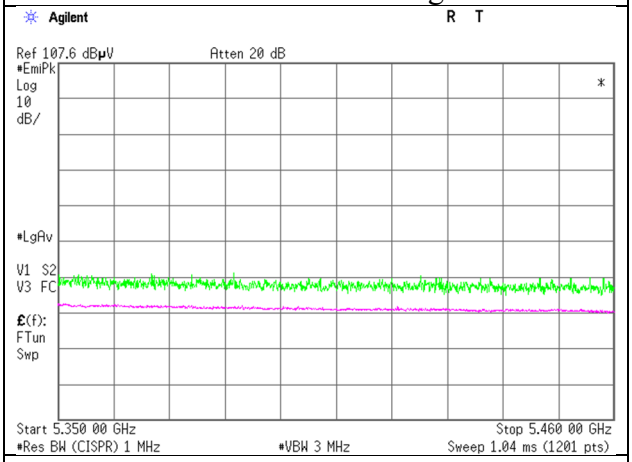
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 28, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (52-tone RU)

RU Index 40

Horizontal

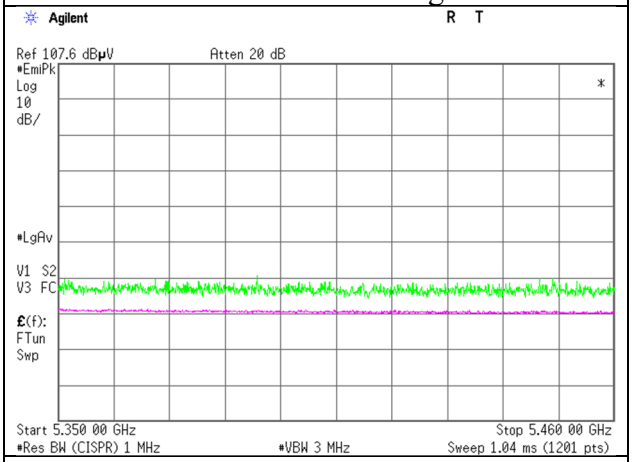
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 28, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (106-tone RU)

RU Index 54

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	50.4	42.5	31.6	5.5	33.6	0.3	53.8	46.2	73.9	53.9	20.1	7.7	*1)
Vert.	5350.0	48.1	39.4	31.6	5.5	33.6	0.3	51.5	43.2	73.9	53.9	22.4	10.7	*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 20log (3.65 m / 3.0 m) = 1.71 dB

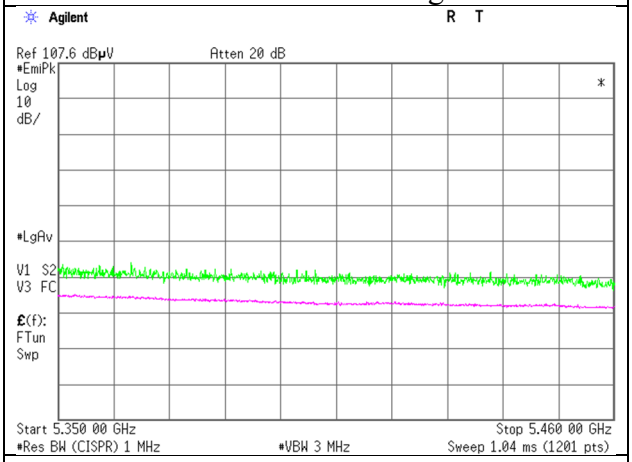
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 28, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (106-tone RU)

RU Index 54

Horizontal

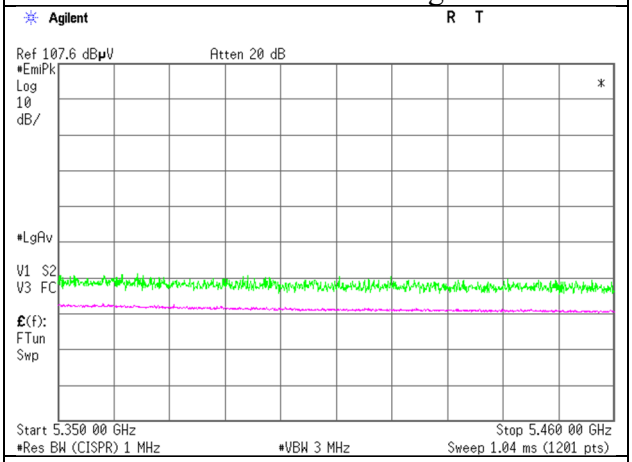
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 28, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (242-tone RU)

RU Index 61

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	53.1	44.6	31.6	5.5	33.6	0.4	56.5	48.3	73.9	53.9	17.4	5.6	*1)
Vert.	5350.0	49.9	41.7	31.6	5.5	33.6	0.4	53.4	45.5	73.9	53.9	20.6	8.4	*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 20log (3.65 m / 3.0 m) = 1.71 dB

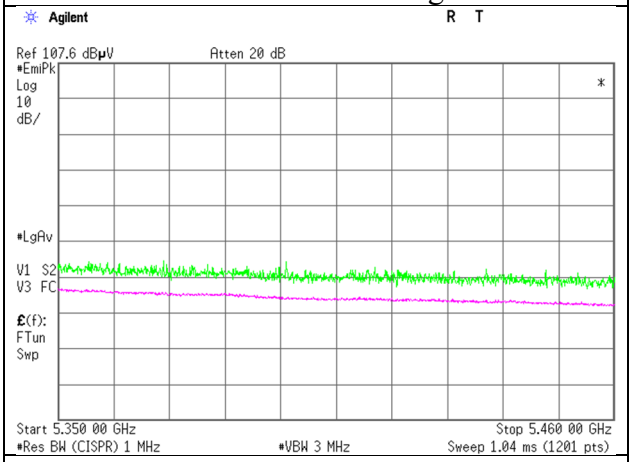
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 28, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5320 MHz (242-tone RU)

RU Index 61

Horizontal

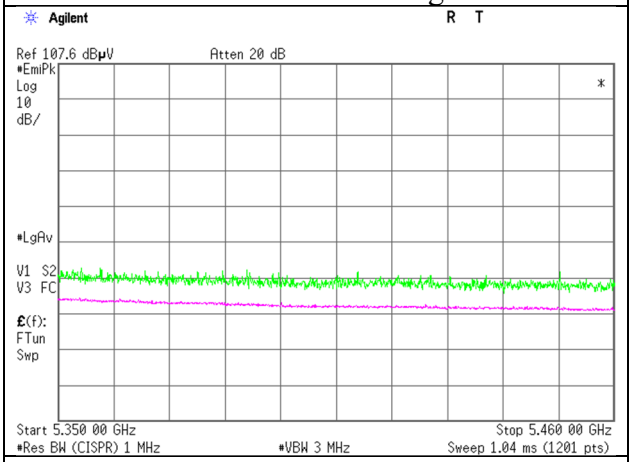
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (26-tone RU)

RU Index 0

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	45.2	36.7	31.8	5.5	33.5	0.3	49.0	40.7	68.2	53.9	19.2	13.2	*1)
Hori.	5470.0	45.4	-	31.8	5.5	33.5	-	49.2	-	68.2	-	19.0	-	
Vert.	5460.0	44.2	35.4	31.8	5.5	33.5	0.3	48.0	39.4	68.2	53.9	20.2	14.5	*1)
Vert.	5470.0	44.7	-	31.8	5.5	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

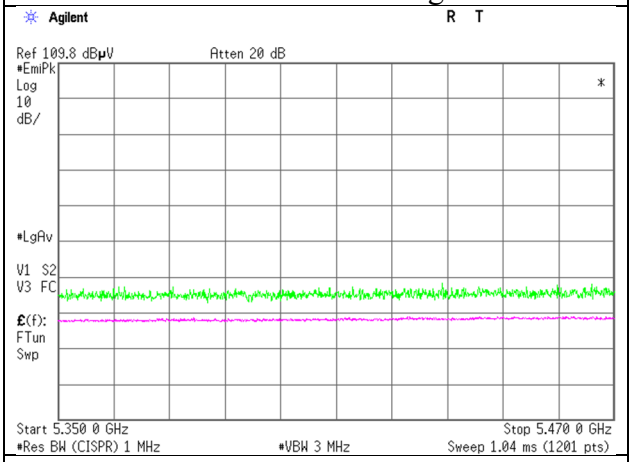
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (26-tone RU)

RU Index 0

Horizontal

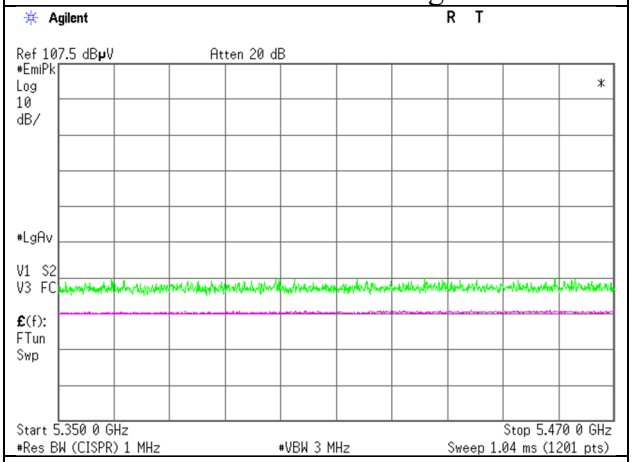
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (52-tone RU)

RU Index 37

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	48.8	39.9	31.8	5.5	33.5	0.3	52.6	44.0	68.2	53.9	15.6	9.9	*1)
Hori.	5470.0	49.6	-	31.8	5.5	33.5	-	53.3	-	68.2	-	14.9	-	
Vert.	5460.0	45.5	37.3	31.8	5.5	33.5	0.3	49.3	41.3	68.2	53.9	18.9	12.6	*1)
Vert.	5470.0	46.4	-	31.8	5.5	33.5	-	50.1	-	68.2	-	18.1	-	

