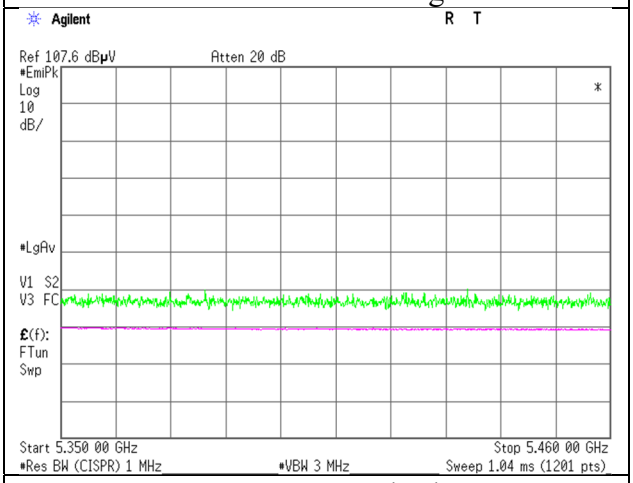
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (484-tone RU)

RU Index 66

Horizontal

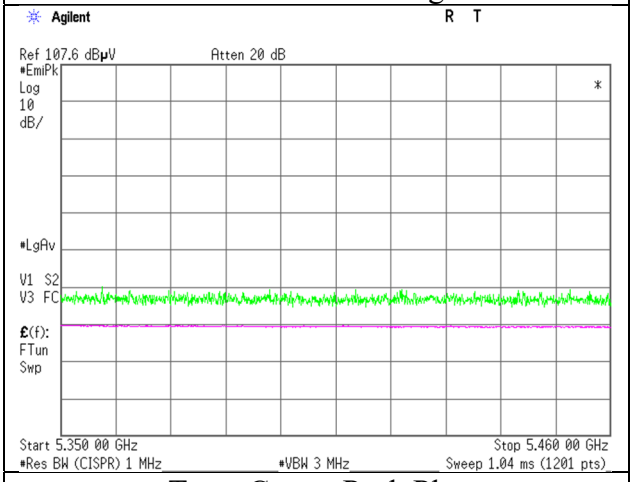
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (996-tone RU)

RU Index 67

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	52.1	39.5	31.6	5.5	33.6	0.3	55.6	43.2	73.9	53.9	18.4	10.7	*1)
Hori.	5351.9	52.7	40.8	31.6	5.5	33.6	0.3	56.1	44.5	73.9	53.9	17.8	9.4	*2)
Vert.	5350.0	52.3	39.8	31.6	5.5	33.6	0.3	55.7	43.5	73.9	53.9	18.2	10.4	*1)
Vert.	5351.9	53.0	41.0	31.6	5.5	33.6	0.3	56.5	44.7	73.9	53.9	17.5	9.2	*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)

*2) Noise synchronized with duty of carrier frequency

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

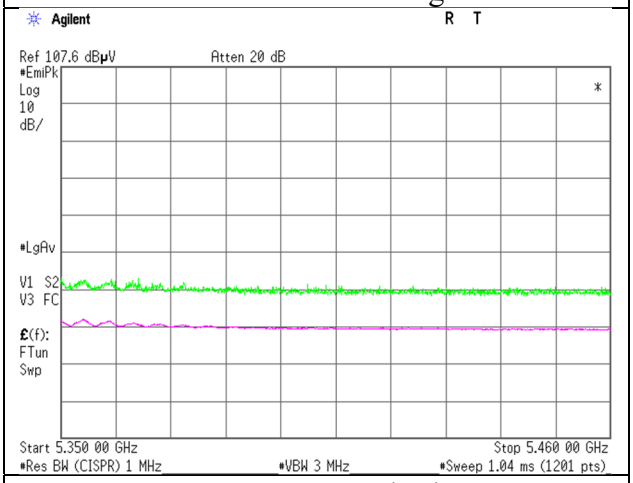
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (996-tone RU)

RU Index 67

Horizontal

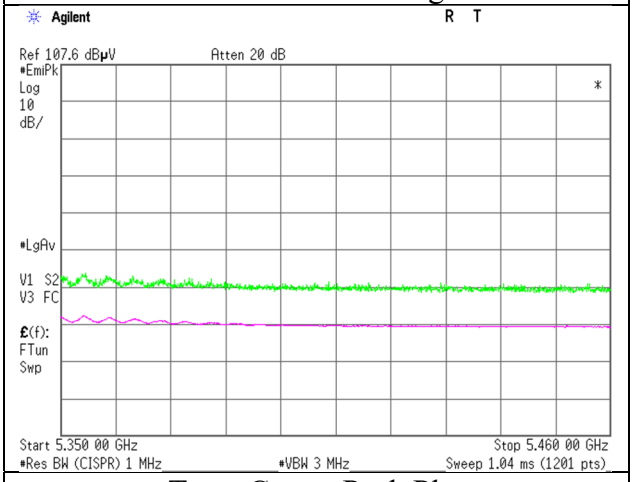
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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	43.2	33.9	31.8	5.5	33.5	0.3	47.0	38.0	68.2	53.9	21.2	15.9	*1)
Hori.	5470.0	43.4	-	31.8	5.5	33.5	-	47.2	-	68.2	-	21.0	-	
Vert.	5460.0	43.3	34.4	31.8	5.5	33.5	0.3	47.1	38.4	68.2	53.9	21.1	15.5	*1)
Vert.	5470.0	43.5	-	31.8	5.5	33.5	-	47.3	-	68.2	-	20.9	-	

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.

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

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

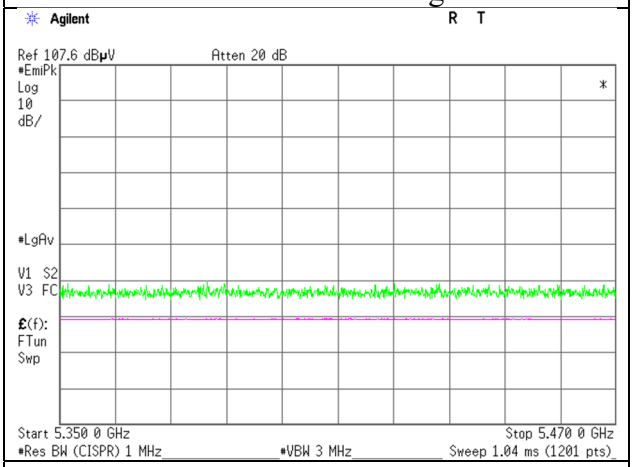
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (26-tone RU)

RU Index 0

Horizontal

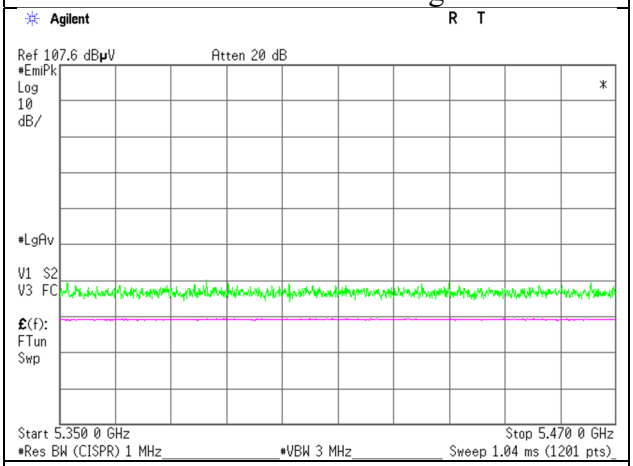
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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	43.1	34.1	31.8	5.5	33.5	0.3	46.9	38.1	68.2	53.9	21.3	15.8	*1)
Hori.	5470.0	42.4	-	31.8	5.5	33.5	-	46.1	-	68.2	-	22.1	-	
Vert.	5460.0	43.2	34.2	31.8	5.5	33.5	0.3	47.0	38.2	68.2	53.9	21.3	15.7	*1)
Vert.	5470.0	43.2	-	31.8	5.5	33.5	-	47.0	-	68.2	-	21.2	-	

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

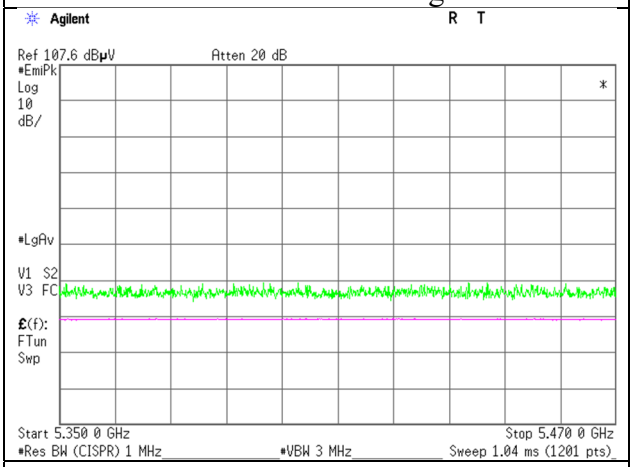
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (52-tone RU)

RU Index 37

Horizontal

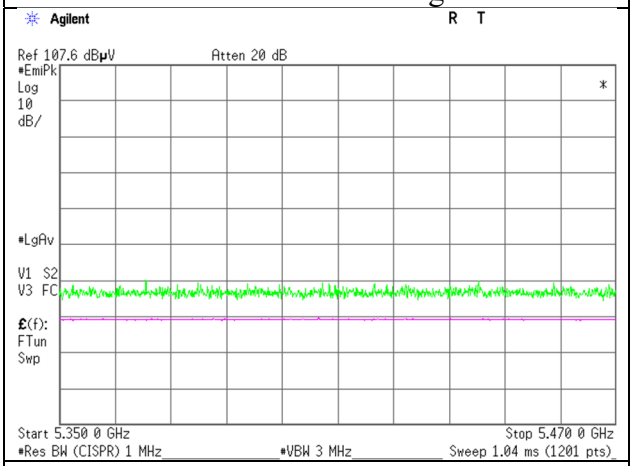
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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	43.4	34.7	31.8	5.5	33.5	0.3	47.1	38.7	68.2	53.9	21.1	15.2	*1)
Hori.	5470.0	43.6	-	31.8	5.5	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5460.0	43.5	34.8	31.8	5.5	33.5	0.3	47.3	38.8	68.2	53.9	20.9	15.1	*1)
Vert.	5470.0	43.9	-	31.8	5.5	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.

