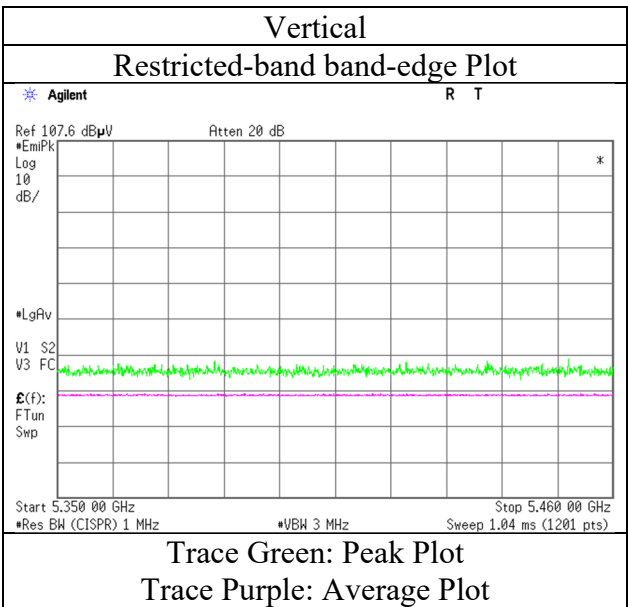
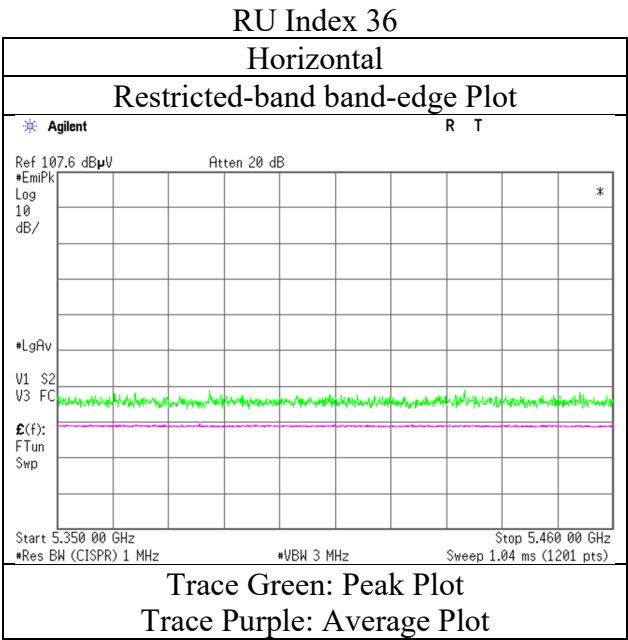


Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (26-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Hiroki Numata
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (52-tone RU)

RU Index 52

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	43.4	35.1	31.7	6.2	31.6	0.3	49.6	41.6	73.9	53.9	24.3	12.3	*1)
Vert.	5350.0	40.9	33.0	31.7	6.2	31.6	0.3	47.1	39.6	73.9	53.9	26.8	14.3	*1)

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

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

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

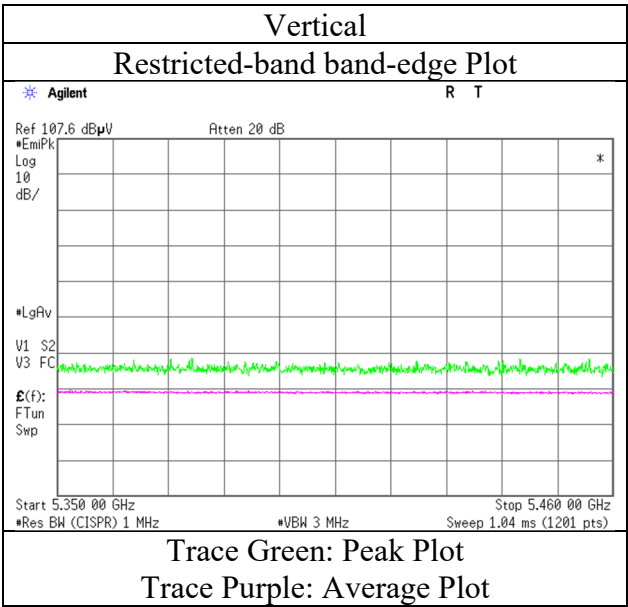
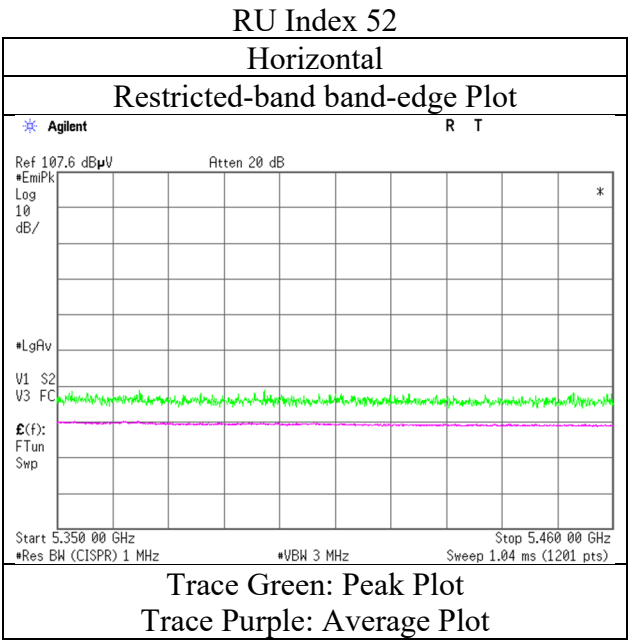
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (52-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (106-tone RU)

RU Index 60

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	43.6	34.8	31.7	6.2	31.6	0.3	49.8	41.4	73.9	53.9	24.1	12.6	*1)
Vert.	5350.0	42.5	33.9	31.7	6.2	31.6	0.3	48.7	40.4	73.9	53.9	25.2	13.5	*1)

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

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

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

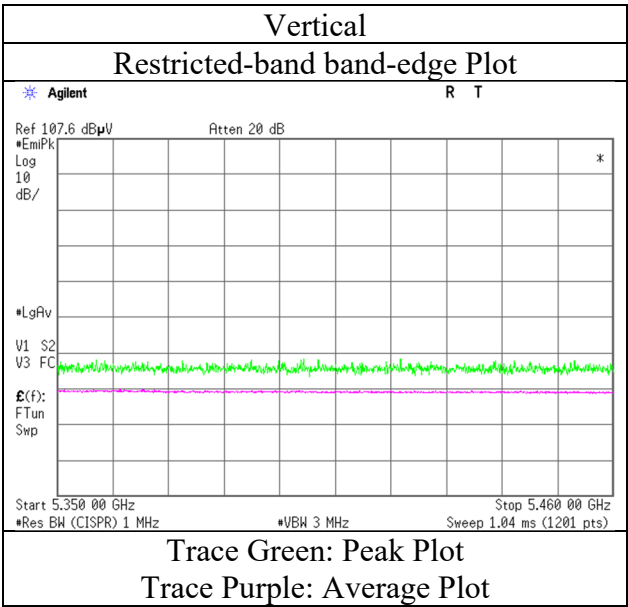
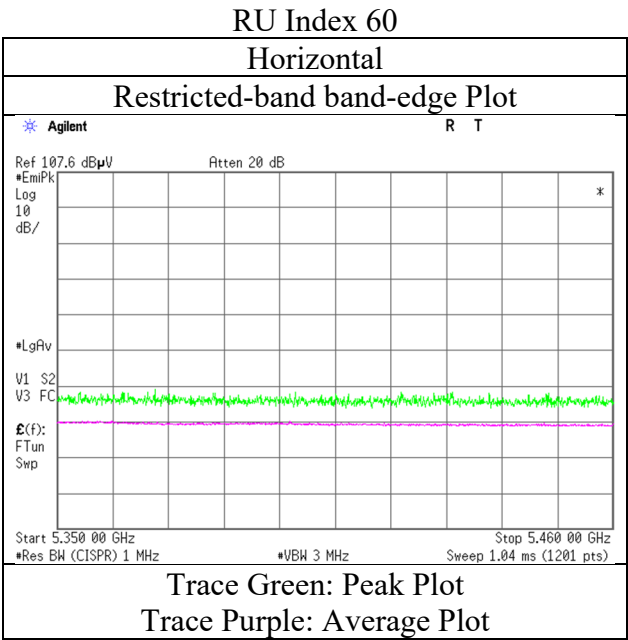
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (106-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (242-tone RU)

RU Index 64

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	45.1	36.9	31.7	6.2	31.6	0.4	51.3	43.4	73.9	53.9	22.6	10.5	*1)
Vert.	5350.0	43.5	35.6	31.7	6.2	31.6	0.4	49.8	42.2	73.9	53.9	24.2	11.7	*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.

