

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

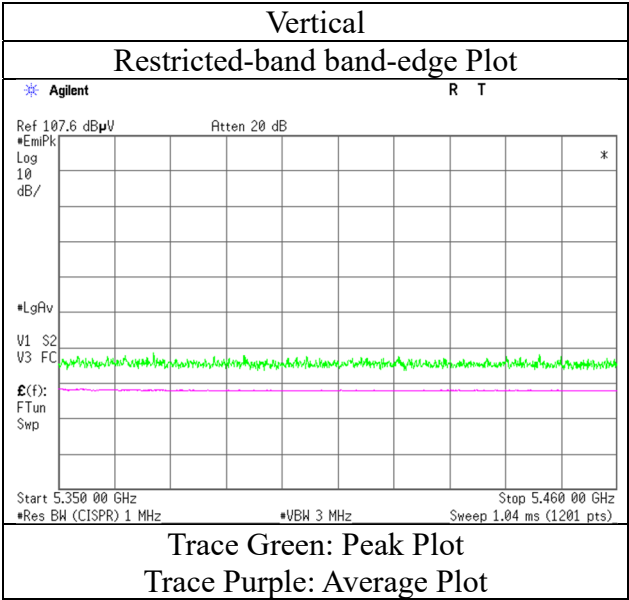
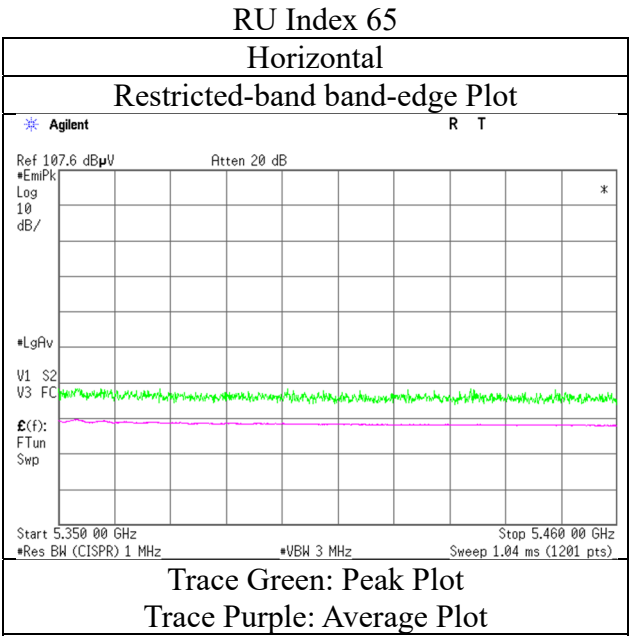
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5310 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 37 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (26-tone RU)

RU Index 0

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	41.0	32.1	31.9	6.2	31.7	0.3	47.5	38.8	68.2	53.9	20.7	15.1	*1)
Hori.	5470.0	41.3	-	31.9	6.2	31.7	-	47.8	-	68.2	-	20.4	-	
Vert.	5460.0	40.5	32.0	31.9	6.2	31.7	0.3	47.0	38.7	68.2	53.9	21.2	15.2	*1)
Vert.	5470.0	40.4	-	31.9	6.2	31.7	-	46.9	-	68.2	-	21.3	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

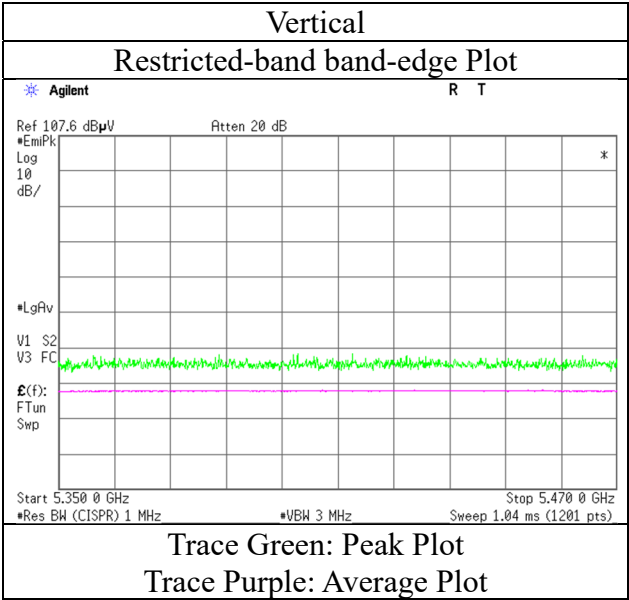
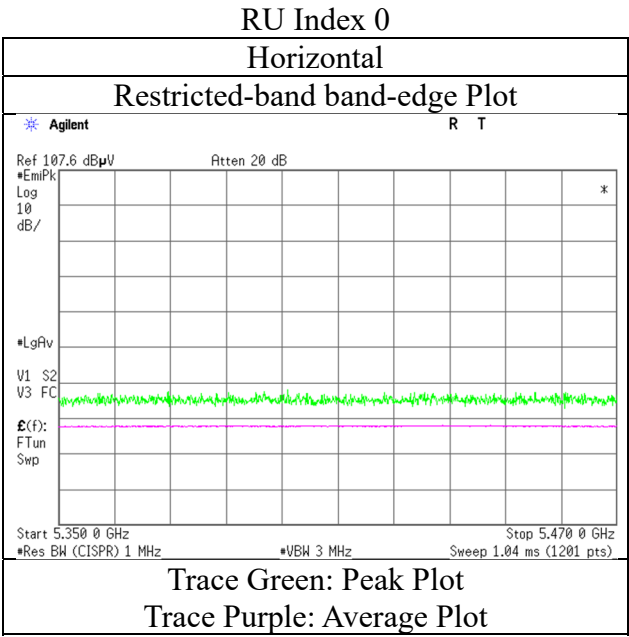
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5510 MHz (26-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 37 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (52-tone RU)

RU Index 37

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	40.9	32.1	31.9	6.2	31.7	0.3	47.4	38.7	68.2	53.9	20.8	15.2	*1)
Hori.	5470.0	40.9	-	31.9	6.2	31.7	-	47.3	-	68.2	-	20.9	-	
Vert.	5460.0	40.3	32.0	31.9	6.2	31.7	0.3	46.7	38.7	68.2	53.9	21.5	15.2	*1)
Vert.	5470.0	41.5	-	31.9	6.2	31.7	-	47.9	-	68.2	-	20.3	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

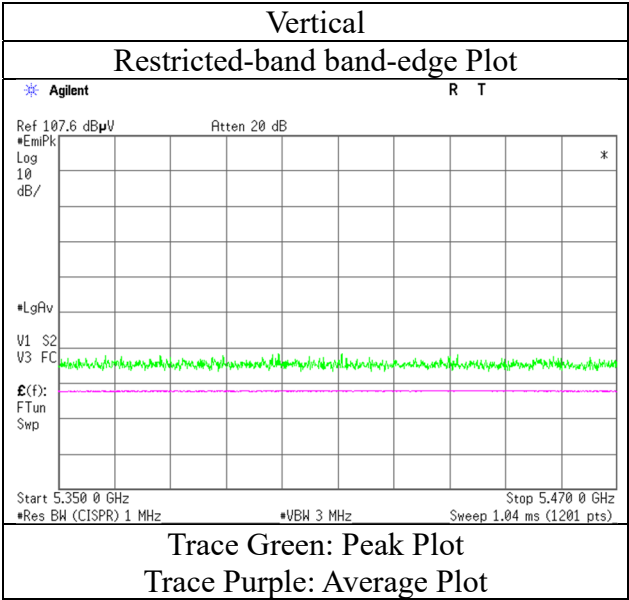
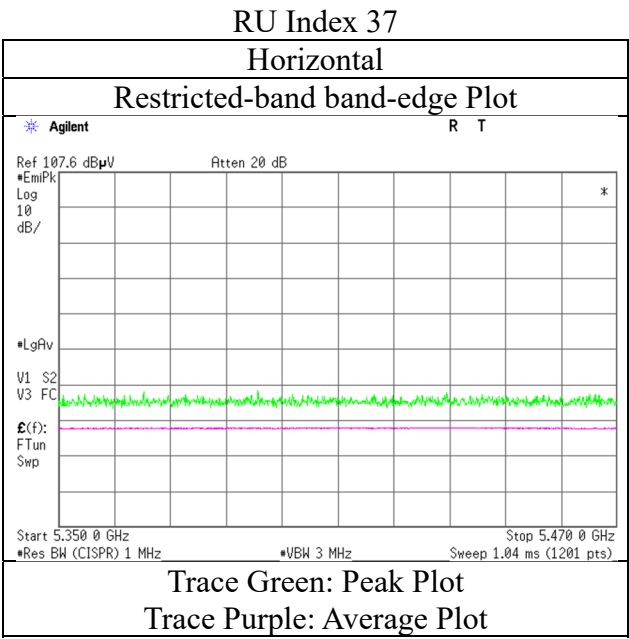
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5510 MHz (52-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 37 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (106-tone RU)

RU Index 53

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	40.5	32.2	31.9	6.2	31.7	0.3	46.9	38.9	68.2	53.9	21.3	15.0	*1)
Hori.	5470.0	41.2	-	31.9	6.2	31.7	-	47.7	-	68.2	-	20.6	-	
Vert.	5460.0	40.6	32.3	31.9	6.2	31.7	0.3	47.0	39.0	68.2	53.9	21.2	14.9	*1)
Vert.	5470.0	41.2	-	31.9	6.2	31.7	-	47.6	-	68.2	-	20.6	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

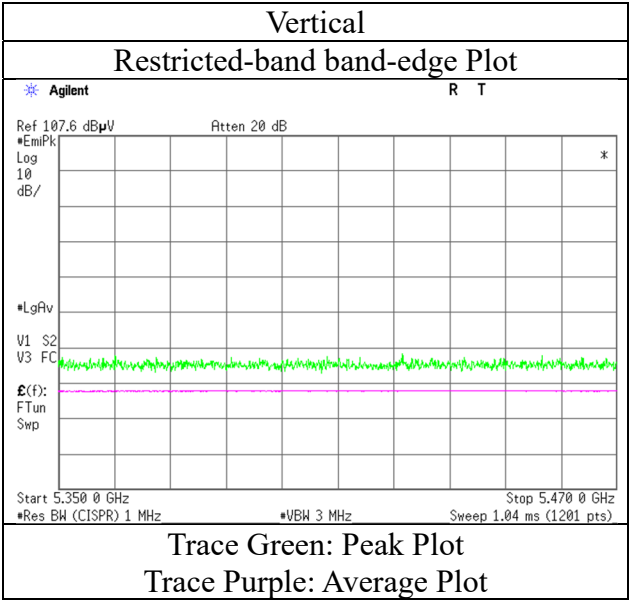
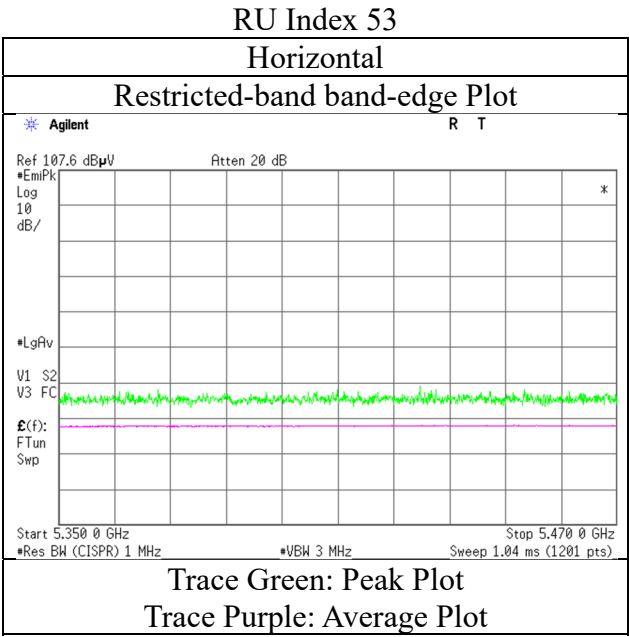
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5510 MHz (106-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 37 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (242-tone RU)

RU Index 61

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	41.4	33.8	31.9	6.2	31.7	0.3	47.8	40.5	68.2	53.9	20.4	13.4	*1)
Hori.	5470.0	42.4	-	31.9	6.2	31.7	-	48.9	-	68.2	-	19.3	-	
Vert.	5460.0	41.0	32.8	31.9	6.2	31.7	0.3	47.4	39.5	68.2	53.9	20.8	14.4	*1)
Vert.	5470.0	42.0	-	31.9	6.2	31.7	-	48.5	-	68.2	-	19.7	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