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

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

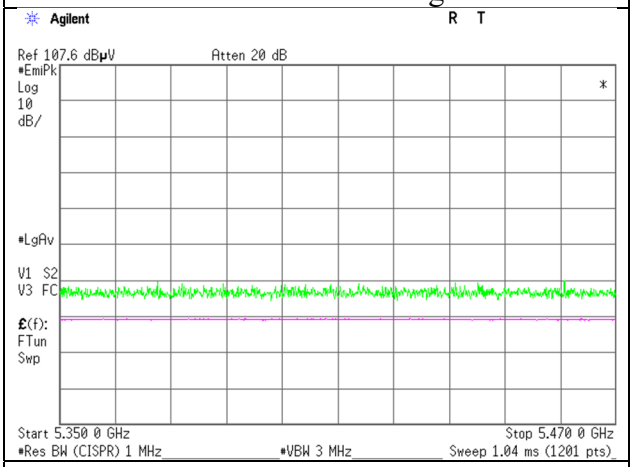
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (106-tone RU)

RU Index 53

Horizontal

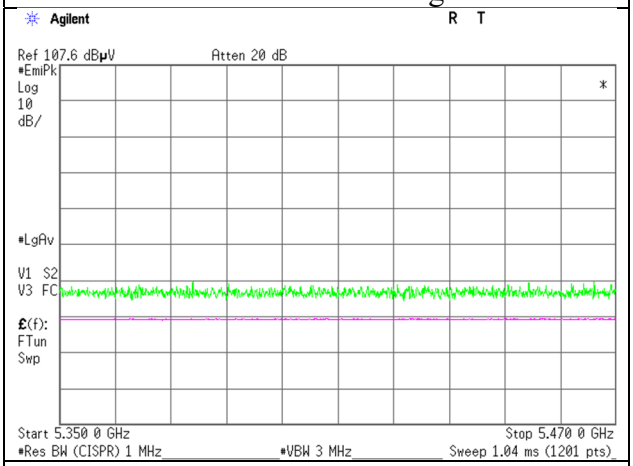
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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	43.4	34.7	31.8	5.5	33.5	0.3	47.1	38.7	68.2	53.9	21.1	15.2	*1)
Hori.	5470.0	43.6	-	31.8	5.5	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5460.0	43.5	34.8	31.8	5.5	33.5	0.3	47.3	38.8	68.2	53.9	20.9	15.1	*1)
Vert.	5470.0	43.9	-	31.8	5.5	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.

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

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

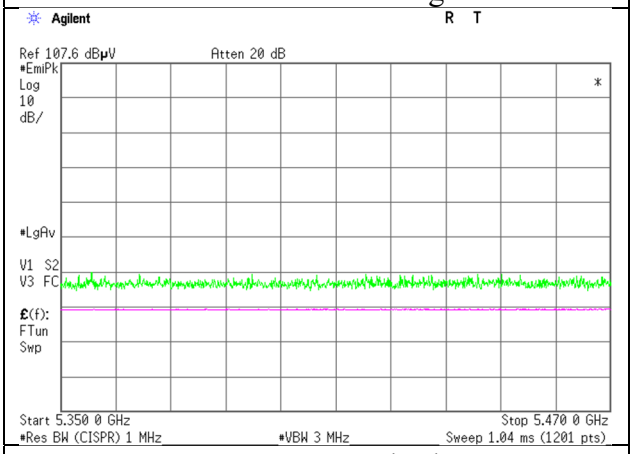
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (242-tone RU)

RU Index 61

Horizontal

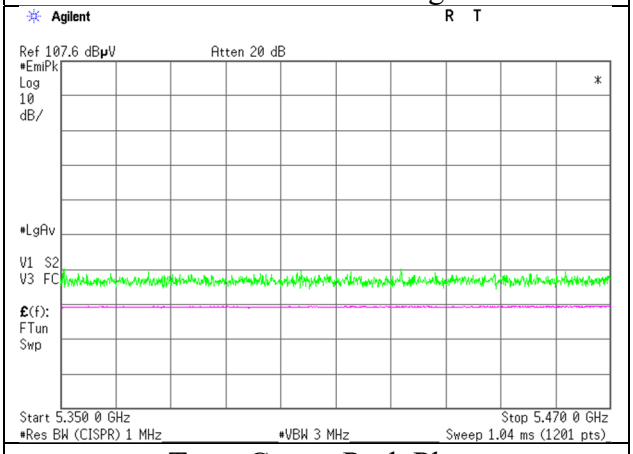
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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.	5460.0	44.5	35.7	31.8	5.5	33.5	0.3	48.3	39.7	68.2	53.9	19.9	14.2	*1)
Hori.	5470.0	45.0	-	31.8	5.5	33.5	-	48.8	-	68.2	-	19.4	-	
Vert.	5460.0	44.7	35.9	31.8	5.5	33.5	0.3	48.5	39.9	68.2	53.9	19.8	14.0	*1)
Vert.	5470.0	45.6	-	31.8	5.5	33.5	-	49.3	-	68.2	-	18.9	-	

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.

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

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

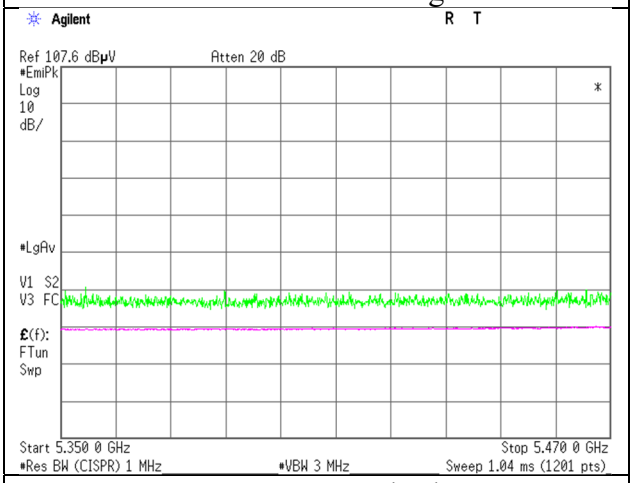
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (484-tone RU)

RU Index 65

Horizontal

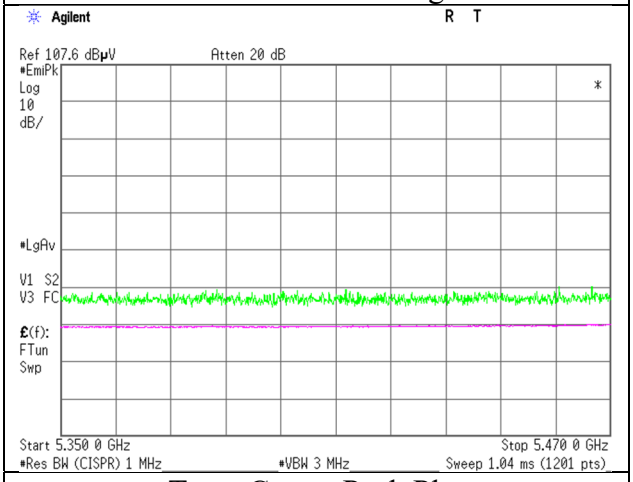
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (996-tone RU)

RU Index 67

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	47.8	38.9	31.8	5.5	33.5	0.3	51.5	42.9	68.2	53.9	16.7	11.0	*1)
Hori.	5470.0	48.4	-	31.8	5.5	33.5	-	52.2	-	68.2	-	16.0	-	
Vert.	5460.0	50.6	40.3	31.8	5.5	33.5	0.3	54.3	44.3	68.2	53.9	13.9	9.6	*1)
Vert.	5470.0	50.9	-	31.8	5.5	33.5	-	54.7	-	68.2	-	13.5	-	

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.

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

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

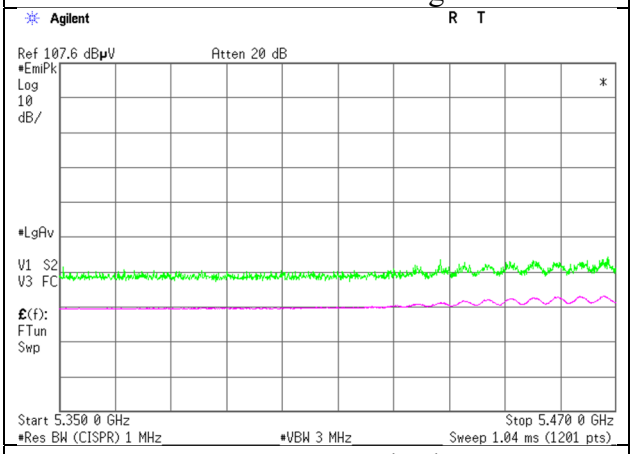
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (996-tone RU)

RU Index 67

Horizontal

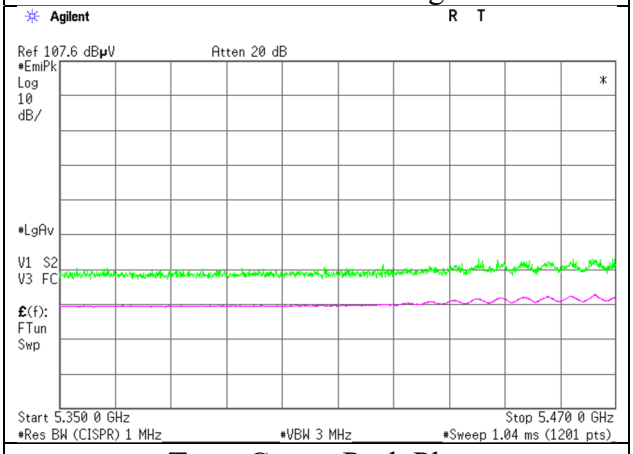
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (26-tone RU)

RU Index 36

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	43.5	-	31.9	5.6	33.5	-	47.5	-	68.2	-	20.7	-	
Vert.	5725.0	43.5	-	31.9	5.6	33.5	-	47.5	-	68.2	-	20.7	-	

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

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

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

*QP detector was used up to 1GHz.