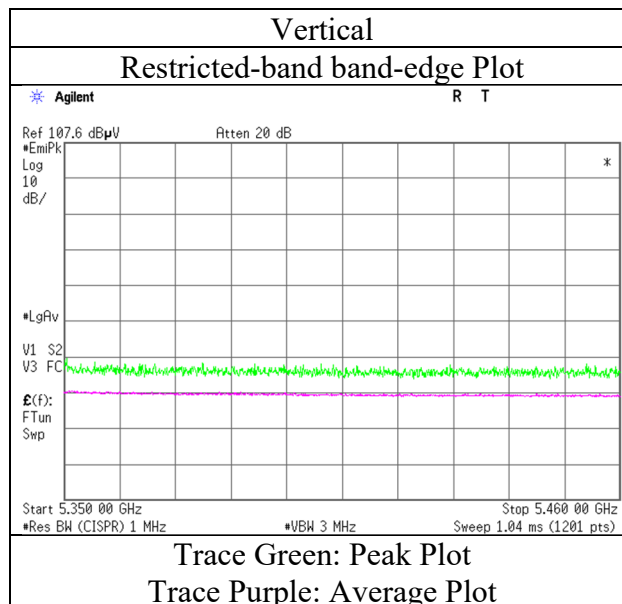
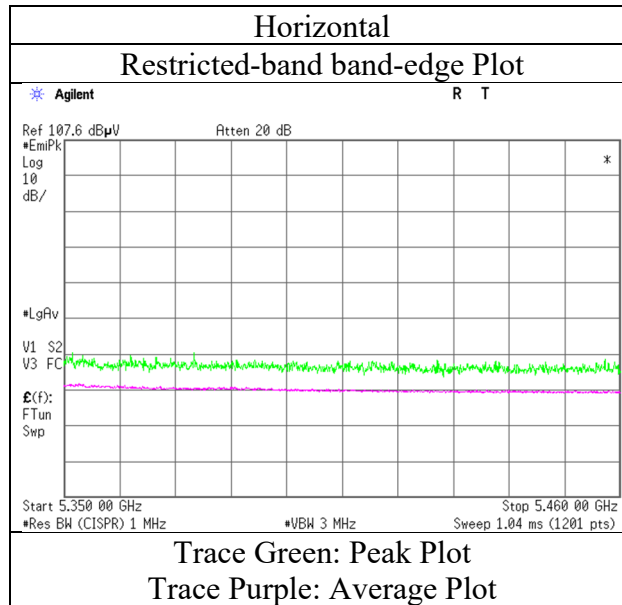
*1) Not Out of Band emission(Leakage Power)

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (242-tone RU)

RU Index 64



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (484-tone RU)

RU Index 66

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	46.9	38.7	31.7	6.2	31.6	0.4	53.1	45.3	73.9	53.9	20.8	8.6	*1)
Vert.	5350.0	45.1	36.8	31.7	6.2	31.6	0.4	51.4	43.4	73.9	53.9	22.5	10.5	*1)

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

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

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

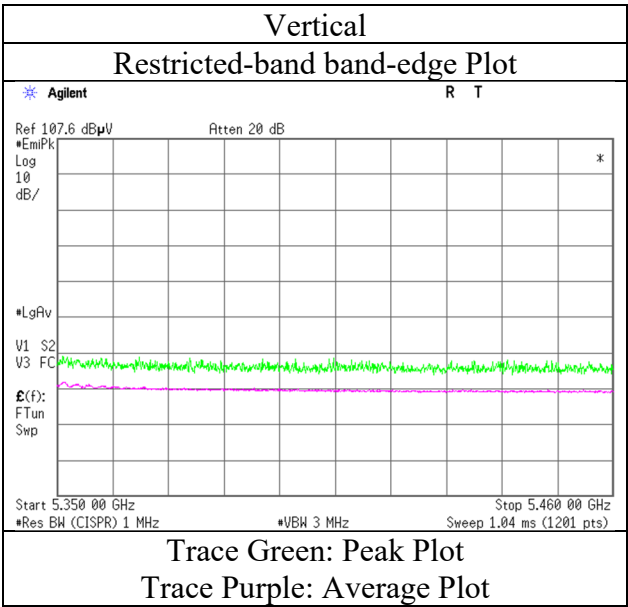
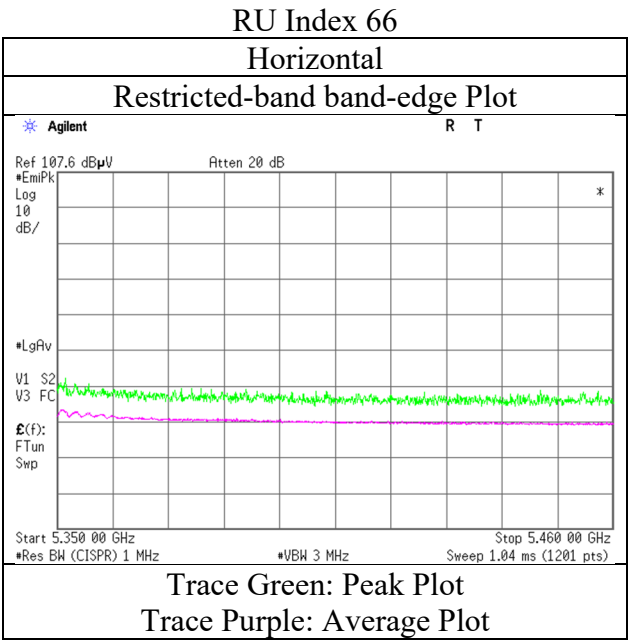
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (484-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (996-tone RU)

RU Index 67

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	47.2	38.3	31.7	6.2	31.6	0.4	53.5	44.9	73.9	53.9	20.5	9.0	*1)
Vert.	5350.0	45.9	36.5	31.7	6.2	31.6	0.4	52.1	43.2	73.9	53.9	21.8	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).

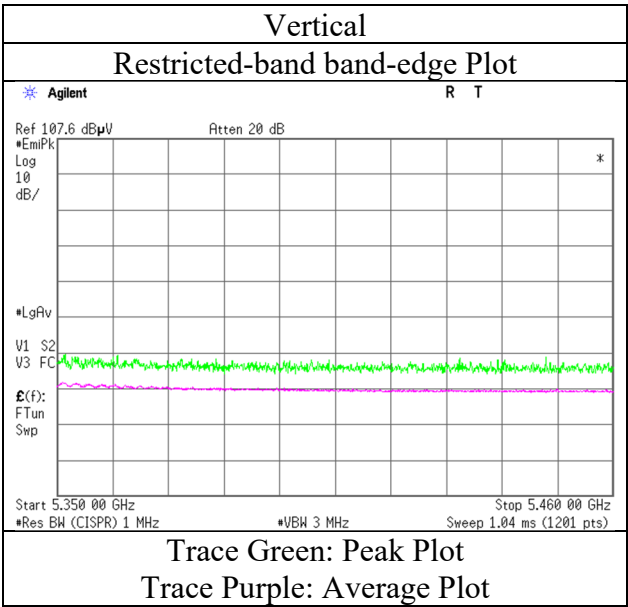
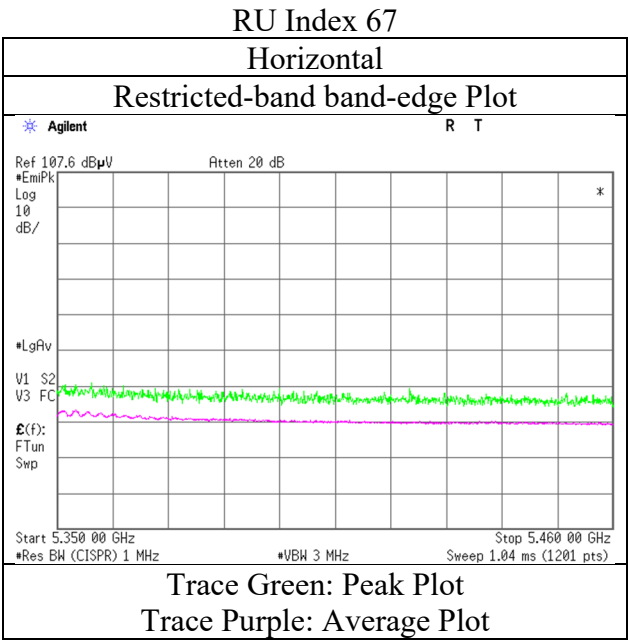
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Hiroki Numata
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (996-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (26-tone RU)

RU Index 0

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	42.1	31.8	31.9	6.2	31.7	0.2	48.5	38.5	68.2	53.9	19.7	15.4	*1)
Hori.	5470.0	42.2	-	31.9	6.2	31.7	-	48.7	-	68.2	-	19.5	-	-
Vert.	5460.0	41.4	31.5	31.9	6.2	31.7	0.2	47.9	38.2	68.2	53.9	20.3	15.7	*1)
Vert.	5470.0	41.9	-	31.9	6.2	31.7	-	48.4	-	68.2	-	19.9	-	-

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

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

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

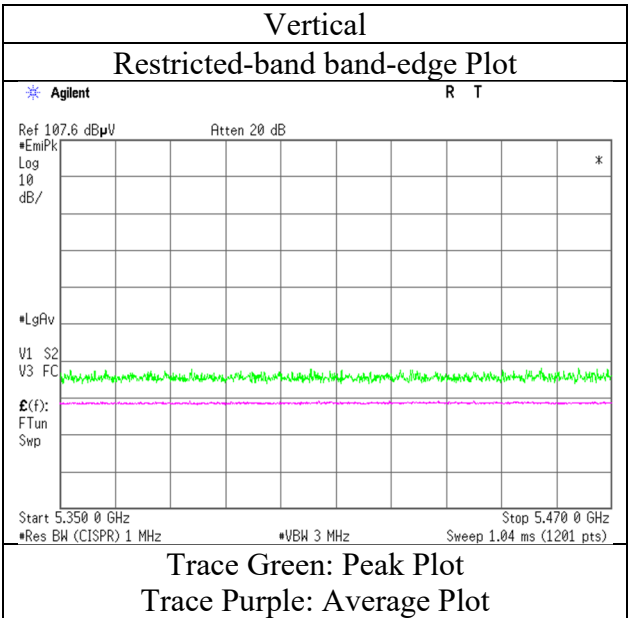
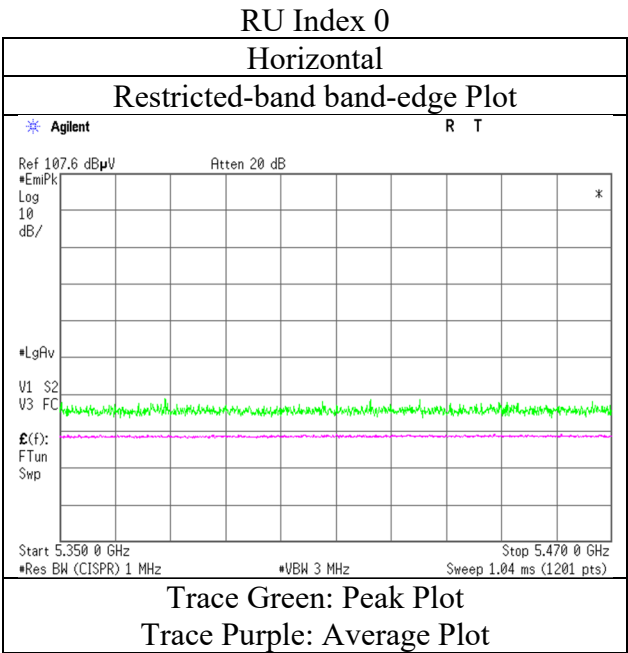
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (26-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 MHz (52-tone RU)

RU Index 37

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	43.5	33.1	31.9	6.2	31.7	0.3	50.0	39.9	68.2	53.9	18.2	14.0	*1)
Hori.	5470.0	43.6	-	31.9	6.2	31.7	-	50.0	-	68.2	-	18.2	-	
Vert.	5460.0	42.1	31.9	31.9	6.2	31.7	0.3	48.5	38.6	68.2	53.9	19.7	15.3	*1)
Vert.	5470.0	42.9	-	31.9	6.2	31.7	-	49.4	-	68.2	-	18.8	-	

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).