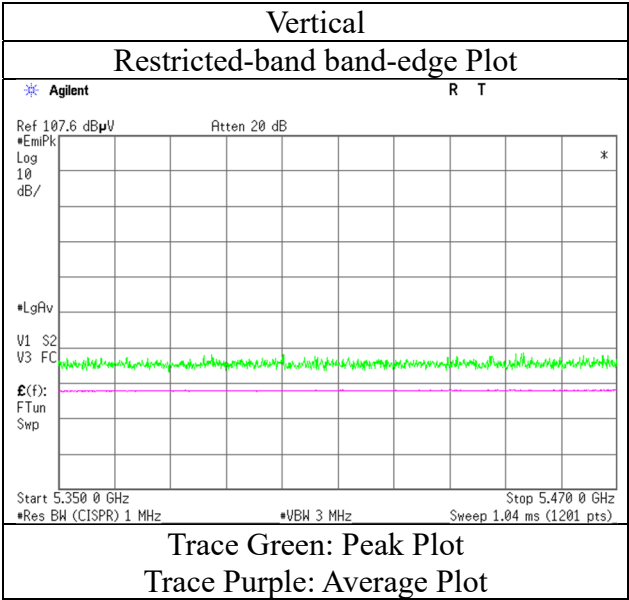
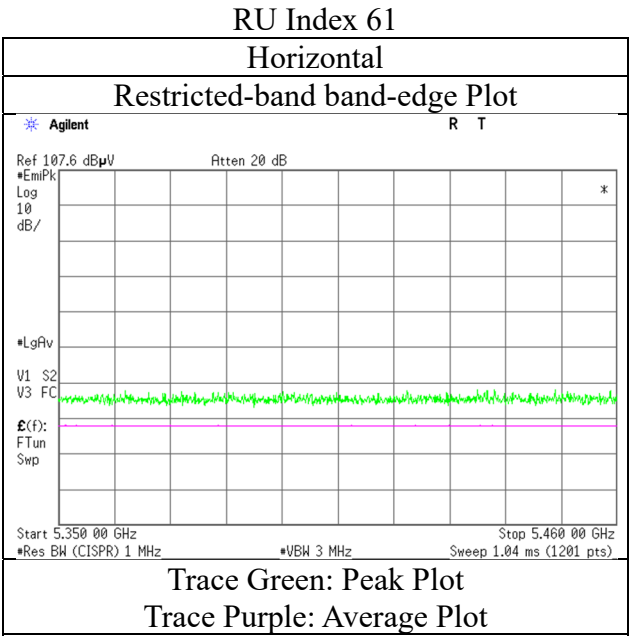
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5510 MHz (242-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 37 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	44.1	35.6	31.9	6.2	31.7	0.3	50.6	42.3	68.2	53.9	17.6	11.6	*1)
Hori.	5470.0	46.5	-	31.9	6.2	31.7	-	52.9	-	68.2	-	15.3	-	
Vert.	5460.0	41.6	33.3	31.9	6.2	31.7	0.3	48.0	40.0	68.2	53.9	20.2	13.9	*1)
Vert.	5470.0	43.2	-	31.9	6.2	31.7	-	49.6	-	68.2	-	18.6	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

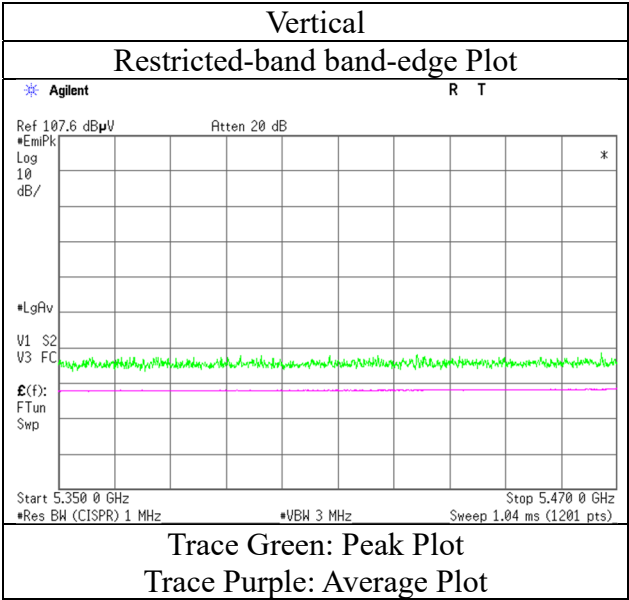
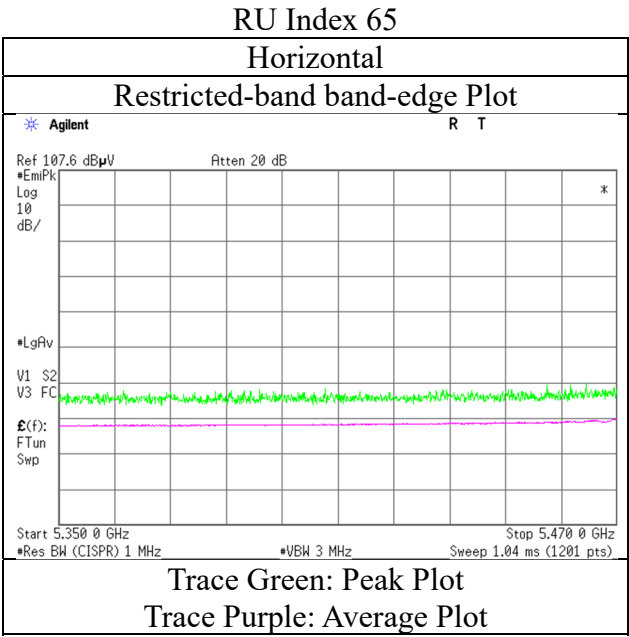
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5510 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (26-tone RU)

RU Index 17

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	39.6	-	32.1	6.3	31.7	-	46.4	-	68.2	-	21.8	-	
Vert.	5725.0	40.7	-	32.1	6.3	31.7	-	47.5	-	68.2	-	20.7	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

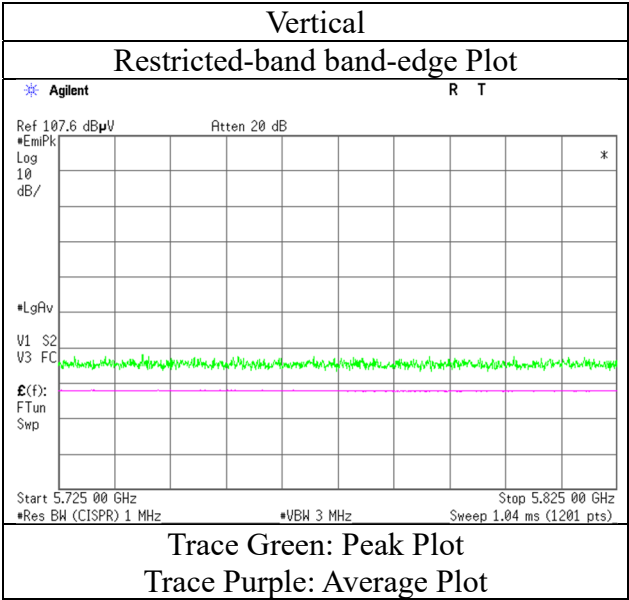
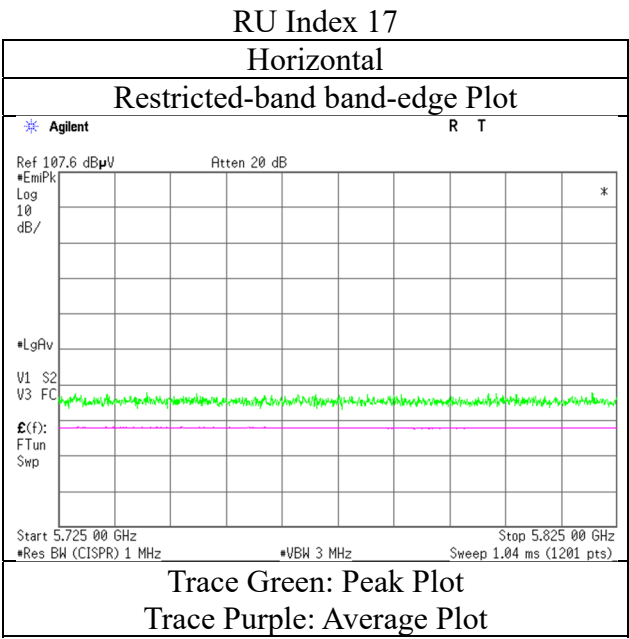
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5670 MHz (26-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (52-tone RU)

RU Index 44

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	40.8	-	32.1	6.3	31.7	-	47.6	-	68.2	-	20.6	-	
Vert.	5725.0	40.9	-	32.1	6.3	31.7	-	47.7	-	68.2	-	20.5	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

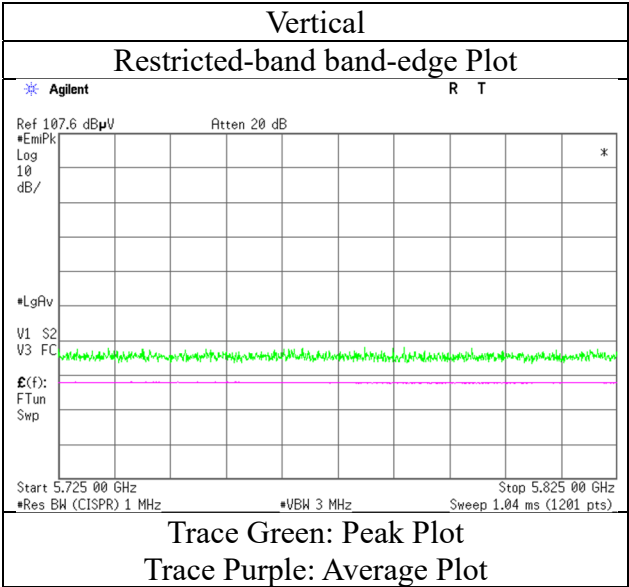
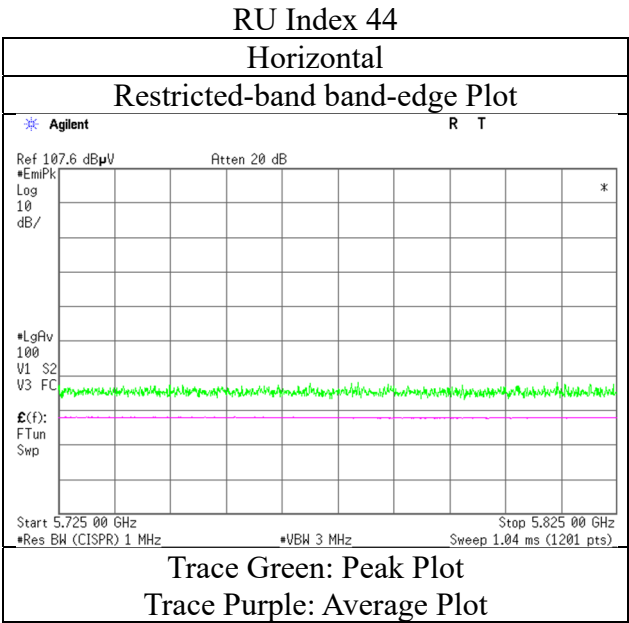
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5670 MHz (52-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (106-tone RU)

RU Index 56

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	40.8	-	32.1	6.3	31.7	-	47.6	-	68.2	-	20.6	-	
Vert.	5725.0	40.5	-	32.1	6.3	31.7	-	47.2	-	68.2	-	21.0	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