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

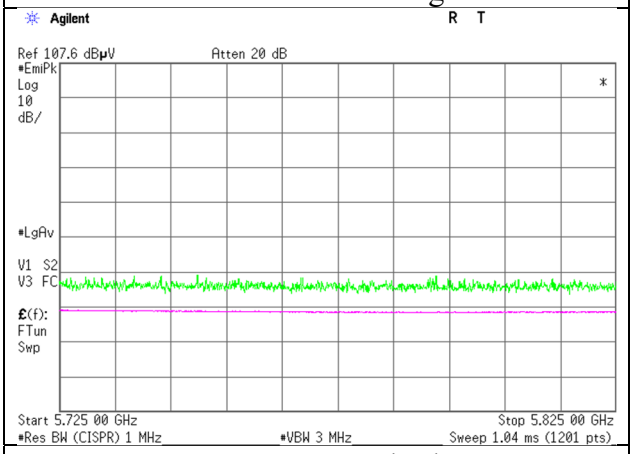
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (26-tone RU)

RU Index 36

Horizontal

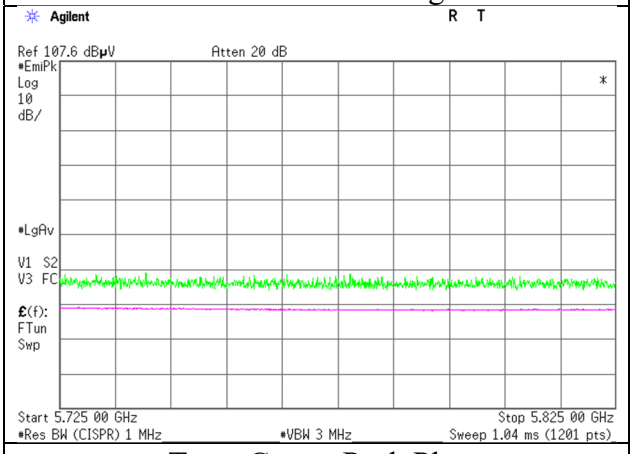
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (52-tone RU)

RU Index 52

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	43.9	-	31.9	5.6	33.5	-	47.9	-	68.2	-	20.3	-	
Vert.	5725.0	43.7	-	31.9	5.6	33.5	-	47.7	-	68.2	-	20.5	-	

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

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

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

*QP detector was used up to 1GHz.

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

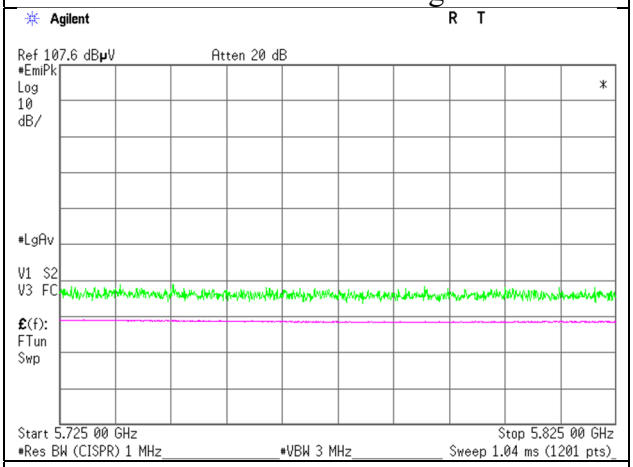
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (52-tone RU)

RU Index 52

Horizontal

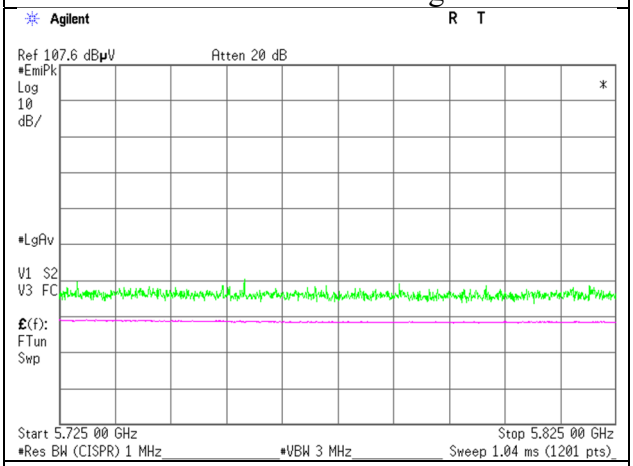
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (106-tone RU)

RU Index 60

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	44.0	-	31.9	5.6	33.5	-	48.0	-	68.2	-	20.2	-	
Vert.	5725.0	43.8	-	31.9	5.6	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.

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

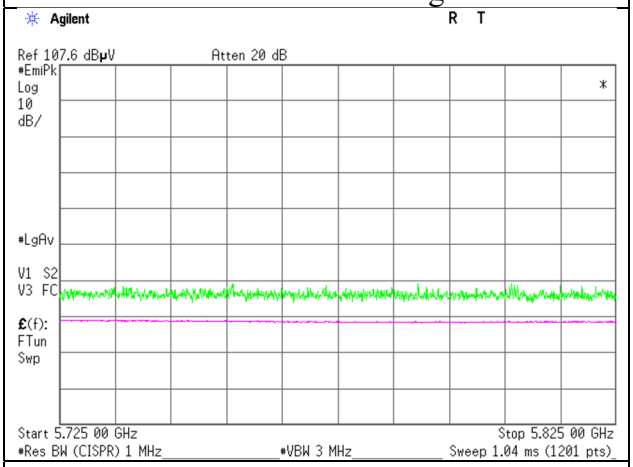
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (106-tone RU)

RU Index 60

Horizontal

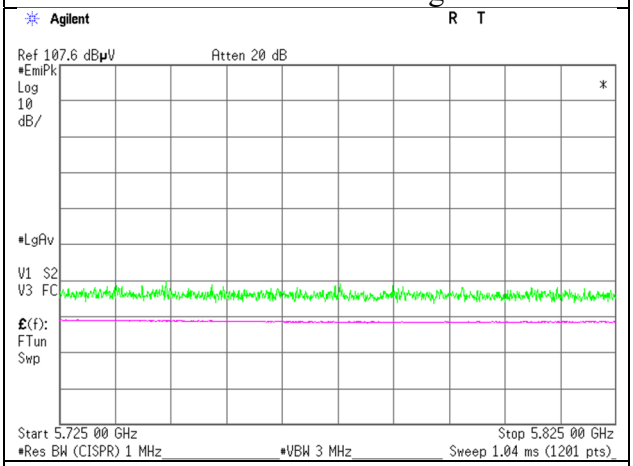
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (242-tone RU)

RU Index 64

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	44.2	-	31.9	5.6	33.5	-	48.2	-	68.2	-	20.0	-	
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

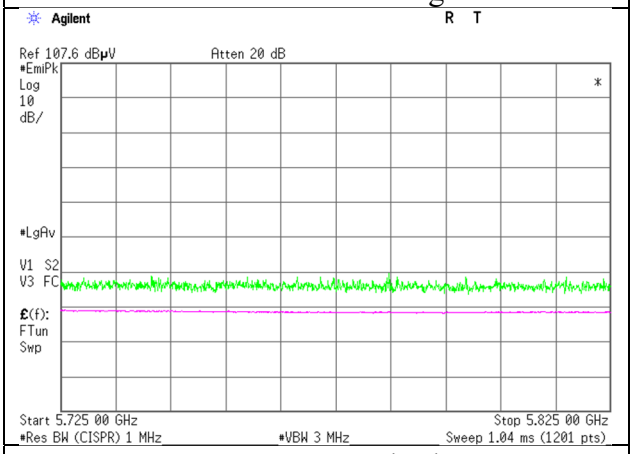
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (242-tone RU)

RU Index 64

Horizontal

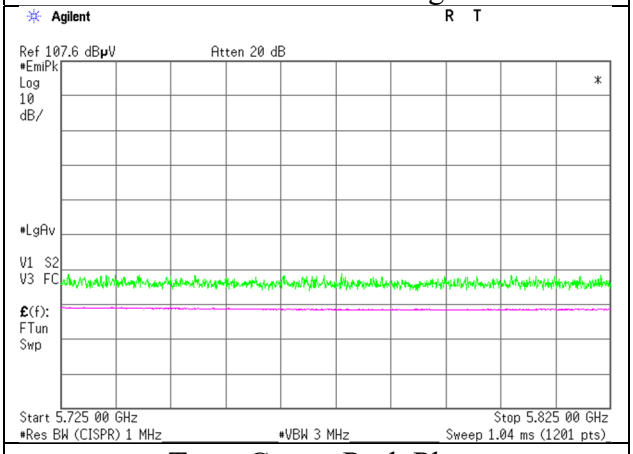
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (484-tone RU)

RU Index 66

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	44.4	-	31.9	5.6	33.5	-	48.4	-	68.2	-	19.9	-	
Vert.	5725.0	44.1	-	31.9	5.6	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

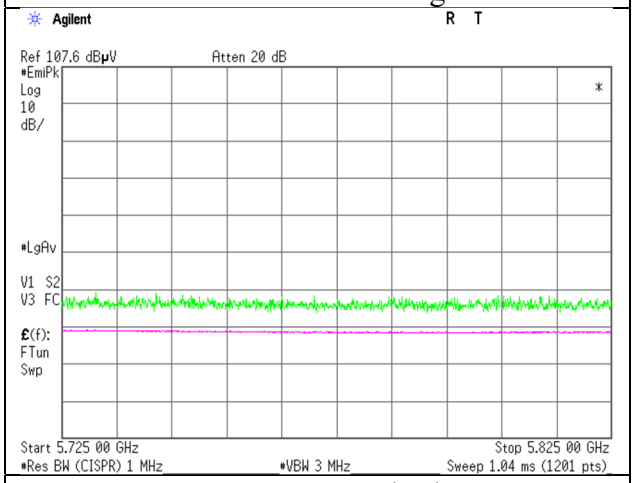
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (484-tone RU)

RU Index 66

Horizontal

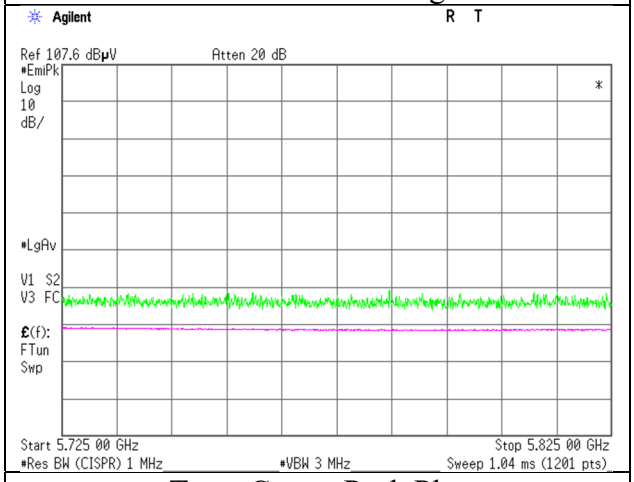
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (996-tone RU)

