

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

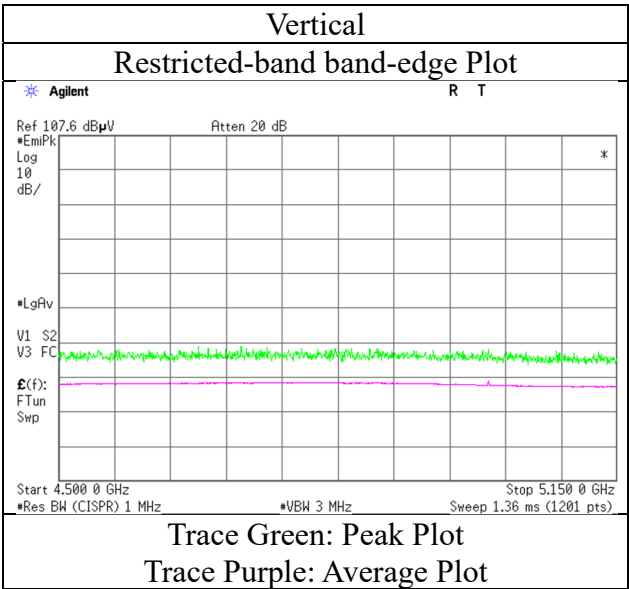
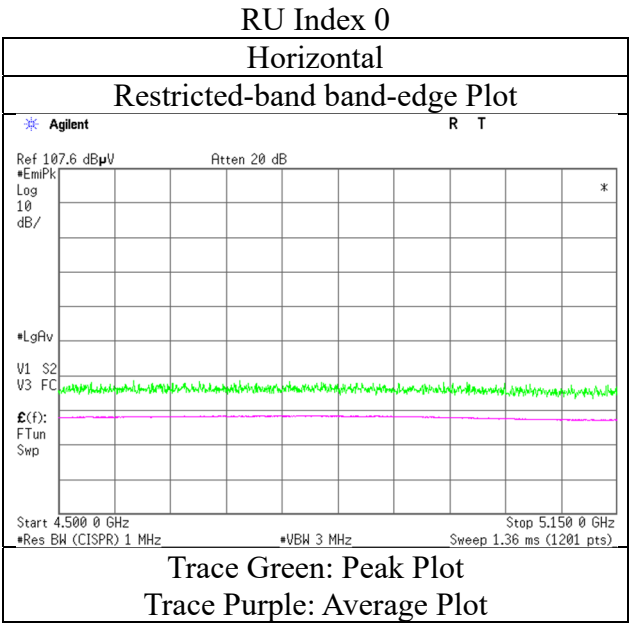
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5180 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5180 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	41.0	31.9	31.9	6.1	31.6	0.3	47.4	38.5	73.9	53.9	26.5	15.4	*1)
Vert.	5150.0	40.1	31.7	31.9	6.1	31.6	0.3	46.5	38.4	73.9	53.9	27.4	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	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

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Mode

Ise EMC Lab.

No.3

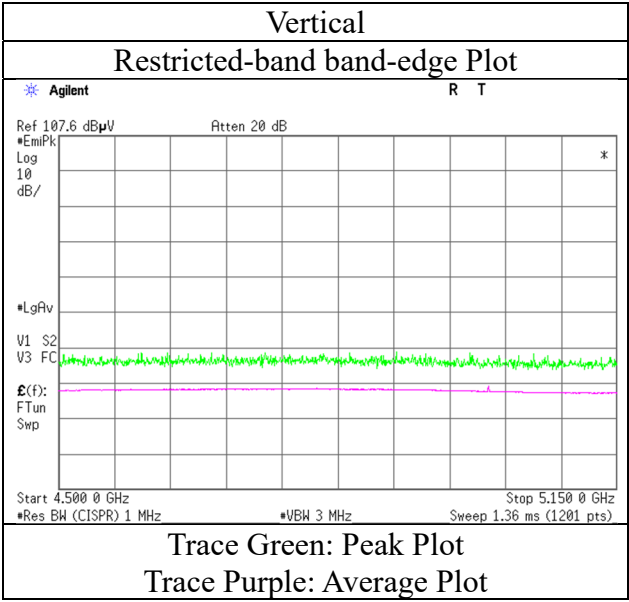
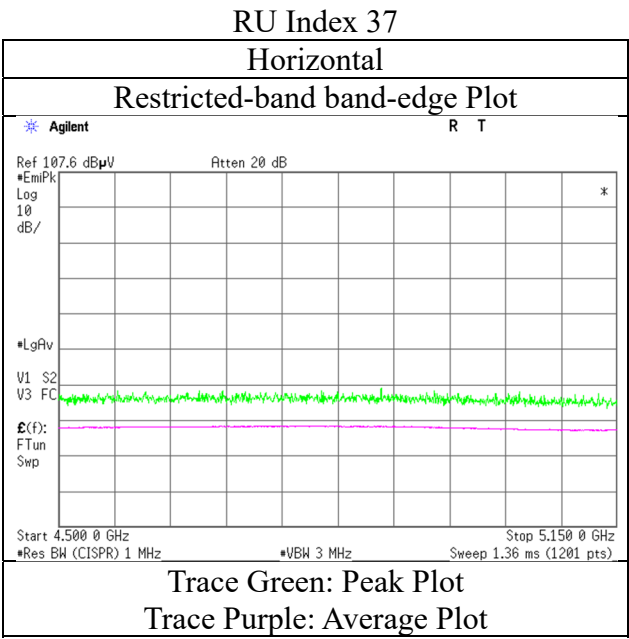
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5180 MHz (52-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5180 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	41.2	32.2	31.9	6.1	31.6	0.3	47.6	38.8	73.9	53.9	26.3	15.1	*1)
Vert.	5150.0	40.6	31.9	31.9	6.1	31.6	0.3	47.0	38.5	73.9	53.9	26.9	15.4	*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)

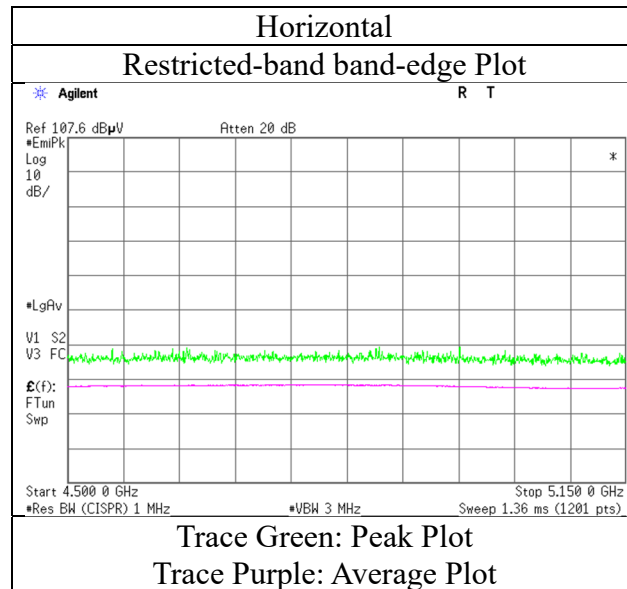
Distance factor:	1 GHz - 10 GHz	$20\log(3.9 \text{ m} / 3.0 \text{ m}) = 2.28 \text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$

Radiated Spurious Emission

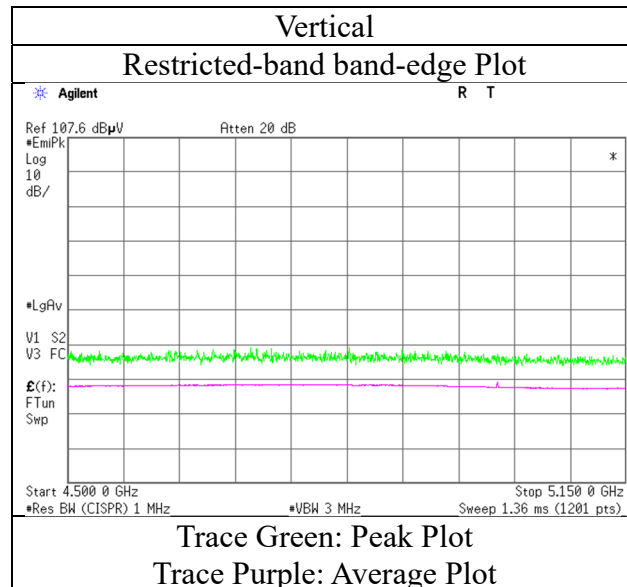
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5180 MHz (106-tone RU)

RU Index 53

Horizontal



Vertical



* 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5180 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	41.5	33.0	31.9	6.1	31.6	0.2	47.9	39.6	73.9	53.9	26.0	14.3	*1)
Vert.	5150.0	41.4	32.1	31.9	6.1	31.6	0.2	47.8	38.7	73.9	53.9	26.1	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

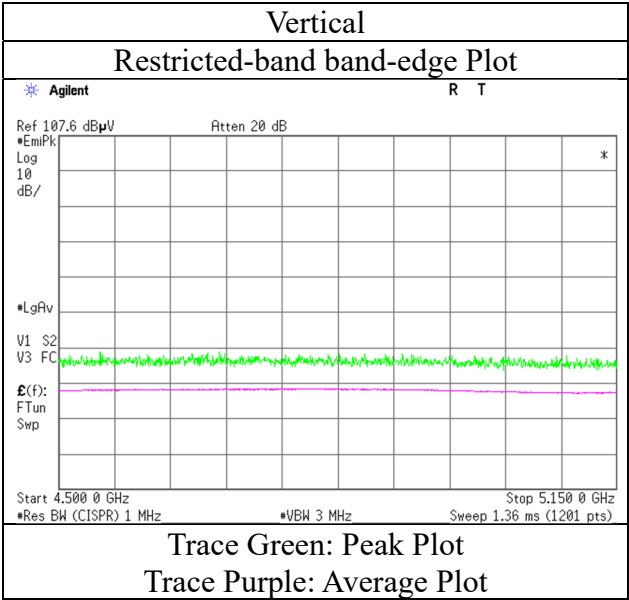
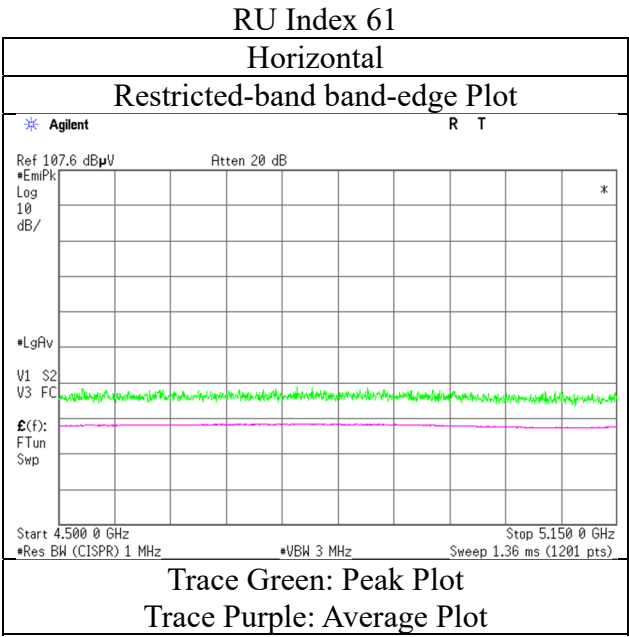
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5180 MHz (242-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (26-tone RU)

RU Index 8

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	40.9	31.9	31.7	6.2	31.6	0.3	47.2	38.3	73.9	53.9	26.7	15.6	*1)
Vert.	5350.0	41.1	32.0	31.7	6.2	31.6	0.3	47.3	38.5	73.9	53.9	26.6	15.4	*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