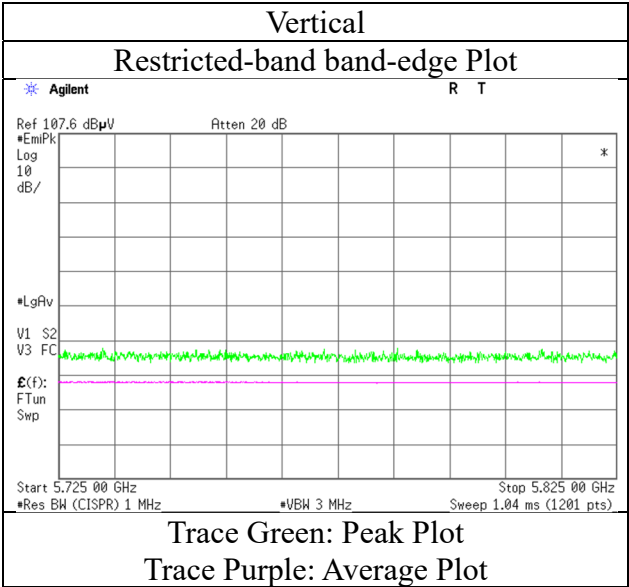
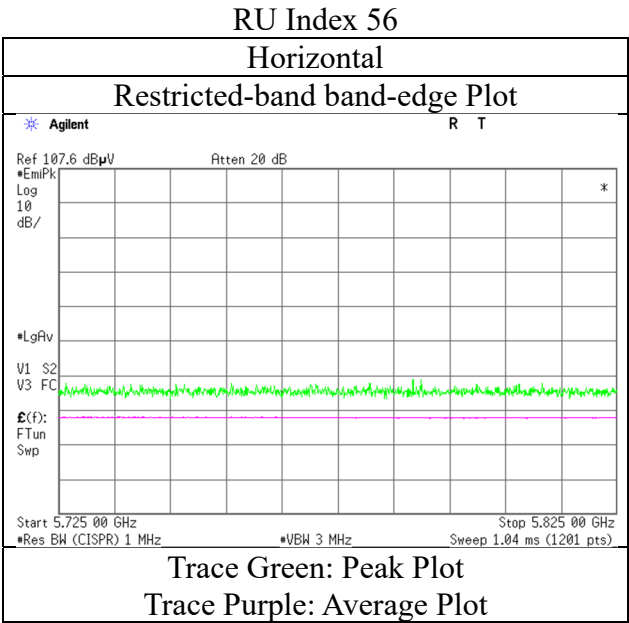
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5670 MHz (106-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (242-tone RU)

RU Index 62

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	41.8	-	32.1	6.3	31.7	-	48.5	-	68.2	-	19.7	-	
Vert.	5725.0	41.6	-	32.1	6.3	31.7	-	48.3	-	68.2	-	19.9	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

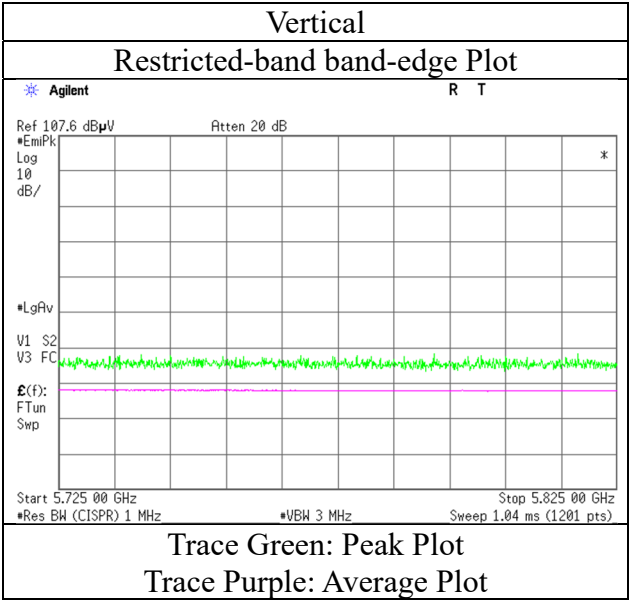
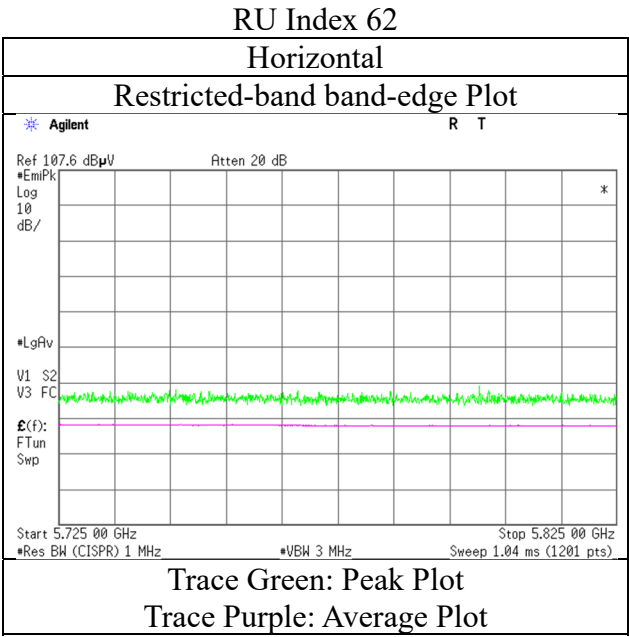
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5670 MHz (242-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 37 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	43.7	-	32.1	6.3	31.7	-	50.5	-	68.2	-	17.8	-	
Vert.	5725.0	42.7	-	32.1	6.3	31.7	-	49.5	-	68.2	-	18.7	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

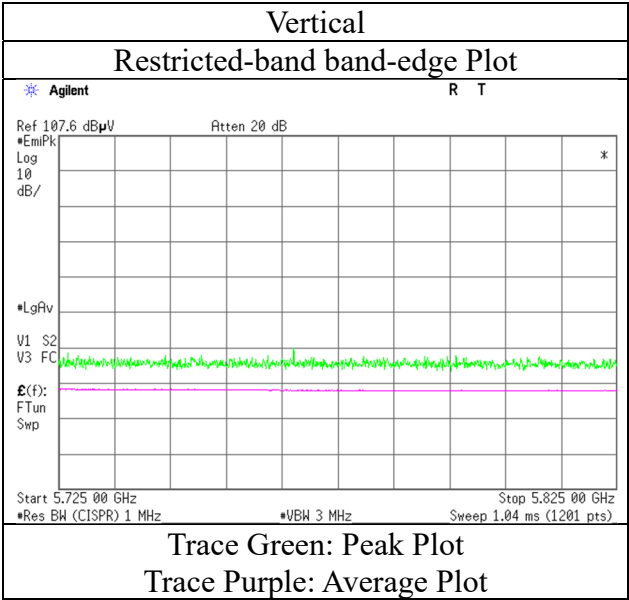
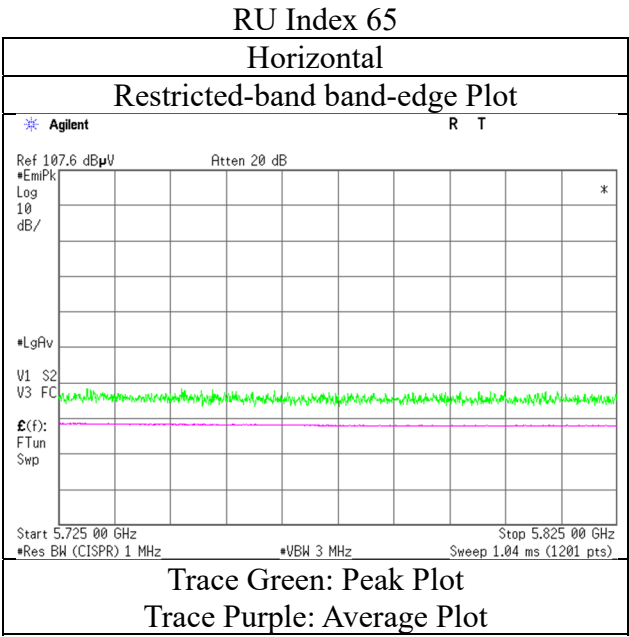
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5670 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 MHz (26-tone RU)

RU Index 0

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	40.7	-	31.9	6.3	31.7	-	47.2	-	68.2	-	21.0	-	
Hori.	5700.0	40.1	-	32.1	6.3	31.7	-	46.7	-	105.2	-	58.5	-	
Hori.	5720.0	41.1	-	32.1	6.3	31.7	-	47.9	-	110.8	-	62.9	-	
Hori.	5725.0	44.9	-	32.1	6.3	31.7	-	51.7	-	122.2	-	70.6	-	
Vert.	5650.0	41.2	-	31.9	6.3	31.7	-	47.7	-	68.2	-	20.5	-	
Vert.	5700.0	40.3	-	32.1	6.3	31.7	-	47.0	-	105.2	-	58.2	-	
Vert.	5720.0	40.8	-	32.1	6.3	31.7	-	47.5	-	110.8	-	63.3	-	
Vert.	5725.0	42.9	-	32.1	6.3	31.7	-	49.7	-	122.2	-	72.5	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

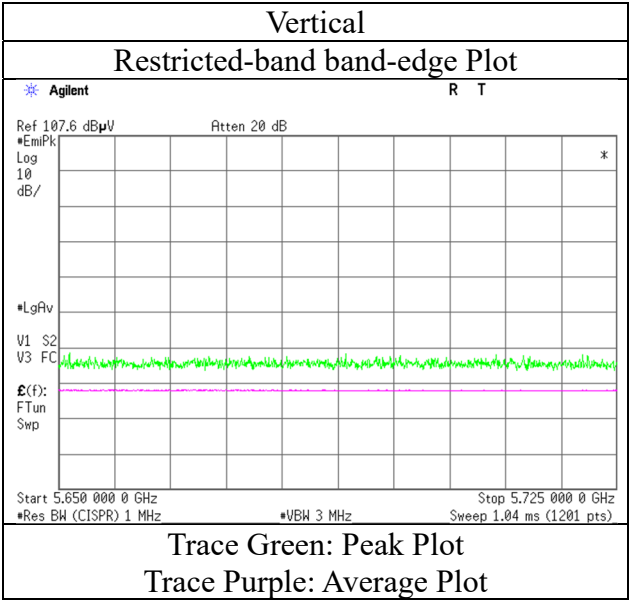
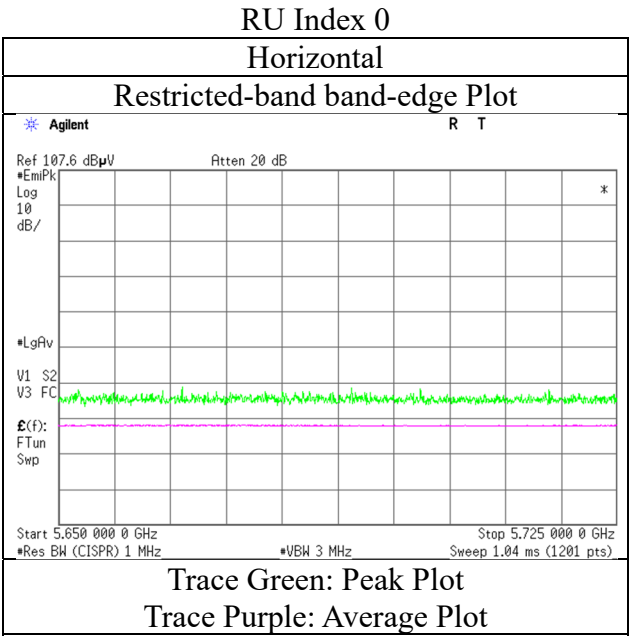
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5755 MHz (26-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 MHz (52-tone RU)

RU Index 37

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	40.5	-	31.9	6.3	31.7	-	47.0	-	68.2	-	21.2	-	
Hori.	5700.0	41.0	-	32.1	6.3	31.7	-	47.7	-	105.2	-	57.5	-	
Hori.	5720.0	41.1	-	32.1	6.3	31.7	-	47.8	-	110.8	-	63.0	-	
Hori.	5725.0	45.2	-	32.1	6.3	31.7	-	52.0	-	122.2	-	70.3	-	
Vert.	5650.0	40.4	-	31.9	6.3	31.7	-	46.9	-	68.2	-	21.3	-	
Vert.	5700.0	40.3	-	32.1	6.3	31.7	-	47.0	-	105.2	-	58.2	-	
Vert.	5720.0	41.1	-	32.1	6.3	31.7	-	47.8	-	110.8	-	63.0	-	
Vert.	5725.0	42.4	-	32.1	6.3	31.7	-	49.2	-	122.2	-	73.0	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