RU Index 67

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	45.0	-	31.9	5.6	33.5	-	49.0	-	68.2	-	19.2	-	
Vert.	5725.0	44.7	-	31.9	5.6	33.5	-	48.7	-	68.2	-	19.5	-	

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

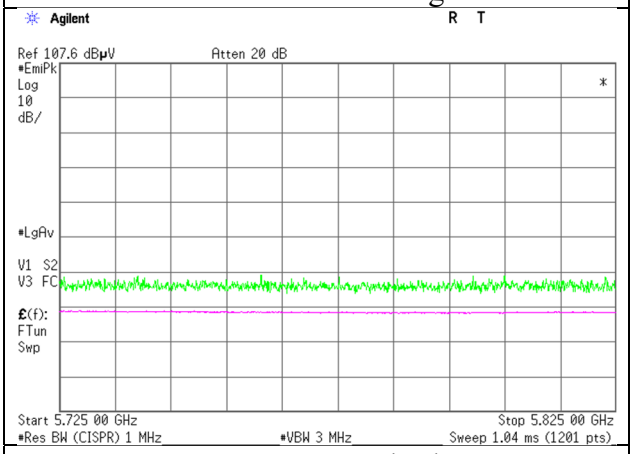
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (996-tone RU)

RU Index 67

Horizontal

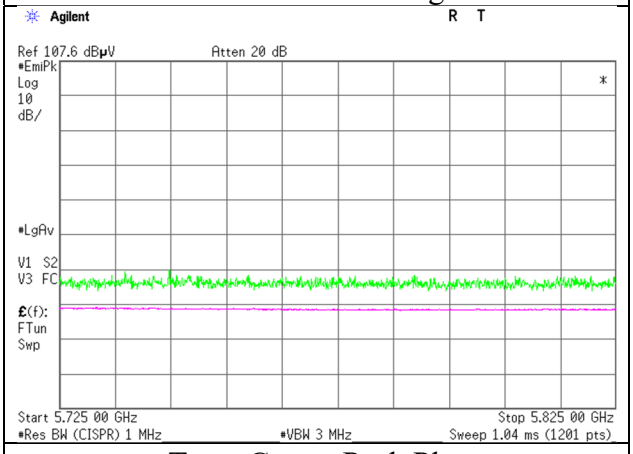
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 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	43.6	-	31.8	5.6	33.5	-	47.4	-	68.2	-	20.8	-	
Hori.	5700.0	43.6	-	31.9	5.6	33.5	-	47.6	-	105.2	-	57.6	-	
Hori.	5720.0	43.4	-	31.9	5.6	33.5	-	47.4	-	110.8	-	63.4	-	
Hori.	5725.0	43.9	-	31.9	5.6	33.5	-	47.9	-	122.2	-	74.3	-	
Vert.	5650.0	43.0	-	31.8	5.6	33.5	-	46.8	-	68.2	-	21.4	-	
Vert.	5700.0	42.7	-	31.9	5.6	33.5	-	46.6	-	105.2	-	58.6	-	
Vert.	5720.0	43.0	-	31.9	5.6	33.5	-	47.0	-	110.8	-	63.8	-	
Vert.	5725.0	43.8	-	31.9	5.6	33.5	-	47.8	-	122.2	-	74.4	-	

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.

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

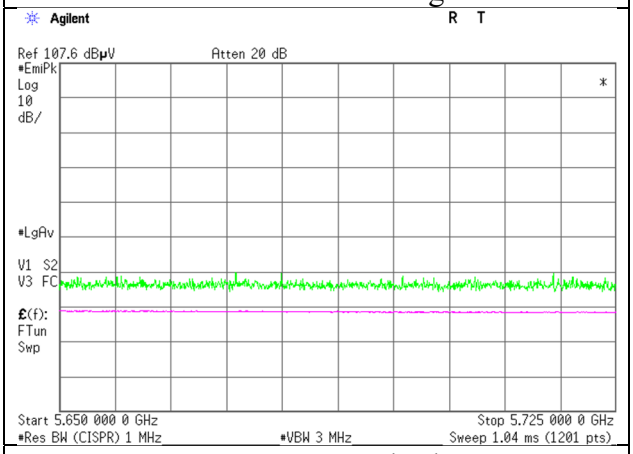
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (26-tone RU)

RU Index 0

Horizontal

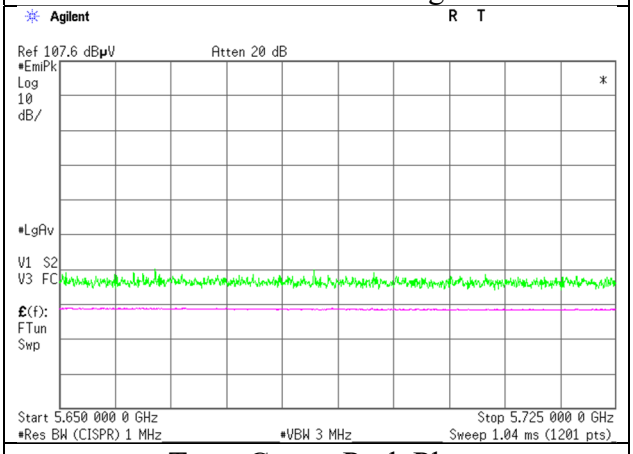
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 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	43.7	-	31.8	5.6	33.5	-	47.5	-	68.2	-	20.7	-	
Hori.	5700.0	43.7	-	31.9	5.6	33.5	-	47.7	-	105.2	-	57.6	-	
Hori.	5720.0	43.6	-	31.9	5.6	33.5	-	47.6	-	110.8	-	63.2	-	
Hori.	5725.0	44.0	-	31.9	5.6	33.5	-	48.0	-	122.2	-	74.2	-	
Vert.	5650.0	43.5	-	31.8	5.6	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5700.0	42.9	-	31.9	5.6	33.5	-	46.9	-	105.2	-	58.3	-	
Vert.	5720.0	43.9	-	31.9	5.6	33.5	-	47.8	-	110.8	-	63.0	-	
Vert.	5725.0	43.9	-	31.9	5.6	33.5	-	47.9	-	122.2	-	74.3	-	

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

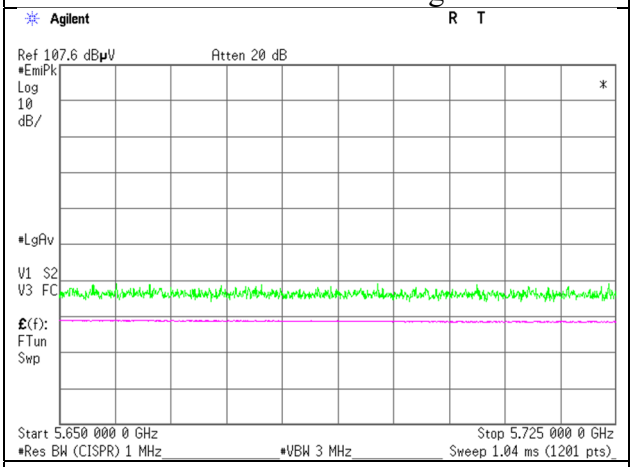
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (52-tone RU)

RU Index 37

Horizontal

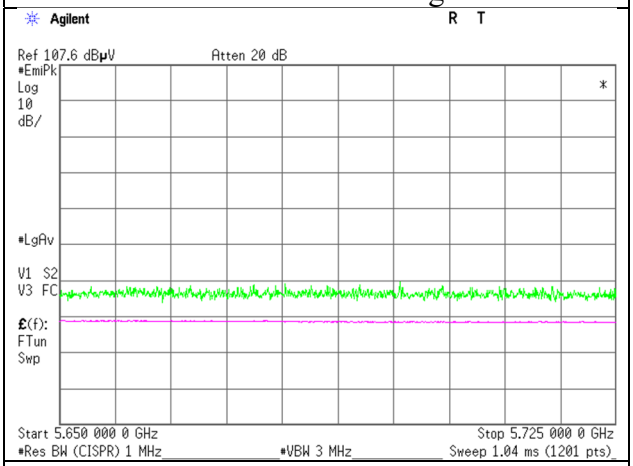
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 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	43.7	-	31.8	5.6	33.5	-	47.5	-	68.2	-	20.7	-	
Hori.	5700.0	43.7	-	31.9	5.6	33.5	-	47.7	-	105.2	-	57.6	-	
Hori.	5720.0	44.0	-	31.9	5.6	33.5	-	48.0	-	110.8	-	62.8	-	
Hori.	5725.0	44.6	-	31.9	5.6	33.5	-	48.6	-	122.2	-	73.7	-	
Vert.	5650.0	43.5	-	31.8	5.6	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5700.0	43.4	-	31.9	5.6	33.5	-	47.3	-	105.2	-	57.9	-	
Vert.	5720.0	44.0	-	31.9	5.6	33.5	-	48.0	-	110.8	-	62.8	-	
Vert.	5725.0	44.4	-	31.9	5.6	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

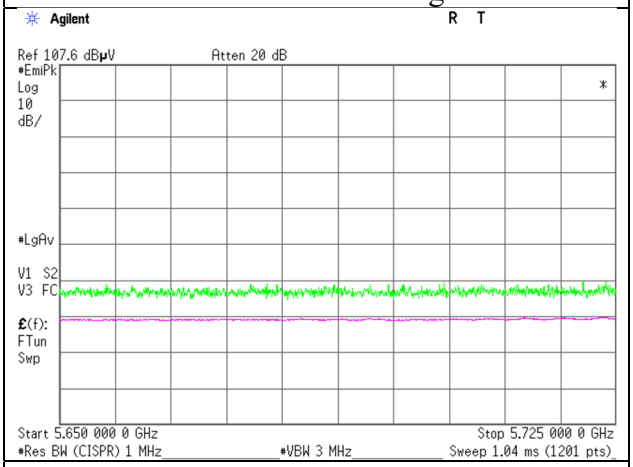
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (106-tone RU)