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 (3.65 m / 3.0 m) = 1.71 dB

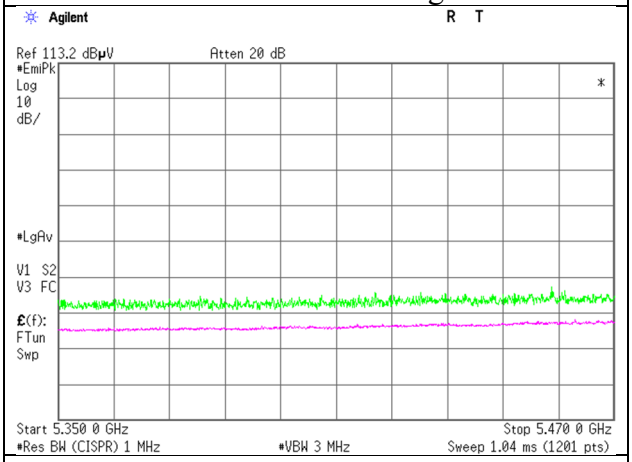
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (52-tone RU)

RU Index 37

Horizontal

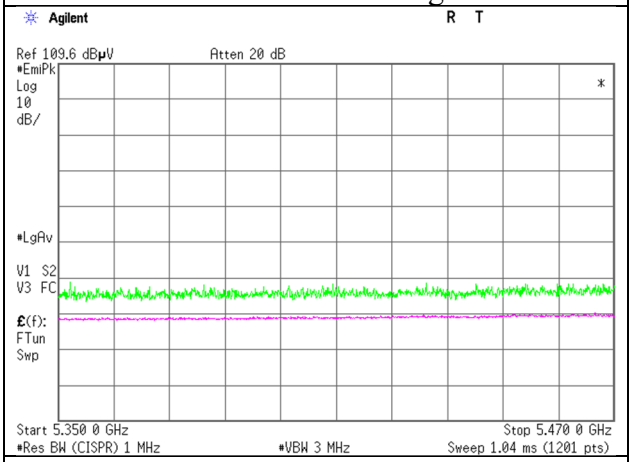
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (106-tone RU)

RU Index 53

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	50.2	41.3	31.8	5.5	33.5	0.3	54.0	45.4	68.2	53.9	14.2	8.6	*1)
Hori.	5470.0	50.5	-	31.8	5.5	33.5	-	54.3	-	68.2	-	13.9	-	
Vert.	5460.0	47.8	39.1	31.8	5.5	33.5	0.3	51.5	43.2	68.2	53.9	16.7	10.7	*1)
Vert.	5470.0	48.2	-	31.8	5.5	33.5	-	52.0	-	68.2	-	16.2	-	

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.

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

Distance factor: 1 GHz - 10 GHz 20log (3.65 m / 3.0 m) = 1.71 dB

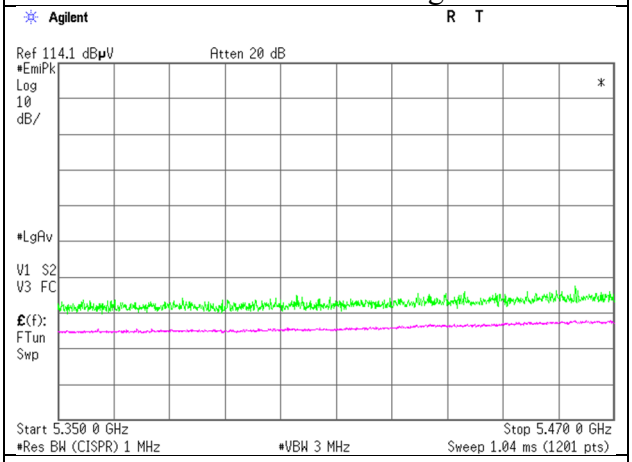
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (106-tone RU)

RU Index 53

Horizontal

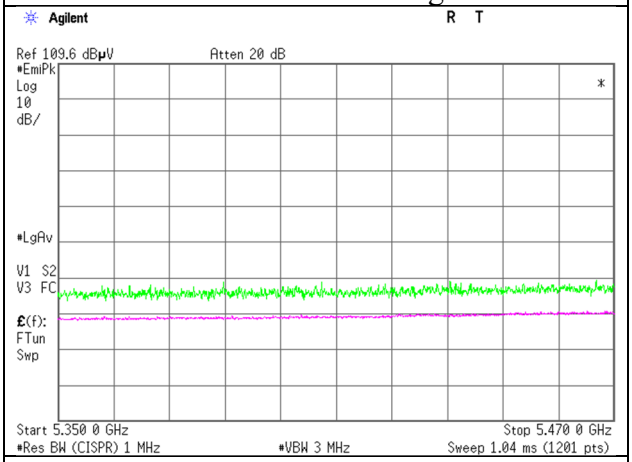
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (242-tone RU)

RU Index 61

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	53.2	44.6	31.8	5.5	33.5	0.4	57.0	48.7	68.2	53.9	11.2	5.2	*1)
Hori.	5470.0	53.7	-	31.8	5.5	33.5	-	57.4	-	68.2	-	10.8	-	
Vert.	5460.0	50.0	41.4	31.8	5.5	33.5	0.4	53.7	45.5	68.2	53.9	14.5	8.4	*1)
Vert.	5470.0	50.9	-	31.8	5.5	33.5	-	54.7	-	68.2	-	13.6	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

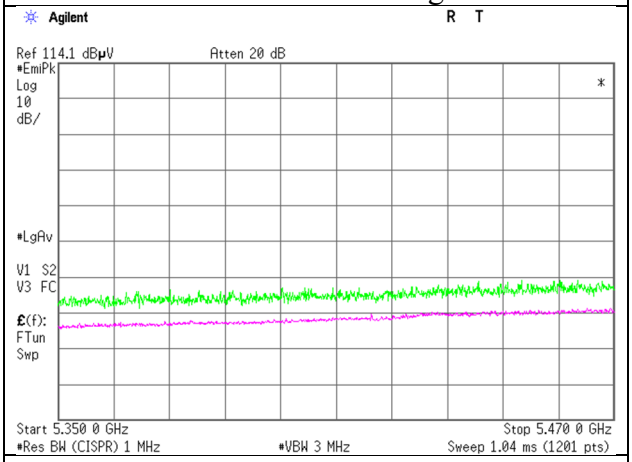
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5500 MHz (242-tone RU)

RU Index 61

Horizontal

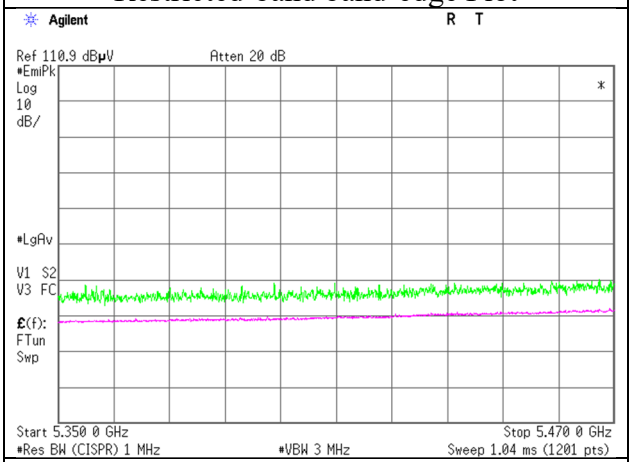
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (26-tone RU)

RU Index 8

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	45.2	-	31.9	5.6	33.5	-	49.2	-	68.2	-	19.0	-	
Vert.	5725.0	43.9	-	31.9	5.6	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

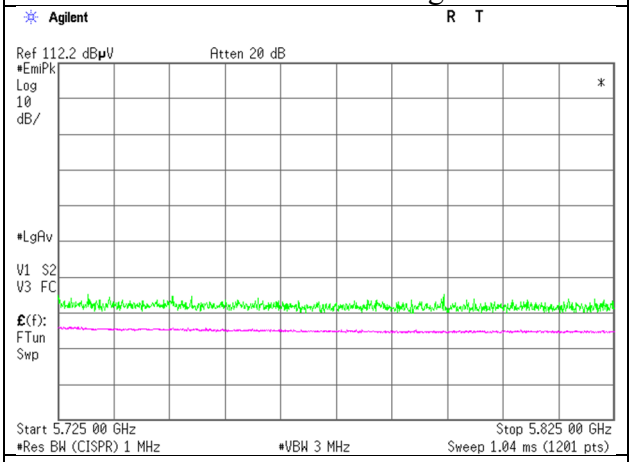
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (26-tone RU)

RU Index 8

Horizontal

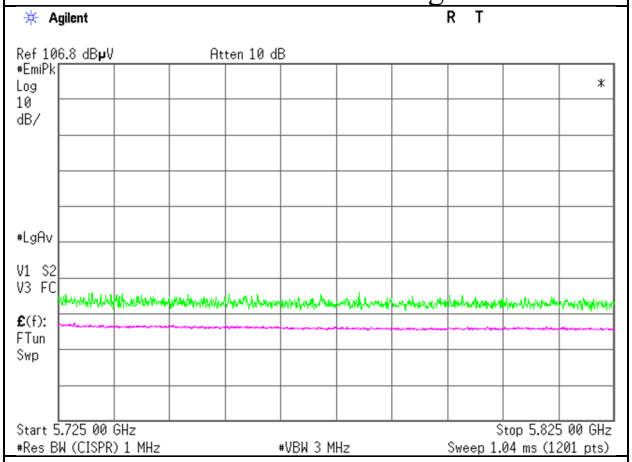
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (52-tone RU)

RU Index 40

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	47.3	-	31.9	5.6	33.5	-	51.3	-	68.2	-	16.9	-	
Vert.	5725.0	45.1	-	31.9	5.6	33.5	-	49.1	-	68.2	-	19.1	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

