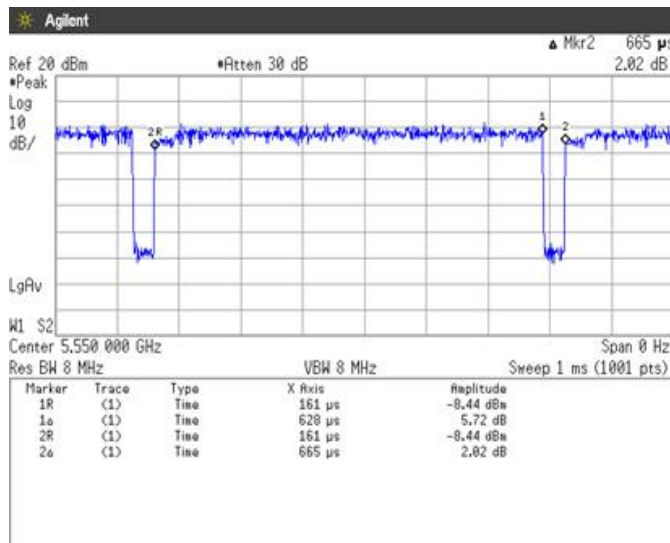
Channel: 38



Channel: 54

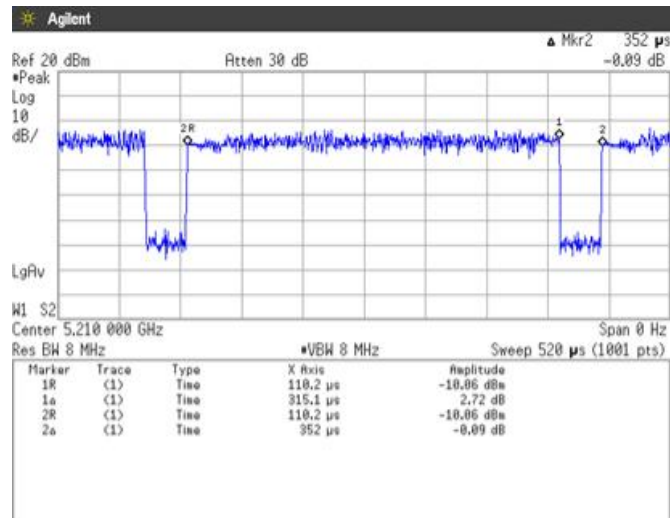


Channel: 110

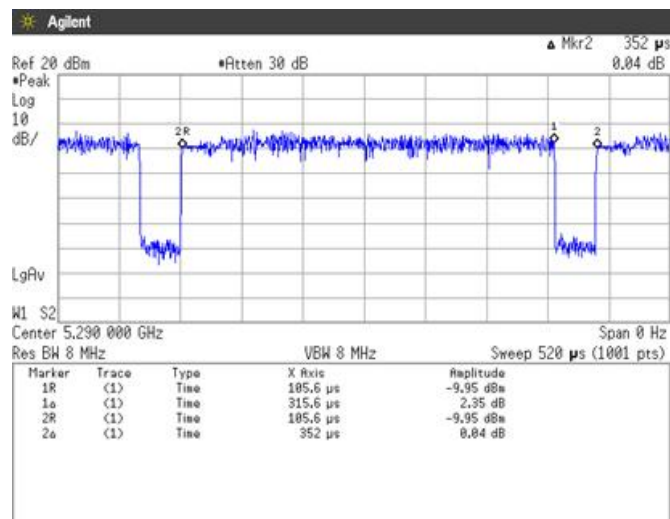


[IEEE802.11ac (HT80)]