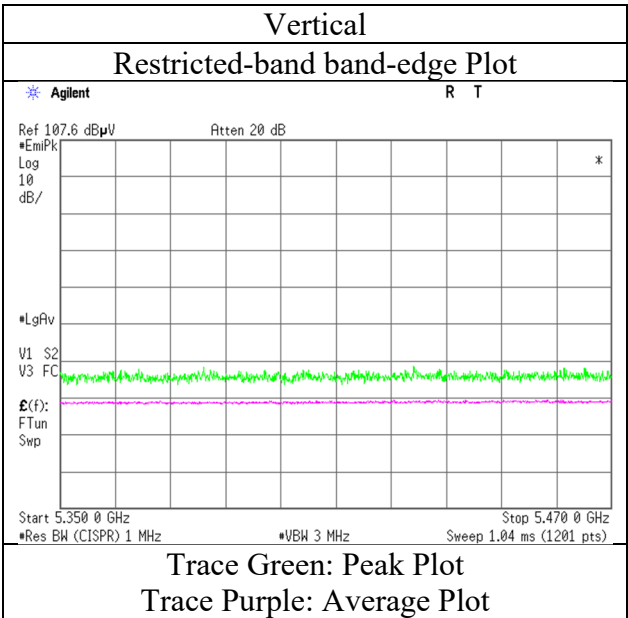
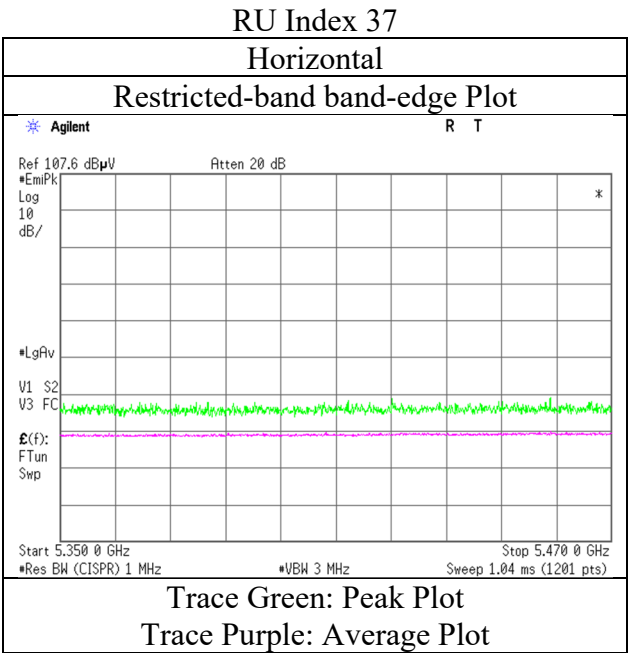
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (52-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (106-tone RU)

RU Index 53

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	45.1	35.0	31.9	6.2	31.7	0.3	51.5	41.7	68.2	53.9	16.7	12.2	*1)
Hori.	5470.0	45.4	-	31.9	6.2	31.7	-	51.8	-	68.2	-	16.4	-	
Vert.	5460.0	44.6	34.0	31.9	6.2	31.7	0.3	51.0	40.7	68.2	53.9	17.2	13.2	*1)
Vert.	5470.0	45.0	-	31.9	6.2	31.7	-	51.4	-	68.2	-	16.8	-	

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).

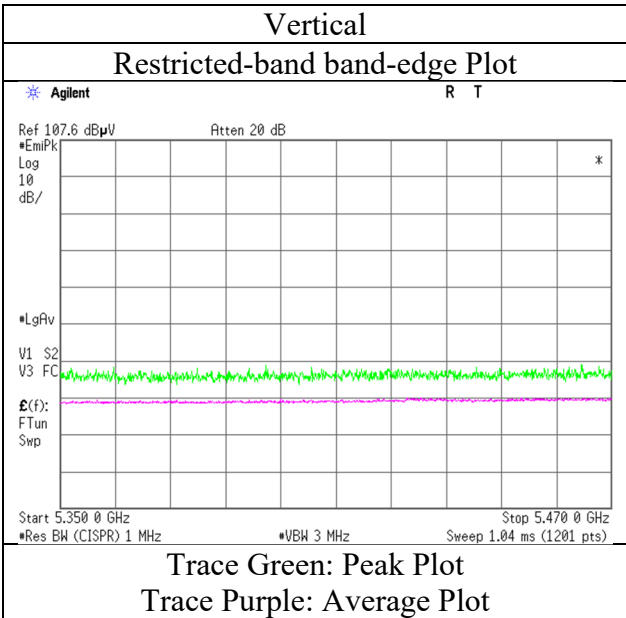
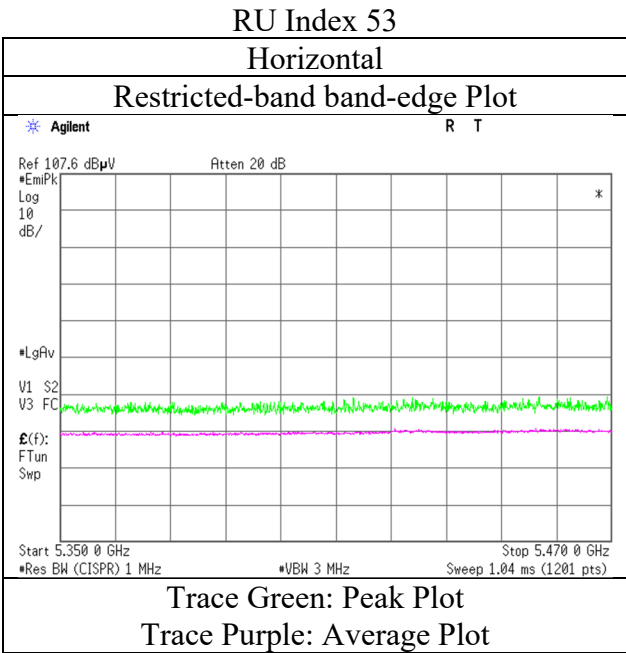
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (106-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 MHz (242-tone RU)

RU Index 61

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	48.1	37.3	31.9	6.2	31.7	0.4	54.6	44.1	68.2	53.9	13.6	9.8	*1)
Hori.	5470.0	50.6	-	31.9	6.2	31.7	-	57.1	-	68.2	-	11.1	-	
Vert.	5460.0	46.1	35.8	31.9	6.2	31.7	0.4	52.5	42.6	68.2	53.9	15.7	11.4	*1)
Vert.	5470.0	46.9	-	31.9	6.2	31.7	-	53.3	-	68.2	-	14.9	-	

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).

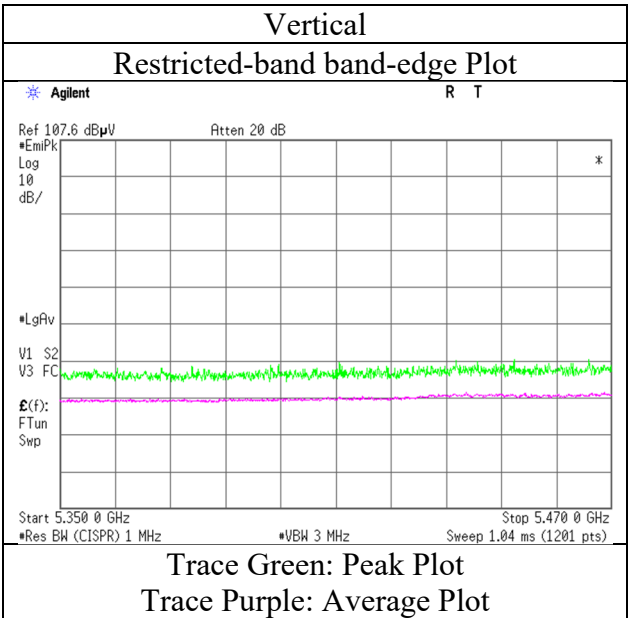
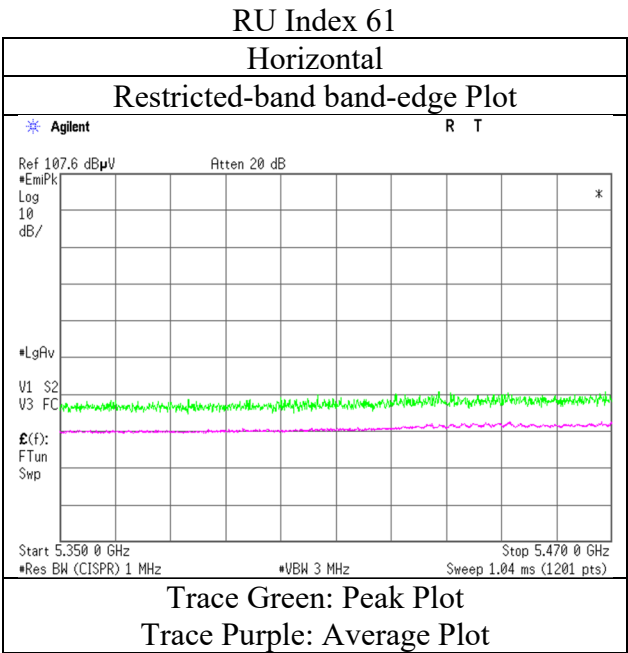
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (242-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	52.3	39.9	31.9	6.2	31.7	0.4	58.7	46.7	68.2	53.9	9.5	7.2	*1)
Hori.	5470.0	55.0	-	31.9	6.2	31.7	-	61.4	-	68.2	-	6.8	-	
Vert.	5460.0	48.8	37.4	31.9	6.2	31.7	0.4	55.3	44.2	68.2	53.9	12.9	9.7	*1)
Vert.	5470.0	50.5	-	31.9	6.2	31.7	-	56.9	-	68.2	-	11.3	-	