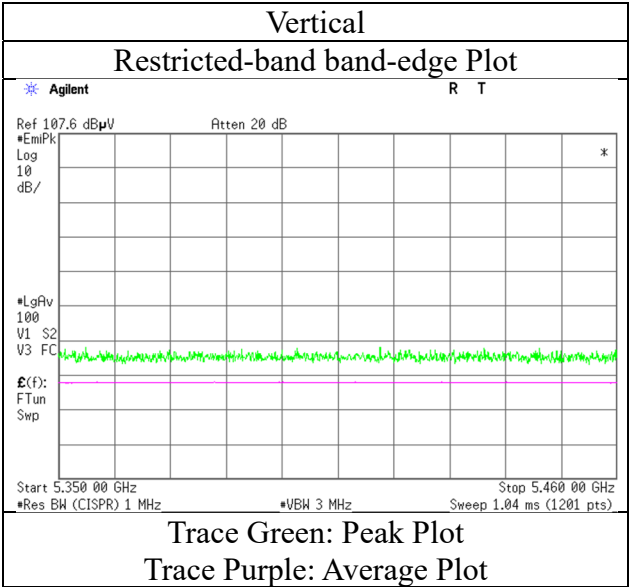
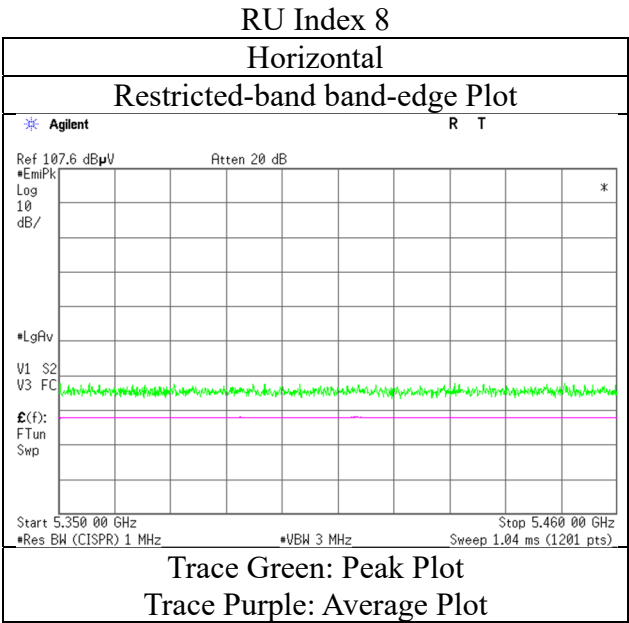
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5320 MHz (26-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (52-tone RU)

RU Index 40

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	40.2	32.0	31.7	6.2	31.6	0.3	46.4	38.4	73.9	53.9	27.5	15.5	*1)
Vert.	5350.0	41.0	31.9	31.7	6.2	31.6	0.3	47.3	38.4	73.9	53.9	26.6	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

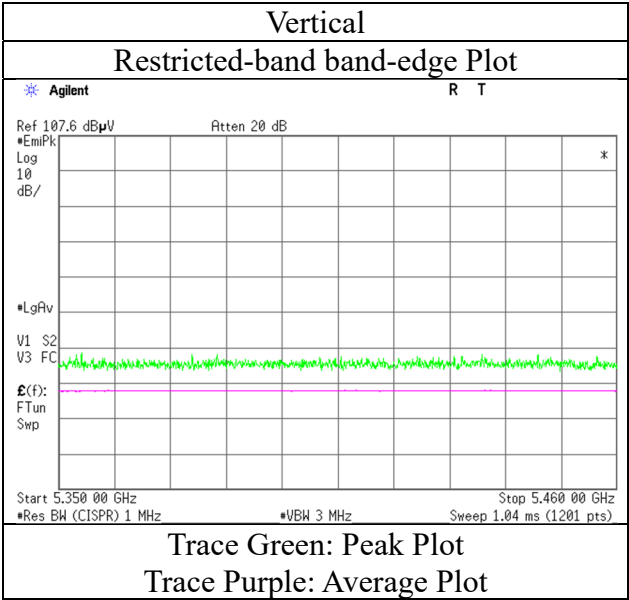
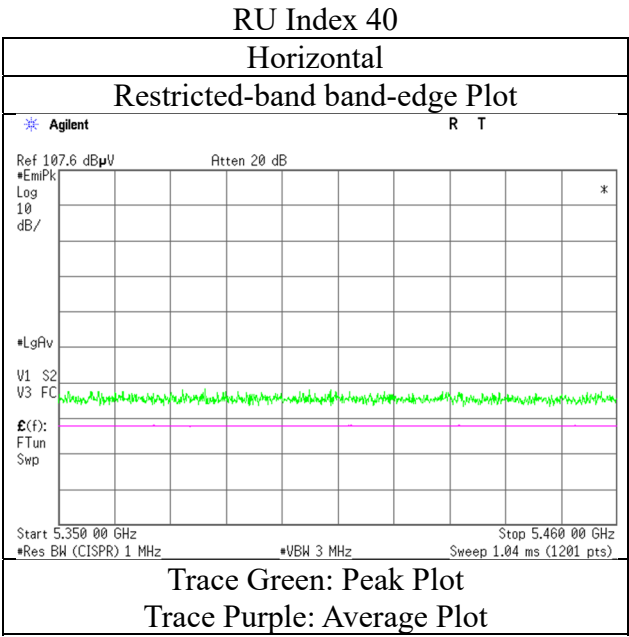
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5320 MHz (52-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (106-tone RU)

RU Index 54

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	40.9	32.4	31.7	6.2	31.6	0.3	47.2	38.9	73.9	53.9	26.8	15.0	*1)
Vert.	5350.0	41.1	32.1	31.7	6.2	31.6	0.3	47.4	38.6	73.9	53.9	26.5	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

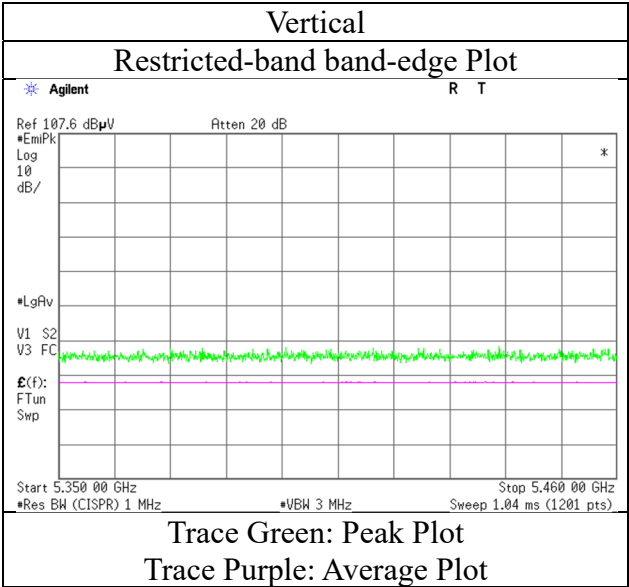
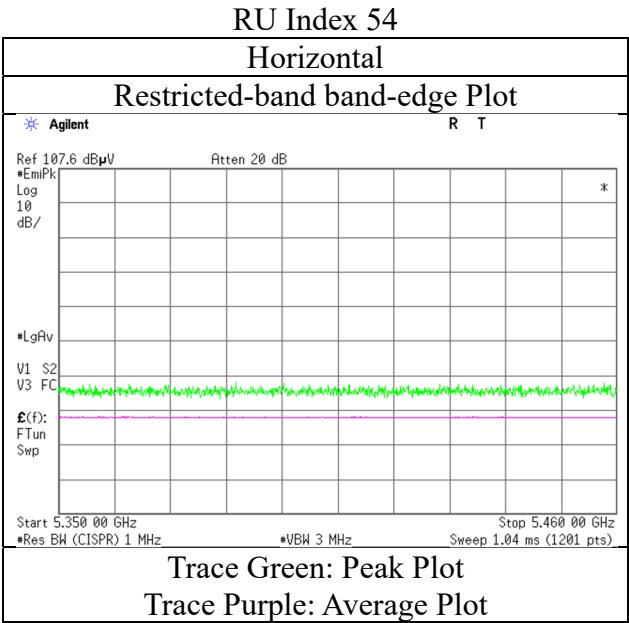
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5320 MHz (106-tone RU)



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Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 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.	5350.0	41.9	32.7	31.7	6.2	31.6	0.2	48.2	39.1	73.9	53.9	25.7	14.8	*1)
Vert.	5350.0	41.5	32.8	31.7	6.2	31.6	0.2	47.7	39.3	73.9	53.9	26.2	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

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Radiated Spurious Emission

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Mode

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No.3

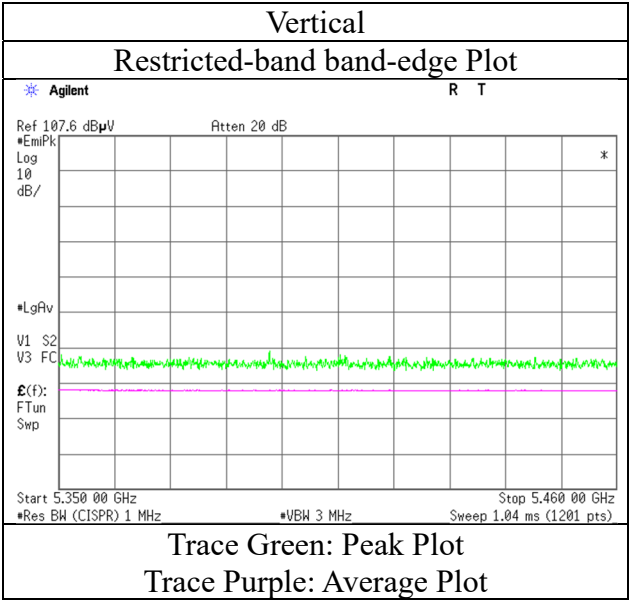
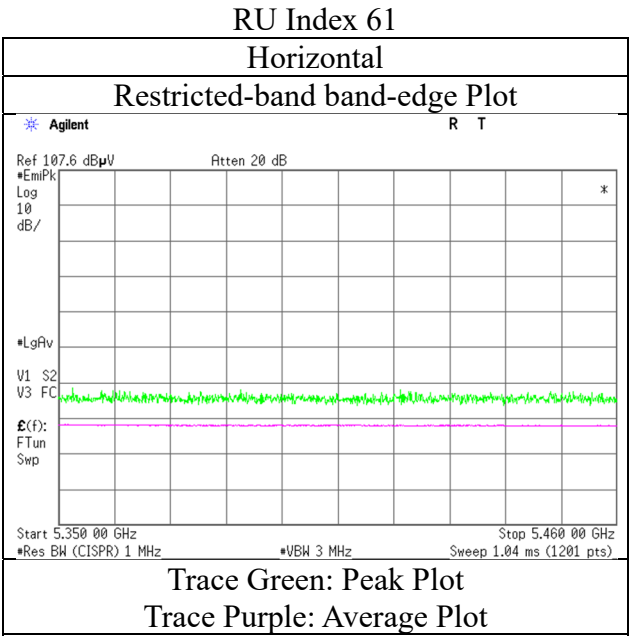
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(1 GHz - 10 GHz)

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Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 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	41.2	31.7	31.9	6.2	31.7	0.3	47.6	38.4	68.2	53.9	20.6	15.5	*1)
Hori.	5470.0	40.6	-	31.9	6.2	31.7	-	47.0	-	68.2	-	21.2	-	
Vert.	5460.0	40.3	31.8	31.9	6.2	31.7	0.3	46.8	38.5	68.2	53.9	21.4	15.4	*1)
Vert.	5470.0	40.4	-	31.9	6.2	31.7	-	46.8	-	68.2	-	21.4	-	