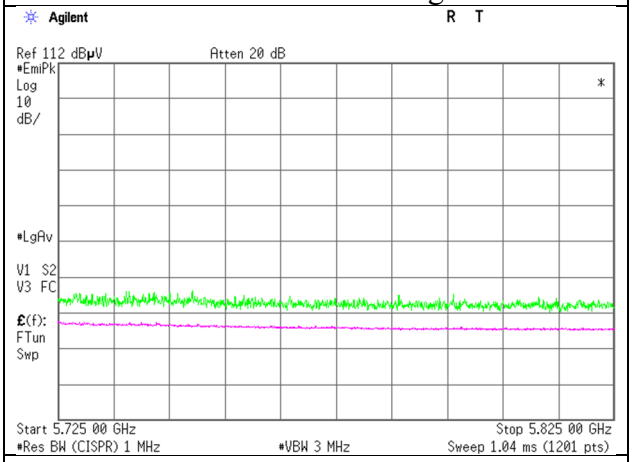
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (52-tone RU)

RU Index 40

Horizontal

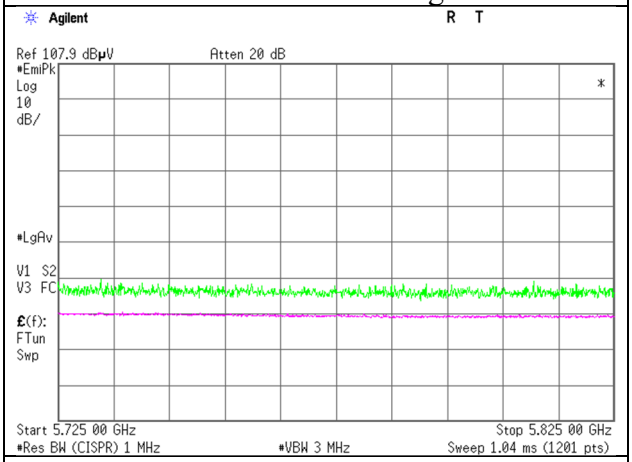
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (106-tone RU)

RU Index 54

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	49.8	-	31.9	5.6	33.5	-	53.8	-	68.2	-	14.4	-	
Vert.	5725.0	47.7	-	31.9	5.6	33.5	-	51.7	-	68.2	-	16.5	-	

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 (3.65 m / 3.0 m) = 1.71 dB

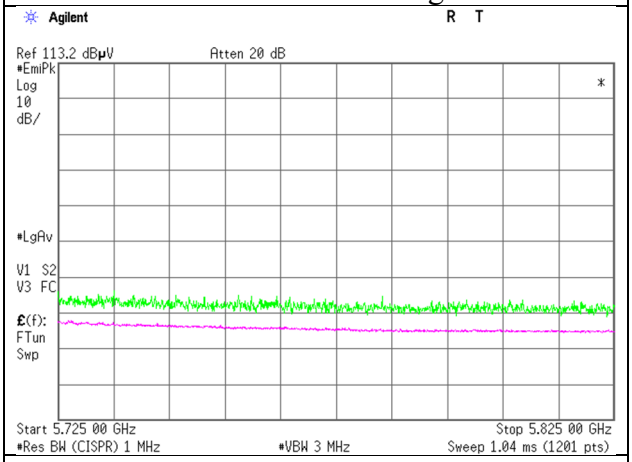
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (106-tone RU)

RU Index 54

Horizontal

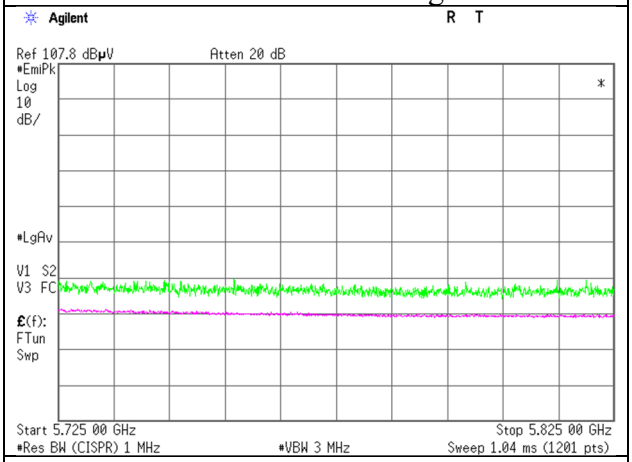
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (242-tone RU)

RU Index 61

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	53.0	-	31.9	5.6	33.5	-	57.0	-	68.2	-	11.2	-	
Vert.	5725.0	48.7	-	31.9	5.6	33.5	-	52.7	-	68.2	-	15.5	-	

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 (3.65 m / 3.0 m) = 1.71 dB

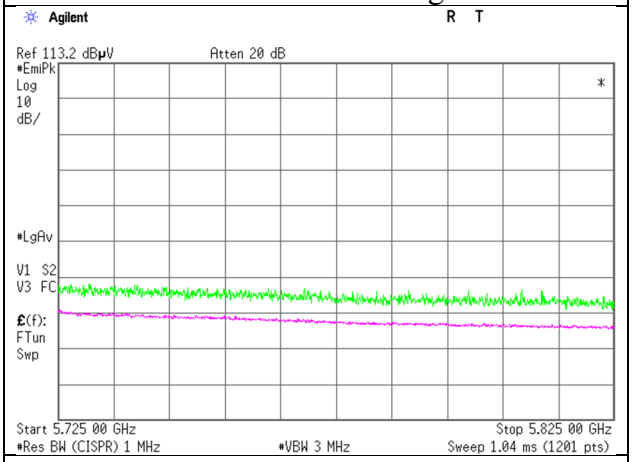
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5700 MHz (242-tone RU)

RU Index 61

Horizontal

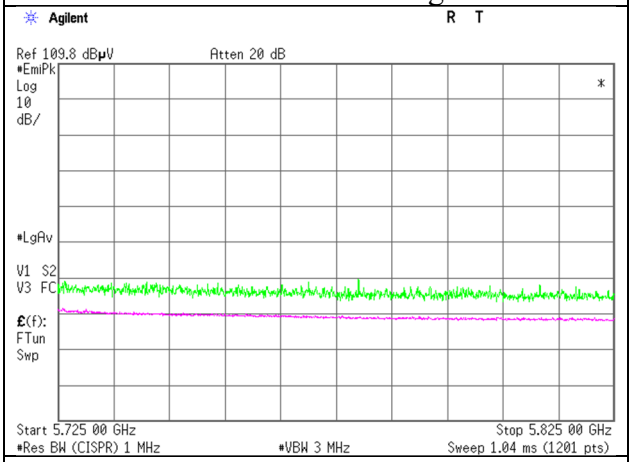
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (26-tone RU)

RU Index 0

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	44.6	-	31.8	5.6	33.5	-	48.4	-	68.2	-	19.8	-	
Hori.	5700.0	45.1	-	31.9	5.6	33.5	-	49.0	-	105.2	-	56.2	-	
Hori.	5720.0	45.5	-	31.9	5.6	33.5	-	49.5	-	110.8	-	61.3	-	
Hori.	5725.0	60.9	-	31.9	5.6	33.5	-	64.9	-	122.2	-	57.3	-	
Vert.	5650.0	42.8	-	31.8	5.6	33.5	-	46.7	-	68.2	-	21.5	-	
Vert.	5700.0	43.6	-	31.9	5.6	33.5	-	47.5	-	105.2	-	57.7	-	
Vert.	5720.0	44.2	-	31.9	5.6	33.5	-	48.2	-	110.8	-	62.7	-	
Vert.	5725.0	58.0	-	31.9	5.6	33.5	-	62.0	-	122.2	-	60.2	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

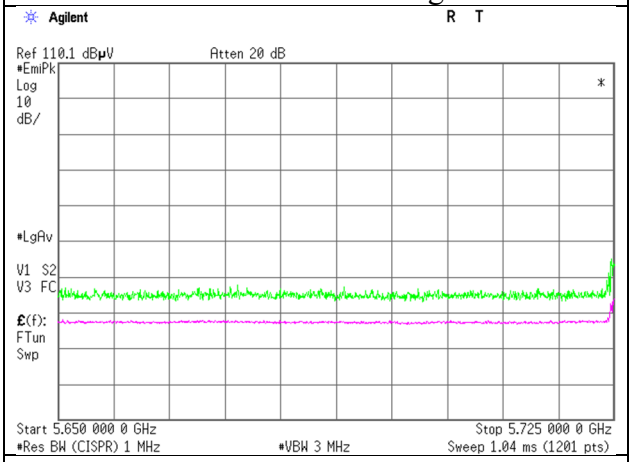
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (26-tone RU)

RU Index 0

Horizontal

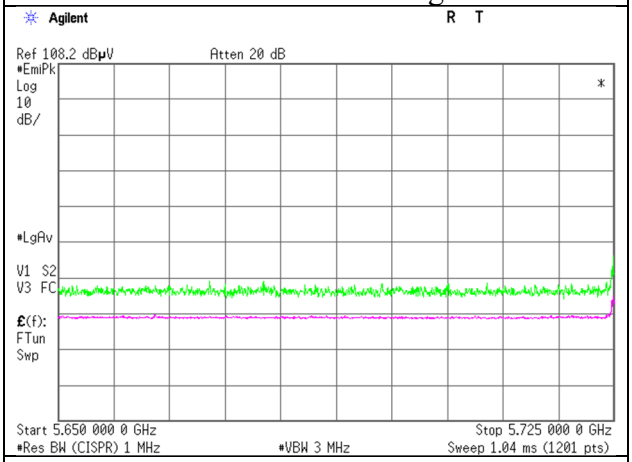
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (52-tone RU)

RU Index 37

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	45.9	-	31.8	5.6	33.5	-	49.7	-	68.2	-	18.5	-	
Hori.	5700.0	46.4	-	31.9	5.6	33.5	-	50.3	-	105.2	-	54.9	-	
Hori.	5720.0	46.3	-	31.9	5.6	33.5	-	50.3	-	110.8	-	60.5	-	
Hori.	5725.0	64.4	-	31.9	5.6	33.5	-	68.4	-	122.2	-	53.8	-	
Vert.	5650.0	43.7	-	31.8	5.6	33.5	-	47.5	-	68.2	-	20.7	-	
Vert.	5700.0	45.2	-	31.9	5.6	33.5	-	49.1	-	105.2	-	56.1	-	
Vert.	5720.0	46.2	-	31.9	5.6	33.5	-	50.2	-	110.8	-	60.6	-	
Vert.	5725.0	60.9	-	31.9	5.6	33.5	-	64.9	-	122.2	-	57.3	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