RU Index 53

Horizontal

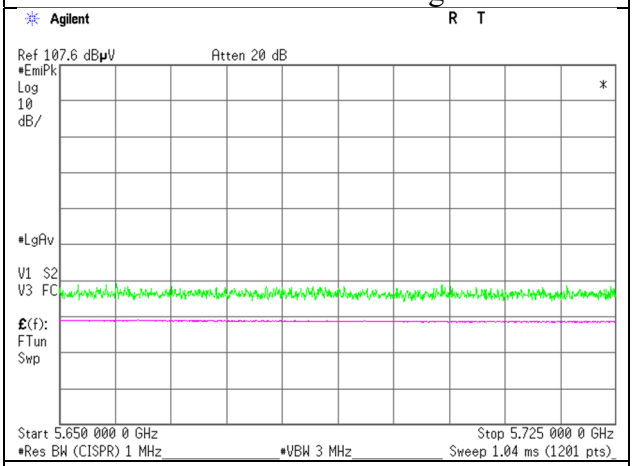
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 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	43.9	-	31.8	5.6	33.5	-	47.7	-	68.2	-	20.5	-	
Hori.	5700.0	43.9	-	31.9	5.6	33.5	-	47.8	-	105.2	-	57.4	-	
Hori.	5720.0	44.3	-	31.9	5.6	33.5	-	48.3	-	110.8	-	62.5	-	
Hori.	5725.0	44.7	-	31.9	5.6	33.5	-	48.7	-	122.2	-	73.6	-	
Vert.	5650.0	43.4	-	31.8	5.6	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5700.0	43.5	-	31.9	5.6	33.5	-	47.4	-	105.2	-	57.8	-	
Vert.	5720.0	44.4	-	31.9	5.6	33.5	-	48.4	-	110.8	-	62.4	-	
Vert.	5725.0	44.6	-	31.9	5.6	33.5	-	48.6	-	122.2	-	73.6	-	

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

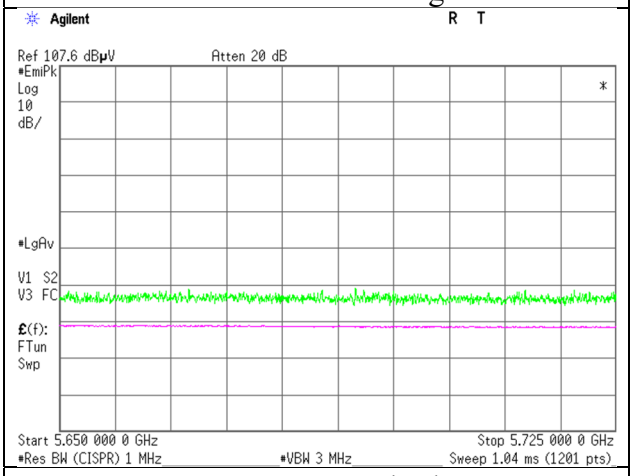
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (242-tone RU)

RU Index 61

Horizontal

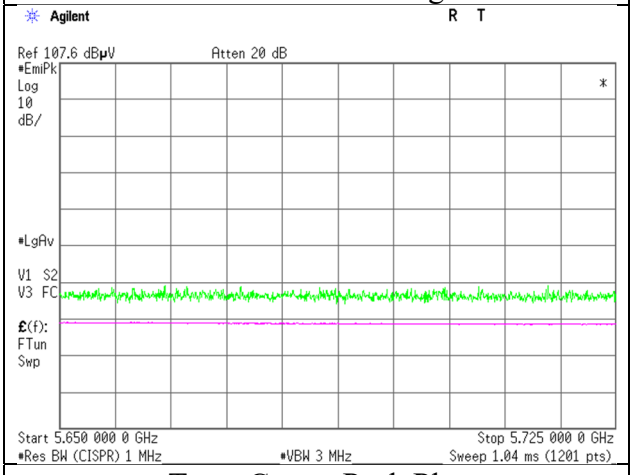
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 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.	5650.0	44.9	-	31.8	5.6	33.5	-	48.8	-	68.2	-	19.5	-	
Hori.	5700.0	44.6	-	31.9	5.6	33.5	-	48.6	-	105.2	-	56.6	-	
Hori.	5720.0	45.4	-	31.9	5.6	33.5	-	49.4	-	110.8	-	61.4	-	
Hori.	5725.0	45.5	-	31.9	5.6	33.5	-	49.5	-	122.2	-	72.7	-	
Vert.	5650.0	44.2	-	31.8	5.6	33.5	-	48.0	-	68.2	-	20.2	-	
Vert.	5700.0	44.2	-	31.9	5.6	33.5	-	48.2	-	105.2	-	57.0	-	
Vert.	5720.0	45.4	-	31.9	5.6	33.5	-	49.4	-	110.8	-	61.4	-	
Vert.	5725.0	45.6	-	31.9	5.6	33.5	-	49.6	-	122.2	-	72.6	-	

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

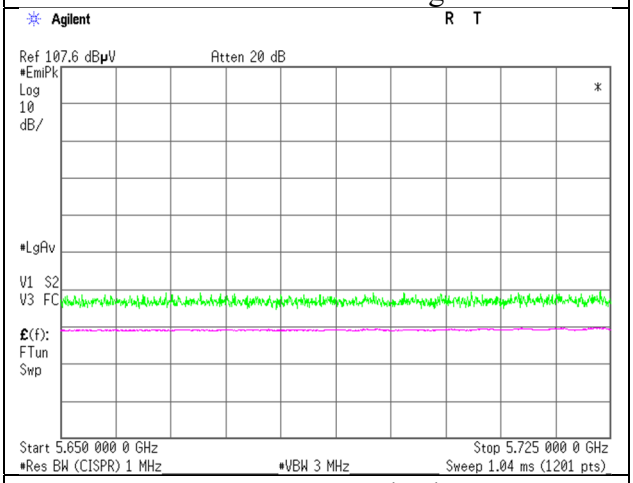
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)

RU Index 65

Horizontal

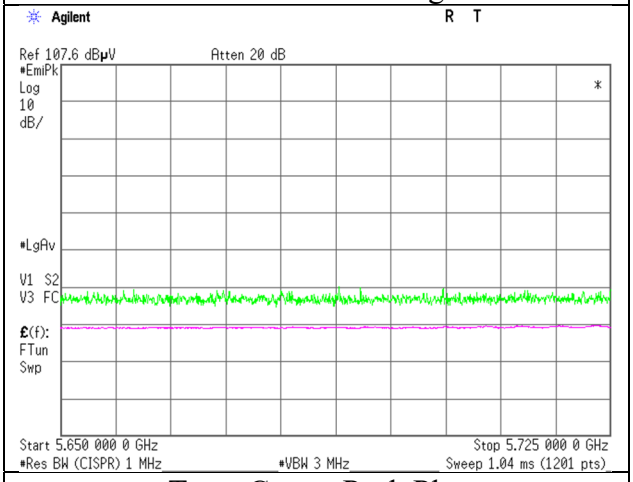
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (26-tone RU)

RU Index 36

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	42.6	-	32.2	5.7	33.5	-	46.9	-	122.2	-	75.3	-	
Hori.	5855.0	42.5	-	32.2	5.7	33.5	-	46.8	-	110.8	-	64.0	-	
Hori.	5875.0	42.9	-	32.2	5.7	33.5	-	47.2	-	105.2	-	58.0	-	
Hori.	5925.0	43.1	-	32.3	5.7	33.5	-	47.5	-	68.2	-	20.7	-	
Vert.	5850.0	42.6	-	32.2	5.7	33.5	-	46.9	-	122.2	-	75.3	-	
Vert.	5855.0	42.4	-	32.2	5.7	33.5	-	46.7	-	110.8	-	64.1	-	
Vert.	5875.0	42.2	-	32.2	5.7	33.5	-	46.6	-	105.2	-	58.6	-	
Vert.	5925.0	43.3	-	32.3	5.7	33.5	-	47.8	-	68.2	-	20.5	-	

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

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

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

*QP detector was used up to 1GHz.

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

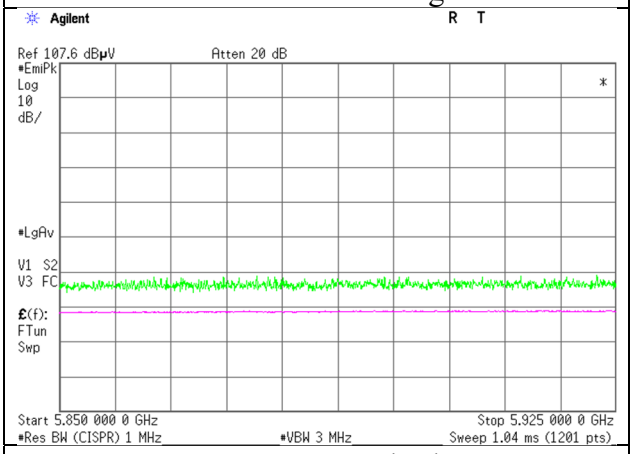
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (26-tone RU)

RU Index 36

Horizontal

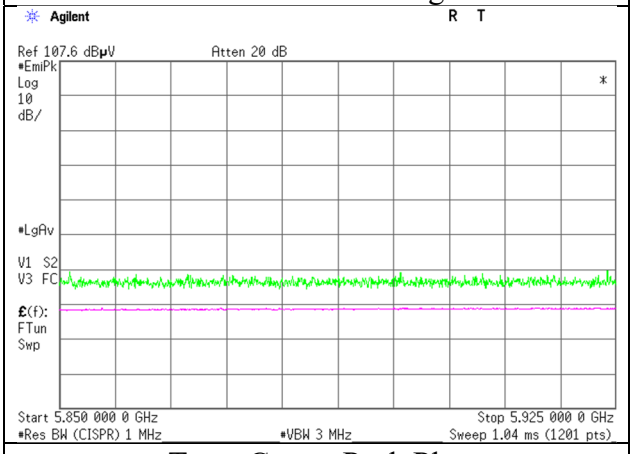
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (52-tone RU)

RU Index 52

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	42.6	-	32.2	5.7	33.5	-	47.0	-	122.2	-	75.3	-	
Hori.	5855.0	42.6	-	32.2	5.7	33.5	-	46.9	-	110.8	-	63.9	-	
Hori.	5875.0	43.0	-	32.2	5.7	33.5	-	47.4	-	105.2	-	57.9	-	
Hori.	5925.0	43.0	-	32.3	5.7	33.5	-	47.4	-	68.2	-	20.8	-	
Vert.	5850.0	42.7	-	32.2	5.7	33.5	-	47.0	-	122.2	-	75.2	-	
Vert.	5855.0	43.0	-	32.2	5.7	33.5	-	47.3	-	110.8	-	63.5	-	
Vert.	5875.0	43.0	-	32.2	5.7	33.5	-	47.3	-	105.2	-	57.9	-	
Vert.	5925.0	43.5	-	32.3	5.7	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