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

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

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

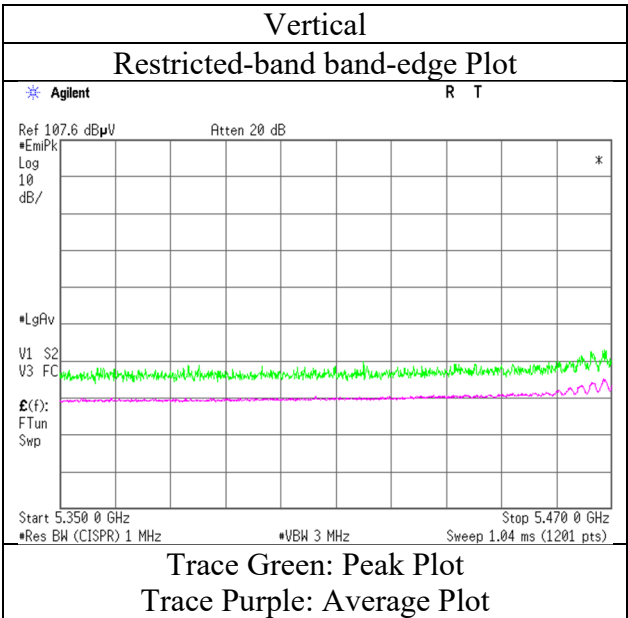
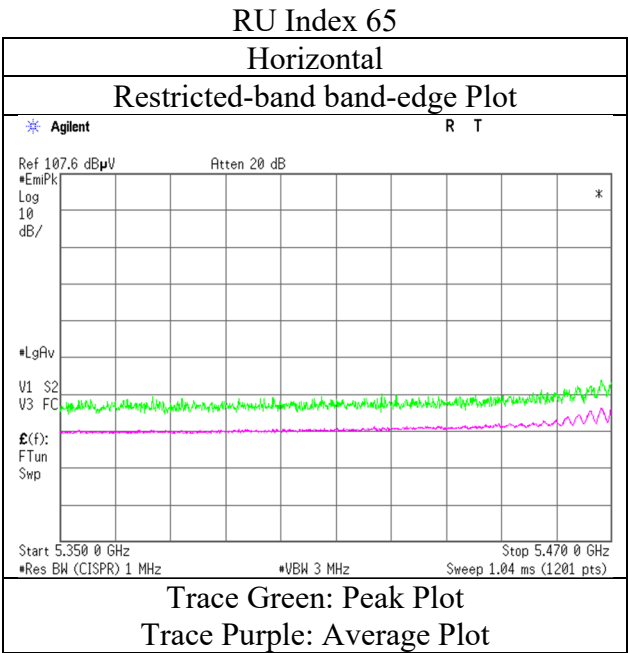
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (484-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 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.	5460.0	53.2	42.4	31.9	6.2	31.7	0.4	59.7	49.2	68.2	53.9	8.5	4.7	*1)
Hori.	5470.0	54.6	-	31.9	6.2	31.7	-	61.0	-	68.2	-	7.2	-	
Vert.	5460.0	49.1	38.9	31.9	6.2	31.7	0.4	55.5	45.7	68.2	53.9	12.7	8.2	*1)
Vert.	5470.0	50.4	-	31.9	6.2	31.7	-	56.9	-	68.2	-	11.3	-	

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

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

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

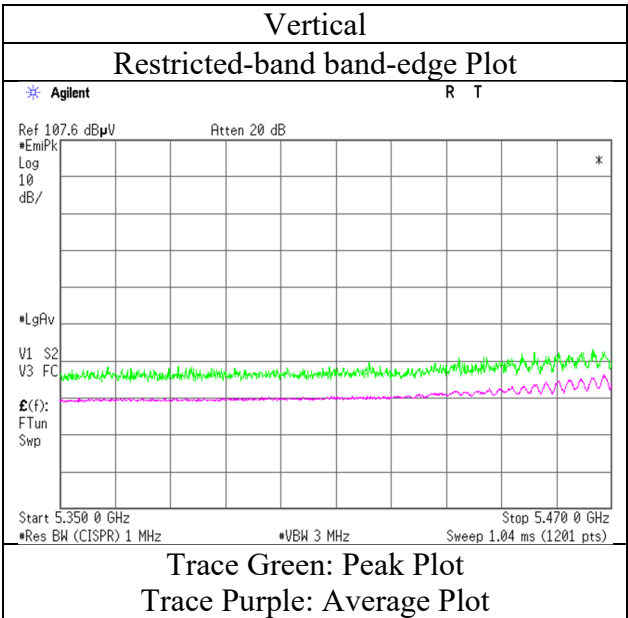
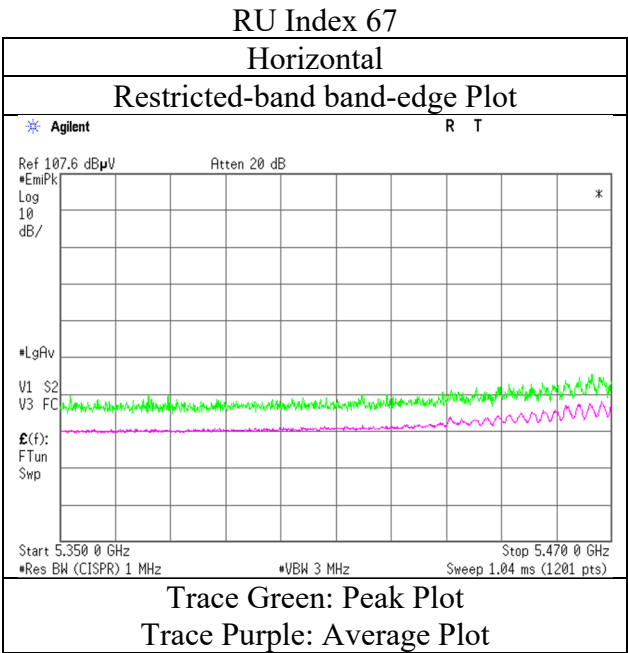
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 MHz (996-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (26-tone RU)

RU Index 36

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	42.0	-	32.1	6.3	31.7	-	48.8	-	68.2	-	19.4	-	
Vert.	5725.0	41.5	-	32.1	6.3	31.7	-	48.2	-	68.2	-	20.0	-	

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

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

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

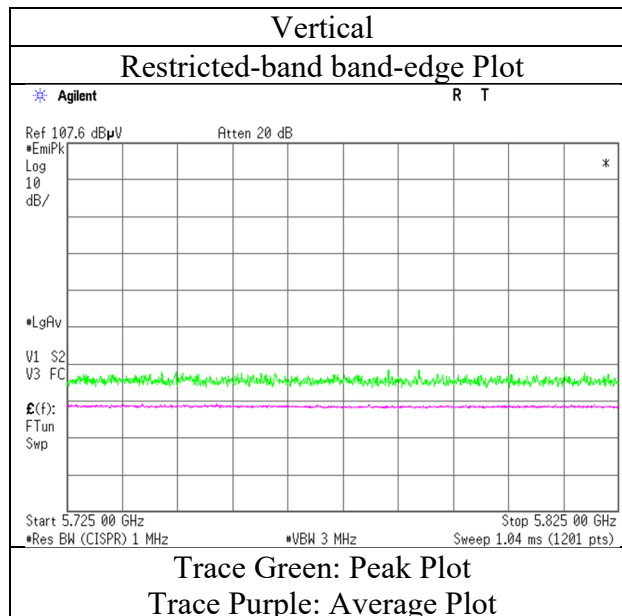
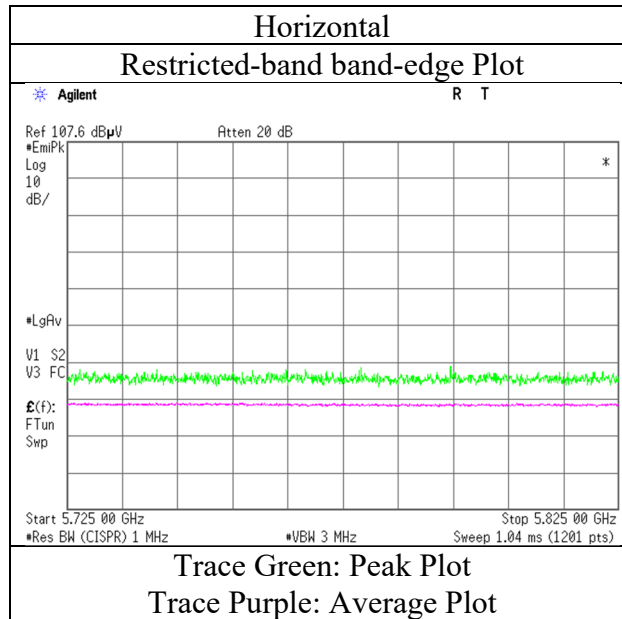
*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (26-tone RU)

RU Index 36



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (52-tone RU)