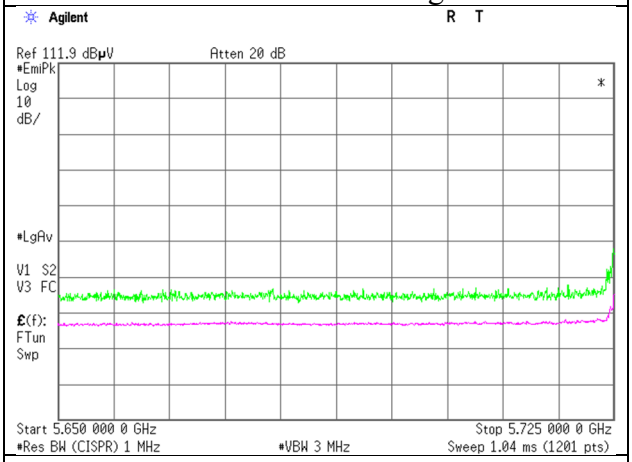
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (52-tone RU)

RU Index 37

Horizontal

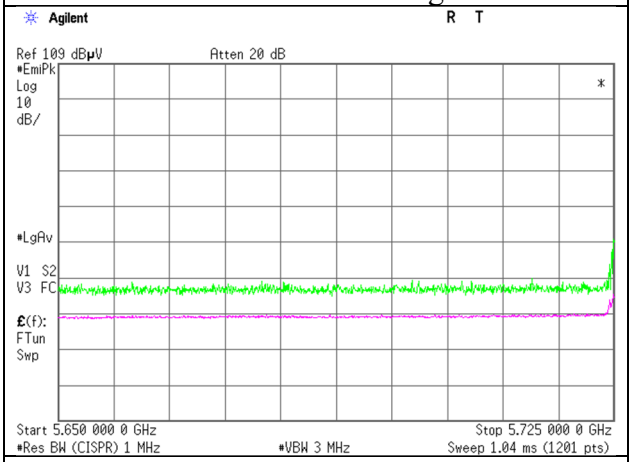
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (106-tone RU)

RU Index 53

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	49.1	-	31.8	5.6	33.5	-	53.0	-	68.2	-	15.3	-	
Hori.	5700.0	49.5	-	31.9	5.6	33.5	-	53.5	-	105.2	-	51.7	-	
Hori.	5720.0	49.7	-	31.9	5.6	33.5	-	53.7	-	110.8	-	57.1	-	
Hori.	5725.0	69.1	-	31.9	5.6	33.5	-	73.1	-	122.2	-	49.1	-	
Vert.	5650.0	44.5	-	31.8	5.6	33.5	-	48.3	-	68.2	-	19.9	-	
Vert.	5700.0	44.8	-	31.9	5.6	33.5	-	48.7	-	105.2	-	56.5	-	
Vert.	5720.0	47.2	-	31.9	5.6	33.5	-	51.1	-	110.8	-	59.7	-	
Vert.	5725.0	66.2	-	31.9	5.6	33.5	-	70.2	-	122.2	-	52.0	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

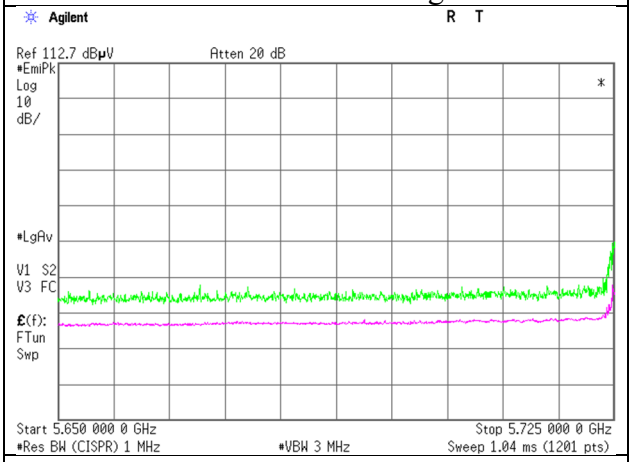
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (106-tone RU)

RU Index 53

Horizontal

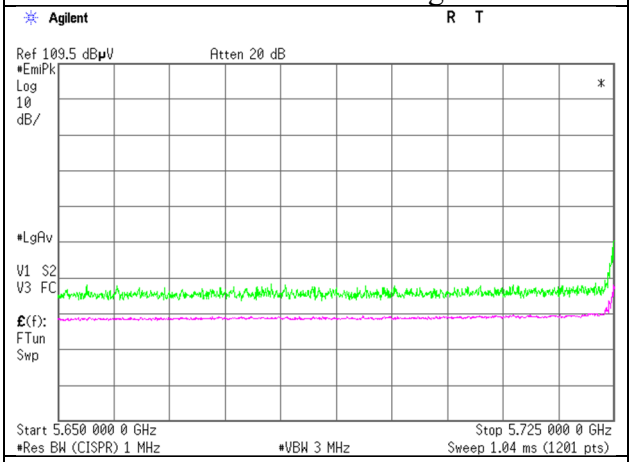
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (242-tone RU)

RU Index 61

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	49.9	-	31.8	5.6	33.5	-	53.8	-	68.2	-	14.5	-	
Hori.	5700.0	51.5	-	31.9	5.6	33.5	-	55.4	-	105.2	-	49.8	-	
Hori.	5720.0	55.5	-	31.9	5.6	33.5	-	59.5	-	110.8	-	51.4	-	
Hori.	5725.0	68.3	-	31.9	5.6	33.5	-	72.3	-	122.2	-	49.9	-	
Vert.	5650.0	48.0	-	31.8	5.6	33.5	-	51.8	-	68.2	-	16.4	-	
Vert.	5700.0	48.3	-	31.9	5.6	33.5	-	52.2	-	105.2	-	53.0	-	
Vert.	5720.0	52.5	-	31.9	5.6	33.5	-	56.5	-	110.8	-	54.4	-	
Vert.	5725.0	67.9	-	31.9	5.6	33.5	-	71.9	-	122.2	-	50.3	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

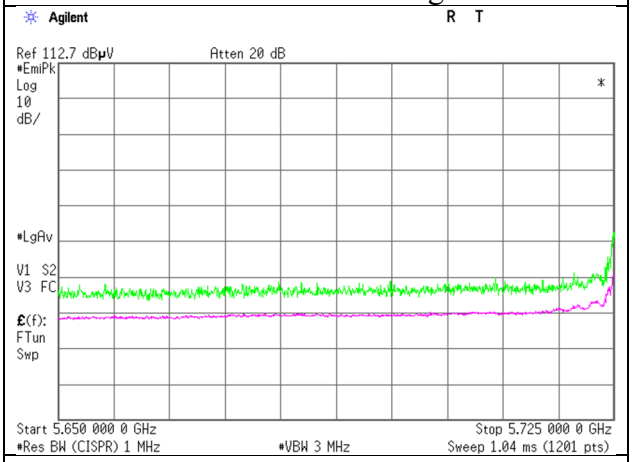
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 29, 2022
Temperature / Humidity	25 deg. C / 44 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5745 MHz (242-tone RU)

RU Index 61

Horizontal

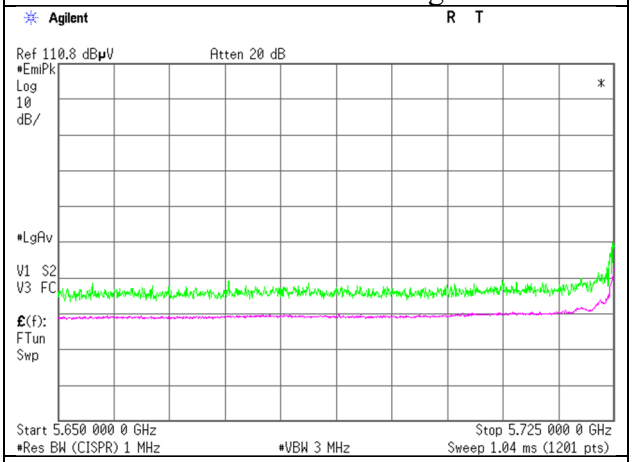
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (26-tone RU)

RU Index 8

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	44.7	-	32.2	5.7	33.5	-	49.0	-	122.2	-	73.2	-	
Hori.	5855.0	43.7	-	32.2	5.7	33.5	-	48.0	-	110.8	-	62.8	-	
Hori.	5875.0	43.6	-	32.2	5.7	33.5	-	47.9	-	105.2	-	57.3	-	
Hori.	5925.0	42.8	-	32.3	5.7	33.5	-	47.2	-	68.2	-	21.0	-	
Vert.	5850.0	43.8	-	32.2	5.7	33.5	-	48.2	-	122.2	-	74.1	-	
Vert.	5855.0	43.5	-	32.2	5.7	33.5	-	47.9	-	110.8	-	62.9	-	
Vert.	5875.0	43.3	-	32.2	5.7	33.5	-	47.6	-	105.2	-	57.6	-	
Vert.	5925.0	43.1	-	32.3	5.7	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

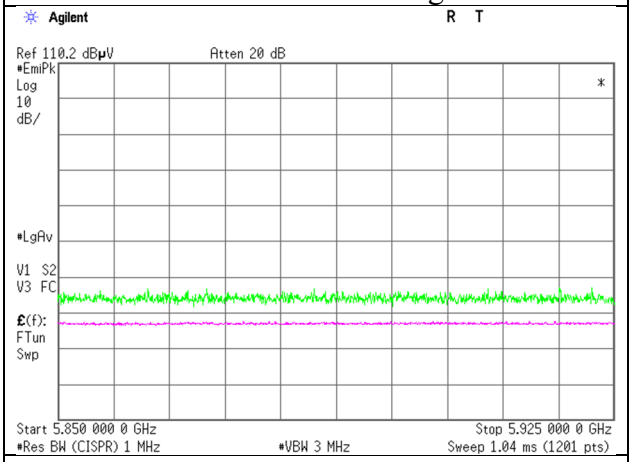
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (26-tone RU)