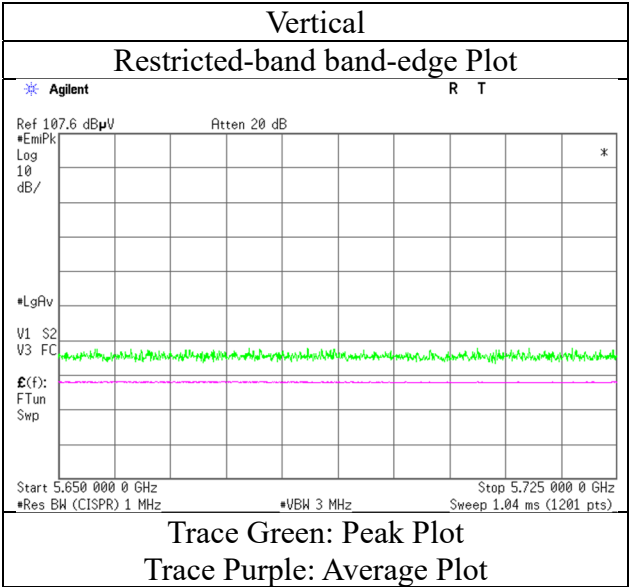
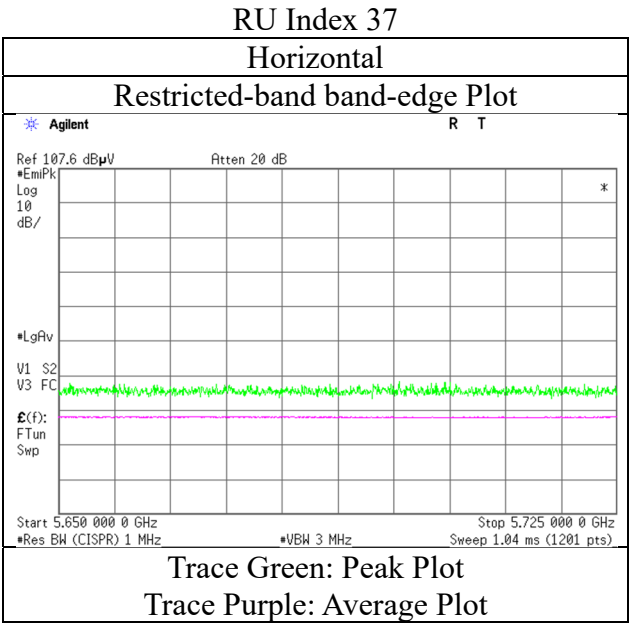
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5755 MHz (52-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 MHz (106-tone RU)

RU Index 53

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	40.9	-	31.9	6.3	31.7	-	47.5	-	68.2	-	20.7	-	
Hori.	5700.0	41.3	-	32.1	6.3	31.7	-	48.0	-	105.2	-	57.3	-	
Hori.	5720.0	43.0	-	32.1	6.3	31.7	-	49.8	-	110.8	-	61.0	-	
Hori.	5725.0	48.0	-	32.1	6.3	31.7	-	54.8	-	122.2	-	67.4	-	
Vert.	5650.0	40.4	-	31.9	6.3	31.7	-	47.0	-	68.2	-	21.3	-	
Vert.	5700.0	40.6	-	32.1	6.3	31.7	-	47.3	-	105.2	-	58.0	-	
Vert.	5720.0	40.9	-	32.1	6.3	31.7	-	47.7	-	110.8	-	63.1	-	
Vert.	5725.0	43.2	-	32.1	6.3	31.7	-	50.0	-	122.2	-	72.2	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

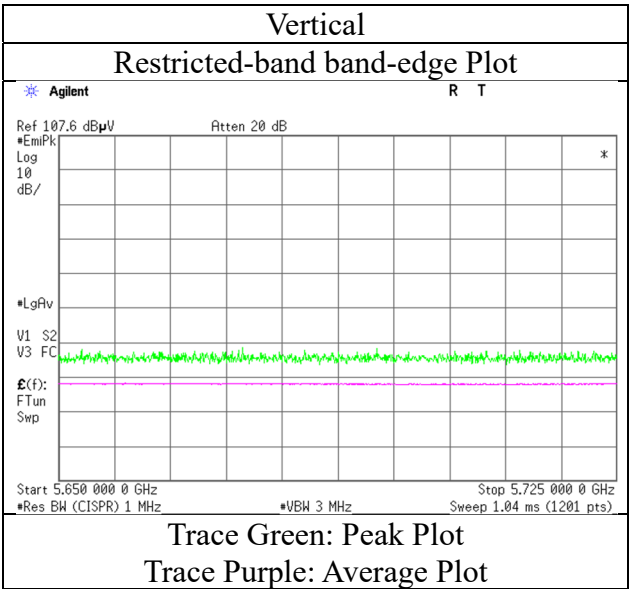
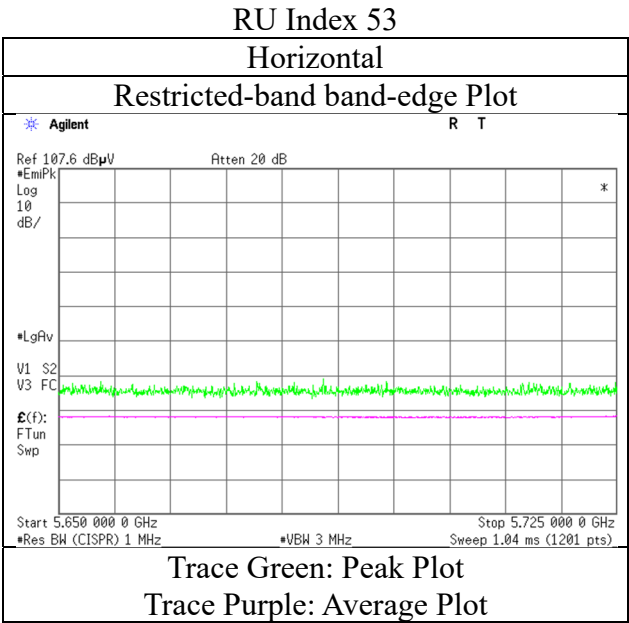
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5755 MHz (106-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 MHz (242-tone RU)

RU Index 61

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	40.6	-	31.9	6.3	31.7	-	47.2	-	68.2	-	21.0	-	
Hori.	5700.0	43.1	-	32.1	6.3	31.7	-	49.8	-	105.2	-	55.4	-	
Hori.	5720.0	59.3	-	32.1	6.3	31.7	-	66.1	-	110.8	-	44.7	-	
Hori.	5725.0	62.1	-	32.1	6.3	31.7	-	68.9	-	122.2	-	53.3	-	
Vert.	5650.0	40.3	-	31.9	6.3	31.7	-	46.8	-	68.2	-	21.4	-	
Vert.	5700.0	40.8	-	32.1	6.3	31.7	-	47.5	-	105.2	-	57.7	-	
Vert.	5720.0	54.6	-	32.1	6.3	31.7	-	61.4	-	110.8	-	49.4	-	
Vert.	5725.0	59.5	-	32.1	6.3	31.7	-	66.2	-	122.2	-	56.0	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

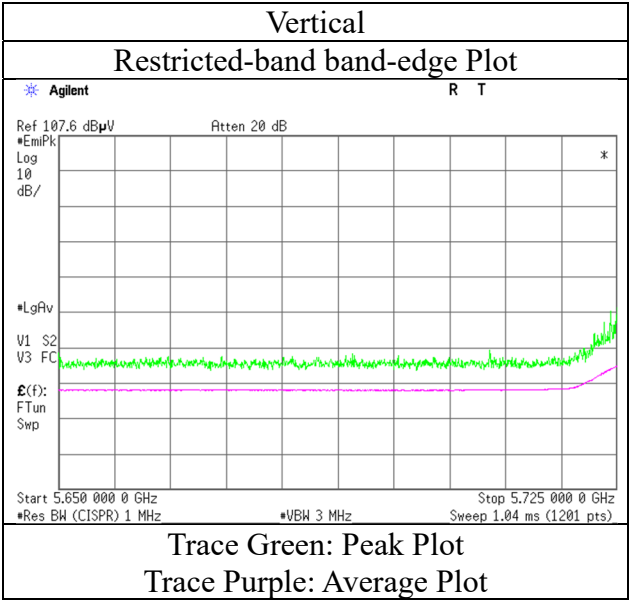
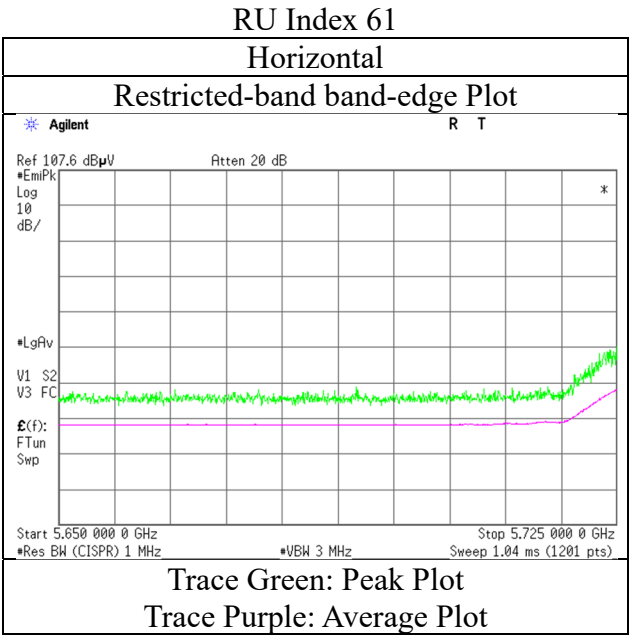
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 MHz (242-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	41.3	-	31.9	6.3	31.7	-	47.9	-	68.2	-	20.3	-	
Hori.	5700.0	55.1	-	32.1	6.3	31.7	-	61.8	-	105.2	-	43.4	-	
Hori.	5720.0	64.6	-	32.1	6.3	31.7	-	71.3	-	110.8	-	39.5	-	
Hori.	5725.0	66.3	-	32.1	6.3	31.7	-	73.1	-	122.2	-	49.1	-	
Vert.	5650.0	40.8	-	31.9	6.3	31.7	-	47.4	-	68.2	-	20.8	-	
Vert.	5700.0	50.0	-	32.1	6.3	31.7	-	56.7	-	105.2	-	48.6	-	
Vert.	5720.0	59.2	-	32.1	6.3	31.7	-	66.0	-	110.8	-	44.9	-	
Vert.	5725.0	59.8	-	32.1	6.3	31.7	-	66.6	-	122.2	-	55.6	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

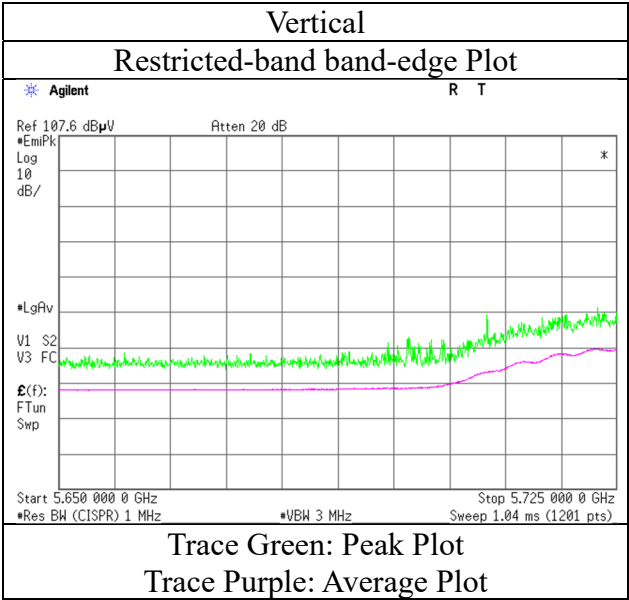
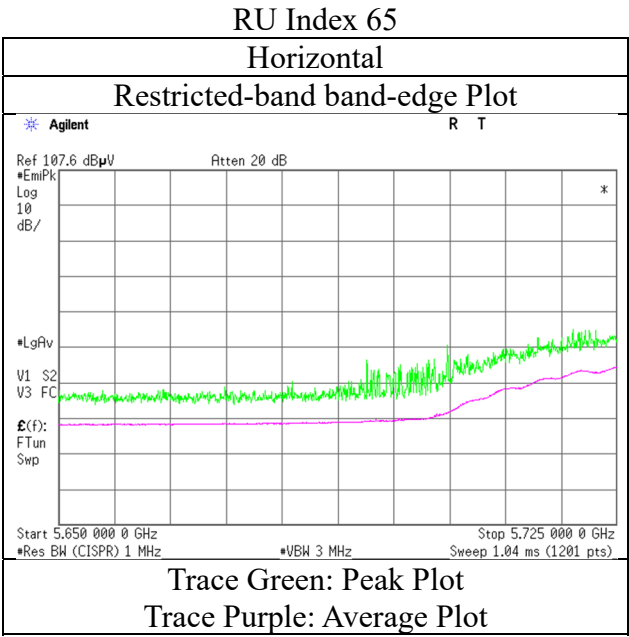
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5755 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (26-tone RU)