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

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No.3

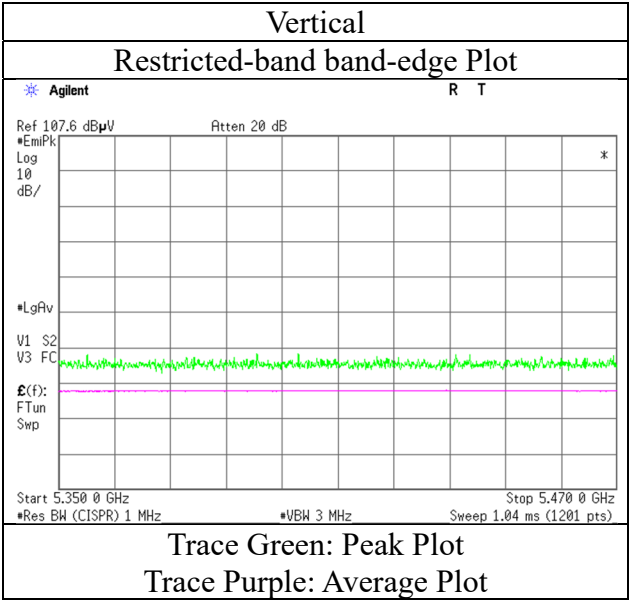
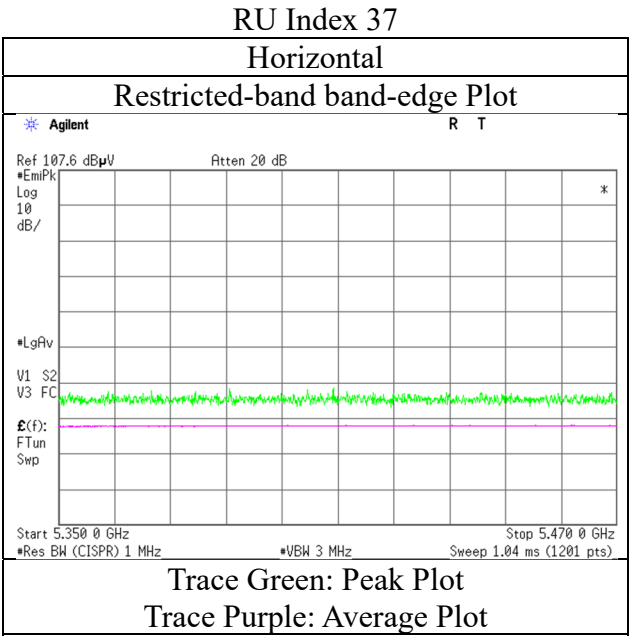
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5500 MHz (52-tone RU)



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Mode	Tx 11ax-20 5500 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	41.3	32.1	31.9	6.2	31.7	0.3	47.7	38.8	68.2	53.9	20.5	15.1	*1)
Hori.	5470.0	41.1	-	31.9	6.2	31.7	-	47.6	-	68.2	-	20.6	-	
Vert.	5460.0	41.2	32.0	31.9	6.2	31.7	0.3	47.7	38.7	68.2	53.9	20.5	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).

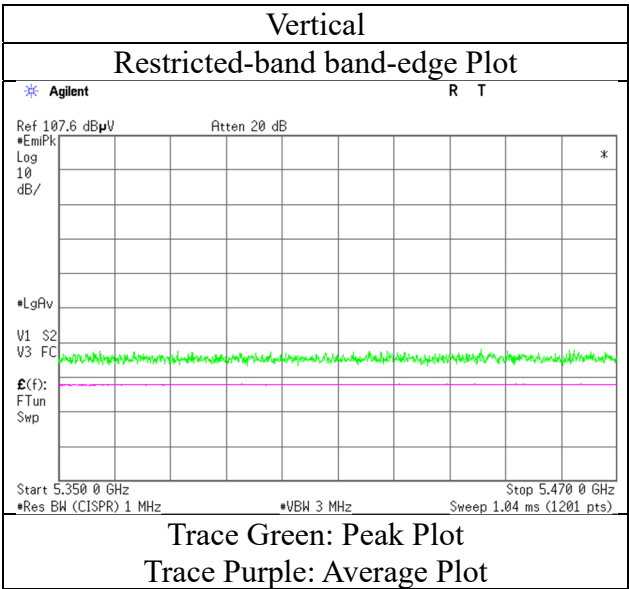
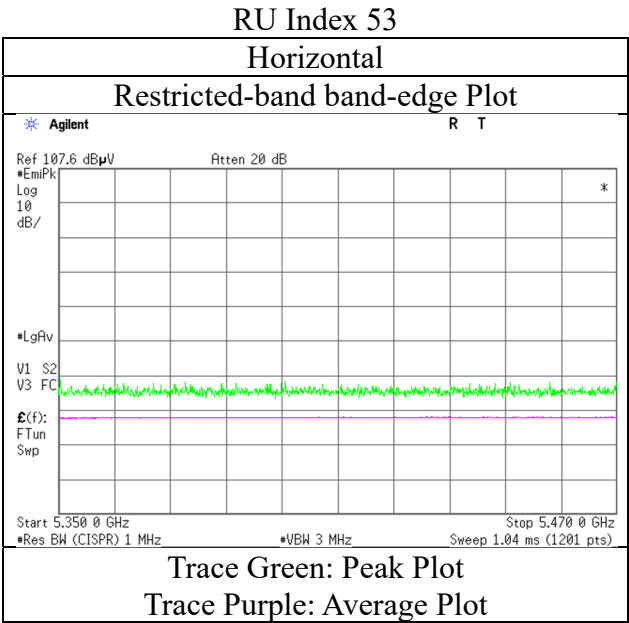
*QP detector was used up to 1GHz.

*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	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 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	43.0	33.7	31.9	6.2	31.7	0.2	49.4	40.4	68.2	53.9	18.8	13.5	*1)
Hori.	5470.0	44.8	-	31.9	6.2	31.7	-	51.2	-	68.2	-	17.0	-	
Vert.	5460.0	41.3	32.3	31.9	6.2	31.7	0.2	47.7	38.9	68.2	53.9	20.5	15.0	*1)
Vert.	5470.0	42.5	-	31.9	6.2	31.7	-	49.0	-	68.2	-	19.3	-	

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

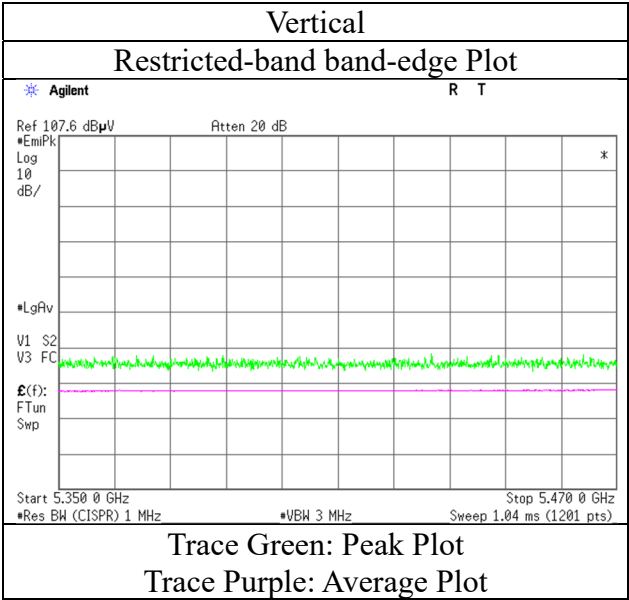
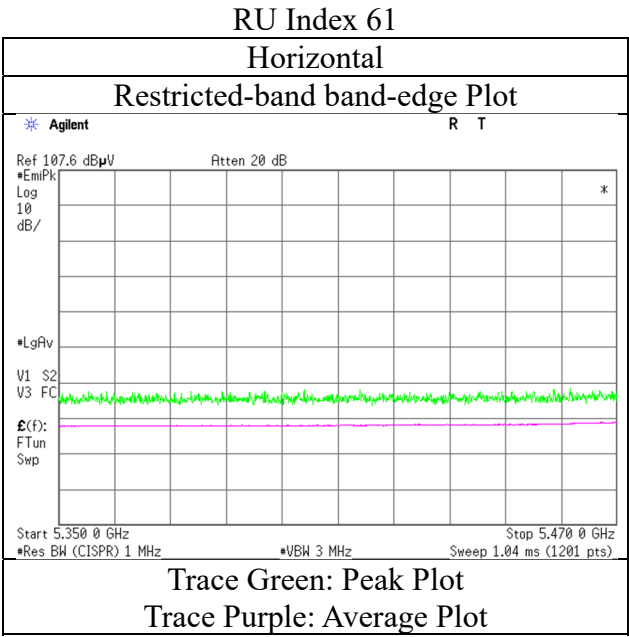
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5500 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (26-tone RU)

RU Index 8

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	41.2	-	32.1	6.3	31.7	-	48.0	-	68.2	-	20.2	-	
Vert.	5725.0	41.1	-	32.1	6.3	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.

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

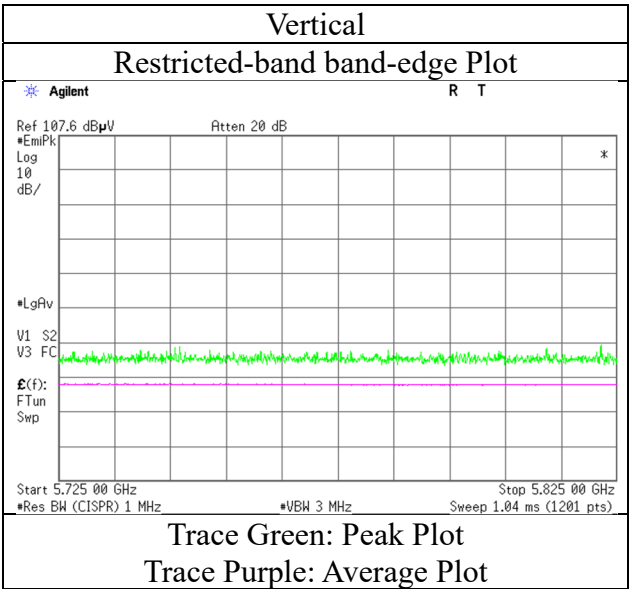
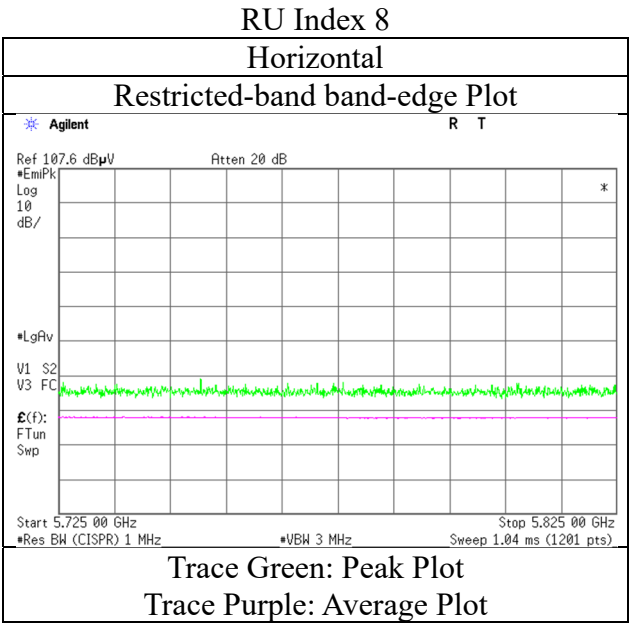
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5700 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (52-tone RU)

RU Index 40

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	41.3	-	32.1	6.3	31.7	-	48.1	-	68.2	-	20.1	-	
Vert.	5725.0	40.8	-	32.1	6.3	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.