RU Index 8

Horizontal

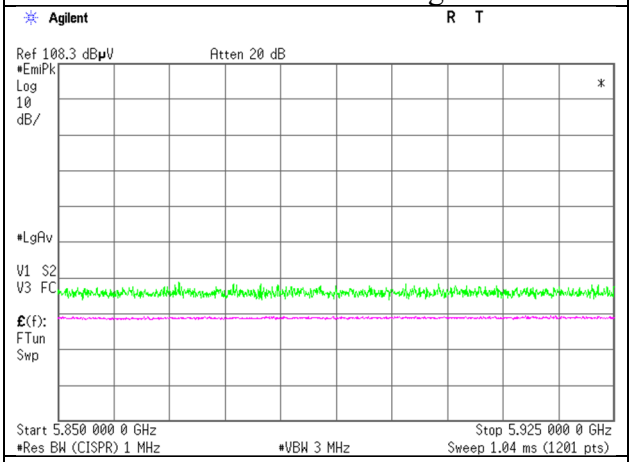
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (52-tone RU)

RU Index 40

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	47.3	-	32.2	5.7	33.5	-	51.6	-	122.2	-	70.6	-	
Hori.	5855.0	46.5	-	32.2	5.7	33.5	-	50.8	-	110.8	-	60.0	-	
Hori.	5875.0	46.0	-	32.2	5.7	33.5	-	50.3	-	105.2	-	54.9	-	
Hori.	5925.0	44.9	-	32.3	5.7	33.5	-	49.4	-	68.2	-	18.8	-	
Vert.	5850.0	46.8	-	32.2	5.7	33.5	-	51.1	-	122.2	-	71.1	-	
Vert.	5855.0	46.3	-	32.2	5.7	33.5	-	50.6	-	110.8	-	60.2	-	
Vert.	5875.0	45.2	-	32.2	5.7	33.5	-	49.6	-	105.2	-	55.6	-	
Vert.	5925.0	43.8	-	32.3	5.7	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

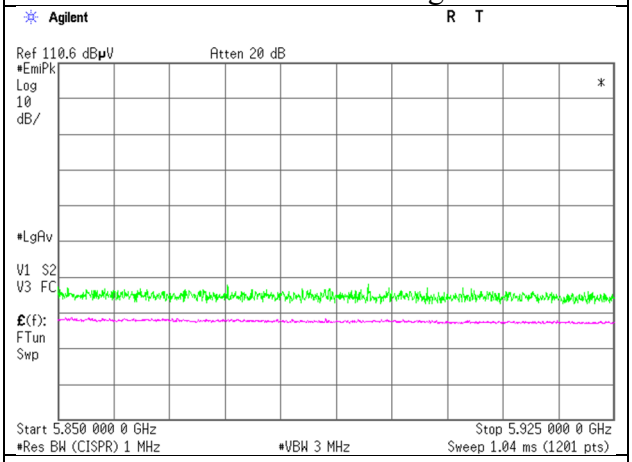
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (52-tone RU)

RU Index 40

Horizontal

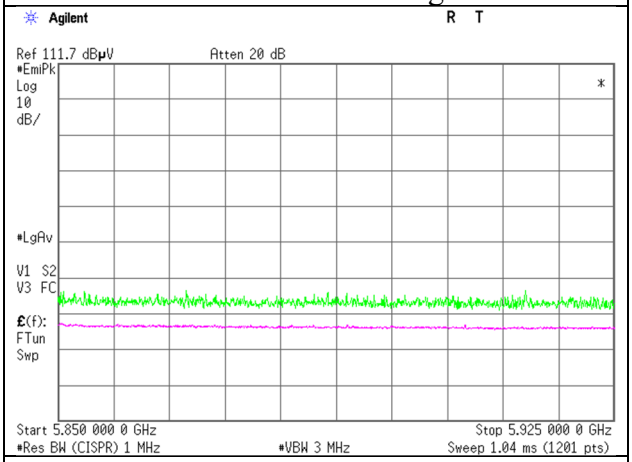
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (106-tone RU)

RU Index 54

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	51.2	-	32.2	5.7	33.5	-	55.5	-	122.2	-	66.7	-	
Hori.	5855.0	47.2	-	32.2	5.7	33.5	-	51.6	-	110.8	-	59.2	-	
Hori.	5875.0	47.0	-	32.2	5.7	33.5	-	51.3	-	105.2	-	53.9	-	
Hori.	5925.0	45.5	-	32.3	5.7	33.5	-	49.9	-	68.2	-	18.3	-	
Vert.	5850.0	48.5	-	32.2	5.7	33.5	-	52.8	-	122.2	-	69.4	-	
Vert.	5855.0	47.4	-	32.2	5.7	33.5	-	51.7	-	110.8	-	59.1	-	
Vert.	5875.0	46.8	-	32.2	5.7	33.5	-	51.1	-	105.2	-	54.1	-	
Vert.	5925.0	45.1	-	32.3	5.7	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

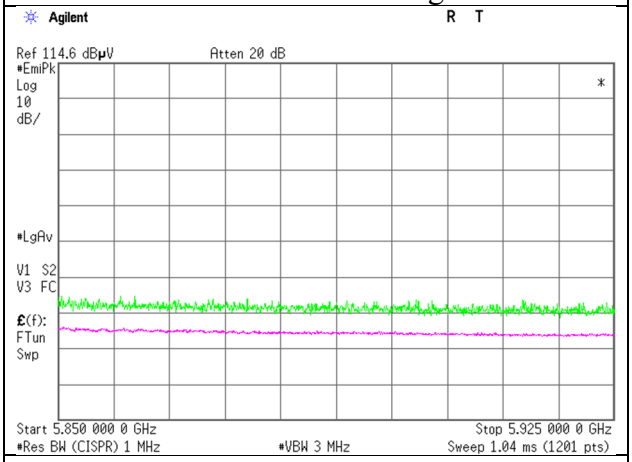
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (106-tone RU)

RU Index 54

Horizontal

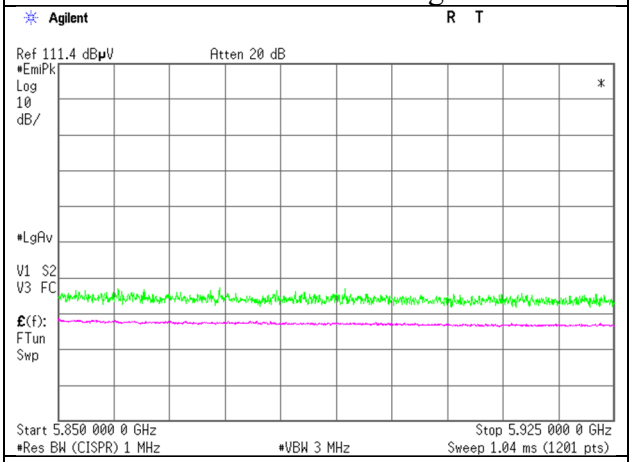
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (242-tone RU)

RU Index 61

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	56.2	-	32.2	5.7	33.5	-	60.5	-	122.2	-	61.7	-	
Hori.	5855.0	51.0	-	32.2	5.7	33.5	-	55.3	-	110.8	-	55.5	-	
Hori.	5875.0	49.6	-	32.2	5.7	33.5	-	54.0	-	105.2	-	51.2	-	
Hori.	5925.0	48.2	-	32.3	5.7	33.5	-	52.6	-	68.2	-	15.6	-	
Vert.	5850.0	55.9	-	32.2	5.7	33.5	-	60.2	-	122.2	-	62.0	-	
Vert.	5855.0	51.0	-	32.2	5.7	33.5	-	55.3	-	110.8	-	55.5	-	
Vert.	5875.0	49.8	-	32.2	5.7	33.5	-	54.1	-	105.2	-	51.1	-	
Vert.	5925.0	46.8	-	32.3	5.7	33.5	-	51.2	-	68.2	-	17.0	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

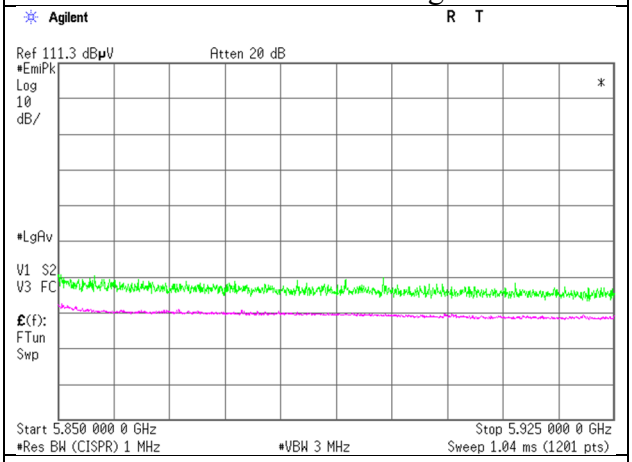
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-20 5825 MHz (242-tone RU)

RU Index 61

Horizontal

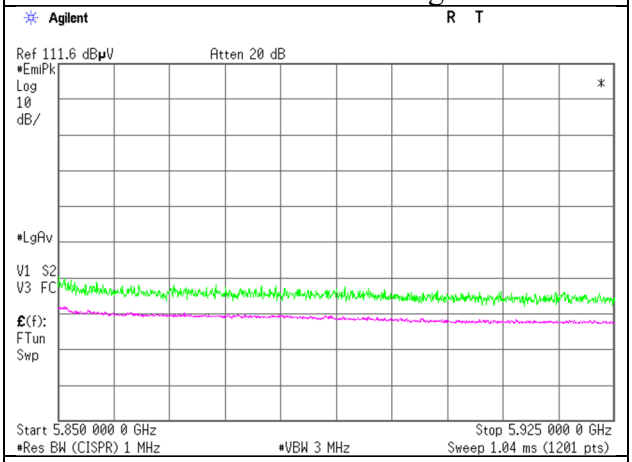
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (26-tone RU)