RU Index 17

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	40.9	-	32.5	6.4	31.7	-	48.0	-	122.2	-	74.2	-	
Hori.	5855.0	40.2	-	32.5	6.4	31.7	-	47.3	-	110.8	-	63.5	-	
Hori.	5875.0	40.1	-	32.5	6.4	31.7	-	47.3	-	105.2	-	57.9	-	
Hori.	5925.0	40.6	-	32.5	6.4	31.7	-	47.8	-	68.2	-	20.4	-	
Vert.	5850.0	41.2	-	32.5	6.4	31.7	-	48.3	-	122.2	-	73.9	-	
Vert.	5855.0	40.0	-	32.5	6.4	31.7	-	47.1	-	110.8	-	63.7	-	
Vert.	5875.0	40.5	-	32.5	6.4	31.7	-	47.6	-	105.2	-	57.6	-	
Vert.	5925.0	40.3	-	32.5	6.4	31.7	-	47.5	-	68.2	-	20.8	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

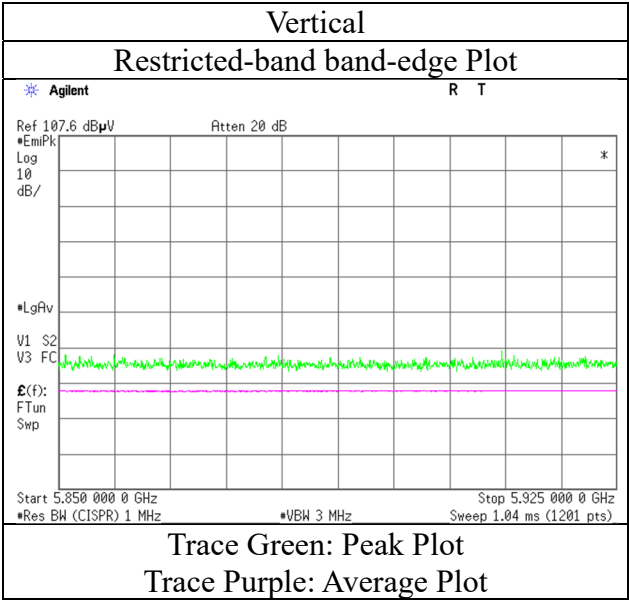
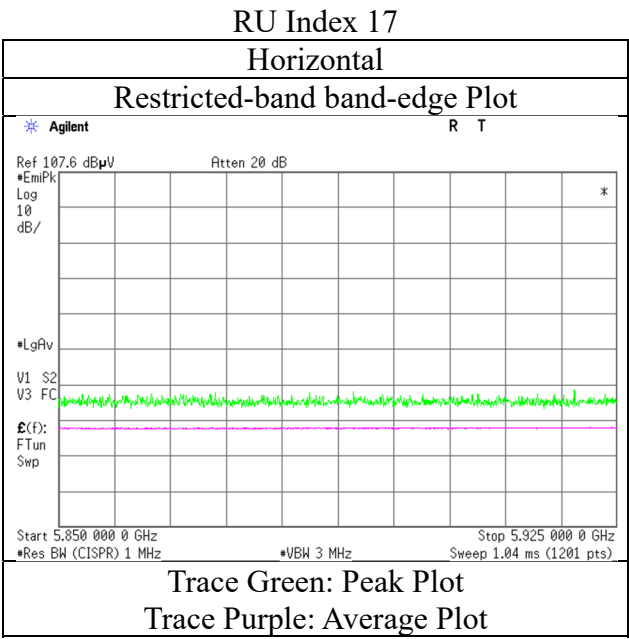
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5795 MHz (26-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (52-tone RU)

RU Index 44

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	40.7	-	32.5	6.4	31.7	-	47.8	-	122.2	-	74.4	-	
Hori.	5855.0	40.2	-	32.5	6.4	31.7	-	47.3	-	110.8	-	63.5	-	
Hori.	5875.0	40.0	-	32.5	6.4	31.7	-	47.2	-	105.2	-	58.1	-	
Hori.	5925.0	40.1	-	32.5	6.4	31.7	-	47.3	-	68.2	-	20.9	-	
Vert.	5850.0	40.7	-	32.5	6.4	31.7	-	47.8	-	122.2	-	74.4	-	
Vert.	5855.0	40.3	-	32.5	6.4	31.7	-	47.4	-	110.8	-	63.4	-	
Vert.	5875.0	40.2	-	32.5	6.4	31.7	-	47.4	-	105.2	-	57.8	-	
Vert.	5925.0	41.0	-	32.5	6.4	31.7	-	48.2	-	68.2	-	20.0	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

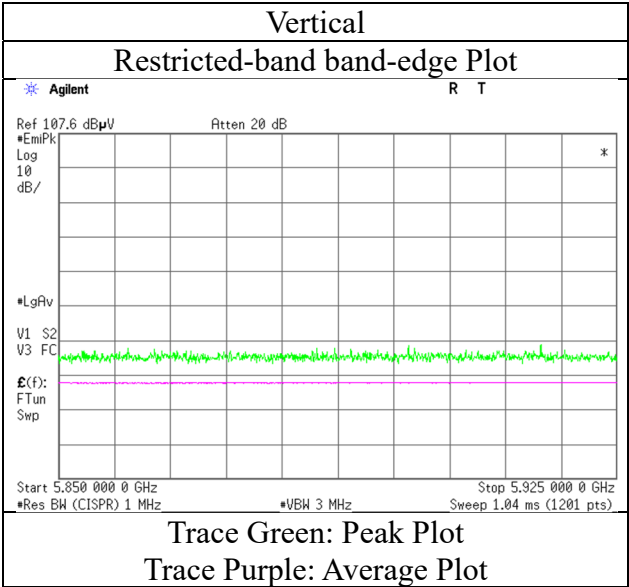
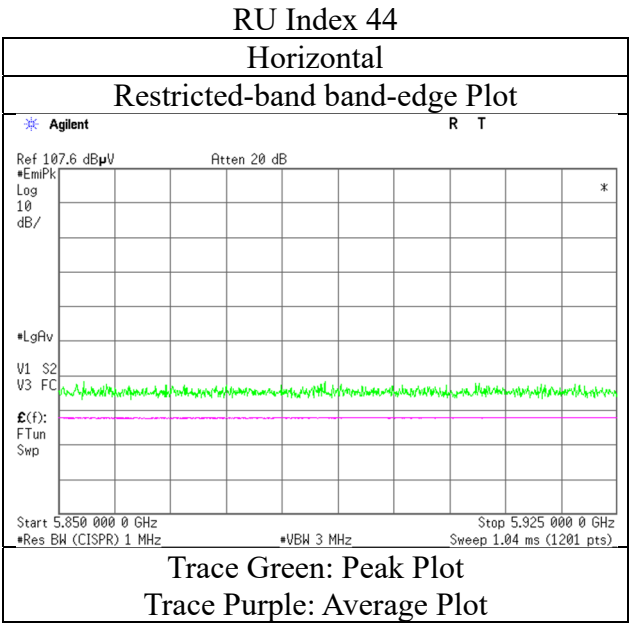
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5795 MHz (52-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (106-tone RU)

RU Index 56

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	40.9	-	32.5	6.4	31.7	-	48.0	-	122.2	-	74.2	-	
Hori.	5855.0	40.3	-	32.5	6.4	31.7	-	47.5	-	110.8	-	63.4	-	
Hori.	5875.0	40.3	-	32.5	6.4	31.7	-	47.5	-	105.2	-	57.7	-	
Hori.	5925.0	40.8	-	32.5	6.4	31.7	-	48.0	-	68.2	-	20.3	-	
Vert.	5850.0	40.3	-	32.5	6.4	31.7	-	47.4	-	122.2	-	74.8	-	
Vert.	5855.0	40.7	-	32.5	6.4	31.7	-	47.8	-	110.8	-	63.0	-	
Vert.	5875.0	40.5	-	32.5	6.4	31.7	-	47.7	-	105.2	-	57.5	-	
Vert.	5925.0	41.9	-	32.5	6.4	31.7	-	49.1	-	68.2	-	19.2	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

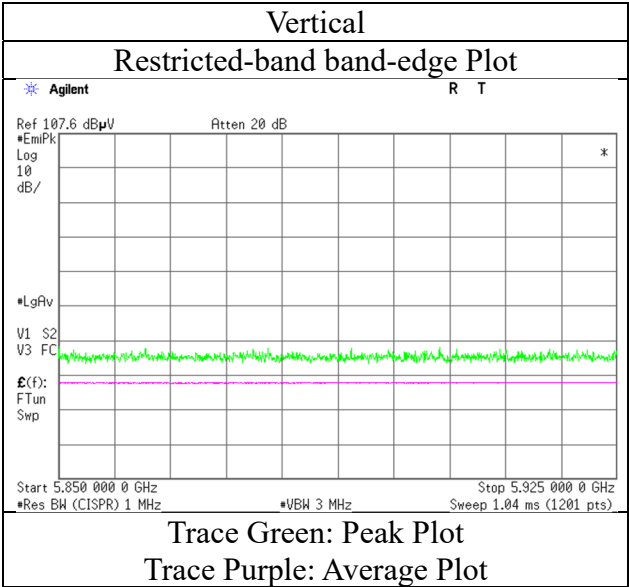
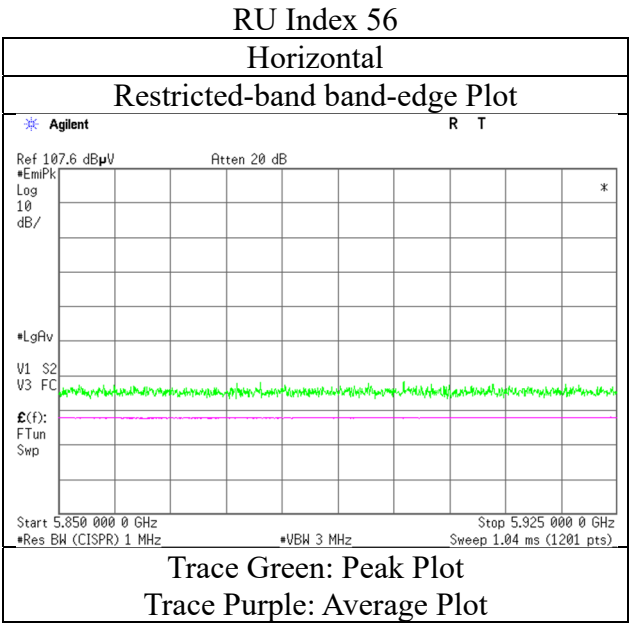
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5795 MHz (106-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Ise EMC Lab.
No.3
January 20, 2022
20 deg. C / 36 % RH
Hiroki Numata
(1 GHz - 10 GHz)
Tx 11ax-40 5795 MHz (242-tone RU)

RU Index 62

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	41.1	-	32.5	6.4	31.7	-	48.2	-	122.2	-	74.0	-	
Hori.	5855.0	41.4	-	32.5	6.4	31.7	-	48.5	-	110.8	-	62.3	-	
Hori.	5875.0	41.4	-	32.5	6.4	31.7	-	48.5	-	105.2	-	56.7	-	
Hori.	5925.0	40.3	-	32.5	6.4	31.7	-	47.5	-	68.2	-	20.7	-	
Vert.	5850.0	40.8	-	32.5	6.4	31.7	-	47.9	-	122.2	-	74.3	-	
Vert.	5855.0	40.4	-	32.5	6.4	31.7	-	47.5	-	110.8	-	63.3	-	
Vert.	5875.0	40.9	-	32.5	6.4	31.7	-	48.0	-	105.2	-	57.2	-	
Vert.	5925.0	40.0	-	32.5	6.4	31.7	-	47.1	-	68.2	-	21.1	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