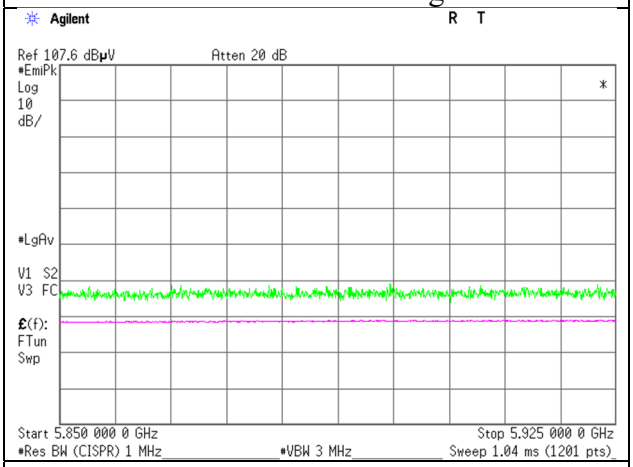
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (52-tone RU)

RU Index 52

Horizontal

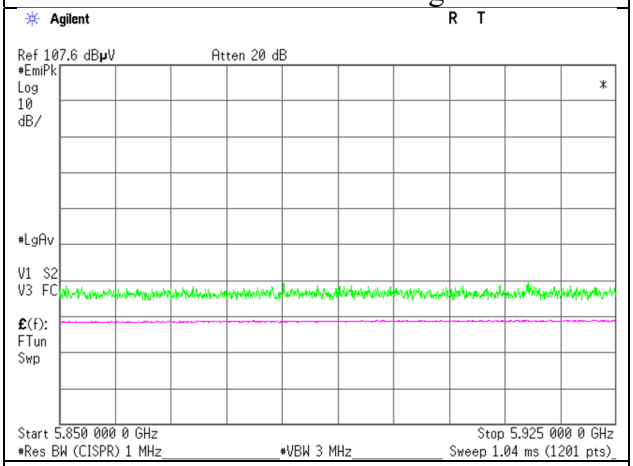
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (106-tone RU)

RU Index 60

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	43.2	-	32.2	5.7	33.5	-	47.5	-	122.2	-	74.7	-	
Hori.	5855.0	43.0	-	32.2	5.7	33.5	-	47.3	-	110.8	-	63.5	-	
Hori.	5875.0	43.3	-	32.2	5.7	33.5	-	47.7	-	105.2	-	57.5	-	
Hori.	5925.0	42.9	-	32.3	5.7	33.5	-	47.4	-	68.2	-	20.9	-	
Vert.	5850.0	43.2	-	32.2	5.7	33.5	-	47.5	-	122.2	-	74.7	-	
Vert.	5855.0	43.2	-	32.2	5.7	33.5	-	47.5	-	110.8	-	63.3	-	
Vert.	5875.0	43.1	-	32.2	5.7	33.5	-	47.4	-	105.2	-	57.8	-	
Vert.	5925.0	43.0	-	32.3	5.7	33.5	-	47.4	-	68.2	-	20.8	-	

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

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

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

*QP detector was used up to 1GHz.

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

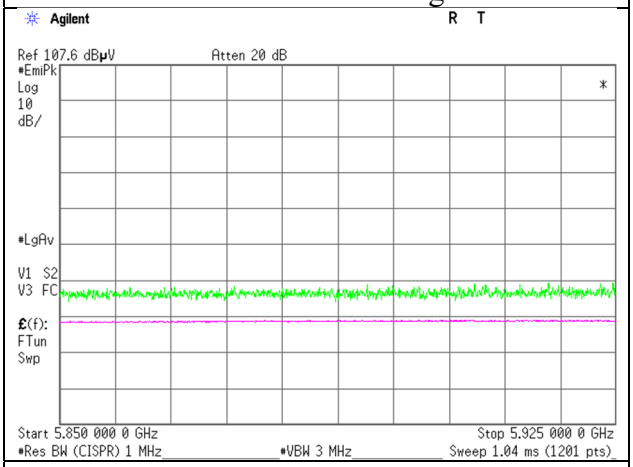
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (106-tone RU)

RU Index 60

Horizontal

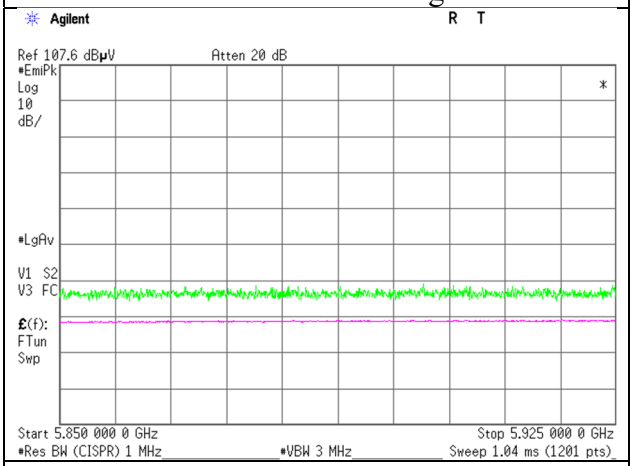
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (242-tone RU)

RU Index 64

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	43.4	-	32.2	5.7	33.5	-	47.7	-	122.2	-	74.5	-	
Hori.	5855.0	43.3	-	32.2	5.7	33.5	-	47.6	-	110.8	-	63.2	-	
Hori.	5875.0	43.4	-	32.2	5.7	33.5	-	47.8	-	105.2	-	57.4	-	
Hori.	5925.0	42.9	-	32.3	5.7	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5850.0	43.4	-	32.2	5.7	33.5	-	47.8	-	122.2	-	74.5	-	
Vert.	5855.0	43.2	-	32.2	5.7	33.5	-	47.5	-	110.8	-	63.3	-	
Vert.	5875.0	43.1	-	32.2	5.7	33.5	-	47.5	-	105.2	-	57.8	-	
Vert.	5925.0	42.9	-	32.3	5.7	33.5	-	47.4	-	68.2	-	20.8	-	

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

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

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

*QP detector was used up to 1GHz.

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

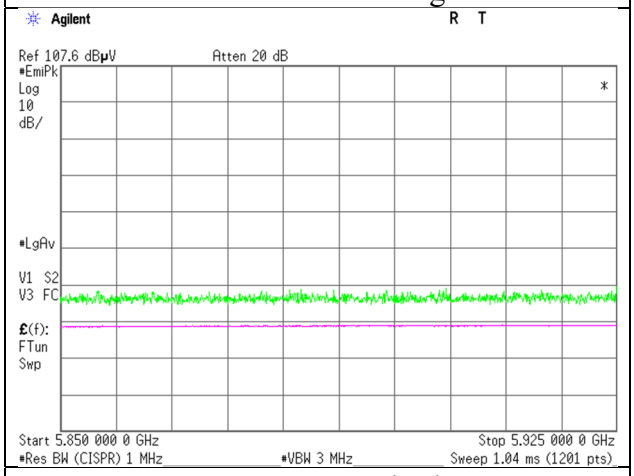
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (242-tone RU)

RU Index 64

Horizontal

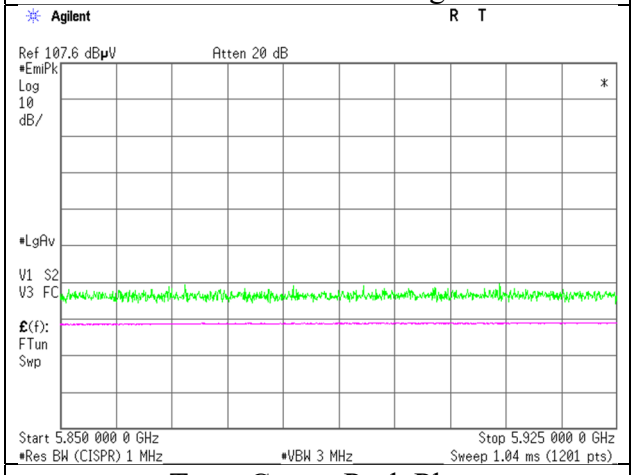
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)

RU Index 66

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	44.2	-	32.2	5.7	33.5	-	48.5	-	122.2	-	73.7	-	
Hori.	5855.0	43.5	-	32.2	5.7	33.5	-	47.8	-	110.8	-	63.0	-	
Hori.	5875.0	43.1	-	32.2	5.7	33.5	-	47.4	-	105.2	-	57.8	-	
Hori.	5925.0	43.4	-	32.3	5.7	33.5	-	47.9	-	68.2	-	20.4	-	
Vert.	5850.0	44.5	-	32.2	5.7	33.5	-	48.8	-	122.2	-	73.4	-	
Vert.	5855.0	43.7	-	32.2	5.7	33.5	-	48.0	-	110.8	-	62.8	-	
Vert.	5875.0	43.1	-	32.2	5.7	33.5	-	47.5	-	105.2	-	57.7	-	
Vert.	5925.0	43.9	-	32.3	5.7	33.5	-	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 20log (3.65 m / 3.0 m) = 1.71 dB

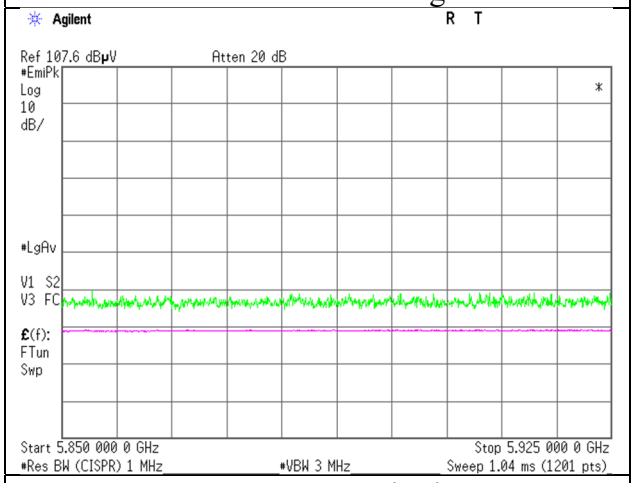
Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)