RU Index 0

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	43.8	35.1	31.7	5.4	33.7	0.2	47.2	38.7	73.9	53.9	26.7	15.2	*1)
Vert.	5150.0	43.5	34.8	31.7	5.4	33.7	0.2	46.9	38.5	73.9	53.9	27.0	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 20log (3.65 m / 3.0 m) = 1.71 dB

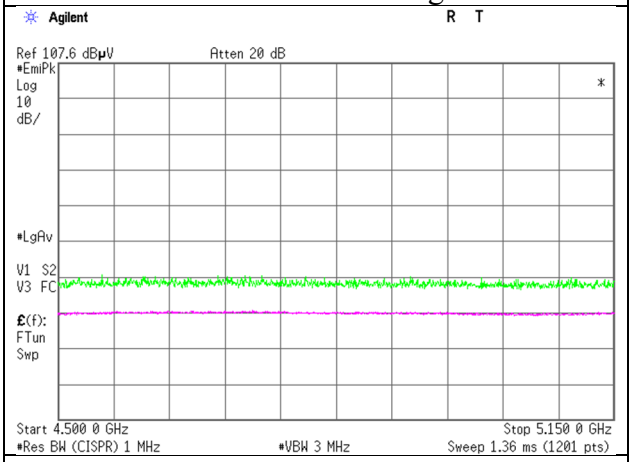
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (26-tone RU)

RU Index 0

Horizontal

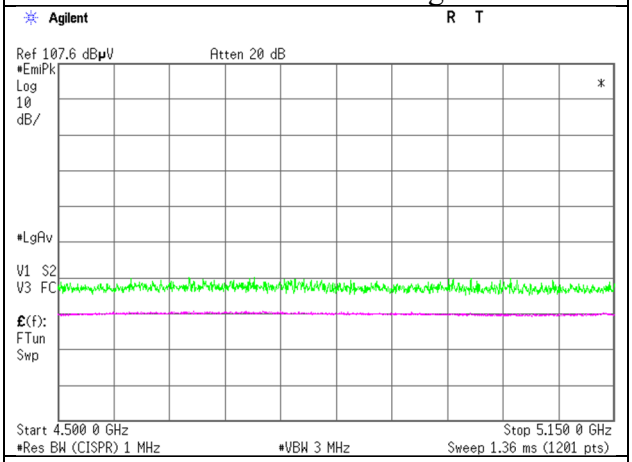
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (52-tone RU)

RU Index 37

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	45.0	36.2	31.7	5.4	33.7	0.3	48.4	39.9	73.9	53.9	25.5	14.0	*1)
Vert.	5150.0	44.3	35.6	31.7	5.4	33.7	0.3	47.7	39.3	73.9	53.9	26.2	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 20log (3.65 m / 3.0 m) = 1.71 dB

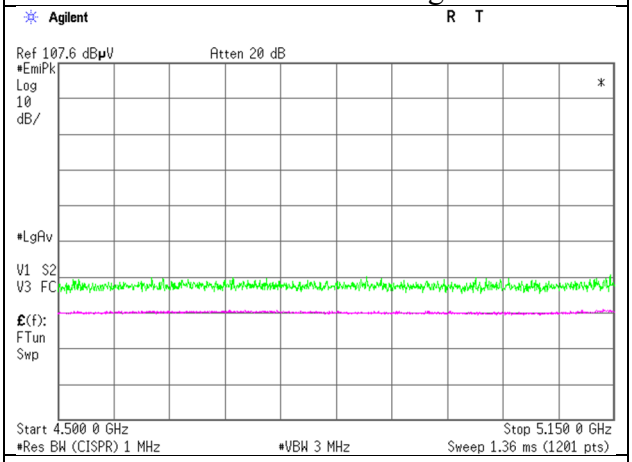
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (52-tone RU)

RU Index 37

Horizontal

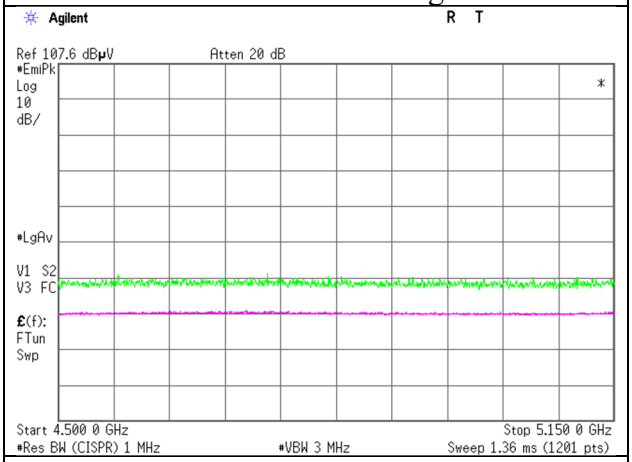
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (106-tone RU)

RU Index 53

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	47.7	38.4	31.7	5.4	33.7	0.3	51.2	42.1	73.9	53.9	22.8	11.8	*1)
Vert.	5150.0	47.2	37.8	31.7	5.4	33.7	0.3	50.6	41.6	73.9	53.9	23.3	12.4	*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 20log (3.65 m / 3.0 m) = 1.71 dB

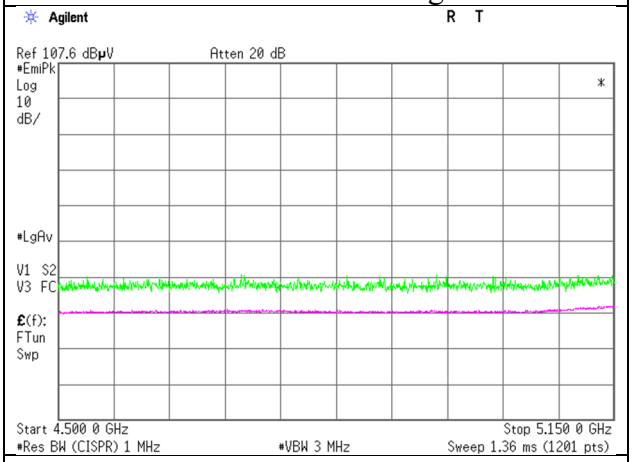
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (106-tone RU)

RU Index 53

Horizontal

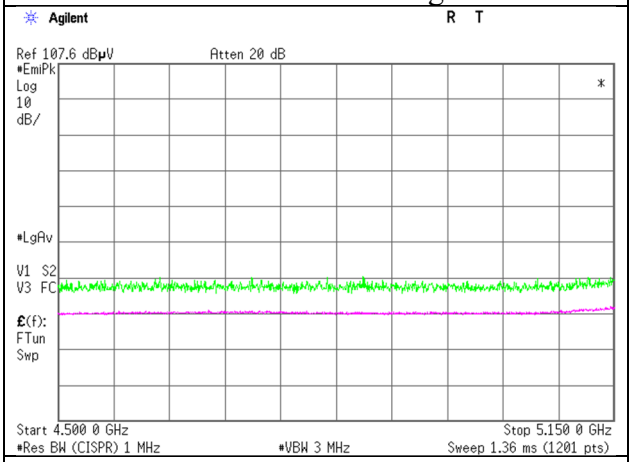
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (242-tone RU)

RU Index 61

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	50.1	40.9	31.7	5.4	33.7	0.4	53.5	44.6	73.9	53.9	20.4	9.3	*1)
Vert.	5150.0	49.7	40.8	31.7	5.4	33.7	0.4	53.1	44.6	73.9	53.9	20.8	9.3	*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 20log (3.65 m / 3.0 m) = 1.71 dB

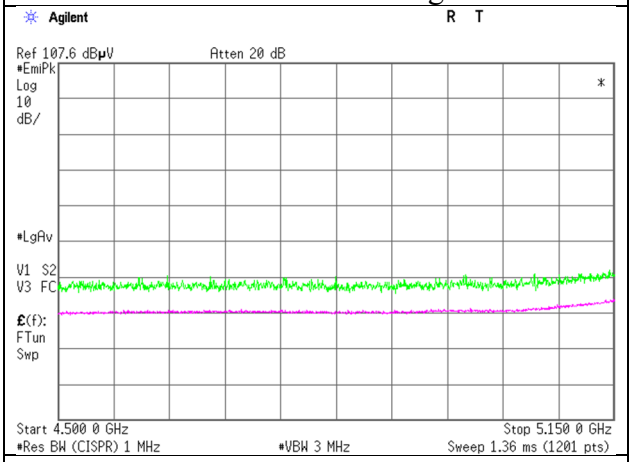
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (242-tone RU)

RU Index 61

Horizontal

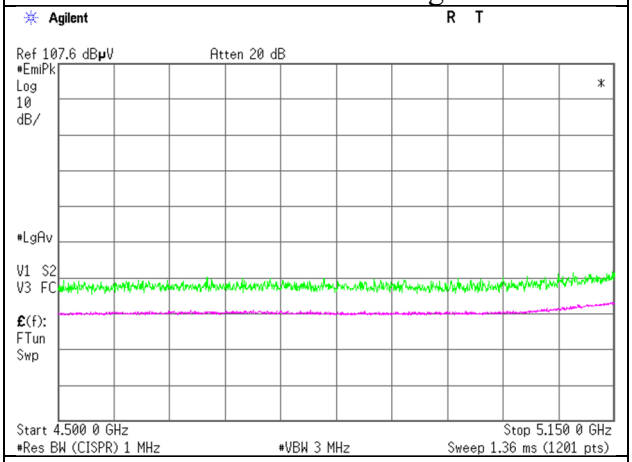
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (484-tone RU)

RU Index 65

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	52.0	42.6	31.7	5.4	33.7	0.4	55.4	46.4	73.9	53.9	18.5	7.5	*1)
Vert.	5150.0	50.9	41.3	31.7	5.4	33.7	0.4	54.3	45.1	73.9	53.9	19.6	8.9	*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 20log (3.65 m / 3.0 m) = 1.71 dB