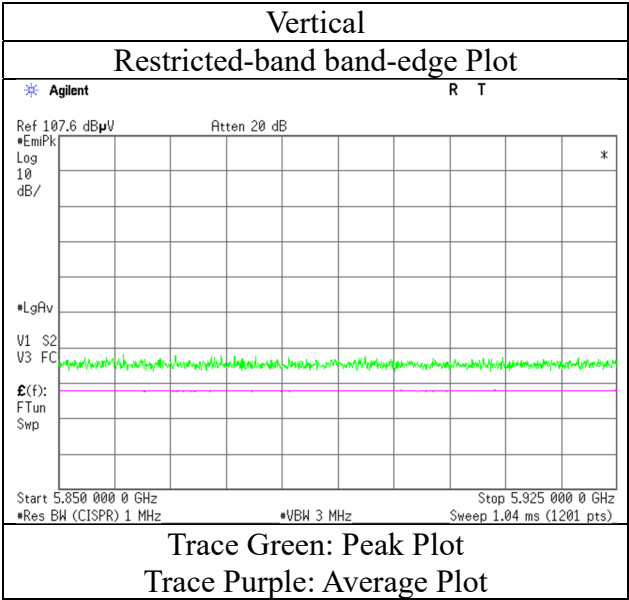
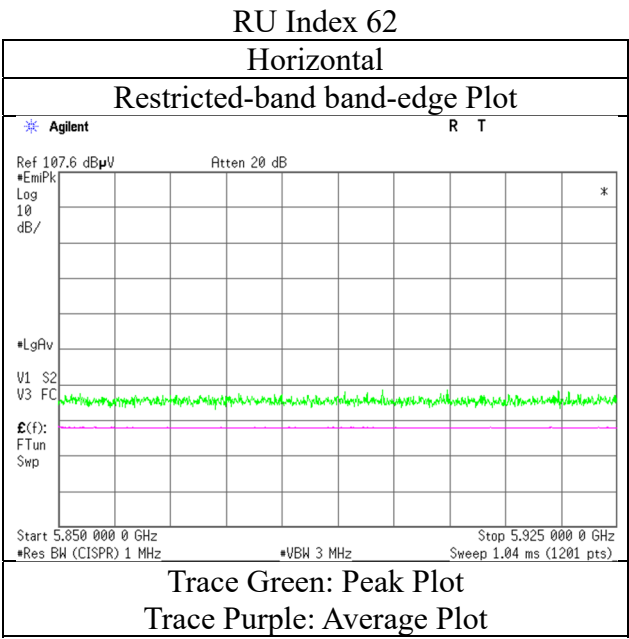
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5795 MHz (242-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	49.0	-	32.5	6.4	31.7	-	56.1	-	122.2	-	66.1	-	
Hori.	5855.0	46.7	-	32.5	6.4	31.7	-	53.8	-	110.8	-	57.0	-	
Hori.	5875.0	43.2	-	32.5	6.4	31.7	-	50.3	-	105.2	-	54.9	-	
Hori.	5925.0	40.2	-	32.5	6.4	31.7	-	47.4	-	68.2	-	20.8	-	
Vert.	5850.0	46.8	-	32.5	6.4	31.7	-	54.0	-	122.2	-	68.3	-	
Vert.	5855.0	45.7	-	32.5	6.4	31.7	-	52.8	-	110.8	-	58.0	-	
Vert.	5875.0	42.1	-	32.5	6.4	31.7	-	49.3	-	105.2	-	56.0	-	
Vert.	5925.0	41.1	-	32.5	6.4	31.7	-	48.3	-	68.2	-	20.0	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

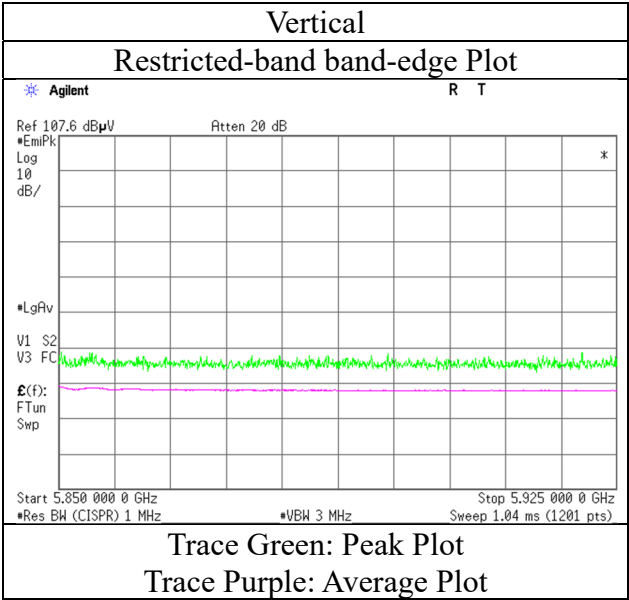
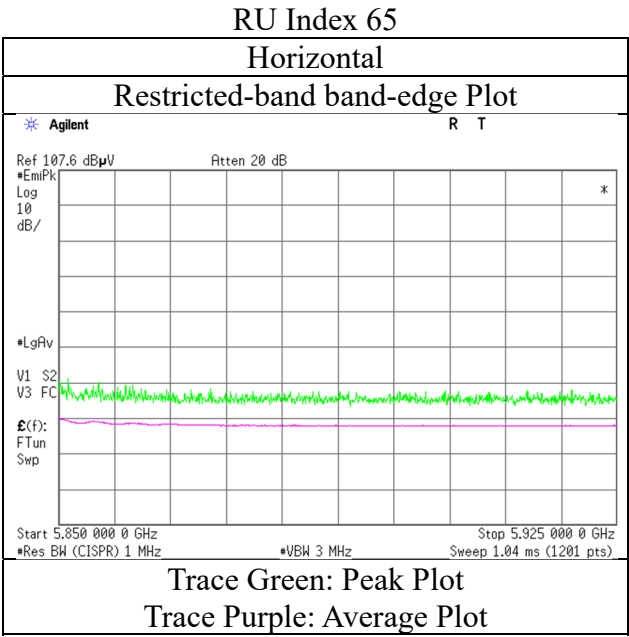
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-40 5795 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (26-tone RU)

RU Index 0

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	41.2	32.4	31.9	6.1	31.6	0.3	47.6	39.1	73.9	53.9	26.3	14.8	*1)
Vert.	5150.0	40.1	31.9	31.9	6.1	31.6	0.3	46.5	38.6	73.9	53.9	27.4	15.3	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

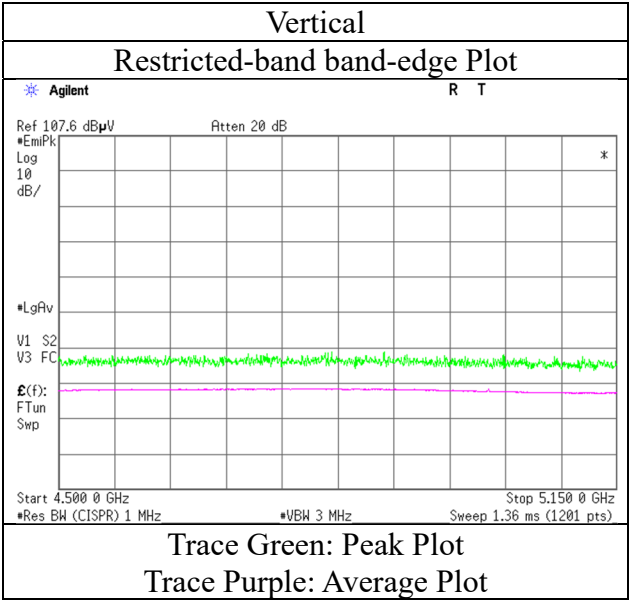
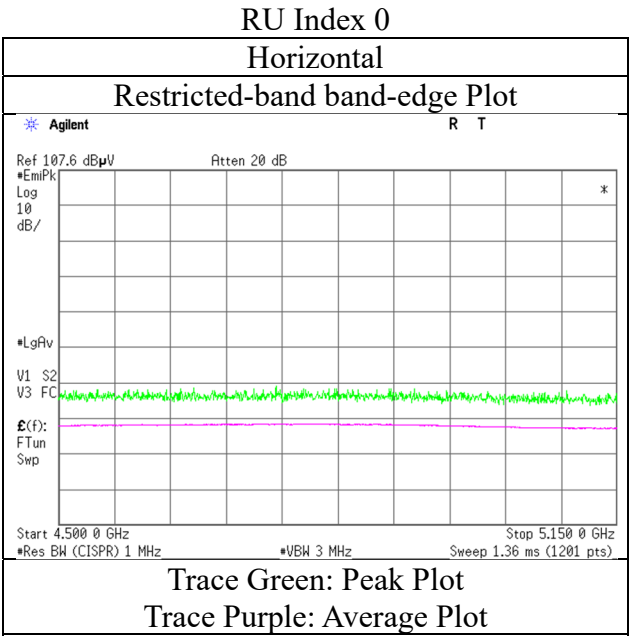
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-80 5210 MHz (26-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (52-tone RU)

RU Index 37

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	40.4	31.6	31.9	6.1	31.6	0.3	46.8	38.2	73.9	53.9	27.1	15.7	*1)
Vert.	5150.0	40.3	31.8	31.9	6.1	31.6	0.3	46.7	38.4	73.9	53.9	27.2	15.5	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

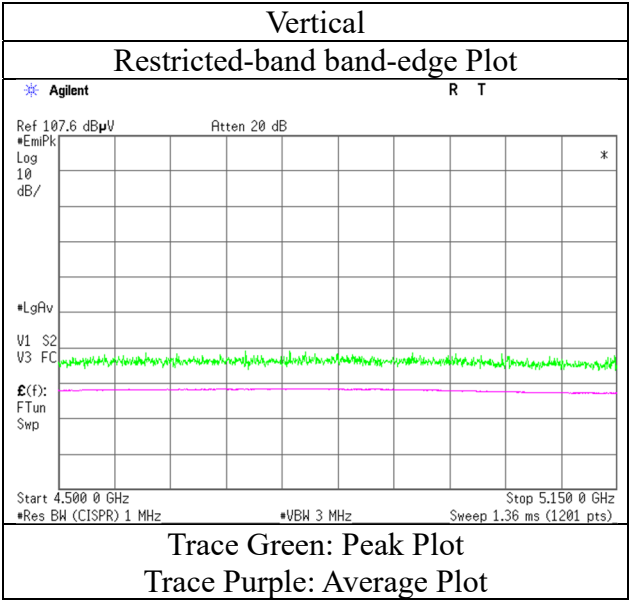
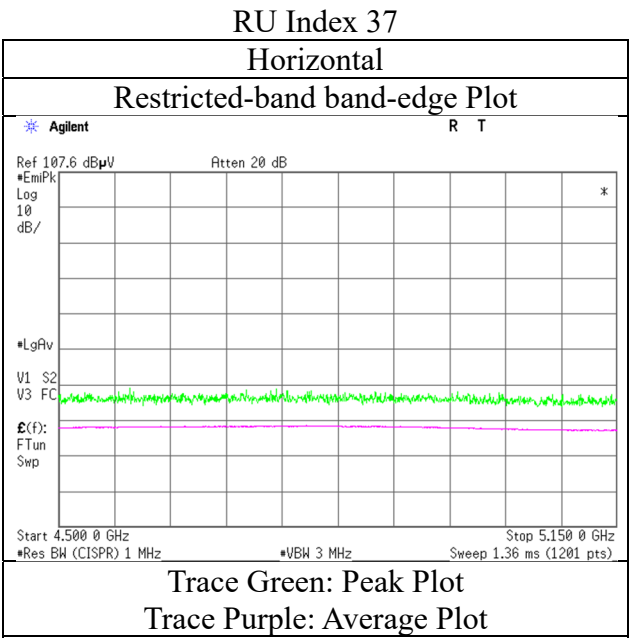
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-80 5210 MHz (52-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (106-tone RU)

RU Index 53

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	41.3	32.5	31.9	6.1	31.6	0.3	47.7	39.2	73.9	53.9	26.2	14.7	*1)
Vert.	5150.0	40.2	31.9	31.9	6.1	31.6	0.3	46.6	38.6	73.9	53.9	27.4	15.3	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading+ Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

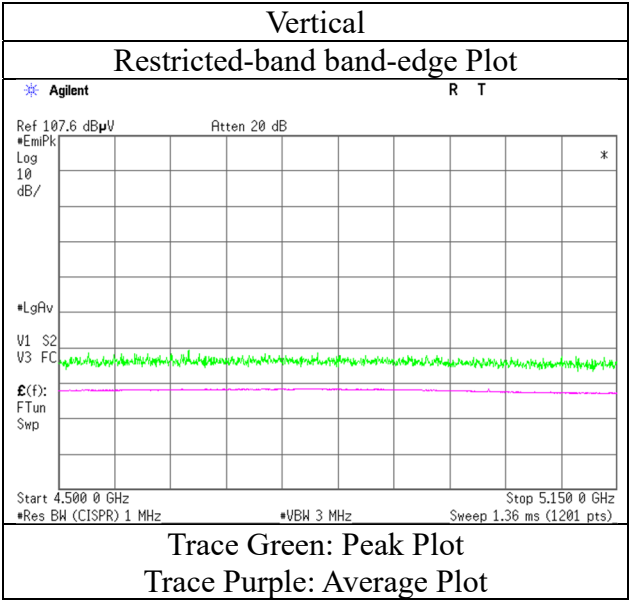
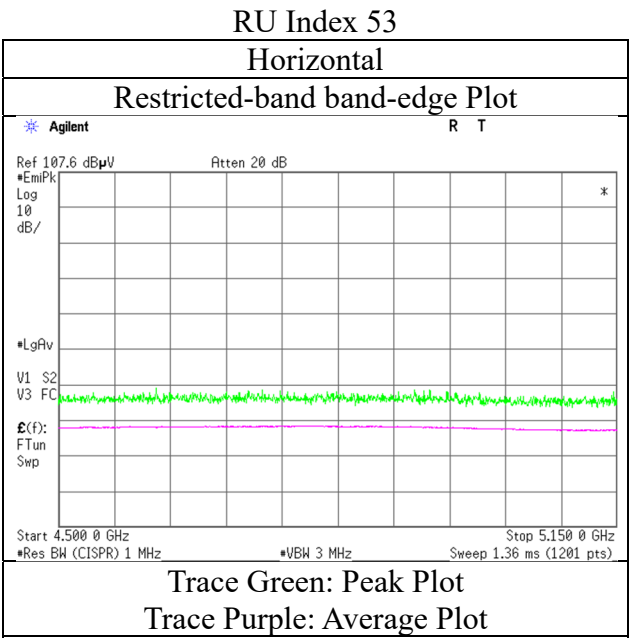
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-80 5210 MHz (106-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (242-tone RU)