RU Index 52

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	42.4	-	32.1	6.3	31.7	-	49.1	-	68.2	-	19.1	-	
Vert.	5725.0	42.1	-	32.1	6.3	31.7	-	48.9	-	68.2	-	19.3	-	

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

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

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

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

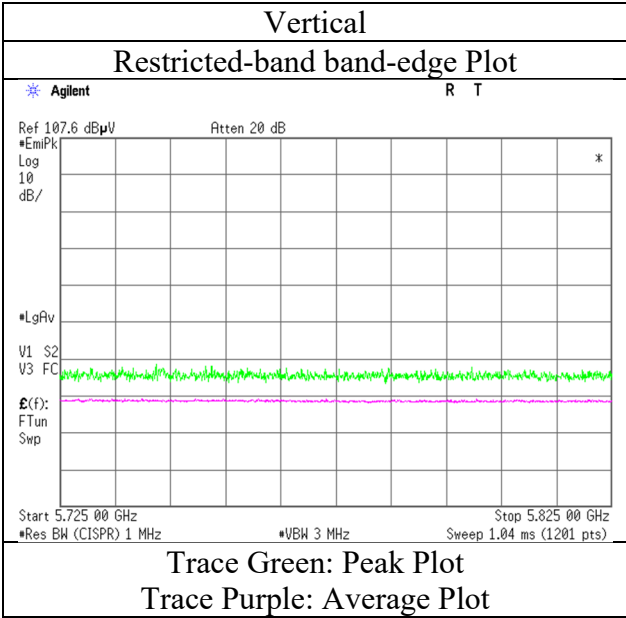
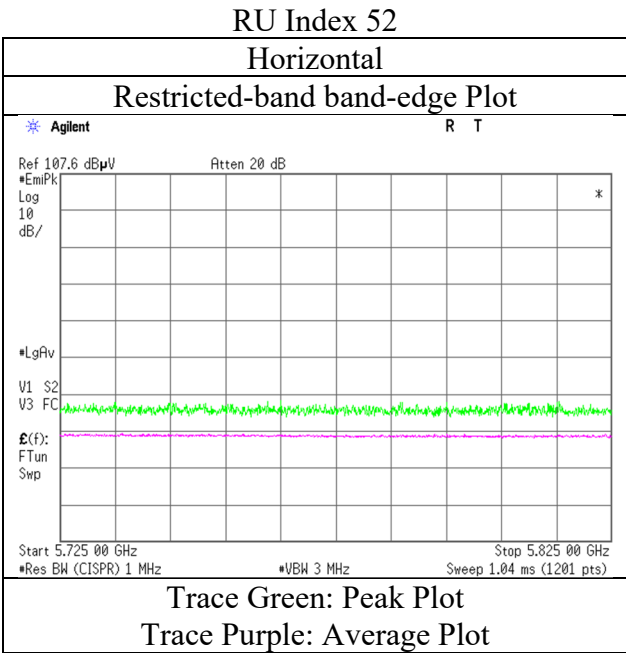
February 1, 2022

20 deg. C / 36 % RH

Yuta Moriya

(1 GHz - 10 GHz)

Tx 11ax-80 5610 MHz (52-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (106-tone RU)

RU Index 60

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	43.1	-	32.1	6.3	31.7	-	49.8	-	68.2	-	18.4	-	
Vert.	5725.0	42.2	-	32.1	6.3	31.7	-	49.0	-	68.2	-	19.2	-	

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

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

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

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

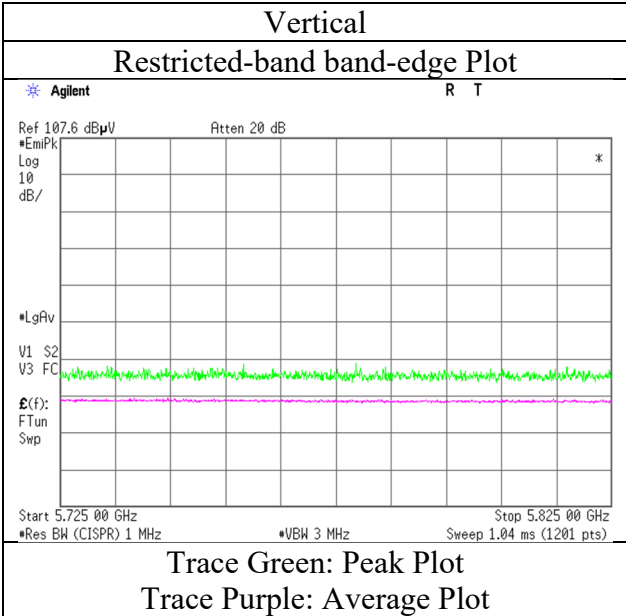
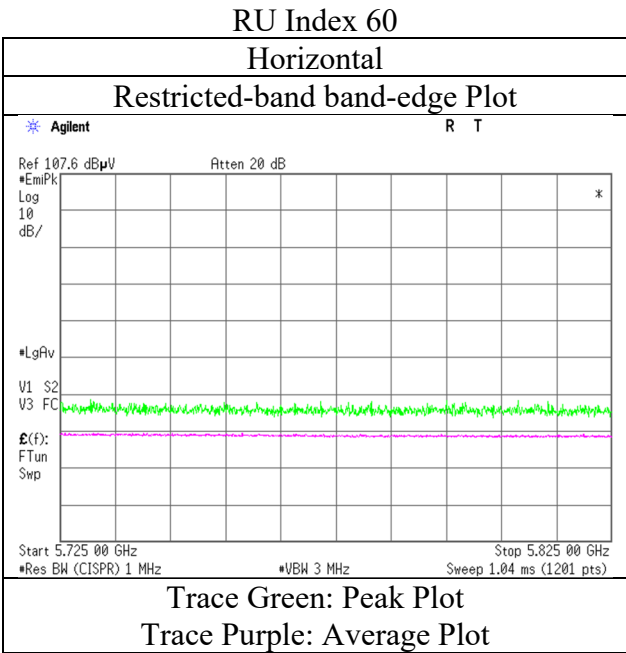
February 1, 2022

20 deg. C / 36 % RH

Yuta Moriya

(1 GHz - 10 GHz)

Tx 11ax-80 5610 MHz (106-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (242-tone RU)

RU Index 64

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	44.6	-	32.1	6.3	31.7	-	51.3	-	68.2	-	16.9	-	
Vert.	5725.0	42.6	-	32.1	6.3	31.7	-	49.4	-	68.2	-	18.8	-	

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

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

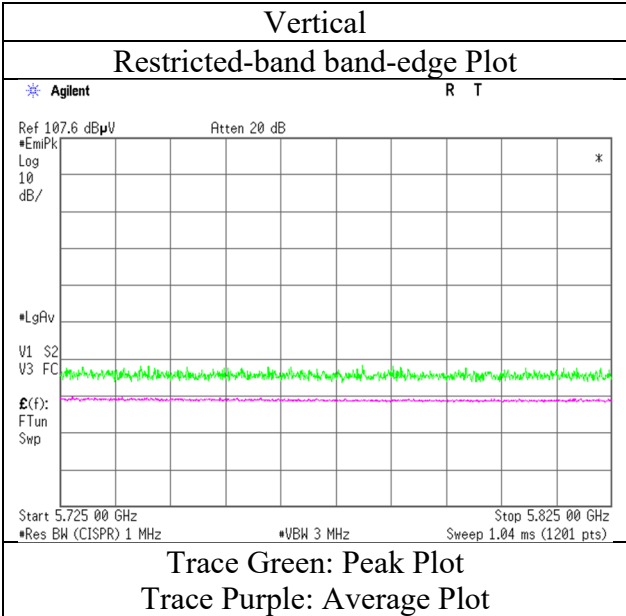
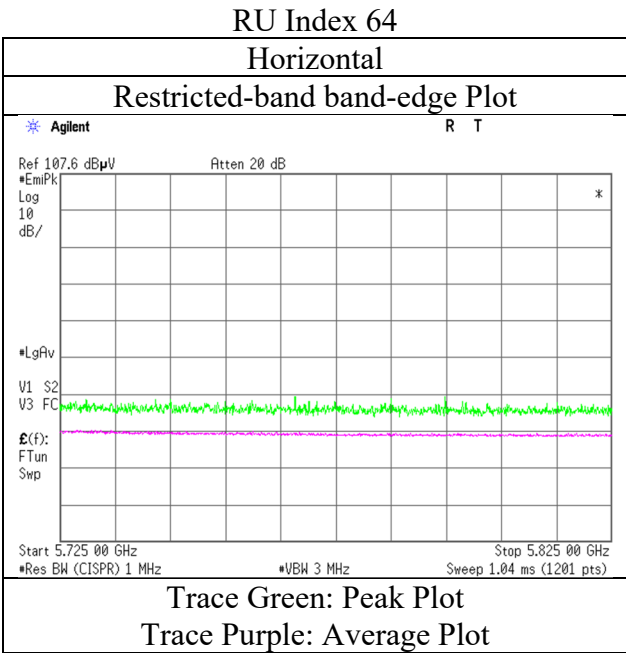
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (242-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (484-tone RU)

RU Index 66

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	44.5	-	32.1	6.3	31.7	-	51.3	-	68.2	-	16.9	-	
Vert.	5725.0	42.9	-	32.1	6.3	31.7	-	49.7	-	68.2	-	18.5	-	