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

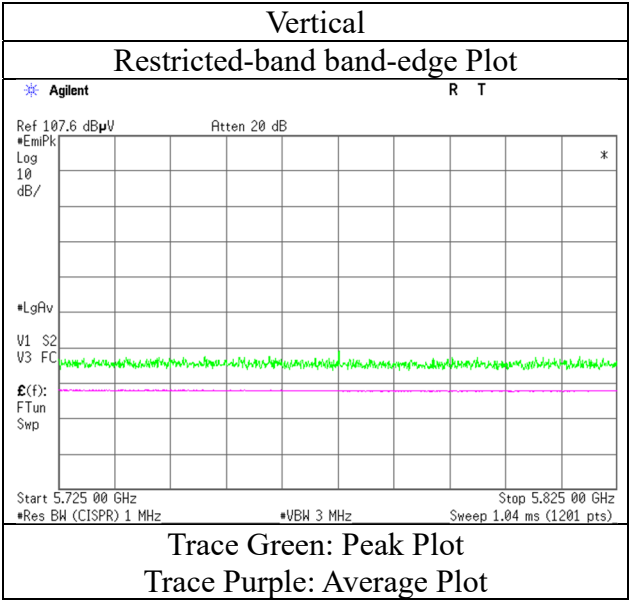
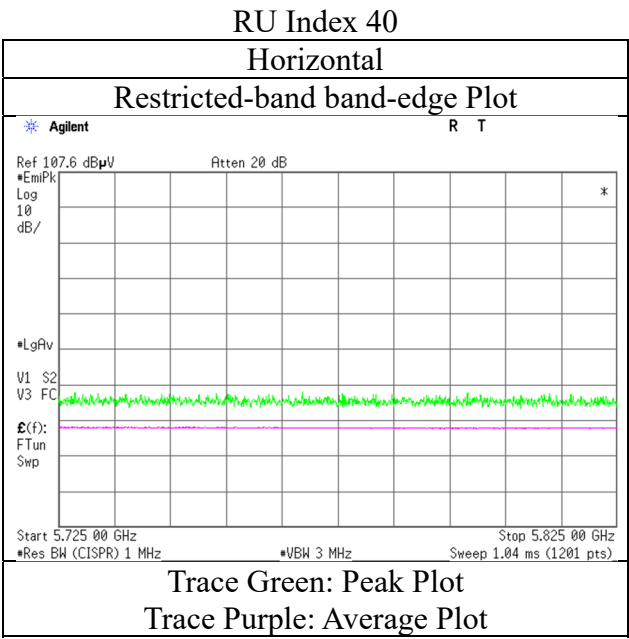
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5700 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (106-tone RU)

RU Index 54

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	41.9	-	32.1	6.3	31.7	-	48.7	-	68.2	-	19.5	-	
Vert.	5725.0	41.5	-	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	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$

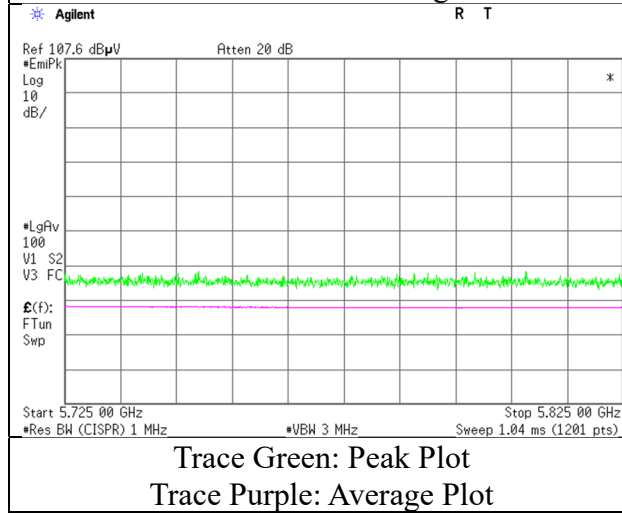
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (106-tone RU)

RU Index 54

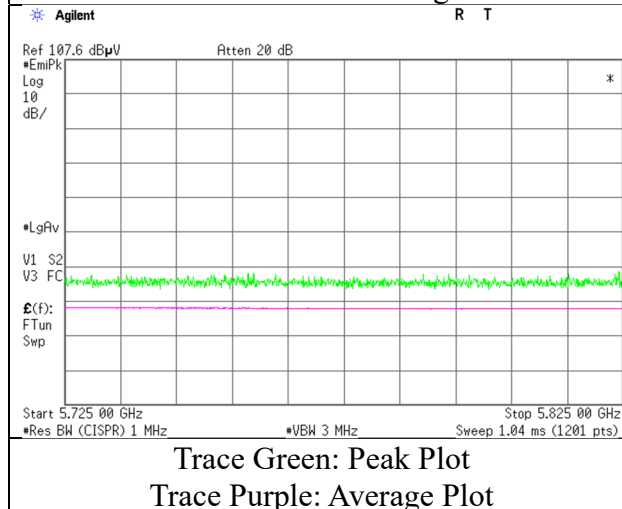
Horizontal

Restricted-band band-edge Plot



Vertical

Restricted-band band-edge Plot



* 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 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.	5725.0	50.9	-	32.1	6.3	31.7	-	57.7	-	68.2	-	10.5	-	
Vert.	5725.0	44.2	-	32.1	6.3	31.7	-	50.9	-	68.2	-	17.3	-	

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.

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

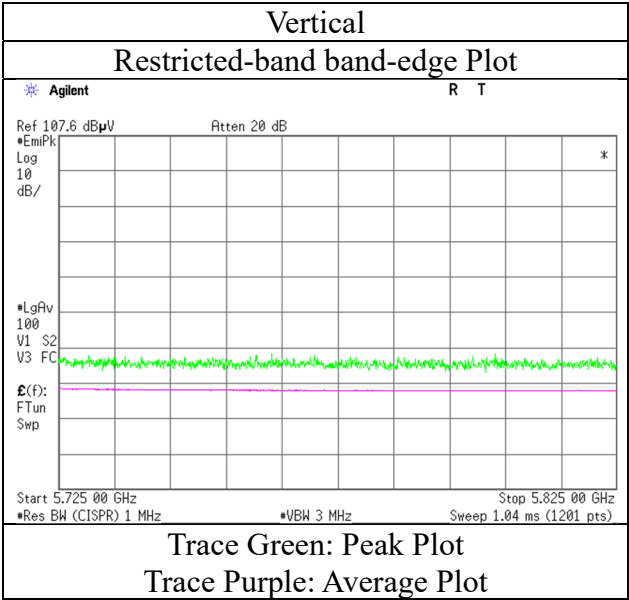
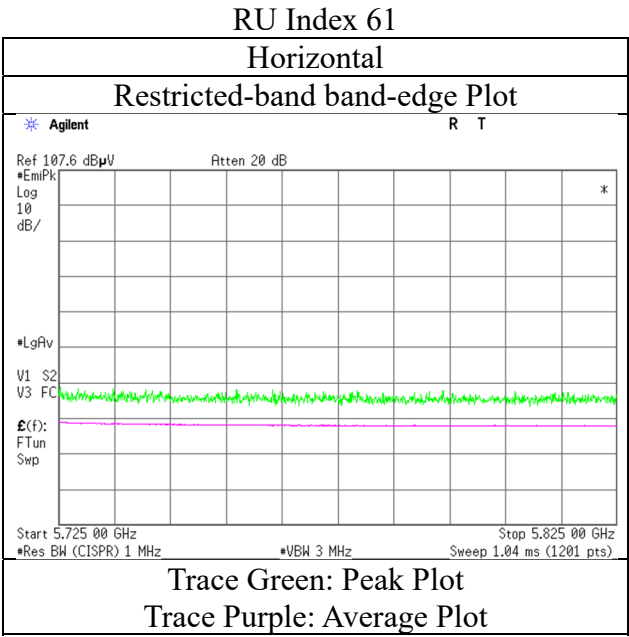
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5700 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 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	41.1	-	31.9	6.3	31.7	-	47.6	-	68.2	-	20.6	-	
Hori.	5700.0	40.5	-	32.1	6.3	31.7	-	47.2	-	105.2	-	58.0	-	
Hori.	5720.0	40.8	-	32.1	6.3	31.7	-	47.5	-	110.8	-	63.3	-	
Hori.	5725.0	41.8	-	32.1	6.3	31.7	-	48.6	-	122.2	-	73.7	-	
Vert.	5650.0	40.0	-	31.9	6.3	31.7	-	46.6	-	68.2	-	21.6	-	
Vert.	5700.0	40.0	-	32.1	6.3	31.7	-	46.7	-	105.2	-	58.5	-	
Vert.	5720.0	40.1	-	32.1	6.3	31.7	-	46.9	-	110.8	-	63.9	-	
Vert.	5725.0	43.1	-	32.1	6.3	31.7	-	49.9	-	122.2	-	72.3	-	

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

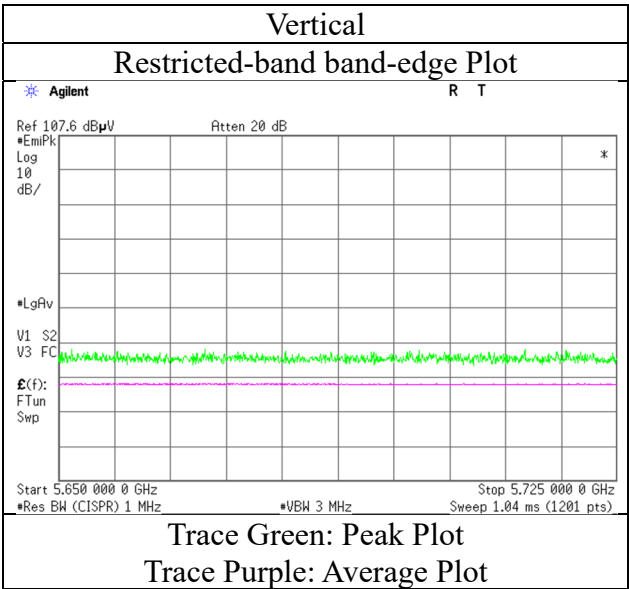
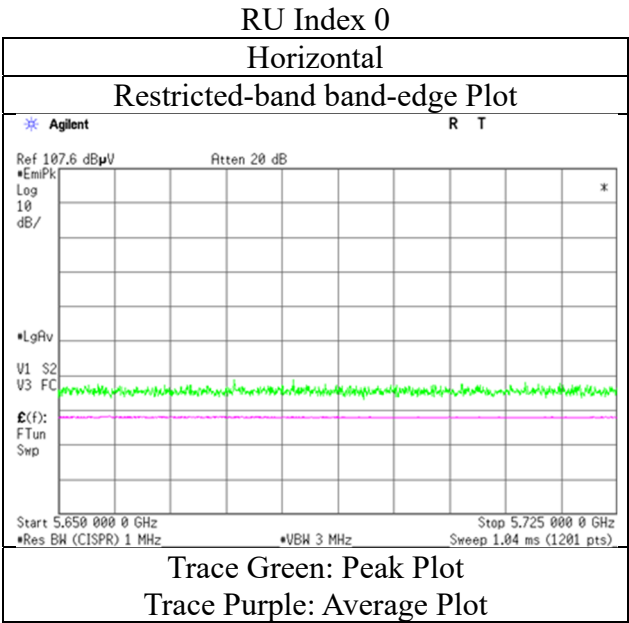
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 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	40.5	-	32.1	6.3	31.7	-	47.2	-	105.2	-	58.0	-	
Hori.	5720.0	40.2	-	32.1	6.3	31.7	-	47.0	-	110.8	-	63.8	-	
Hori.	5725.0	41.2	-	32.1	6.3	31.7	-	48.0	-	122.2	-	74.2	-	
Vert.	5650.0	40.5	-	31.9	6.3	31.7	-	47.1	-	68.2	-	21.1	-	
Vert.	5700.0	41.4	-	32.1	6.3	31.7	-	48.1	-	105.2	-	57.1	-	
Vert.	5720.0	41.0	-	32.1	6.3	31.7	-	47.8	-	110.8	-	63.0	-	
Vert.	5725.0	41.7	-	32.1	6.3	31.7	-	48.5	-	122.2	-	73.7	-	