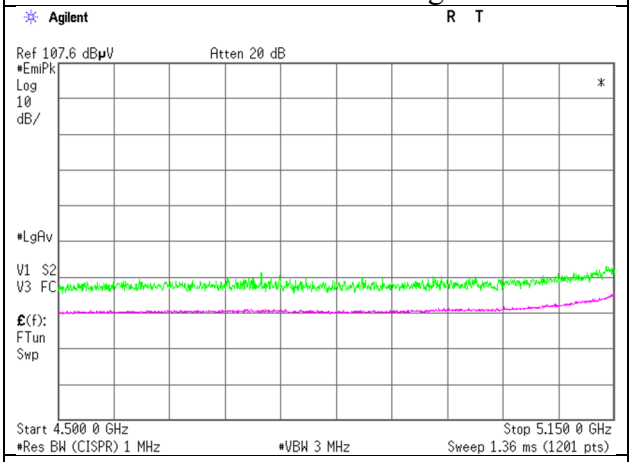
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5190 MHz (484-tone RU)

RU Index 65

Horizontal

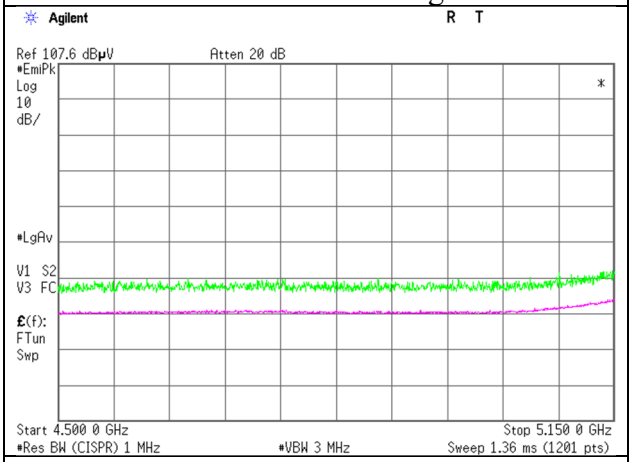
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (26-tone RU)

RU Index 17

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	44.3	35.5	31.6	5.5	33.6	0.2	47.8	39.2	73.9	53.9	26.1	14.7	*1)
Vert.	5350.0	43.7	34.9	31.6	5.5	33.6	0.2	47.2	38.6	73.9	53.9	26.8	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 20log (3.65 m / 3.0 m) = 1.71 dB

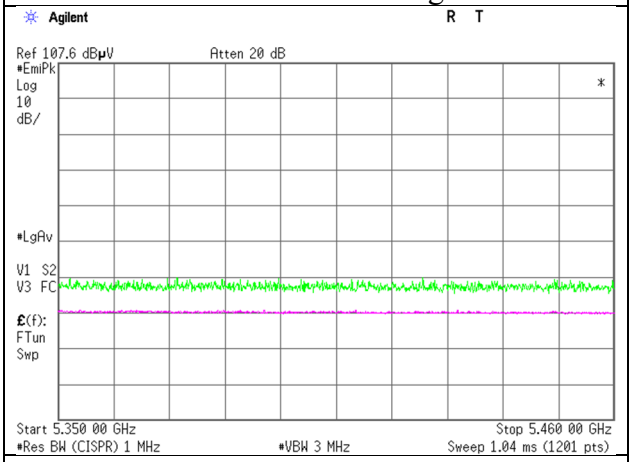
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (26-tone RU)

RU Index 17

Horizontal

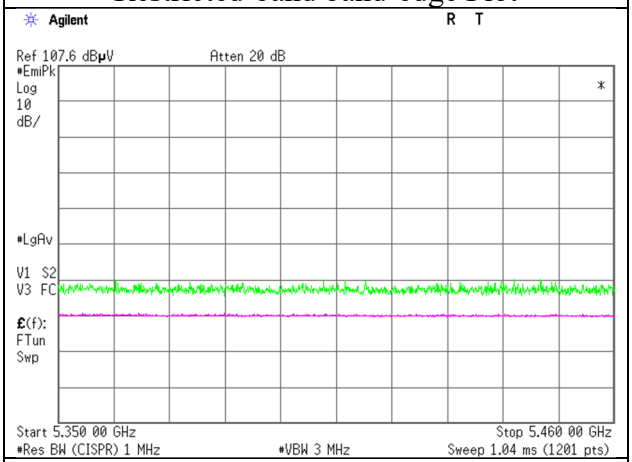
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (52-tone RU)

RU Index 44

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	46.1	37.2	31.6	5.5	33.6	0.3	49.5	41.0	73.9	53.9	24.4	13.0	*1)
Vert.	5350.0	45.0	36.6	31.6	5.5	33.6	0.3	48.4	40.4	73.9	53.9	25.5	13.6	*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 20log (3.65 m / 3.0 m) = 1.71 dB

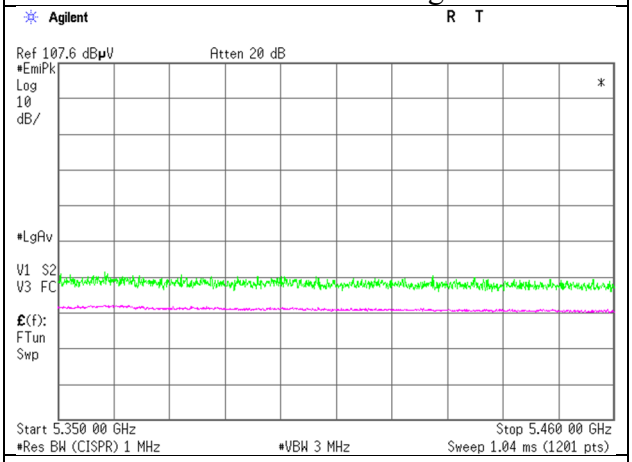
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (52-tone RU)

RU Index 44

Horizontal

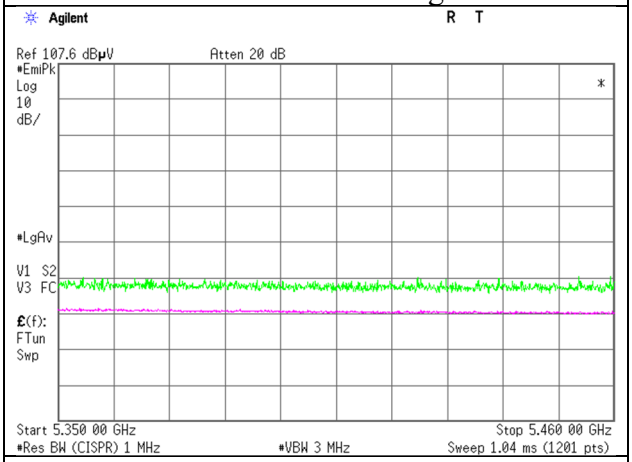
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (106-tone RU)

RU Index 56

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	48.7	39.2	31.6	5.5	33.6	0.3	52.1	43.0	73.9	53.9	21.8	11.0	*1)
Vert.	5350.0	47.0	37.7	31.6	5.5	33.6	0.3	50.4	41.5	73.9	53.9	23.5	12.4	*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 20log (3.65 m / 3.0 m) = 1.71 dB

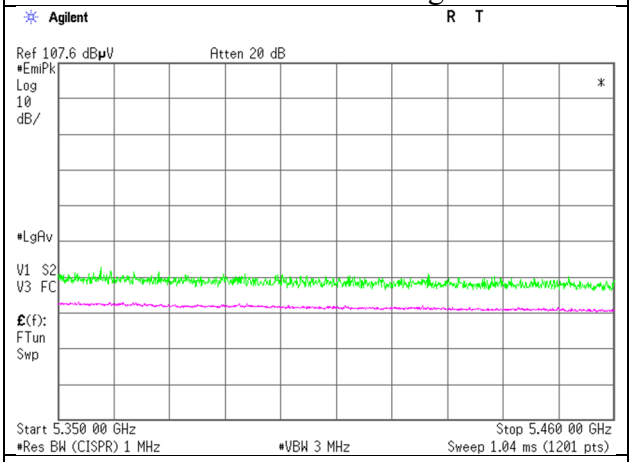
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (106-tone RU)

RU Index 56

Horizontal

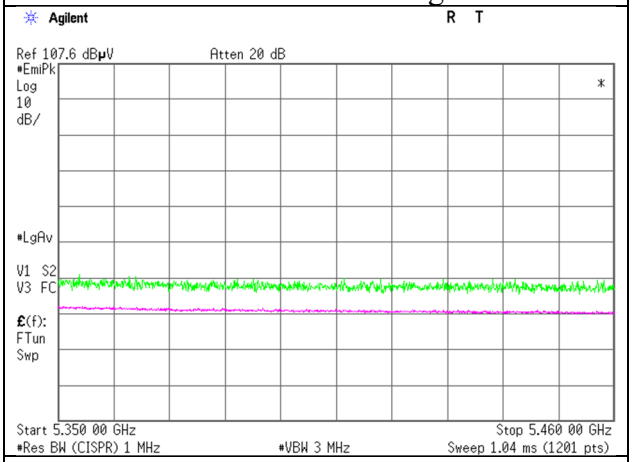
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (242-tone RU)

RU Index 62

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	51.7	43.0	31.6	5.5	33.6	0.4	55.1	46.8	73.9	53.9	18.8	7.1	*1)
Vert.	5350.0	50.1	41.1	31.6	5.5	33.6	0.4	53.5	44.9	73.9	53.9	20.4	9.0	*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 (3.65 m / 3.0 m) = 1.71 dB