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

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

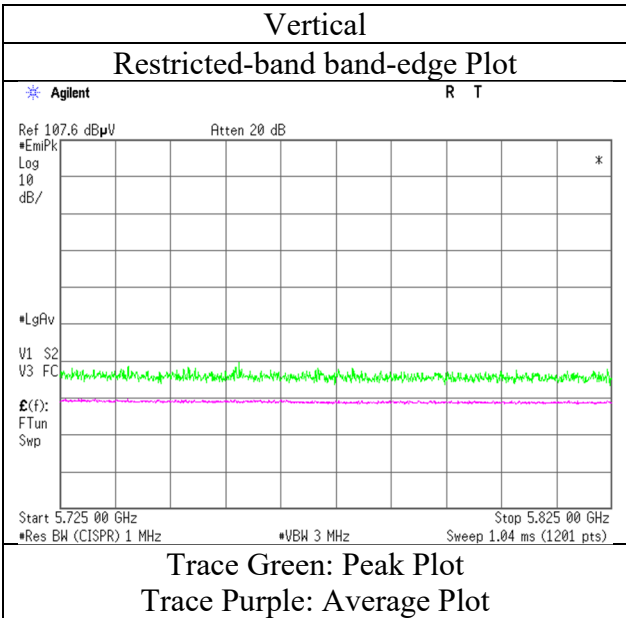
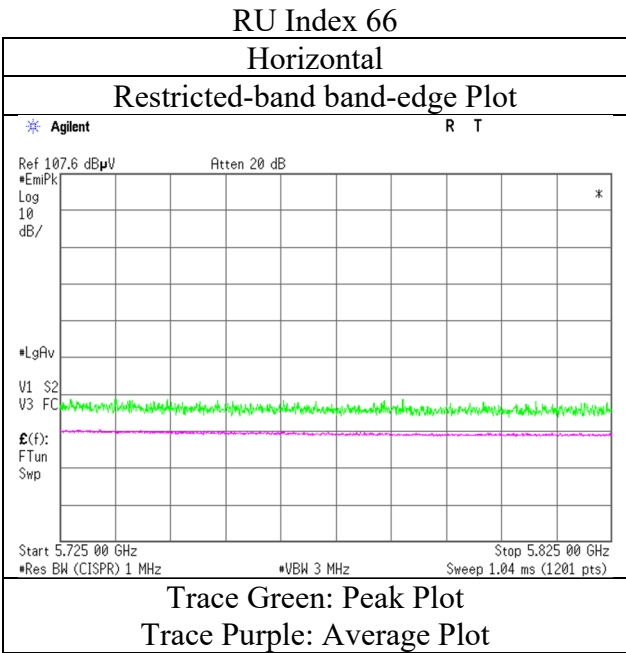
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (484-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 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.	5725.0	44.5	-	32.1	6.3	31.7	-	51.3	-	68.2	-	16.9	-	
Vert.	5725.0	43.5	-	32.1	6.3	31.7	-	50.3	-	68.2	-	17.9	-	

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

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

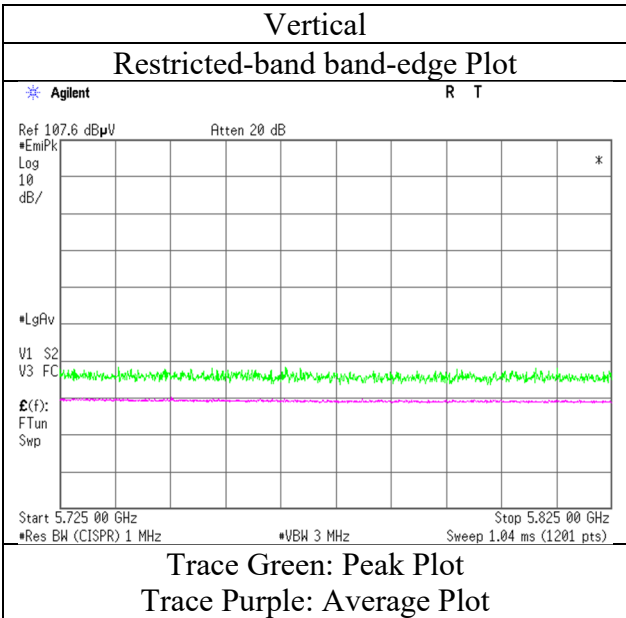
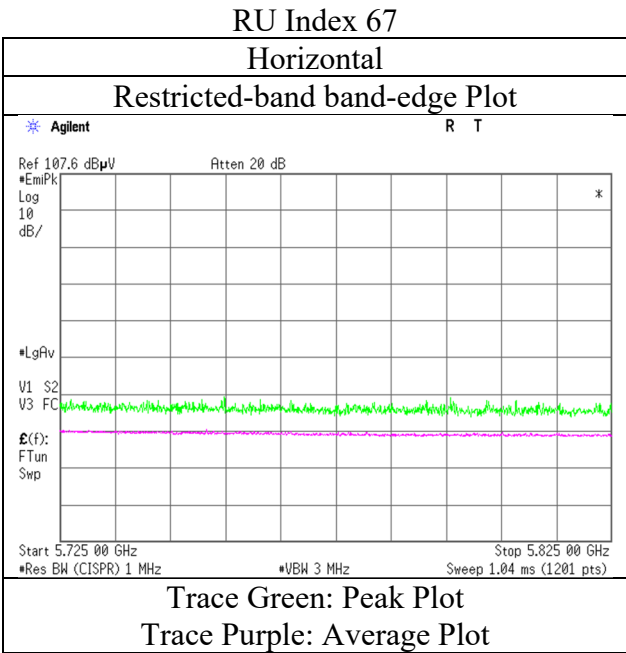
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5610 MHz (996-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5775 MHz (26-tone RU)

RU Index 0

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	41.2	-	31.9	6.3	31.7	-	47.8	-	68.2	-	20.4	-	
Hori.	5700.0	41.6	-	32.1	6.3	31.7	-	48.2	-	105.2	-	57.0	-	
Hori.	5720.0	44.5	-	32.1	6.3	31.7	-	51.2	-	110.8	-	59.6	-	
Hori.	5725.0	45.0	-	32.1	6.3	31.7	-	51.8	-	122.2	-	70.4	-	
Vert.	5650.0	41.6	-	31.9	6.3	31.7	-	48.2	-	68.2	-	20.0	-	
Vert.	5700.0	42.1	-	32.1	6.3	31.7	-	48.7	-	105.2	-	56.5	-	
Vert.	5720.0	42.2	-	32.1	6.3	31.7	-	48.9	-	110.8	-	61.9	-	
Vert.	5725.0	42.3	-	32.1	6.3	31.7	-	49.0	-	122.2	-	73.2	-	

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

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

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

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

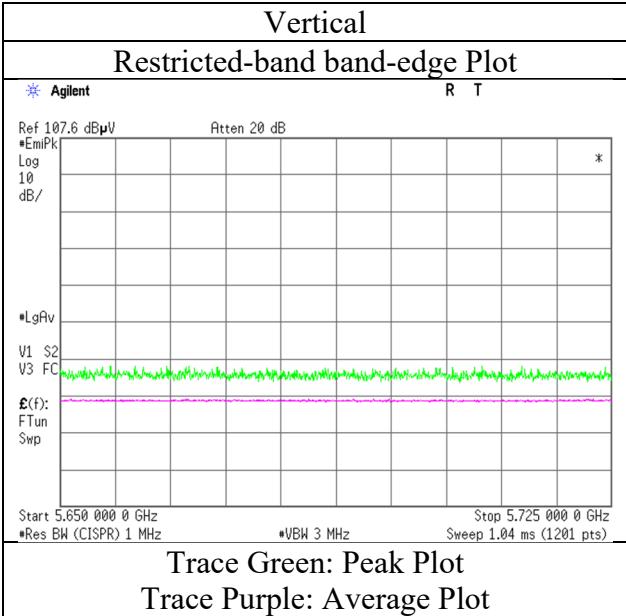
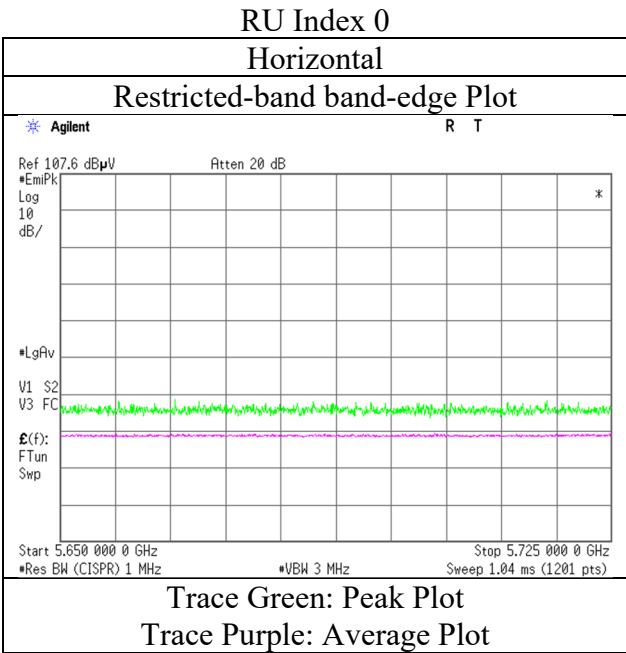
February 1, 2022

20 deg. C / 36 % RH

Yuta Moriya

(1 GHz - 10 GHz)

Tx 11ax-80 5775 MHz (26-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (52-tone RU)

RU Index 37

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	42.5	-	31.9	6.3	31.7	-	49.1	-	68.2	-	19.1	-	
Hori.	5700.0	43.9	-	32.1	6.3	31.7	-	50.5	-	105.2	-	54.7	-	
Hori.	5720.0	46.3	-	32.1	6.3	31.7	-	53.0	-	110.8	-	57.8	-	
Hori.	5725.0	46.9	-	32.1	6.3	31.7	-	53.7	-	122.2	-	68.5	-	
Vert.	5650.0	41.9	-	31.9	6.3	31.7	-	48.5	-	68.2	-	19.7	-	
Vert.	5700.0	42.8	-	32.1	6.3	31.7	-	49.5	-	105.2	-	55.8	-	
Vert.	5720.0	43.1	-	32.1	6.3	31.7	-	49.8	-	110.8	-	61.0	-	
Vert.	5725.0	44.3	-	32.1	6.3	31.7	-	51.0	-	122.2	-	71.2	-	