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

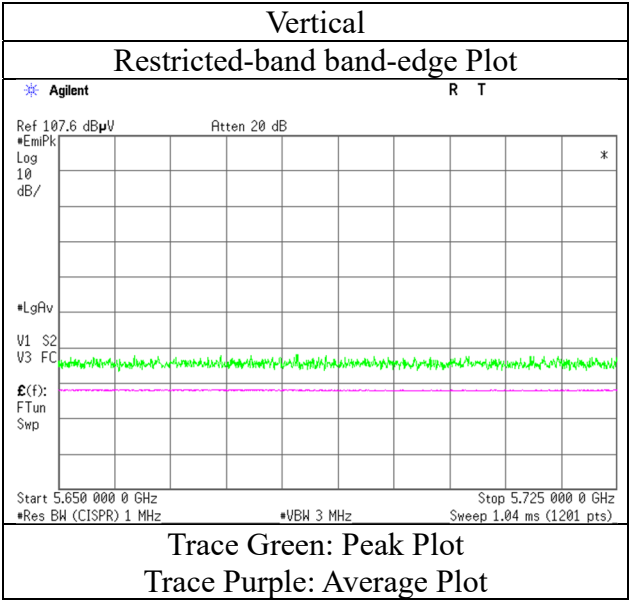
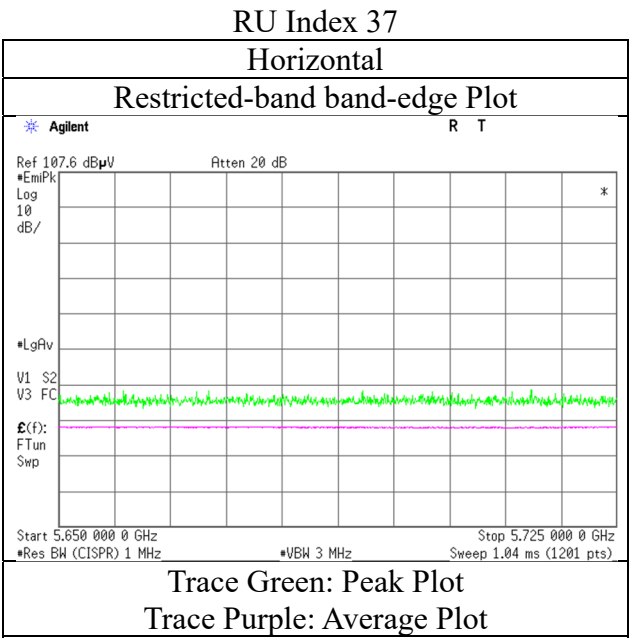
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5745 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 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	40.3	-	31.9	6.3	31.7	-	46.9	-	68.2	-	21.3	-	
Hori.	5700.0	41.8	-	32.1	6.3	31.7	-	48.5	-	105.2	-	56.7	-	
Hori.	5720.0	42.6	-	32.1	6.3	31.7	-	49.4	-	110.8	-	61.5	-	
Hori.	5725.0	42.0	-	32.1	6.3	31.7	-	48.8	-	122.2	-	73.5	-	
Vert.	5650.0	40.8	-	31.9	6.3	31.7	-	47.3	-	68.2	-	20.9	-	
Vert.	5700.0	40.4	-	32.1	6.3	31.7	-	47.1	-	105.2	-	58.1	-	
Vert.	5720.0	41.3	-	32.1	6.3	31.7	-	48.0	-	110.8	-	62.8	-	
Vert.	5725.0	41.7	-	32.1	6.3	31.7	-	48.4	-	122.2	-	73.8	-	

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

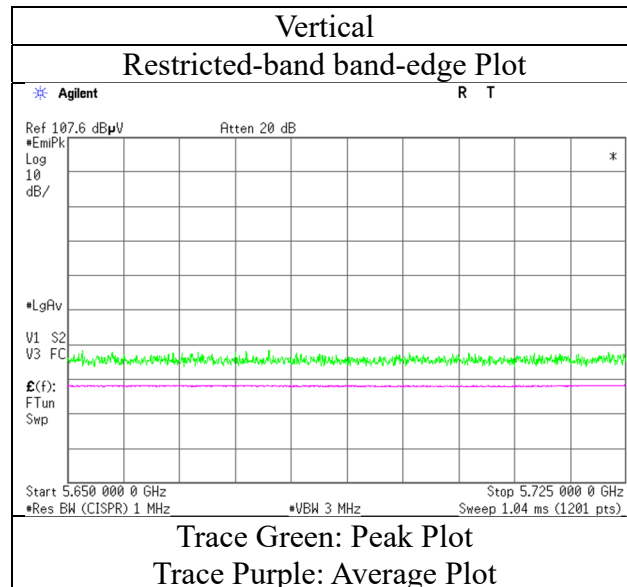
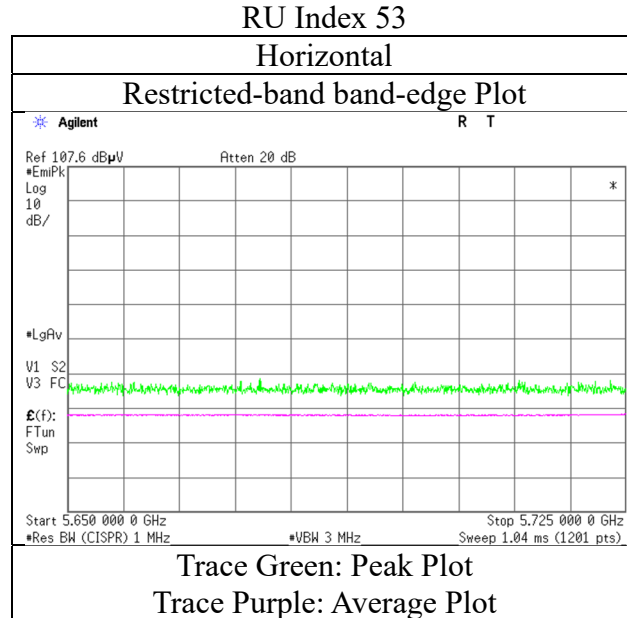
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*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	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	January 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
Mode	(1 GHz - 10 GHz) Tx 11ax-20 5745 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 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	40.8	-	31.9	6.3	31.7	-	47.3	-	68.2	-	20.9	-	
Hori.	5700.0	45.0	-	32.1	6.3	31.7	-	51.7	-	105.2	-	53.5	-	
Hori.	5720.0	53.3	-	32.1	6.3	31.7	-	60.1	-	110.8	-	50.7	-	
Hori.	5723.0	58.3	-	32.1	6.3	31.7	-	65.0	-	117.6	-	52.6	-	
Hori.	5725.0	57.9	-	32.1	6.3	31.7	-	64.7	-	122.2	-	57.5	-	
Vert.	5650.0	41.0	-	31.9	6.3	31.7	-	47.5	-	68.2	-	20.7	-	
Vert.	5700.0	40.5	-	32.1	6.3	31.7	-	47.1	-	105.2	-	58.1	-	
Vert.	5720.0	49.9	-	32.1	6.3	31.7	-	56.7	-	110.8	-	54.1	-	
Vert.	5723.0	57.1	-	32.1	6.3	31.7	-	63.9	-	117.6	-	53.8	-	
Vert.	5725.0	57.2	-	32.1	6.3	31.7	-	64.0	-	122.2	-	58.2	-	

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

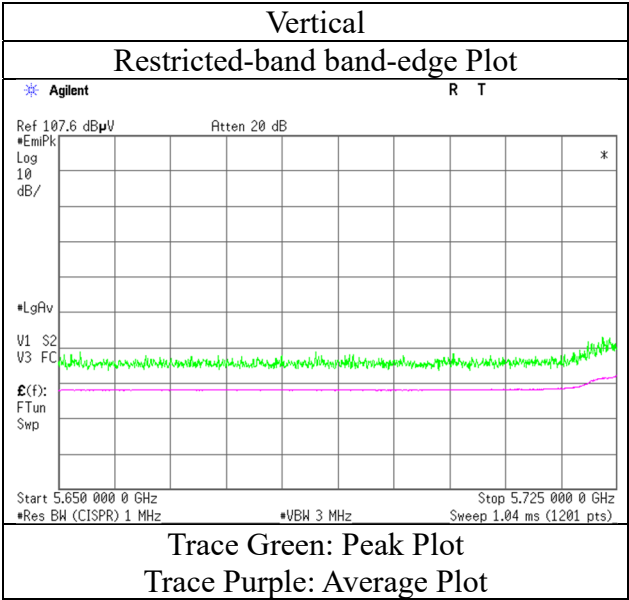
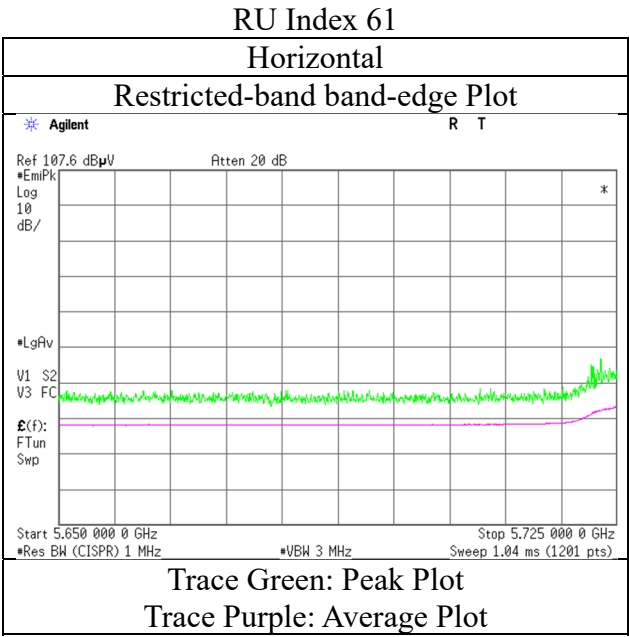
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5745 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (26-tone RU)

RU Index 8

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	40.5	-	32.5	6.4	31.7	-	47.6	-	122.2	-	74.6	-	
Hori.	5855.0	40.6	-	32.5	6.4	31.7	-	47.7	-	110.8	-	63.1	-	
Hori.	5875.0	40.1	-	32.5	6.4	31.7	-	47.2	-	105.2	-	58.0	-	
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	40.8	-	32.5	6.4	31.7	-	48.0	-	110.8	-	62.9	-	
Vert.	5875.0	40.3	-	32.5	6.4	31.7	-	47.5	-	105.2	-	57.7	-	
Vert.	5925.0	40.4	-	32.5	6.4	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.

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

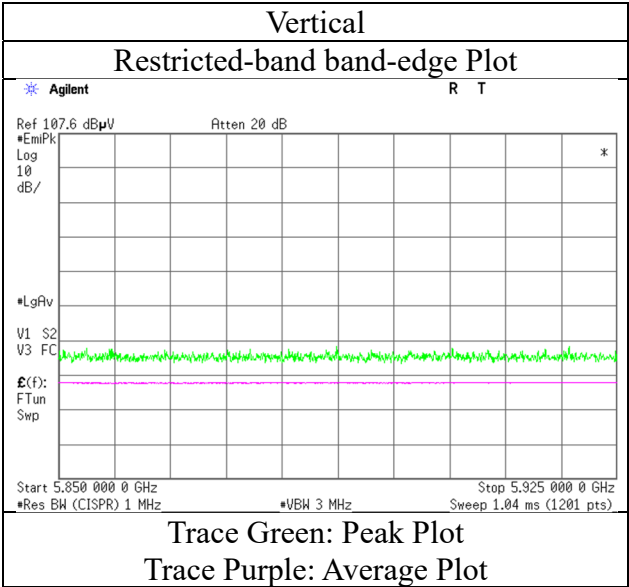
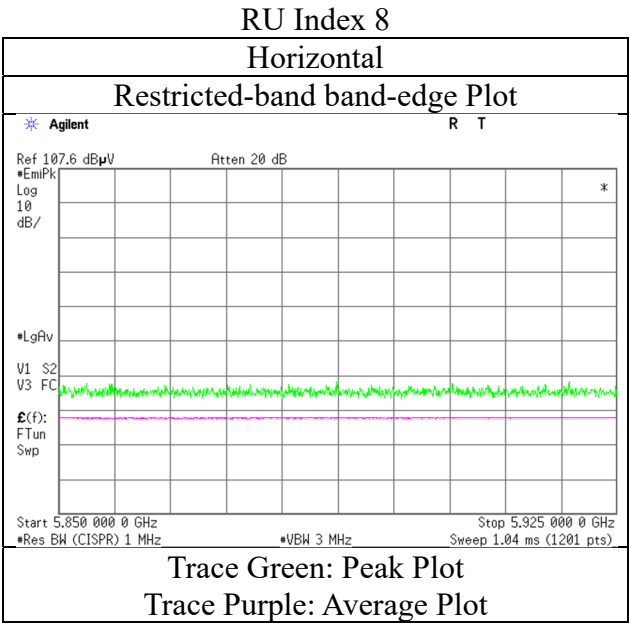
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5825 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (52-tone RU)