Channel: 42

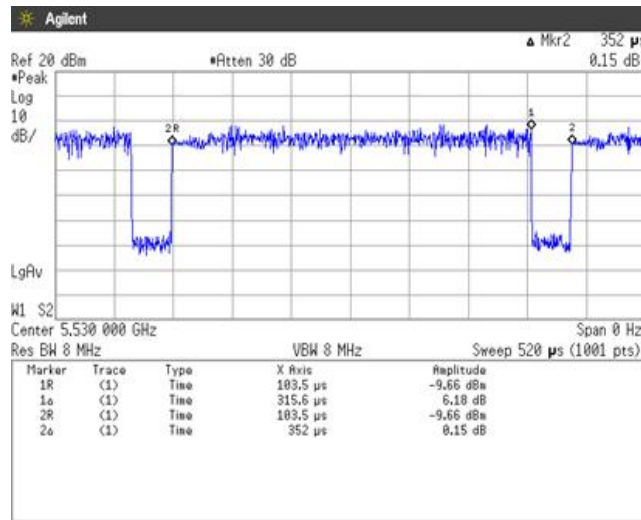


Channel: 58

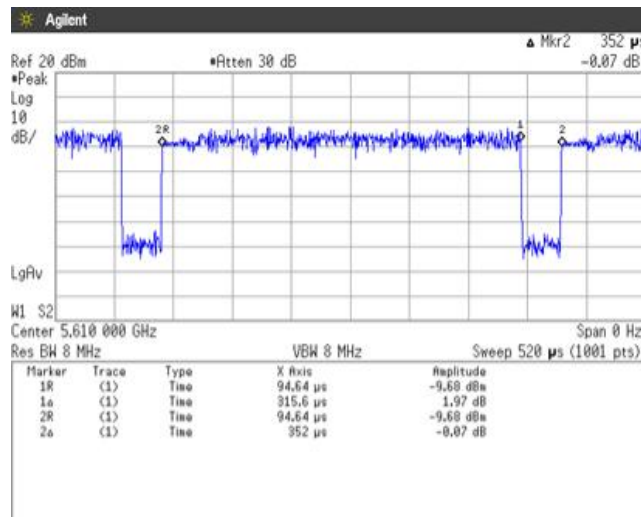


[IEEE802.11ac (HT80)]

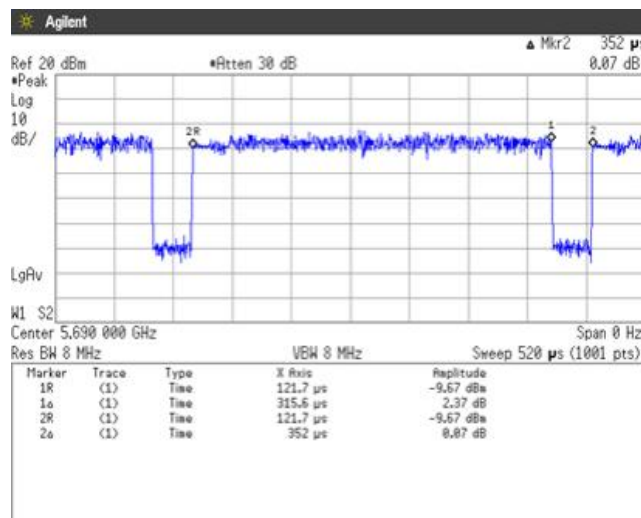
Channel: 106



Channel: 122



Channel: 138





Japan

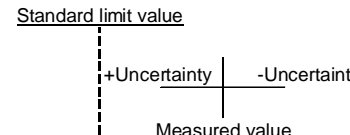

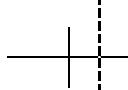
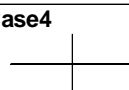
## 5 Antenna requirement

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 ( 9kHz – 30 MHz)	±3.7 dB
Radiated emission (30 MHz – 1000 MHz)	±5.3 dB
Radiated emission (1 GHz – 6 GHz)	±4.4 dB
Radiated emission (6 GHz – 18 GHz)	±4.7 dB
Radiated emission (18 GHz – 40 GHz)	±5.8 dB
Radio Frequency	±1.4 * 10 <sup>-8</sup>
RF power, conducted	±0.8 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	<p><b>Case1</b></p>  <p>Even if it takes uncertainty into consideration, a standard limit value is fulfilled.</p>
	<p><b>Case2</b></p>  <p>Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.</p>
FAIL	<p><b>Case3</b></p>  <p>Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.</p>
	<p><b>Case4</b></p>  <p>Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.</p>