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

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

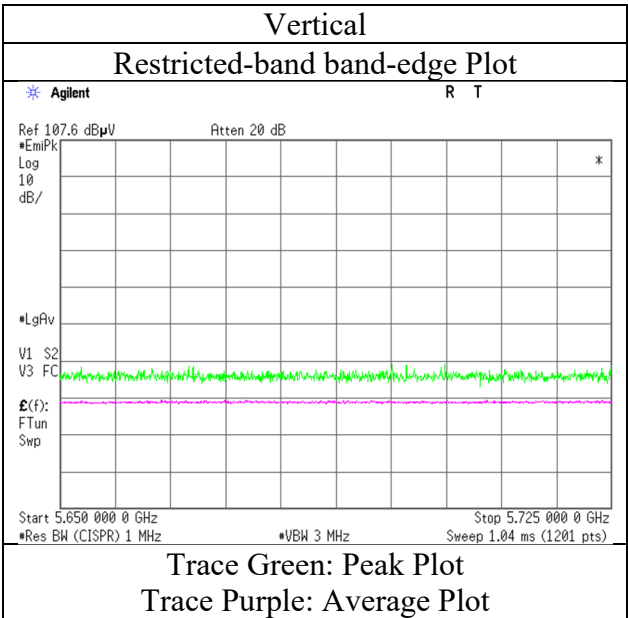
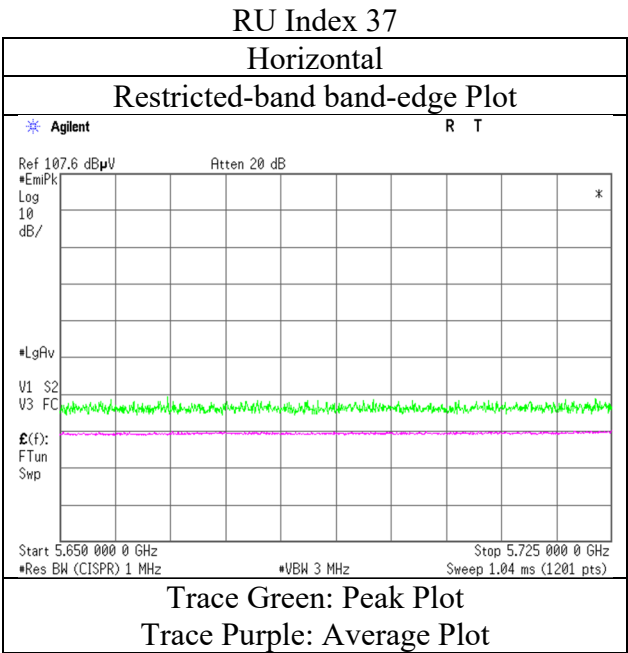
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (52-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (106-tone RU)

RU Index 53

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	43.8	-	31.9	6.3	31.7	-	50.4	-	68.2	-	17.8	-	
Hori.	5700.0	44.1	-	32.1	6.3	31.7	-	50.8	-	105.2	-	54.4	-	
Hori.	5720.0	47.4	-	32.1	6.3	31.7	-	54.2	-	110.8	-	56.6	-	
Hori.	5725.0	47.5	-	32.1	6.3	31.7	-	54.2	-	122.2	-	68.0	-	
Vert.	5650.0	42.1	-	31.9	6.3	31.7	-	48.7	-	68.2	-	19.5	-	
Vert.	5700.0	43.2	-	32.1	6.3	31.7	-	49.9	-	105.2	-	55.3	-	
Vert.	5720.0	44.1	-	32.1	6.3	31.7	-	50.8	-	110.8	-	60.0	-	
Vert.	5725.0	44.1	-	32.1	6.3	31.7	-	50.9	-	122.2	-	71.3	-	

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

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

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

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

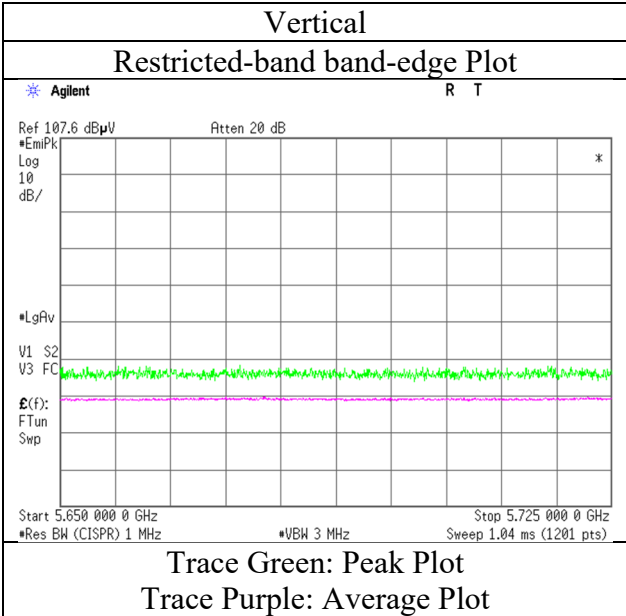
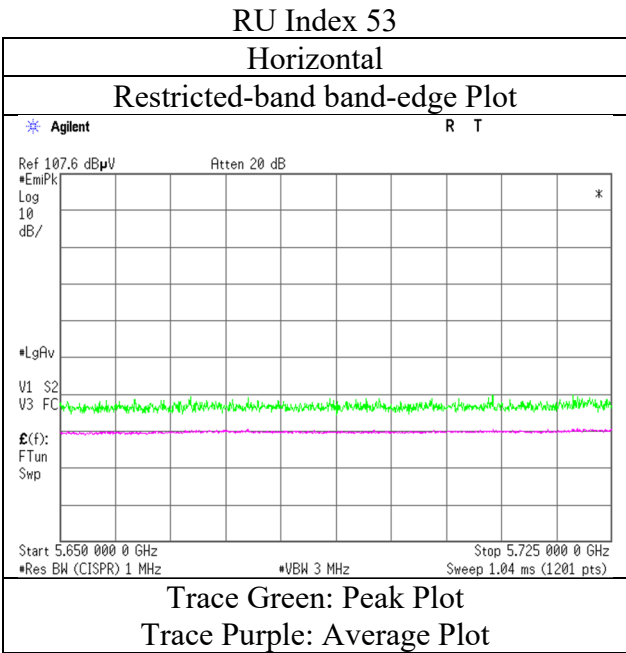
February 1, 2022

20 deg. C / 36 % RH

Yuta Moriya

(1 GHz - 10 GHz)

Tx 11ax-80 5775 MHz (106-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (242-tone RU)

RU Index 61

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	45.4	-	31.9	6.3	31.7	-	52.0	-	68.2	-	16.2	-	
Hori.	5700.0	48.2	-	32.1	6.3	31.7	-	54.9	-	105.2	-	50.3	-	
Hori.	5720.0	52.6	-	32.1	6.3	31.7	-	59.4	-	110.8	-	51.4	-	
Hori.	5725.0	55.9	-	32.1	6.3	31.7	-	62.7	-	122.2	-	59.5	-	
Vert.	5650.0	43.5	-	31.9	6.3	31.7	-	50.1	-	68.2	-	18.1	-	
Vert.	5700.0	45.1	-	32.1	6.3	31.7	-	51.8	-	105.2	-	53.4	-	
Vert.	5720.0	49.6	-	32.1	6.3	31.7	-	56.4	-	110.8	-	54.4	-	
Vert.	5725.0	51.8	-	32.1	6.3	31.7	-	58.6	-	122.2	-	63.6	-	

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

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

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

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place

Semi Anechoic Chamber

Date

Temperature / Humidity

Engineer

Mode

Ise EMC Lab.

No.3

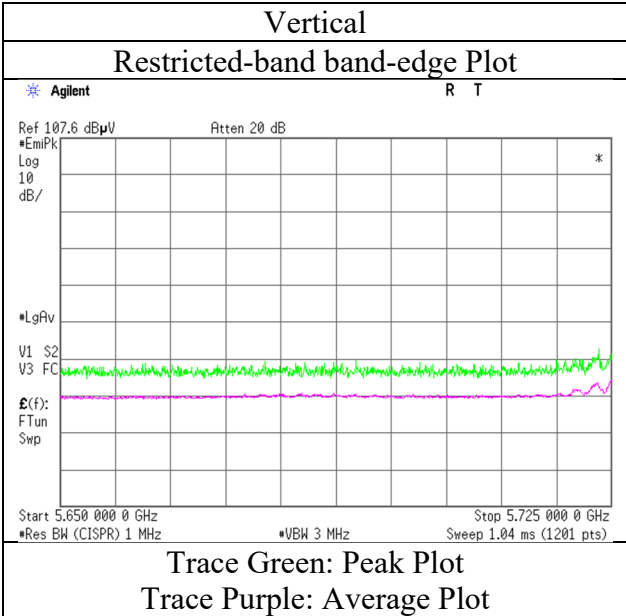
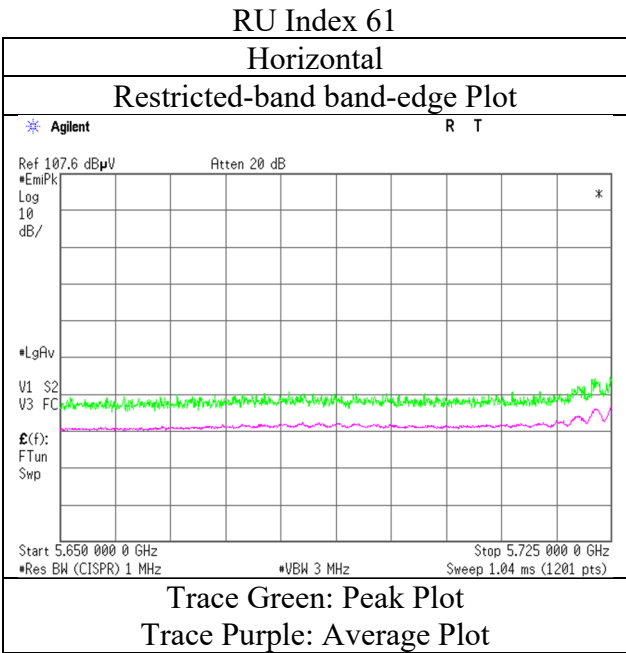
February 1, 2022

20 deg. C / 36 % RH

Yuta Moriya

(1 GHz - 10 GHz)

Tx 11ax-80 5775 MHz (242-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)

RU Index 65

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	46.5	-	31.9	6.3	31.7	-	53.1	-	68.2	-	15.1	-	
Hori.	5700.0	50.0	-	32.1	6.3	31.7	-	56.7	-	105.2	-	48.5	-	
Hori.	5720.0	56.7	-	32.1	6.3	31.7	-	63.5	-	110.8	-	47.3	-	
Hori.	5725.0	56.8	-	32.1	6.3	31.7	-	63.5	-	122.2	-	58.7	-	
Vert.	5650.0	43.5	-	31.9	6.3	31.7	-	50.1	-	68.2	-	18.1	-	
Vert.	5700.0	46.4	-	32.1	6.3	31.7	-	53.1	-	105.2	-	52.1	-	
Vert.	5720.0	52.8	-	32.1	6.3	31.7	-	59.6	-	110.8	-	51.2	-	
Vert.	5725.0	53.0	-	32.1	6.3	31.7	-	59.8	-	122.2	-	62.4	-	

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).