RU Index 61

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	40.7	31.9	31.9	6.1	31.6	0.3	47.1	38.5	73.9	53.9	26.8	15.4	*1)
Vert.	5150.0	40.5	31.8	31.9	6.1	31.6	0.3	46.9	38.4	73.9	53.9	27.0	15.5	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

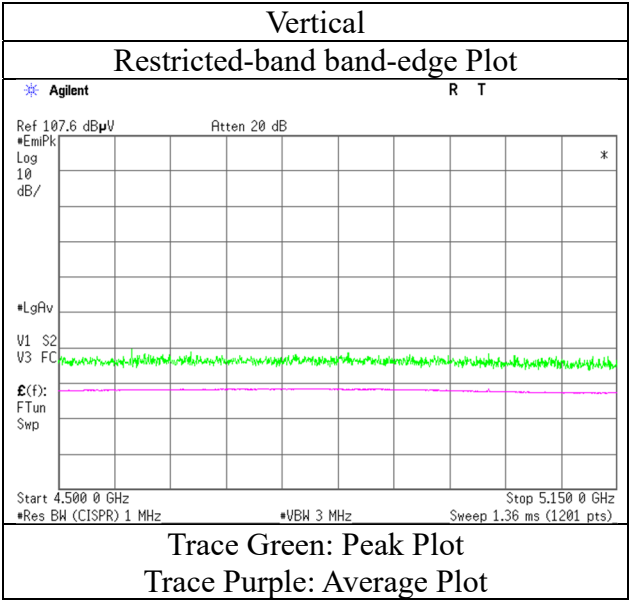
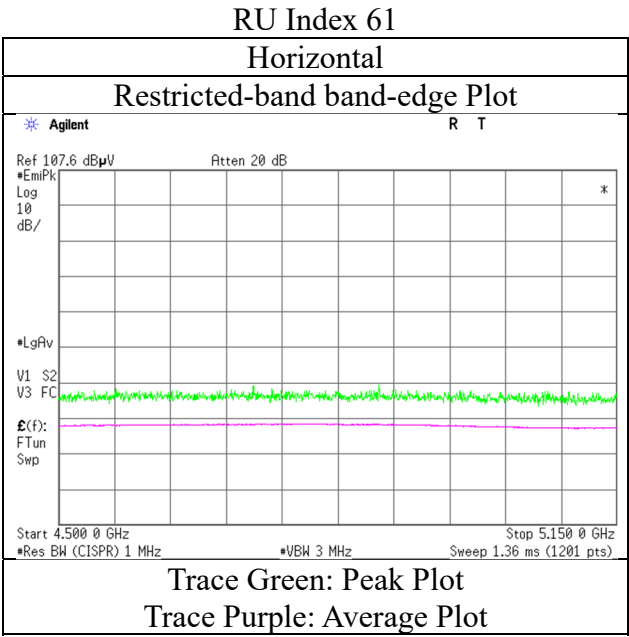
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-80 5210 MHz (242-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	41.5	32.5	31.9	6.1	31.6	0.3	47.9	39.2	73.9	53.9	26.0	14.7	*1)
Vert.	5150.0	40.8	31.8	31.9	6.1	31.6	0.3	47.2	38.5	73.9	53.9	26.7	15.5	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

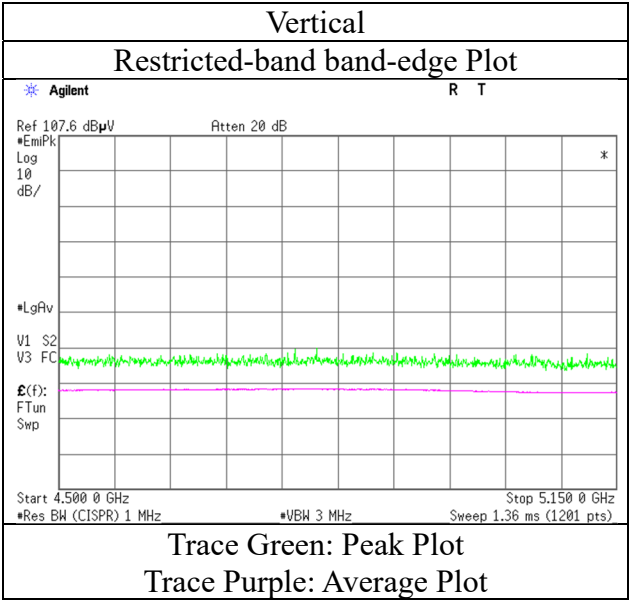
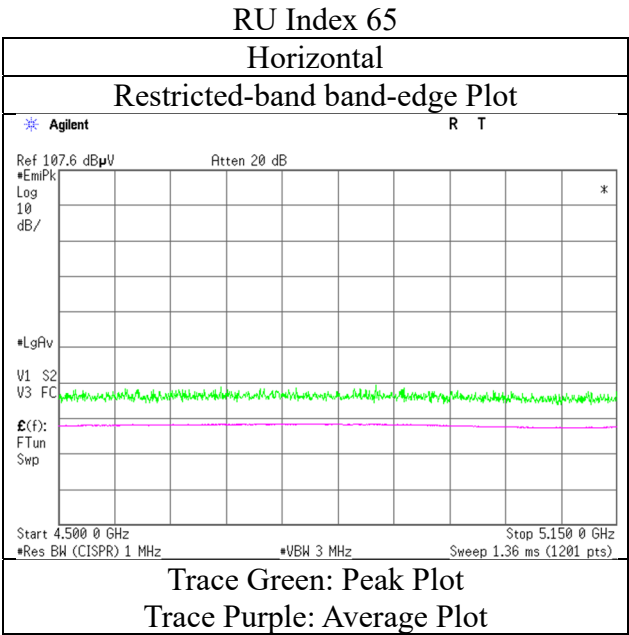
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-80 5210 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 20, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (996-tone RU)

RU Index 67

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	42.9	32.7	31.9	6.1	31.6	0.3	49.3	39.3	73.9	53.9	24.6	14.6	*1)
Vert.	5150.0	42.2	32.3	31.9	6.1	31.6	0.3	48.6	38.9	73.9	53.9	25.3	15.0	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

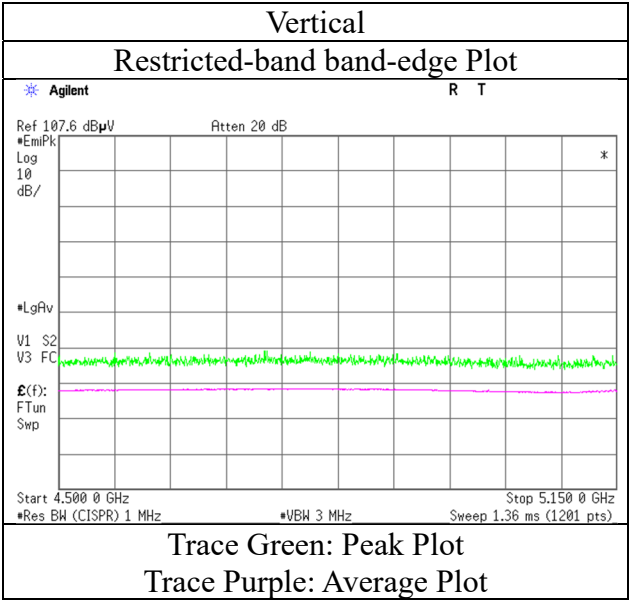
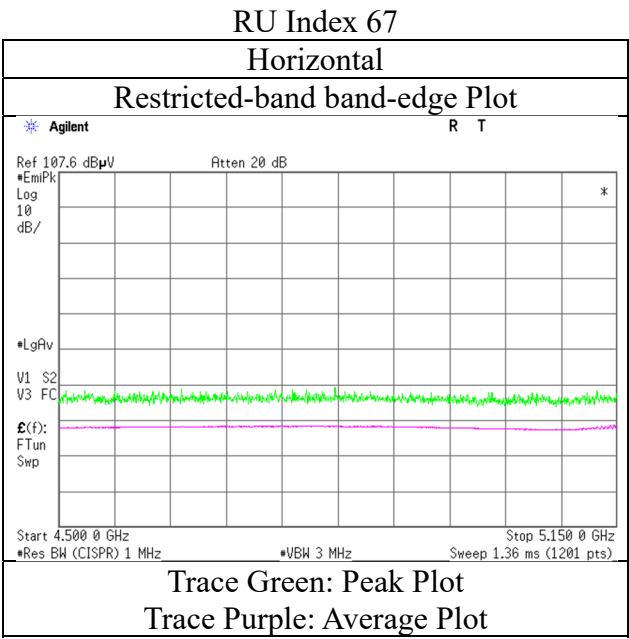
January 20, 2022

20 deg. C / 36 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-80 5210 MHz (996-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 32 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (26-tone RU)

RU Index 36

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	41.2	32.1	31.7	6.2	31.6	0.3	47.5	38.6	73.9	53.9	26.5	15.3	*1)
Vert.	5350.0	41.0	32.2	31.7	6.2	31.6	0.3	47.3	38.7	73.9	53.9	26.6	15.2	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

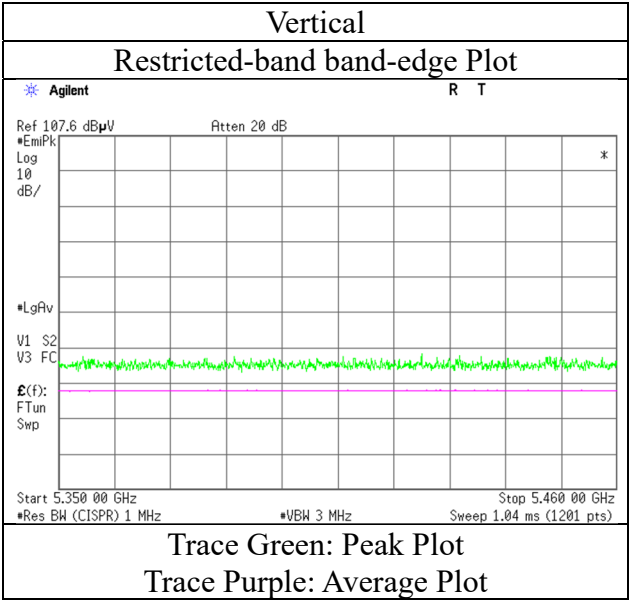
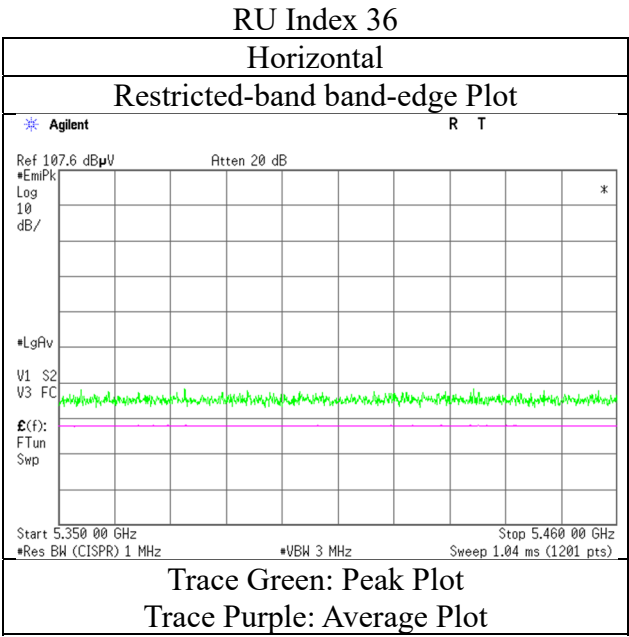
January 21, 2022

22 deg. C / 32 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-80 5290 MHz (26-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 32 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (52-tone RU)