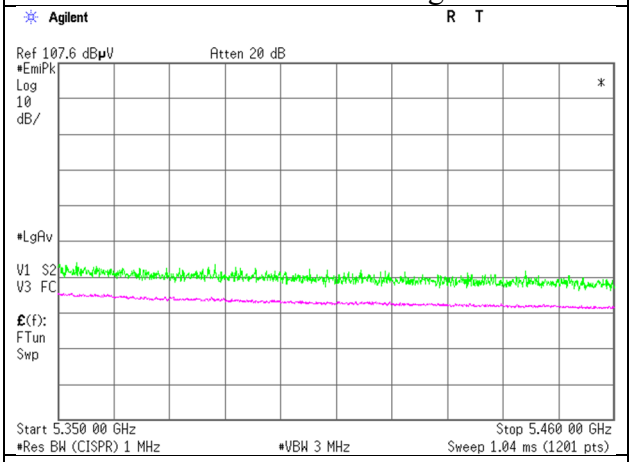
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (242-tone RU)

RU Index 62

Horizontal

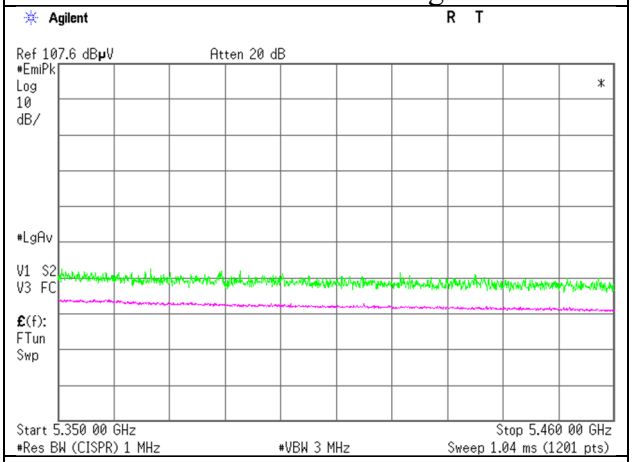
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (484-tone RU)

RU Index 65

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	52.0	43.0	31.6	5.5	33.6	0.4	55.4	46.8	73.9	53.9	18.5	7.1	*1)
Vert.	5350.0	51.3	41.7	31.6	5.5	33.6	0.4	54.7	45.5	73.9	53.9	19.2	8.4	*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 20log (3.65 m / 3.0 m) = 1.71 dB

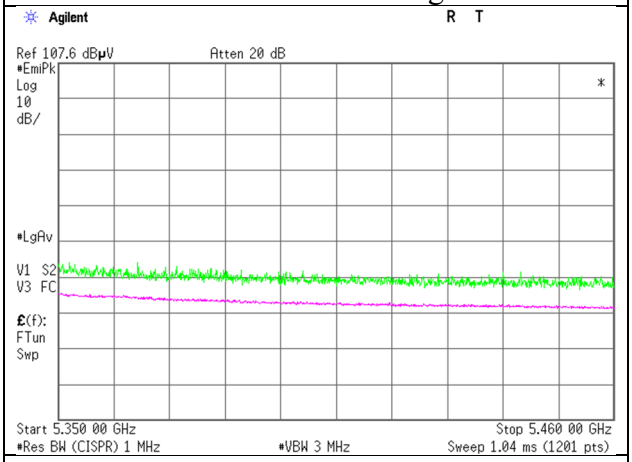
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (484-tone RU)

RU Index 65

Horizontal

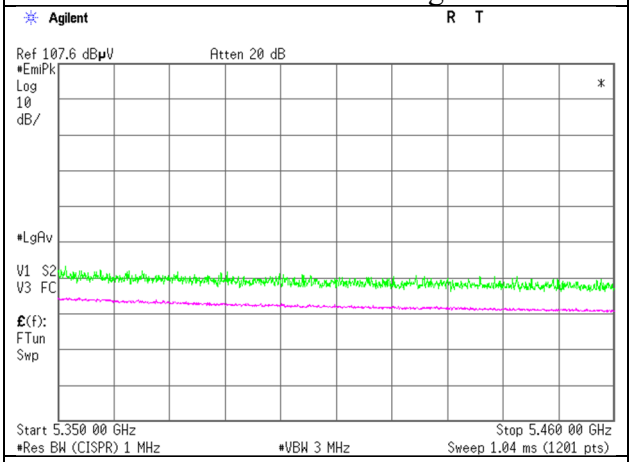
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (26-tone RU)

RU Index 0

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	44.4	35.7	31.8	5.5	33.5	0.2	48.2	39.7	68.2	53.9	20.0	14.2	*1)
Hori.	5470.0	44.6	-	31.8	5.5	33.5	-	48.4	-	68.2	-	19.8	-	
Vert.	5460.0	43.9	35.3	31.8	5.5	33.5	0.2	47.6	39.3	68.2	53.9	20.6	14.6	*1)
Vert.	5470.0	44.0	-	31.8	5.5	33.5	-	47.8	-	68.2	-	20.4	-	

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

*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 (3.65 m / 3.0 m) = 1.71 dB

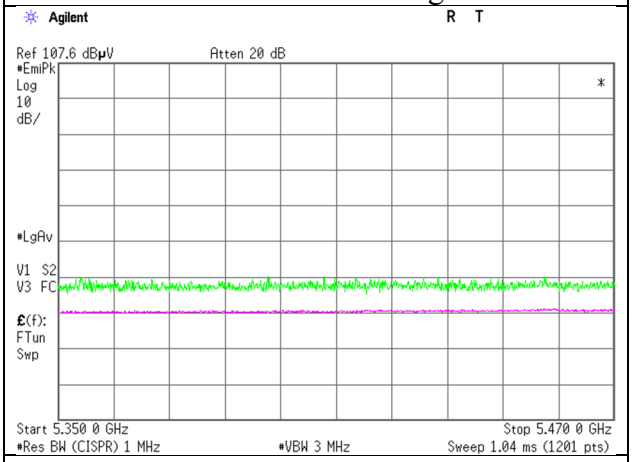
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (26-tone RU)

RU Index 0

Horizontal

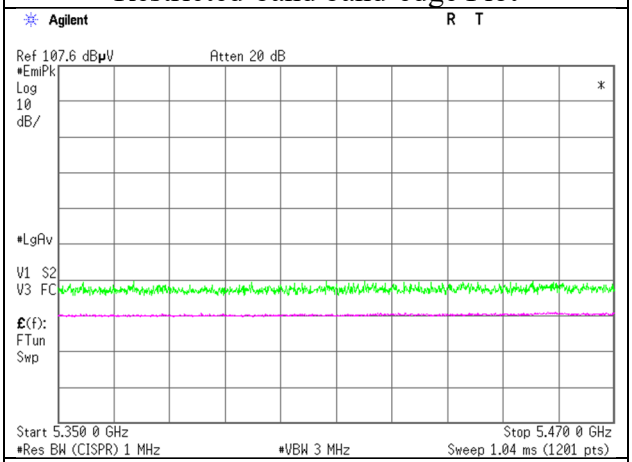
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (52-tone RU)

RU Index 37

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	49.3	39.3	31.8	5.5	33.5	0.3	53.0	43.3	68.2	53.9	15.2	10.6	*1)
Hori.	5470.0	48.2	-	31.8	5.5	33.5	-	52.0	-	68.2	-	16.3	-	
Vert.	5460.0	45.9	36.7	31.8	5.5	33.5	0.3	49.7	40.8	68.2	53.9	18.5	13.1	*1)
Vert.	5470.0	46.1	-	31.8	5.5	33.5	-	49.9	-	68.2	-	18.3	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB

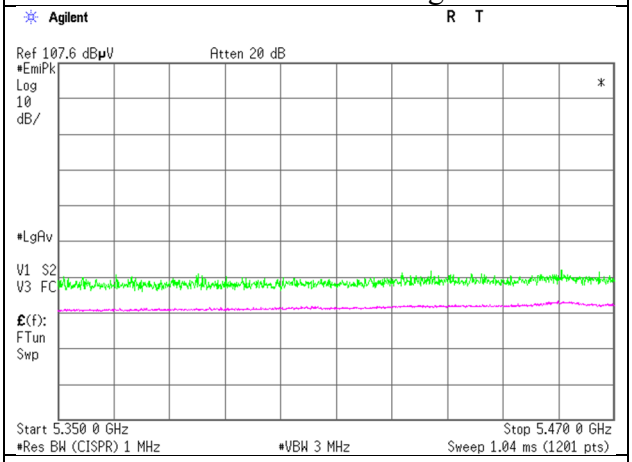
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (52-tone RU)

RU Index 37

Horizontal

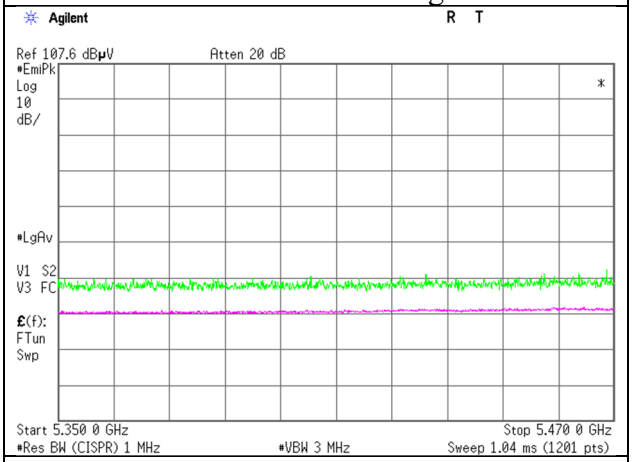
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average 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.2
Date	January 30, 2022
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Junya Okuno
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 MHz (106-tone RU)

RU Index 53

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	49.0	39.9	31.8	5.5	33.5	0.3	52.8	44.0	68.2	53.9	15.4	9.9	*1)
Hori.	5470.0	49.5	-	31.8	5.5	33.5	-	53.3	-	68.2	-	14.9	-	
Vert.	5460.0	47.6	38.7	31.8	5.5	33.5	0.3	51.3	42.7	68.2	53.9	16.9	11.2	*1)
Vert.	5470.0	48.2	-	31.8	5.5	33.5	-	51.9	-	68.2	-	16.3	-	

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 20log (3.65 m / 3.0 m) = 1.71 dB