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

Fax: +81-238-28-2888

### **Accreditation and Registration**

A2LA

Certificate #3686.03

VLAC

Accreditation No.: VLAC-013

BSMI

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

Innovation, Science and Economic Development Canada

ISED#: 4224A

VCCI Council

Registration number	Expiration date
A-0166	03-July-2021

## Appendix A. Test Equipment

### Antenna port conducted test

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
Spectrum analyzer	Agilent Technologies	E4440A	US40420937	31-Dec-2021	11-Dec-2020
Spectrum analyzer	Agilent Technologies	E4440A	US44302655	31-Aug-2021	20-Aug-2020
Spectrum analyzer	ROHDE&SCHWARZ	FSV40	101731	30-Jun-2021	22-Jun-2020
Attenuator	Weinschel	56-10	J4180	31-Jul-2021	21-Jul-2020
Power meter	ROHDE&SCHWARZ	NRP2	103269	31-Jul-2021	17-Jul-2020
Power sensor	ROHDE&SCHWARZ	NRP-Z81	102467	31-Jul-2021	17-Jul-2020

### Radiated emission

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2021	28-Sep-2020
Spectrum analyzer	Agilent Technologies	E4447A	MY46180188	31-Mar-2021	27-Mar-2020
Spectrum analyzer	Agilent Technologies	E4440A	US40420937	31-Dec-2021	11-Dec-2020
Spectrum analyzer	Agilent Technologies	E4440A	US44302655	31-Aug-2021	20-Aug-2020
Spectrum analyzer	ROHDE&SCHWARZ	FSV40	101731	30-Jun-2021	22-Jun-2020
Preamplifier	SONOMA	310	372170	30-Sep-2021	29-Sep-2020
Loop antenna	ROHDE&SCHWARZ	HFH2-Z2	100515	30-Apr-2021	15-Apr-2020
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1344	31-Dec-2020	04-Dec-2019
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1333	31-Dec-2021	15-Dec-2020
Log periodic antenna	Schwarzbeck	VUJSLP9111B	344	30-Apr-2021	17-Apr-2020
Attenuator	TAMAGAWA.ELEC	CFA-01NPJ-6	N/A(S275)	30-Jun-2021	04-Jun-2020
Attenuator	TAMAGAWA.ELEC	CFA-10/3dB	N/A(S503)	31-Jul-2021	20-Jul-2020
Attenuator	AEROFLEX	26A-10	081217-08	31-Jan-2021	10-Jan-2020
Double ridged guide antenna	ETS LINDGREN	3117	00052315	30-Apr-2021	08-Apr-2020
Attenuator	HUBER+SUHNER	6803.17.B	N/A(2341)	31-Dec-2020	18-Dec-2019
				31-Dec-2021	16-Dec-2020
Double ridged guide antenna	A.H.Systems Inc.	SAS-574	469	30-Sep-2021	02-Sep-2020
Preamplifier	TSJ	MLA-1840-B03-35	1240332	30-Sep-2021	02-Sep-2020
Band rejection filter	Micro-Tronics	BRC50716	006	31-Jul-2021	21-Jul-2020
Microwave cable	HUBER+SUHNER3R	SUCOFLEX104/9m	MY30037/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/1m	my24610/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/8m	SN MY30031/4	31-Jan-2021	09-Jan-2020
		SUCOFLEX104	MY32976/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/1.5m	MY19309/4	31-Jan-2021	08-Jan-2020
		SUCOFLEX104/7m	41625/6	31-Jan-2021	08-Jan-2020
PC	DELL	DIMENSION E521	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/RE-AJ	0611193/V5.6.0	N/A	N/A
Absorber	RIKEN	PPF30	N/A	N/A	N/A
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-NSA)	31-May-2021	29-May-2020
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-SVSWR)	31-May-2021	28-May-2020

**Conducted emission at mains port**

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2021	28-Sep-2020
Attenuator	HUBER+SUHNER	6810.01.A	N/A (S411)	31-Jan-2021	08-Jan-2020
Line impedance stabilization network	Kyoritsu Electrical Works, Ltd.	TNW-407F2	12-17-110-2	30-Jun-2021	03-Jun-2020
Coaxial cable	FUJIKURA	5D-2W/4m	N/A (S350)	31-Jan-2021	08-Jan-2020
Coaxial cable	FUJIKURA	5D-2W/1m	N/A (S193)	31-Jan-2021	08-Jan-2020
Coaxial cable	HUBER+SUHNER	RG214/U/10m	N/A (S194)	31-Jan-2021	08-Jan-2020
PC	DELL	DIMENSION	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/CE-AJ	0611193/V5.4.11	N/A	N/A

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