RU Index 66

Horizontal

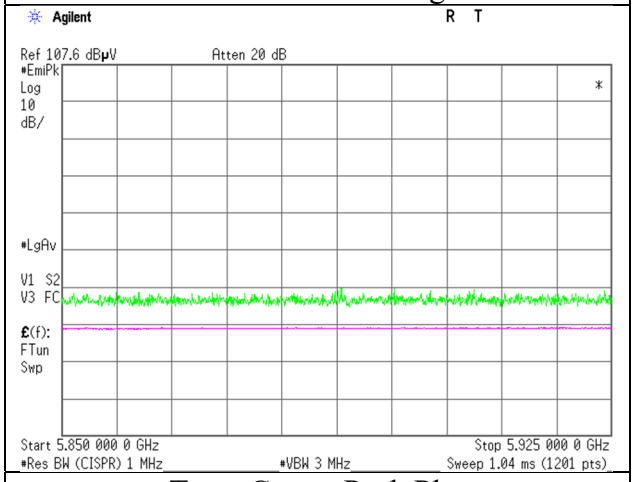
Restricted-band band-edge Plot



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 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (996-tone RU)

RU Index 67

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	45.3	-	31.8	5.6	33.5	-	49.1	-	68.2	-	19.1	-	
Hori.	5700.0	52.6	-	31.9	5.6	33.5	-	56.6	-	105.2	-	48.6	-	
Hori.	5720.0	53.0	-	31.9	5.6	33.5	-	57.0	-	110.8	-	53.8	-	
Hori.	5725.0	53.8	-	31.9	5.6	33.5	-	57.8	-	122.2	-	64.4	-	
Hori.	5850.0	51.2	-	32.2	5.7	33.5	-	55.5	-	122.2	-	66.7	-	
Hori.	5855.0	51.6	-	32.2	5.7	33.5	-	55.9	-	110.8	-	54.9	-	
Hori.	5875.0	48.7	-	32.2	5.7	33.5	-	53.0	-	105.2	-	52.2	-	
Hori.	5925.0	43.7	-	32.3	5.7	33.5	-	48.1	-	68.2	-	20.1	-	
Vert.	5650.0	43.4	-	31.8	5.6	33.5	-	47.3	-	68.2	-	20.9	-	
Vert.	5700.0	51.5	-	31.9	5.6	33.5	-	55.4	-	105.2	-	49.8	-	
Vert.	5720.0	52.7	-	31.9	5.6	33.5	-	56.7	-	110.8	-	54.1	-	
Vert.	5725.0	54.2	-	31.9	5.6	33.5	-	58.2	-	122.2	-	64.0	-	
Vert.	5850.0	51.1	-	32.2	5.7	33.5	-	55.4	-	122.2	-	66.8	-	
Vert.	5855.0	51.6	-	32.2	5.7	33.5	-	55.9	-	110.8	-	54.9	-	
Vert.	5875.0	48.5	-	32.2	5.7	33.5	-	52.8	-	105.2	-	52.4	-	
Vert.	5925.0	44.3	-	32.3	5.7	33.5	-	48.8	-	68.2	-	19.5	-	

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).

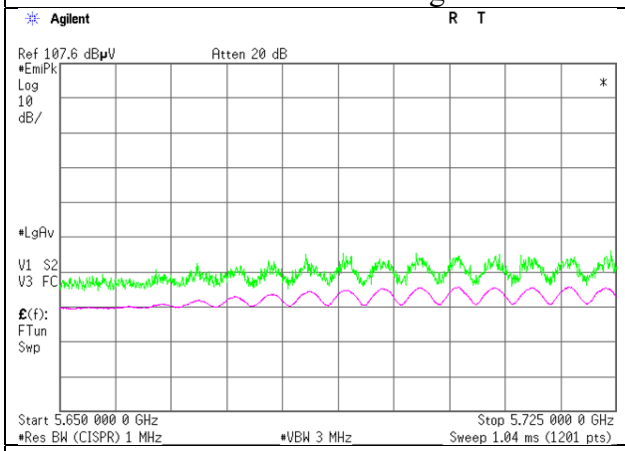
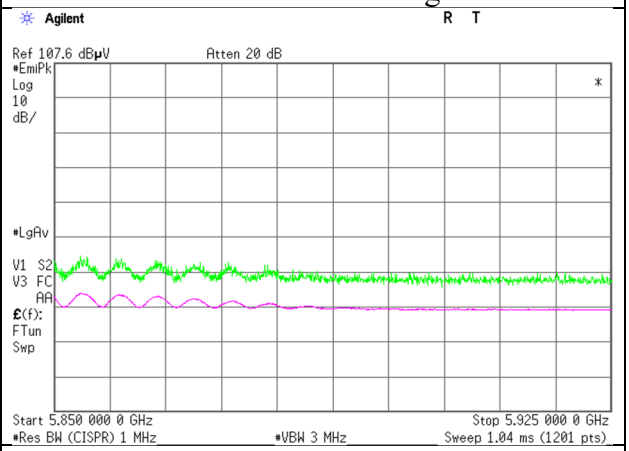
*QP detector was used up to 1GHz.

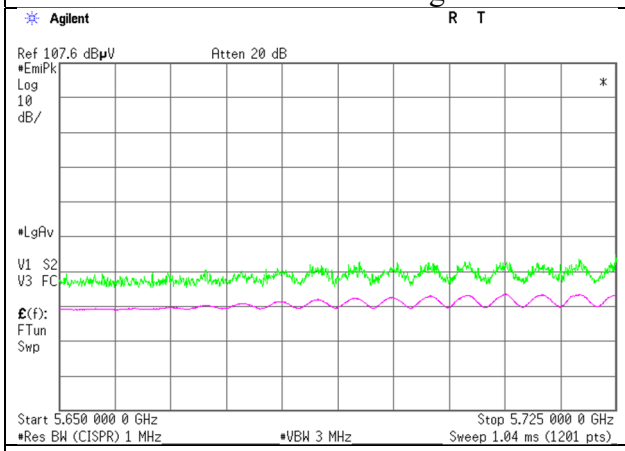
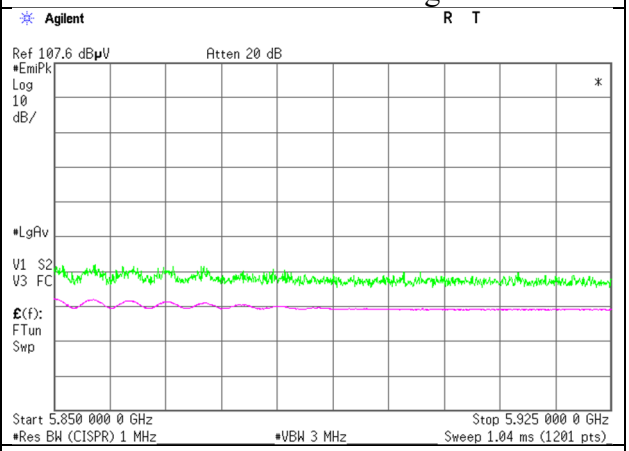
Distance factor: 1 GHz - 10 GHz 20log (3.65 m / 3.0 m) = 1.71 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2022
Temperature / Humidity	22 deg. C / 41 % RH
Engineer	Takumi Nishida
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (996-tone RU)

RU Index 67

Horizontal	Horizontal
Restricted-band band-edge Plot	Restricted-band band-edge Plot
	
Trace Green: Peak Plot Trace Purple: Average Plot	Trace Green: Peak Plot Trace Purple: Average Plot

Vertical	Vertical
Restricted-band band-edge Plot	Restricted-band band-edge Plot
	
Trace Green: Peak Plot Trace Purple: Average 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	No.2
Date	January 24, 2022	January 24, 2022
Temperature / Humidity	23 deg. C / 50 % RH	23 deg. C / 50 % RH
Engineer	Takeshi Hiyaji	Yuichiro Yamazaki
	(30 MHz - 10 GHz)	(10 GHz - 40 GHz)
Mode	Tx 11ax-80 5530 MHz (OFDM) + BT1 3DH5 (Hopping)	

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.	51.2	30.1	-	10.9	7.0	28.4	-	19.5	-	40.0	-	20.5	-	
Hori.	55.7	35.3	-	9.3	7.0	28.4	-	23.1	-	40.0	-	16.9	-	
Hori.	88.7	39.7	-	8.4	7.4	28.3	-	27.0	-	43.5	-	16.5	-	
Hori.	177.7	40.1	-	16.1	8.0	28.0	-	36.2	-	43.5	-	7.3	-	
Hori.	359.0	43.8	-	15.4	9.3	28.0	-	40.4	-	46.0	-	5.6	-	
Hori.	645.1	37.1	-	19.4	10.3	29.2	-	37.6	-	46.0	-	8.4	-	
Hori.	928.9	32.4	-	22.2	11.3	28.7	-	37.2	-	46.0	-	8.8	-	
Hori.	5460.0	52.2	41.9	31.8	5.5	33.5	0.8	56.0	46.4	68.2	53.9	12.2	7.5	*1)
Hori.	5470.0	52.4	-	31.8	5.5	33.5	-	56.1	-	68.2	-	12.1	-	
Hori.	11060.0	45.2	34.1	39.5	-2.2	33.6	-	48.9	37.8	73.9	53.9	25.0	16.1	Floor noise
Hori.	16590.0	46.1	-	40.1	-0.7	32.7	-	52.8	-	68.2	-	15.4	-	Floor noise
Vert.	55.2	44.2	-	9.5	7.0	28.4	-	32.3	-	40.0	-	7.7	-	
Vert.	55.7	47.8	-	9.3	7.0	28.4	-	35.7	-	40.0	-	4.3	-	
Vert.	88.7	49.3	-	8.4	7.4	28.3	-	36.7	-	43.5	-	6.9	-	
Vert.	177.7	38.9	-	16.1	8.0	28.0	-	35.0	-	43.5	-	8.5	-	
Vert.	359.0	37.6	-	15.4	9.3	28.0	-	34.1	-	46.0	-	11.9	-	
Vert.	645.1	40.5	-	19.4	10.3	29.2	-	41.0	-	46.0	-	5.1	-	
Vert.	928.9	37.2	-	22.2	11.3	28.7	-	42.0	-	46.0	-	4.0	-	
Vert.	5460.0	50.9	39.7	31.8	5.5	33.5	0.8	54.6	44.2	68.2	53.9	13.6	9.7	*1)
Vert.	5470.0	50.7	-	31.8	5.5	33.5	-	54.5	-	68.2	-	13.7	-	
Vert.	11060.0	45.1	34.1	39.5	-2.2	33.6	-	48.8	37.8	73.9	53.9	25.1	16.1	Floor noise
Vert.	16590.0	46.5	-	40.1	-0.7	32.7	-	53.2	-	68.2	-	15.0	-	Floor noise