RU Index 40

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	41.3	-	32.5	6.4	31.7	-	48.4	-	122.2	-	73.8	-	
Hori.	5855.0	41.8	-	32.5	6.4	31.7	-	49.0	-	110.8	-	61.8	-	
Hori.	5875.0	41.6	-	32.5	6.4	31.7	-	48.8	-	105.2	-	56.5	-	
Hori.	5925.0	41.4	-	32.5	6.4	31.7	-	48.5	-	68.2	-	19.7	-	
Vert.	5850.0	41.3	-	32.5	6.4	31.7	-	48.4	-	122.2	-	73.8	-	
Vert.	5855.0	40.7	-	32.5	6.4	31.7	-	47.8	-	110.8	-	63.0	-	
Vert.	5875.0	40.7	-	32.5	6.4	31.7	-	47.8	-	105.2	-	57.4	-	
Vert.	5925.0	40.9	-	32.5	6.4	31.7	-	48.1	-	68.2	-	20.1	-	

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

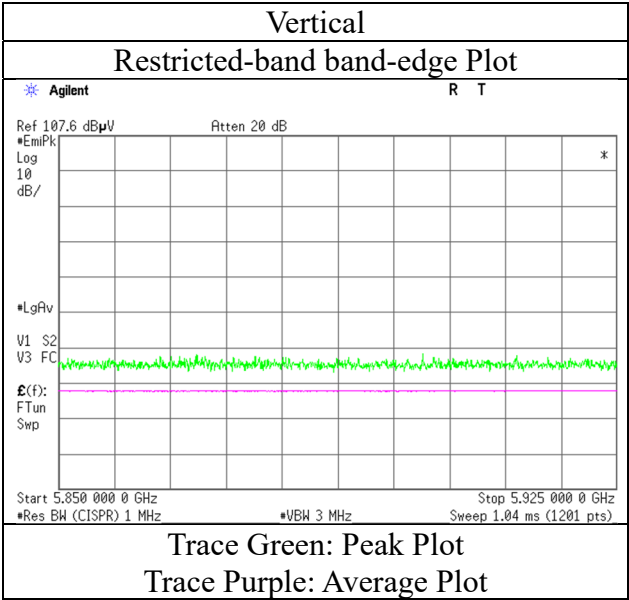
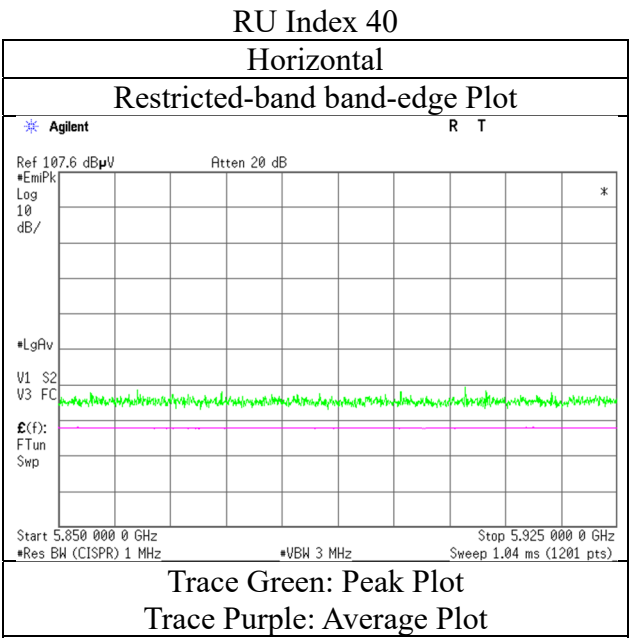
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5825 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (106-tone RU)

RU Index 54

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	41.9	-	32.5	6.4	31.7	-	49.1	-	122.2	-	73.1	-	
Hori.	5855.0	40.9	-	32.5	6.4	31.7	-	48.0	-	110.8	-	62.8	-	
Hori.	5875.0	40.7	-	32.5	6.4	31.7	-	47.8	-	105.2	-	57.4	-	
Hori.	5925.0	40.3	-	32.5	6.4	31.7	-	47.5	-	68.2	-	20.7	-	
Vert.	5850.0	41.9	-	32.5	6.4	31.7	-	49.0	-	122.2	-	73.2	-	
Vert.	5855.0	40.4	-	32.5	6.4	31.7	-	47.5	-	110.8	-	63.3	-	
Vert.	5875.0	41.0	-	32.5	6.4	31.7	-	48.1	-	105.2	-	57.1	-	
Vert.	5925.0	41.2	-	32.5	6.4	31.7	-	48.4	-	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

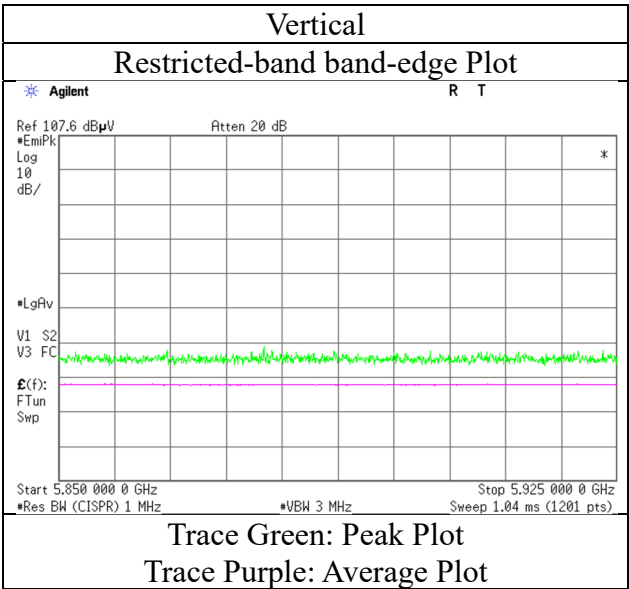
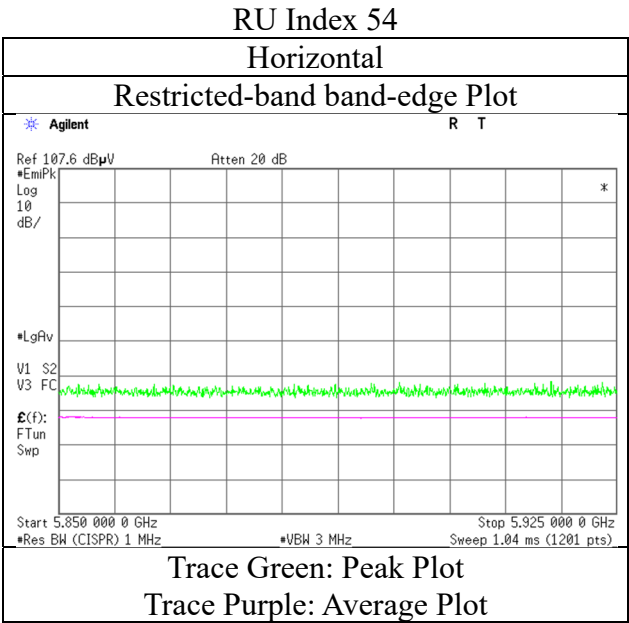
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5825 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 19, 2022
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 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.	5850.0	56.0	-	32.5	6.4	31.7	-	63.1	-	122.2	-	59.1	-	
Hori.	5855.0	47.5	-	32.5	6.4	31.7	-	54.6	-	110.8	-	56.2	-	
Hori.	5875.0	42.0	-	32.5	6.4	31.7	-	49.2	-	105.2	-	56.1	-	
Hori.	5925.0	41.5	-	32.5	6.4	31.7	-	48.6	-	68.2	-	19.6	-	
Vert.	5850.0	55.7	-	32.5	6.4	31.7	-	62.9	-	122.2	-	59.4	-	
Vert.	5855.0	44.9	-	32.5	6.4	31.7	-	52.0	-	110.8	-	58.8	-	
Vert.	5875.0	41.5	-	32.5	6.4	31.7	-	48.6	-	105.2	-	56.6	-	
Vert.	5925.0	40.9	-	32.5	6.4	31.7	-	48.1	-	68.2	-	20.1	-	

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

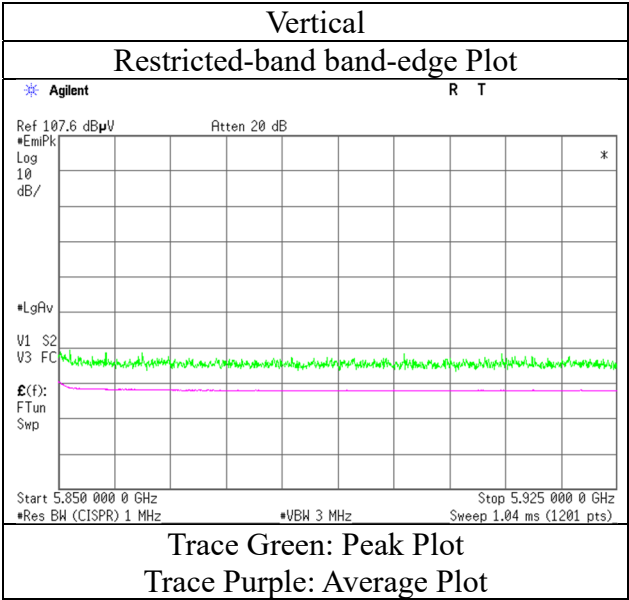
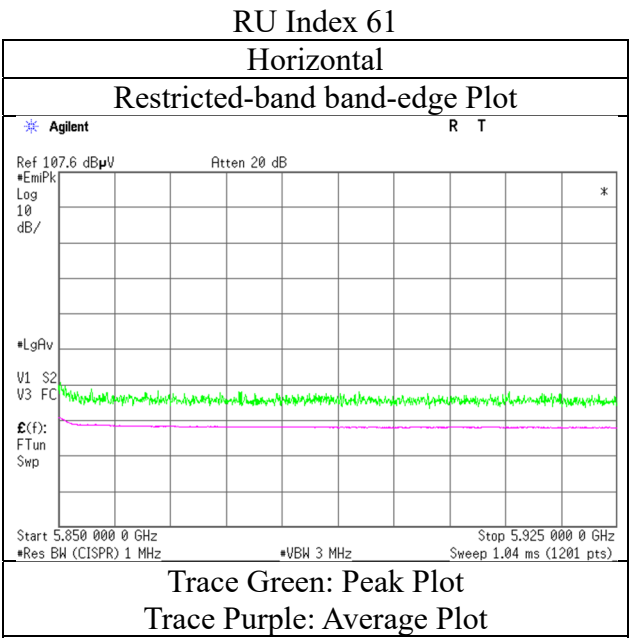
January 19, 2022

21 deg. C / 38 % RH

Hiroki Numata

(1 GHz - 10 GHz)

Tx 11ax-20 5825 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 5190 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	40.4	32.0	31.9	6.1	31.6	0.3	46.8	38.6	73.9	53.9	27.2	15.3	*1)
Vert.	5150.0	40.6	32.1	31.9	6.1	31.6	0.3	47.0	38.7	73.9	53.9	26.9	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

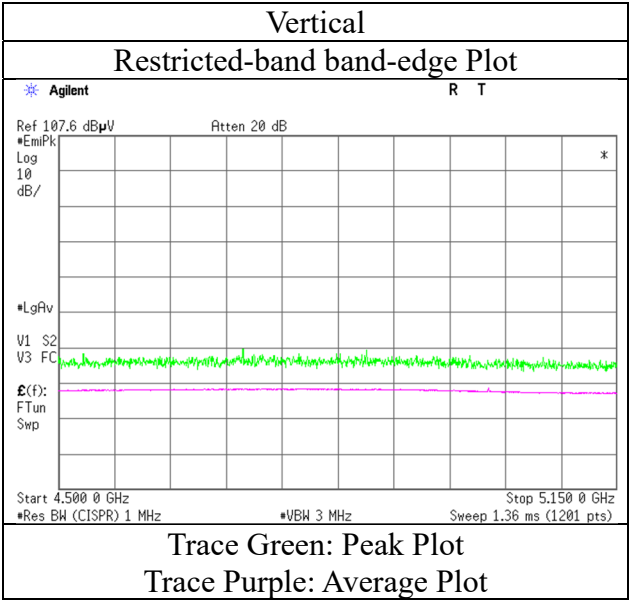
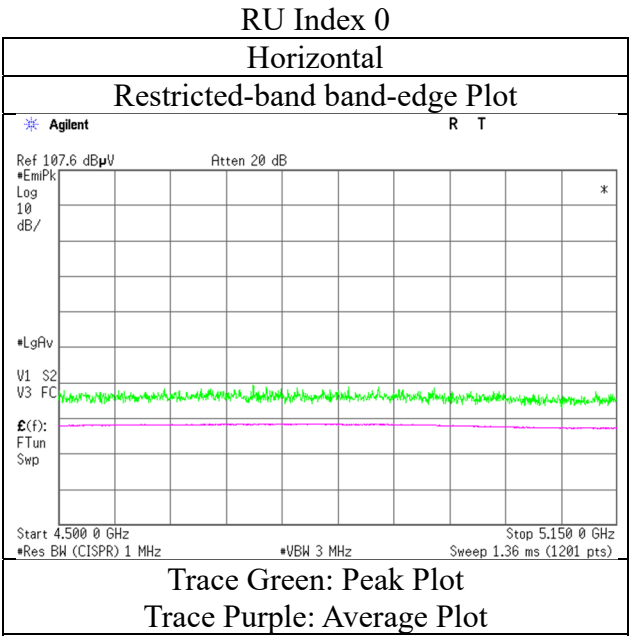
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5190 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 5190 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	40.9	32.3	31.9	6.1	31.6	0.3	47.3	38.9	73.9	53.9	26.6	15.0	*1)
Vert.	5150.0	40.1	32.0	31.9	6.1	31.6	0.3	46.5	38.6	73.9	53.9	27.5	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