RU Index 52

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	41.1	32.2	31.7	6.2	31.6	0.3	47.3	38.7	73.9	53.9	26.6	15.2	*1)
Vert.	5350.0	41.3	32.2	31.7	6.2	31.6	0.3	47.5	38.7	73.9	53.9	26.4	15.2	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

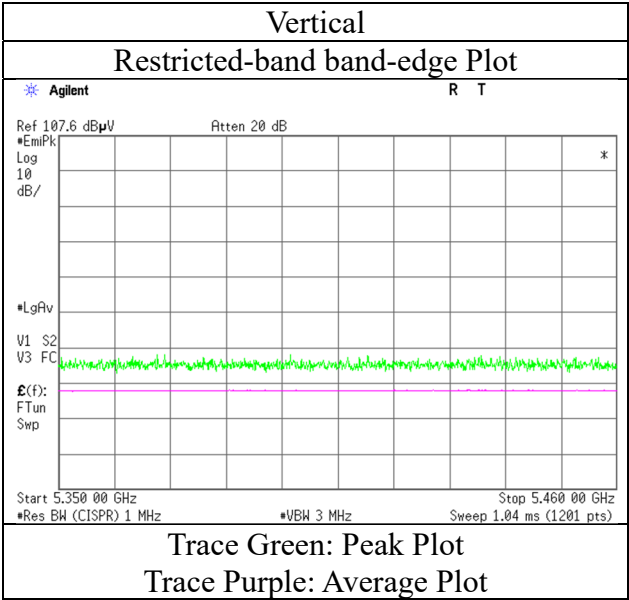
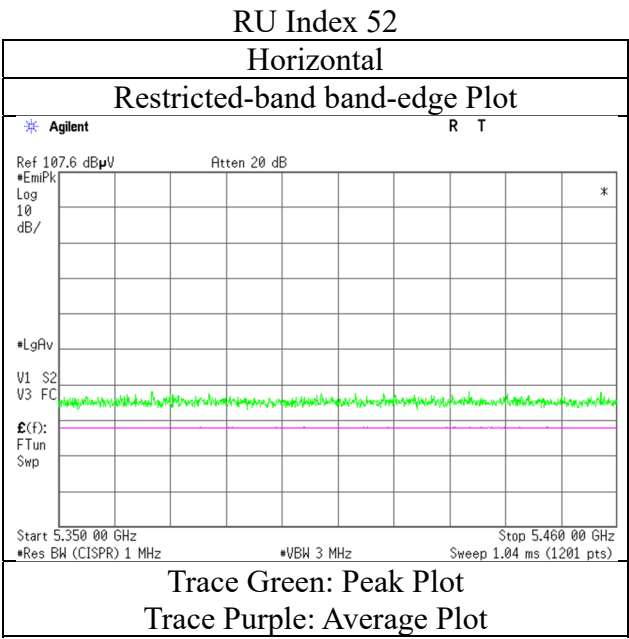
January 21, 2022

22 deg. C / 32 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-80 5290 MHz (52-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 32 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (106-tone RU)

RU Index 60

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	41.5	32.6	31.7	6.2	31.6	0.3	47.7	39.0	73.9	53.9	26.2	14.9	*1)
Vert.	5350.0	41.4	32.4	31.7	6.2	31.6	0.3	47.7	38.9	73.9	53.9	26.2	15.0	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9 \text{ m} / 3.0 \text{ m}) = 2.28 \text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

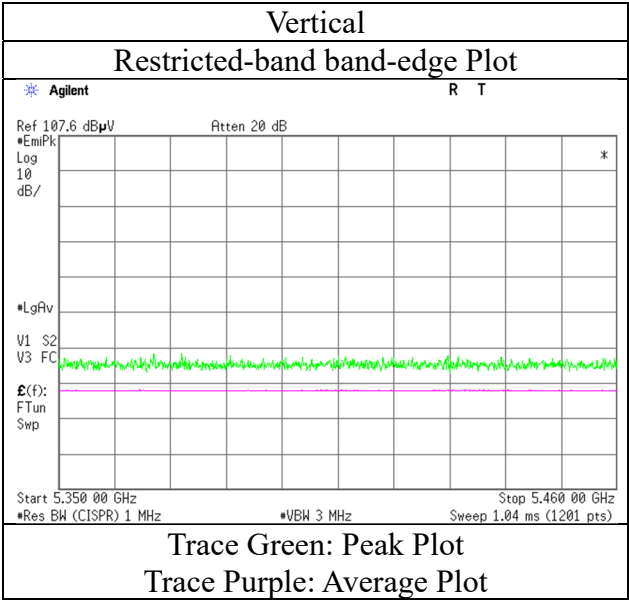
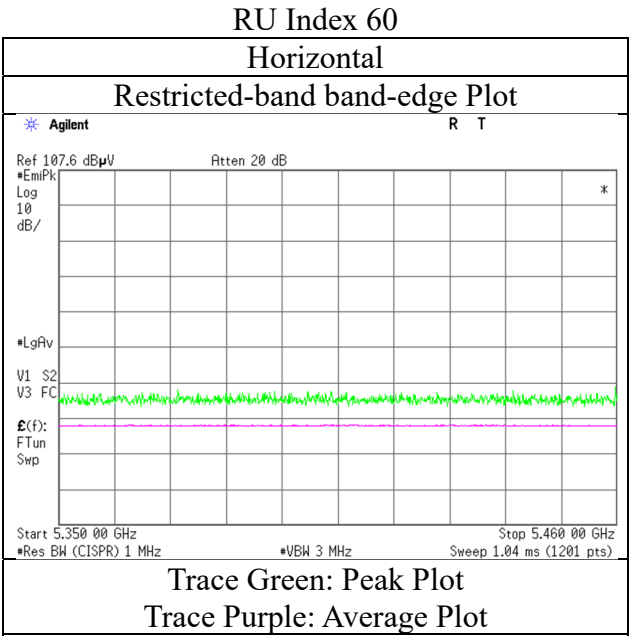
January 21, 2022

22 deg. C / 32 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-80 5290 MHz (106-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 32 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (242-tone RU)

RU Index 64

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	43.4	34.3	31.7	6.2	31.6	0.3	49.6	40.8	73.9	53.9	24.3	13.1	*1)
Vert.	5350.0	41.4	32.8	31.7	6.2	31.6	0.3	47.6	39.3	73.9	53.9	26.3	14.6	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9 \text{ m} / 3.0 \text{ m}) = 2.28 \text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

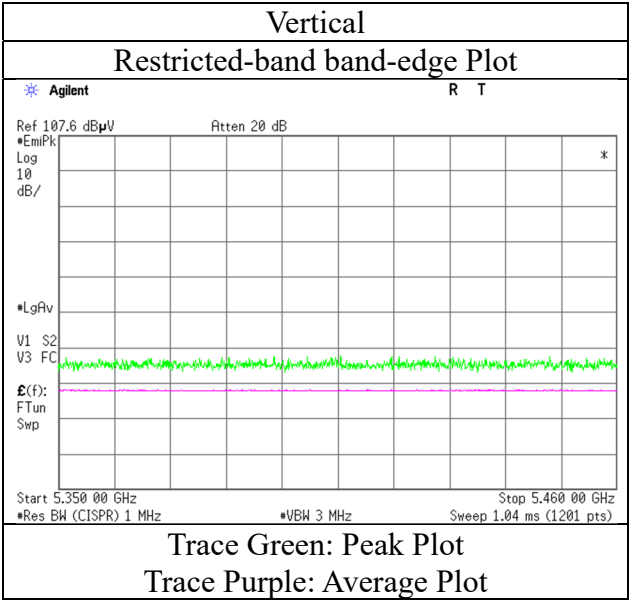
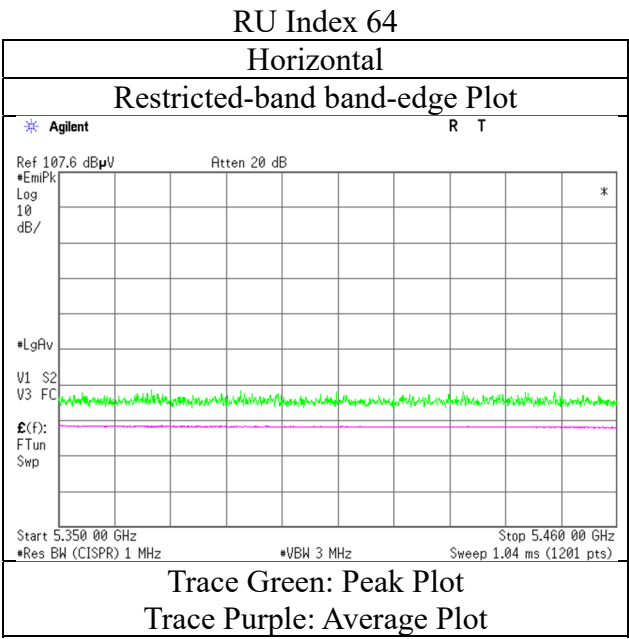
January 21, 2022

22 deg. C / 32 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-80 5290 MHz (242-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions. Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 32 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (484-tone RU)

RU Index 66

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	42.5	34.4	31.7	6.2	31.6	0.2	48.7	40.9	73.9	53.9	25.2	13.0	*1)
Vert.	5350.0	41.7	32.8	31.7	6.2	31.6	0.2	47.9	39.2	73.9	53.9	26.0	14.7	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9 \text{ m} / 3.0 \text{ m}) = 2.28 \text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

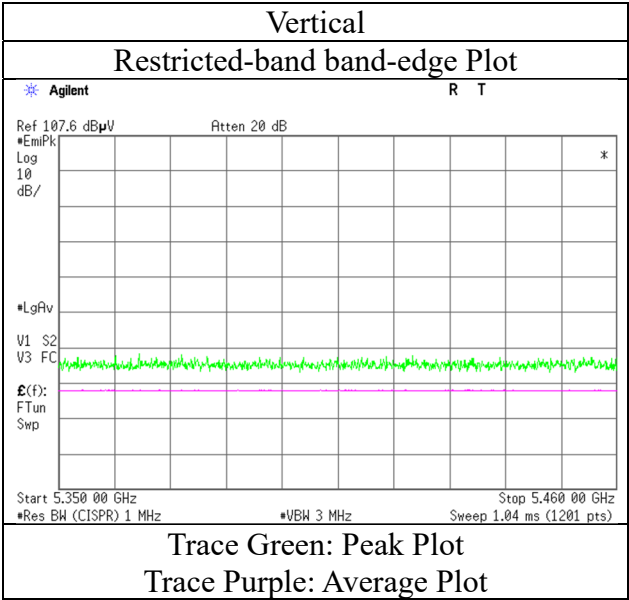
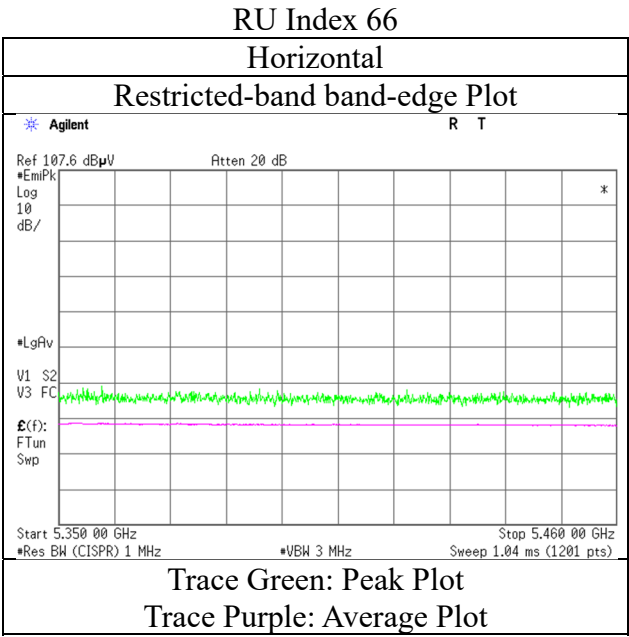
January 21, 2022

22 deg. C / 32 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-80 5290 MHz (484-tone RU)



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 32 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (996-tone RU)

RU Index 67

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	46.8	37.9	31.7	6.2	31.6	0.2	53.0	44.4	73.9	53.9	20.9	9.6	*1)
Vert.	5350.0	43.6	34.6	31.7	6.2	31.6	0.2	49.8	41.1	73.9	53.9	24.1	12.8	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

*1) Not Out of Band emission(Leakage Power)

Distance factor:	1 GHz - 10 GHz	$20\log(3.9 \text{ m} / 3.0 \text{ m}) = 2.28 \text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$