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

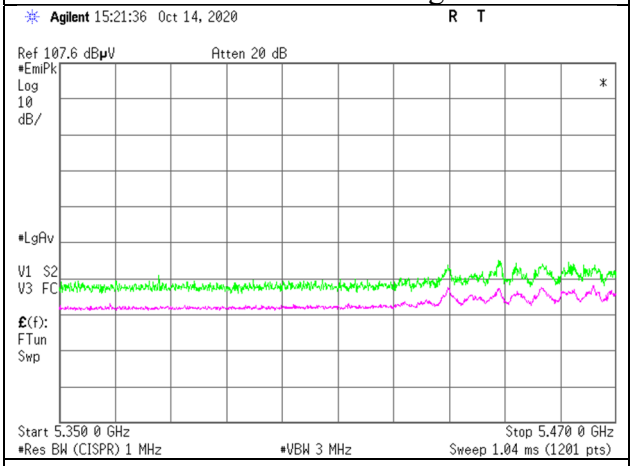
10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2022
Temperature / Humidity	23 deg. C / 50 % RH
Engineer	Takeshi Hiyaji
Mode	Tx 11ax-80 5530 MHz (OFDM) + BT1 3DH5 (Hopping)

Horizontal

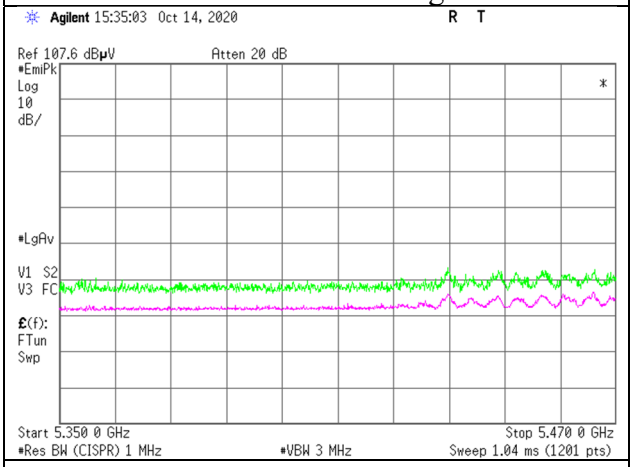
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot

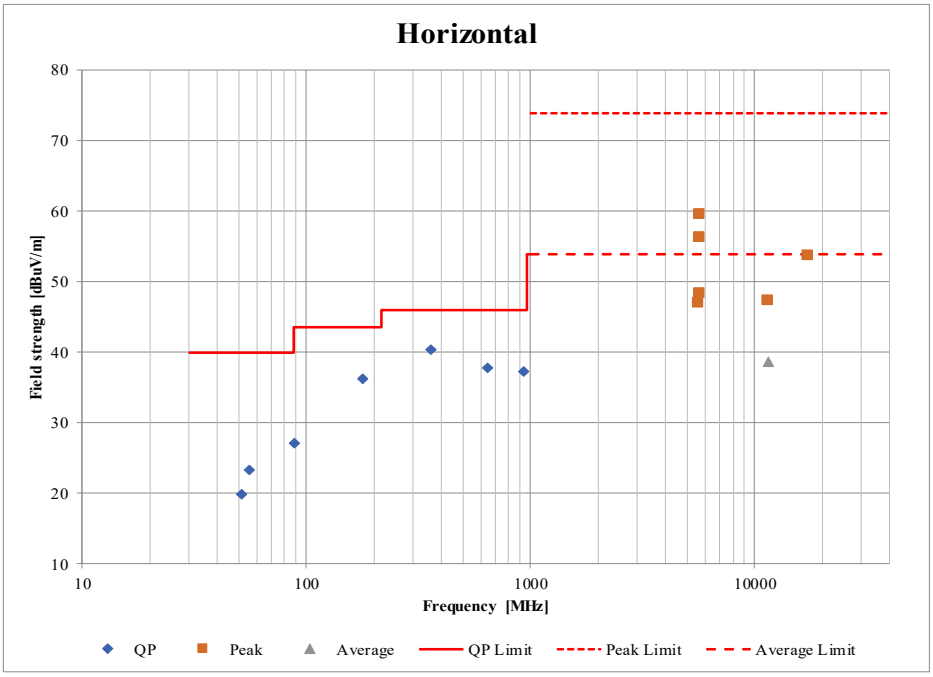


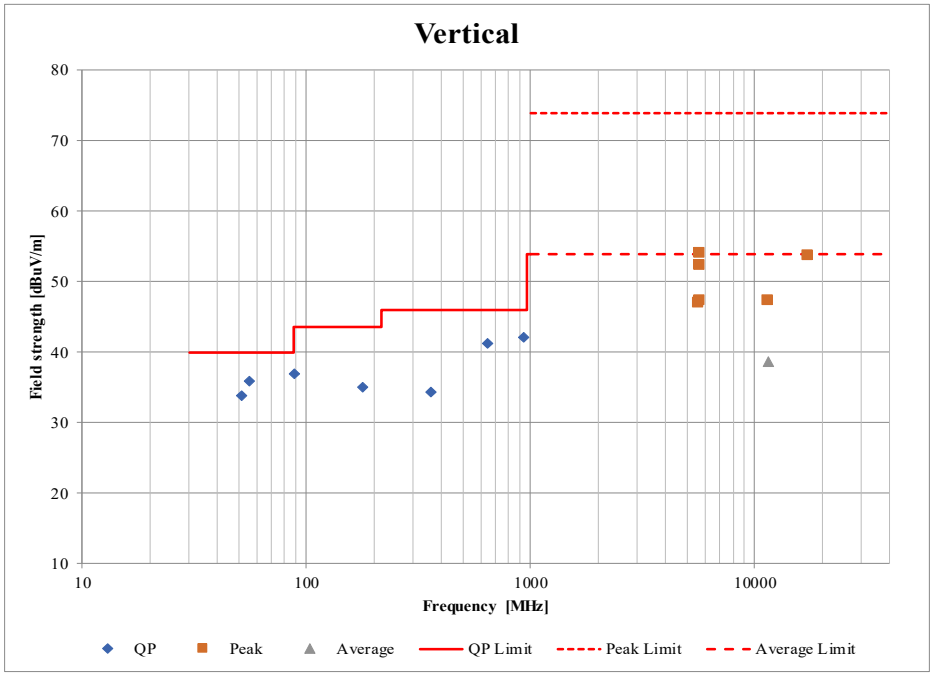
Trace Green: Peak Plot
Trace Purple: Average Plot

* 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
(Plot data, Worst case mode for Maximum Conducted Output Power)

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.2	No.2	No.2	No.2
Date	January 18, 2022	January 23, 2022	January 23, 2022	January 24, 2022
Temperature / Humidity	22 deg. C / 42 % RH	22 deg. C / 43 % RH	23 deg. C / 45 % RH	23 deg. C / 50 % RH
Engineer	Takeshi Hiyaji	Yuta Moriya	Yuichiro Yamazaki	Takeshi Hiyaji
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(Above 18 GHz)	(Below 1 GHz)
Mode	Tx 11ax-40 5755 MHz (OFDM)			





*These plots data contains sufficient number to show the trend of characteristic features for EUT.

APPENDIX 2: Test Instruments

Test Equipment

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	MHA-06	141512	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	254	10/21/2021	12
RE	MCC-218	141394	Microwave Cable	Junkosha	MWX221	1607S141(1 m) / 1608S264(5 m)	09/30/2021	12
RE	MPA-10	141579	Pre Amplifier	Keysight Technologies Inc	8449B	3008A02142	02/18/2021	12
RE	MSA-04	141885	Spectrum Analyzer	Keysight Technologies Inc	E4448A	US44300523	11/10/2021	12
RE	MAEC-02	142004	AC2_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	05/26/2020	24
RE	MOS-41	192300	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	0013	12/19/2021	12
RE	MMM-01	141542	Digital Tester	Fluke Corporation	FLUKE 26-3	78030611	08/10/2021	12
RE	MJM-27	142228	Measure	KOMELON	KMC-36	-	-	-
RE	COTS-MEMI-02	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
RE	MAEC-02-SVSWR	142006	AC2_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-06902	04/09/2021	24
RE	MHF-16	141406	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCA	7001	09/30/2021	12
RE	MCC-176	141279	Microwave Cable	Junkosha	MMX221-00500DMSDMS	1502S303	03/01/2021	12
RE	MHA-17	141506	Horn Antenna 15-40GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9170	BBHA9170307	07/20/2021	12
RE	MCC-54	141325	Microwave Cable	Suhner	SUCOFLEX101	2873(1m) / 2876(5m)	03/02/2021	12
RE	MPA-03	141577	Microwave System Power Amplifier	Keysight Technologies Inc	83050A	MY39500610	10/28/2021	12
RE	MHA-03	141504	Horn Antenna 26.5-40GHz	EMCO	3160-10	1150	09/03/2021	12
RE	MAT-07	141203	Attenuator(6dB)	Weinschel Corp	2	BK7970	11/09/2021	12
RE	MBA-08	141427	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103B+BBA9106	08031	07/10/2021	12
RE	MCC-12	141317	Coaxial Cable	UL Japan Inc.	-	-	09/06/2021	12
RE	MLA-21	141265	Logperiodic Antenna(200-1000MHz)	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	9111B-190	07/10/2021	12
RE	MPA-24	141594	Pre Amplifier	Keysight Technologies Inc	8447D	2944A10150	02/18/2021	12
RE	MTR-10	141951	EMI Test Receiver	Rohde & Schwarz	ESR26	101408	03/09/2021	12
RE	MOS-13	141554	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	1301	01/10/2022	12
RE	MMM-08	141532	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	51201197	01/16/2022	12
RE	MJM-16	142183	Measure	KOMELON	KMC-36	-	-	-
RE	MAEC-03-SVSWR	142013	AC3_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-10005	04/01/2021	24
RE	MHA-20	141507	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	258	11/09/2021	12
RE	MPA-11	141580	MicroWave System Amplifier	Keysight Technologies Inc	83017A	MY39500779	03/03/2021	12
RE	MCC-231	177964	Microwave Cable	Junkosha INC.	MMX221	1901S329(1m)/1902S579(5m)	03/04/2021	12
RE	MHF-22	141293	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCB	602	02/18/2021	12
RE	MCC-177	141226	Microwave Cable	Junkosha	MMX221-00500DMSDMS	1502S304	03/01/2021	12
RE	MHA-16	141513	Horn Antenna 15-40GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9170	BBHA9170306	06/07/2021	12

***Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.**

The expiration date of the calibration is the end of the expired month.
As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

Test item:

RE: Radiated Emission