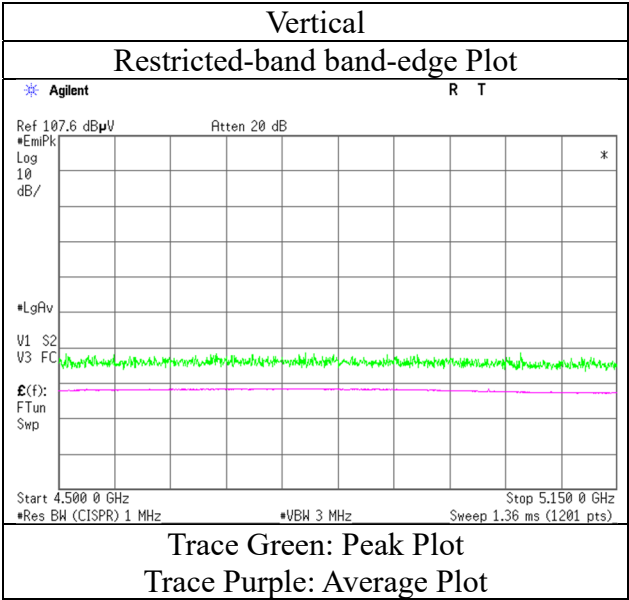
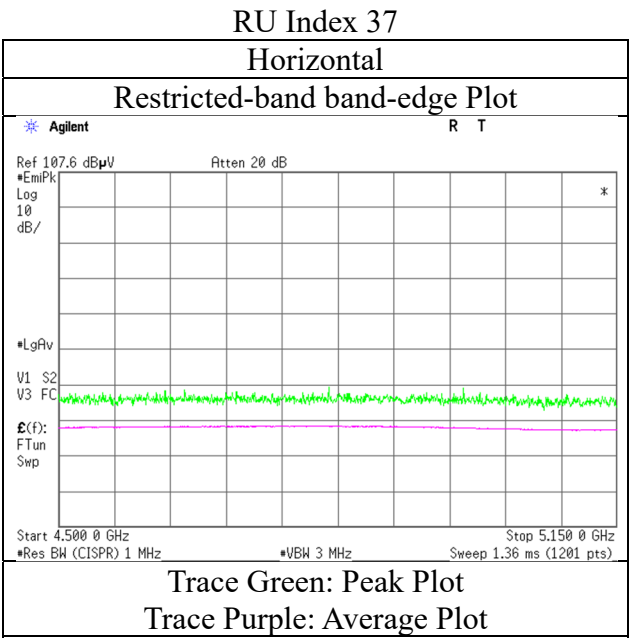
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5190 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 5190 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	40.8	32.3	31.9	6.1	31.6	0.3	47.2	39.0	73.9	53.9	26.7	14.9	*1)
Vert.	5150.0	40.8	31.9	31.9	6.1	31.6	0.3	47.2	38.6	73.9	53.9	26.7	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

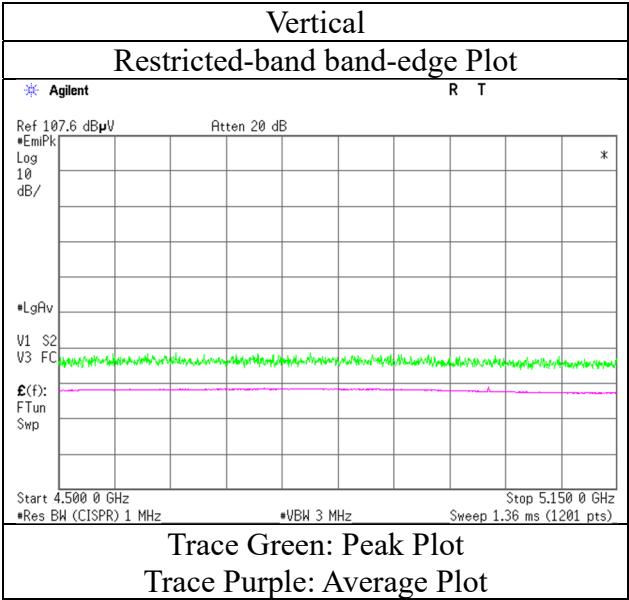
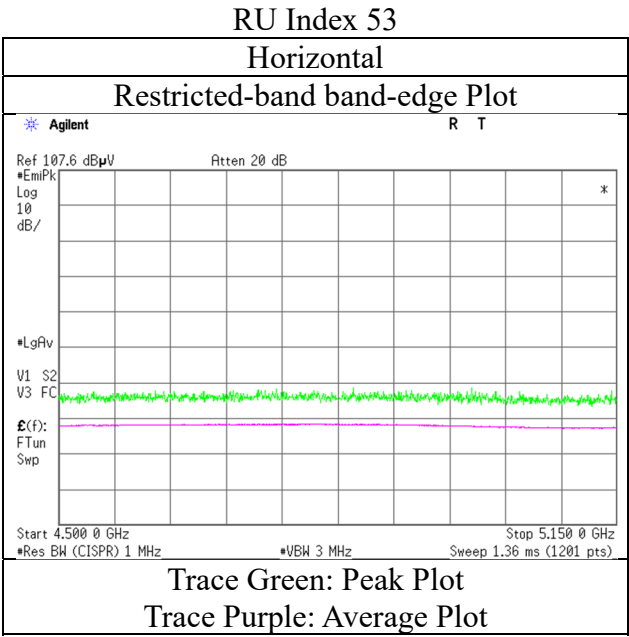
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5190 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 5190 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	41.3	33.6	31.9	6.1	31.6	0.3	47.6	40.2	73.9	53.9	26.3	13.7	*1)
Vert.	5150.0	40.8	32.6	31.9	6.1	31.6	0.3	47.2	39.3	73.9	53.9	26.7	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

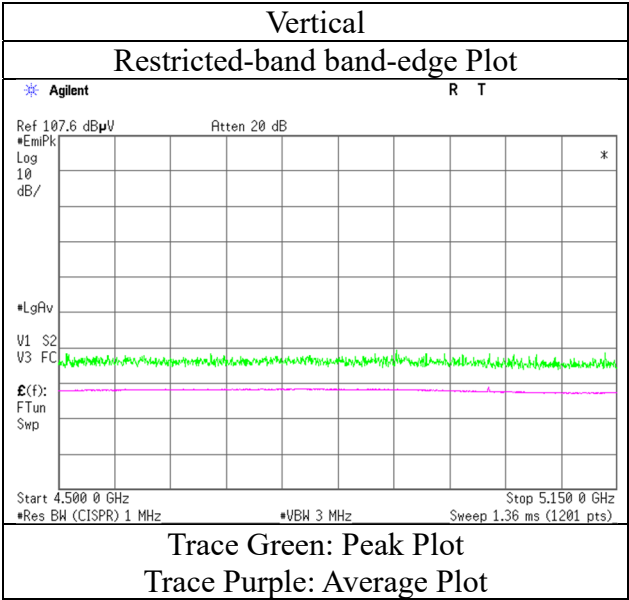
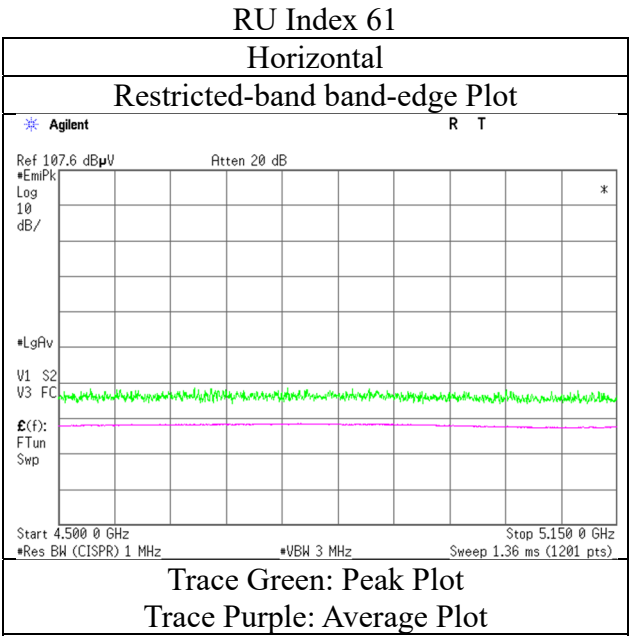
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5190 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 5190 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	42.2	33.7	31.9	6.1	31.6	0.3	48.6	40.3	73.9	53.9	25.3	13.6	*1)
Vert.	5150.0	42.5	32.8	31.9	6.1	31.6	0.3	48.9	39.5	73.9	53.9	25.1	14.5	*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

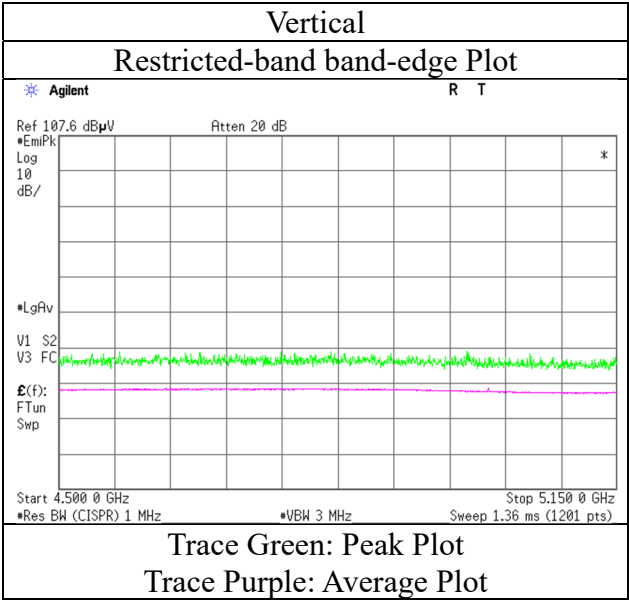
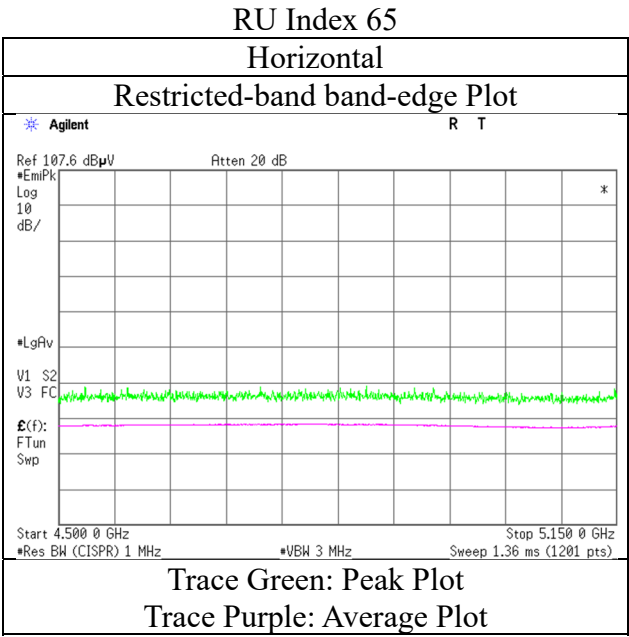
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5190 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 5310 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.	5350.0	40.5	32.5	31.7	6.2	31.6	0.3	46.8	39.0	73.9	53.9	27.1	14.9	*1)
Vert.	5350.0	40.8	32.6	31.7	6.2	31.6	0.3	47.0	39.0	73.9	53.9	26.9	14.9	*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

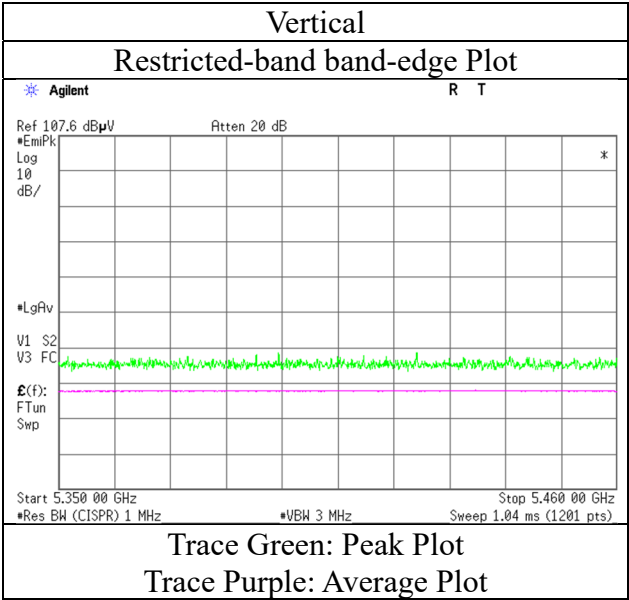
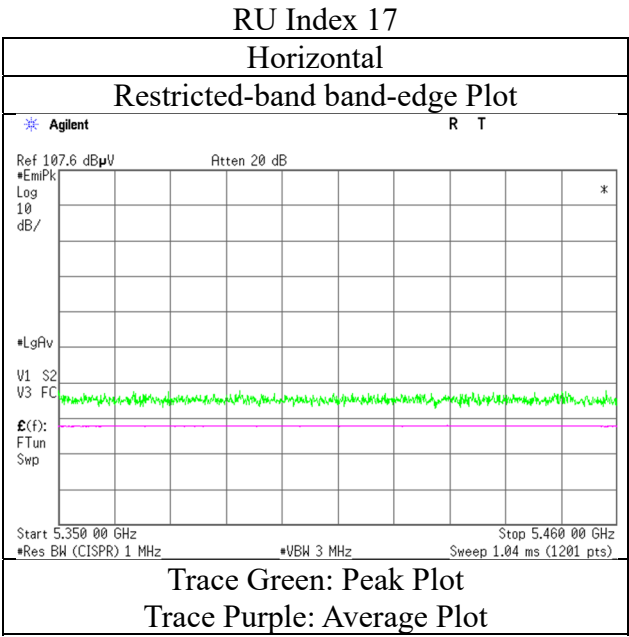
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5310 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 5310 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.	5350.0	40.8	32.6	31.7	6.2	31.6	0.3	47.0	39.1	73.9	53.9	26.9	14.8	*1)
Vert.	5350.0	40.7	32.2	31.7	6.2	31.6	0.3	46.9	38.7	73.9	53.9	27.0	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

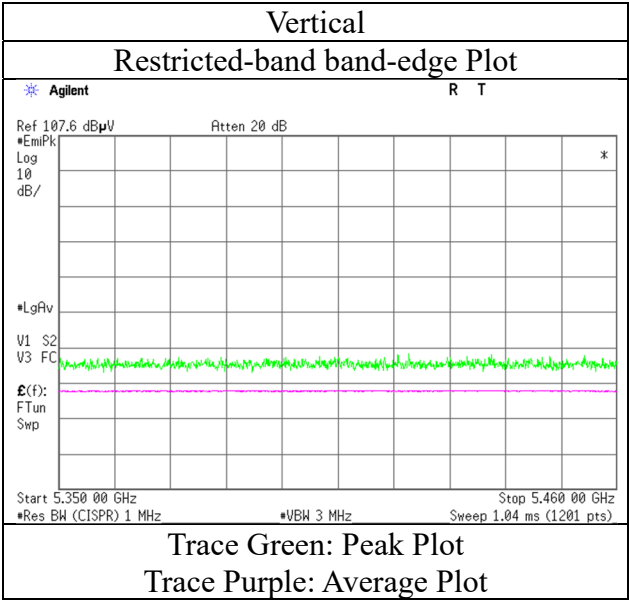
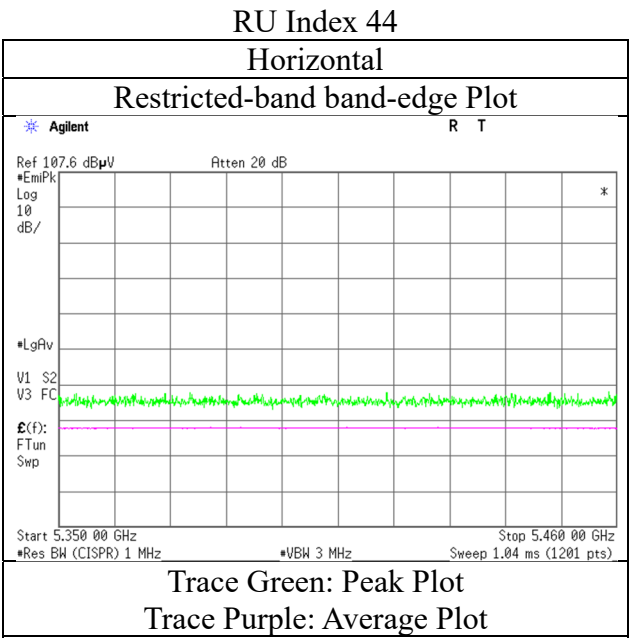
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5310 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 5310 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.	5350.0	41.1	32.9	31.7	6.2	31.6	0.3	47.3	39.4	73.9	53.9	26.6	14.6	*1)
Vert.	5350.0	41.0	32.2	31.7	6.2	31.6	0.3	47.2	38.7	73.9	53.9	26.7	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

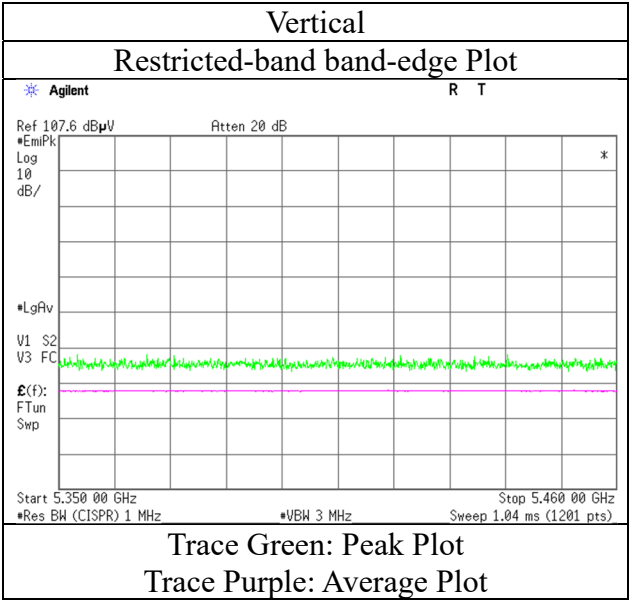
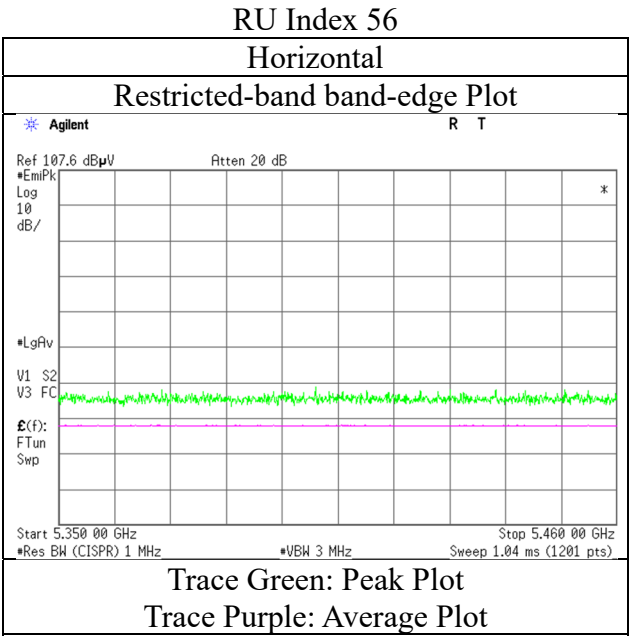
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5310 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 5310 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.	5350.0	42.5	34.2	31.7	6.2	31.6	0.3	48.7	40.7	73.9	53.9	25.2	13.2	*1)
Vert.	5350.0	41.9	32.9	31.7	6.2	31.6	0.3	48.1	39.4	73.9	53.9	25.8	14.5	*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

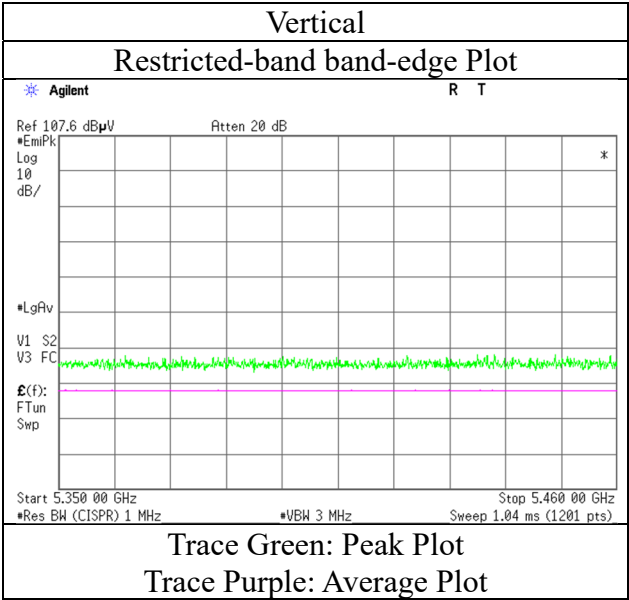
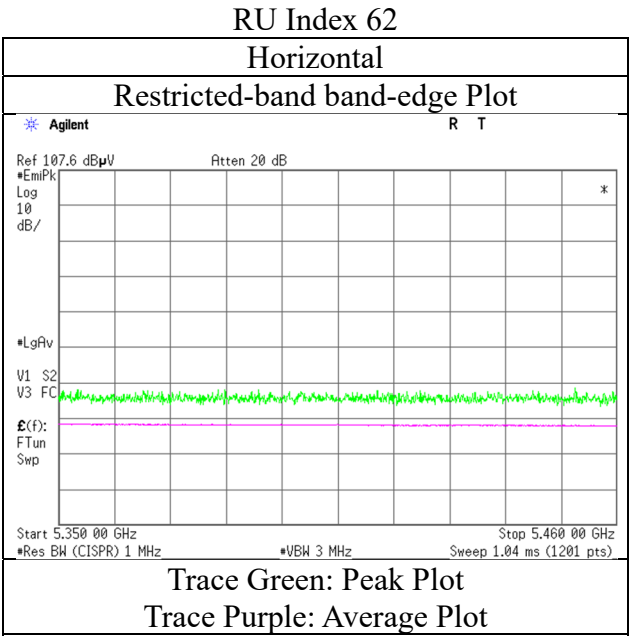
January 20, 2022

20 deg. C / 37 % RH

Nachi Konegawa

(1 GHz - 10 GHz)

Tx 11ax-40 5310 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 5310 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.	5350.0	45.3	36.2	31.7	6.2	31.6	0.3	51.5	42.7	73.9	53.9	22.4	11.2	*1)
Vert.	5350.0	42.6	33.9	31.7	6.2	31.6	0.3	48.8	40.4	73.9	53.9	25.1	13.5	*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	$20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$