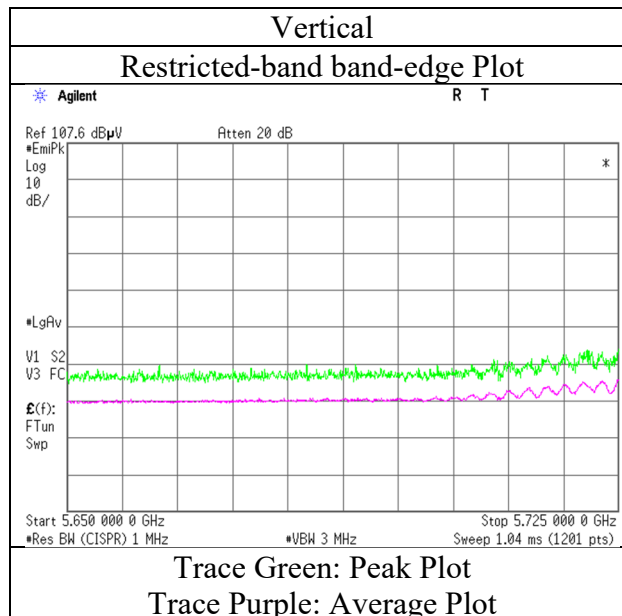
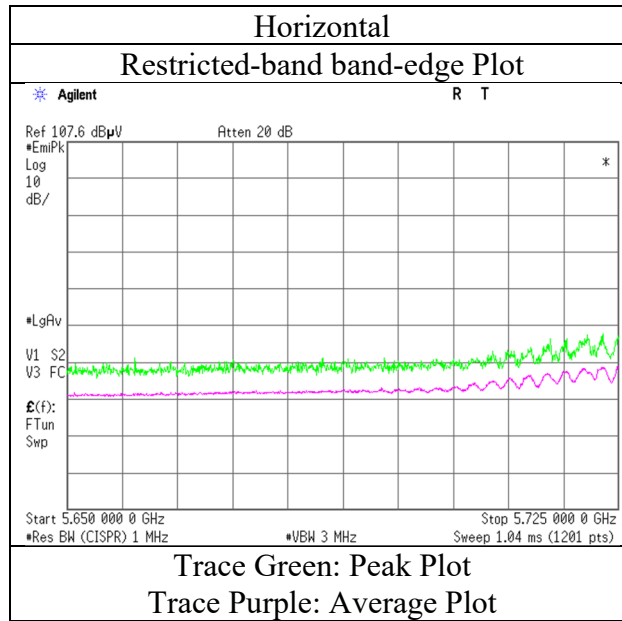
*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)

RU Index 65



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5775 MHz (26-tone RU)

RU Index 36

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	42.3	-	32.5	6.4	31.7	-	49.4	-	122.2	-	72.8	-	
Hori.	5855.0	42.0	-	32.5	6.4	31.7	-	49.1	-	110.8	-	61.7	-	
Hori.	5875.0	41.6	-	32.5	6.4	31.7	-	48.8	-	105.2	-	56.4	-	
Hori.	5925.0	41.3	-	32.5	6.4	31.7	-	48.5	-	68.2	-	19.7	-	
Vert.	5850.0	41.4	-	32.5	6.4	31.7	-	48.5	-	122.2	-	73.7	-	
Vert.	5855.0	41.1	-	32.5	6.4	31.7	-	48.3	-	110.8	-	62.5	-	
Vert.	5875.0	41.0	-	32.5	6.4	31.7	-	48.2	-	105.2	-	57.0	-	
Vert.	5925.0	40.9	-	32.5	6.4	31.7	-	48.1	-	68.2	-	20.1	-	

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

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

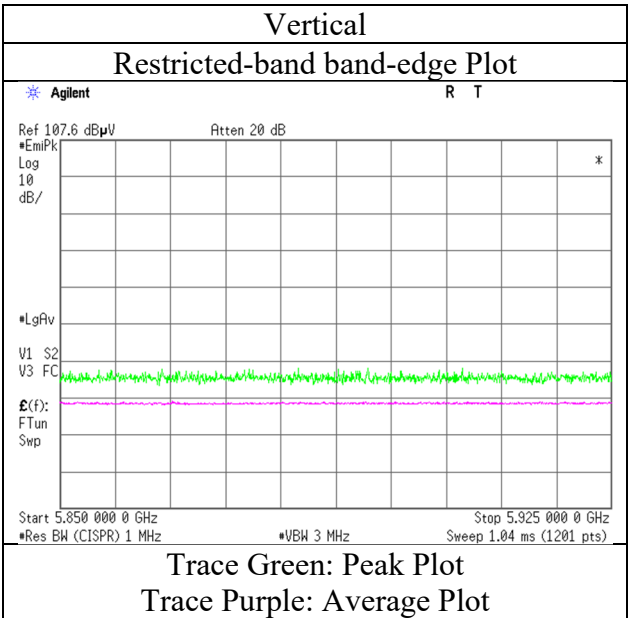
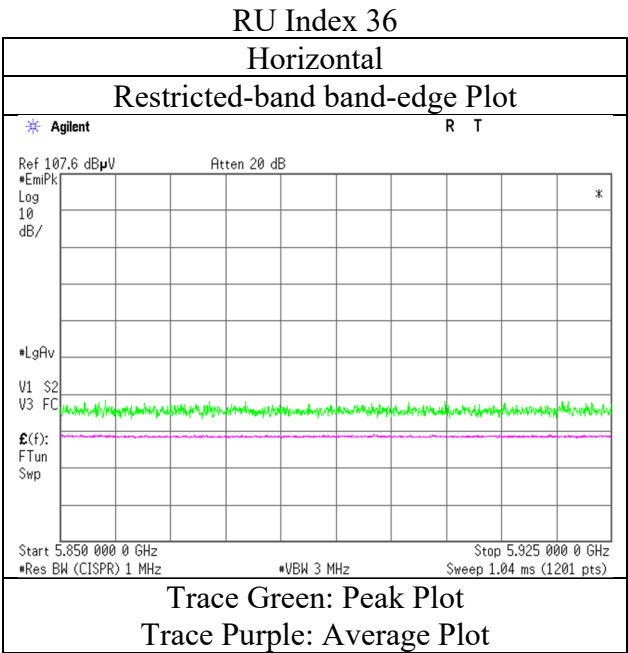
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (26-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5775 MHz (52-tone RU)

RU Index 52

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	43.6	-	32.5	6.4	31.7	-	50.8	-	122.2	-	71.5	-	
Hori.	5855.0	42.9	-	32.5	6.4	31.7	-	50.0	-	110.8	-	60.8	-	
Hori.	5875.0	42.5	-	32.5	6.4	31.7	-	49.7	-	105.2	-	55.5	-	
Hori.	5925.0	42.5	-	32.5	6.4	31.7	-	49.7	-	68.2	-	18.5	-	
Vert.	5850.0	42.9	-	32.5	6.4	31.7	-	50.0	-	122.2	-	72.2	-	
Vert.	5855.0	42.5	-	32.5	6.4	31.7	-	49.7	-	110.8	-	61.1	-	
Vert.	5875.0	41.8	-	32.5	6.4	31.7	-	49.0	-	105.2	-	56.2	-	
Vert.	5925.0	41.7	-	32.5	6.4	31.7	-	48.9	-	68.2	-	19.3	-	

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

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

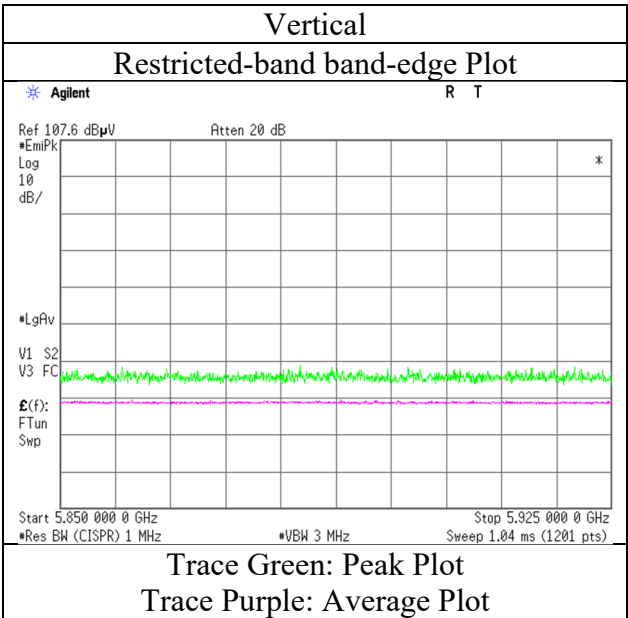
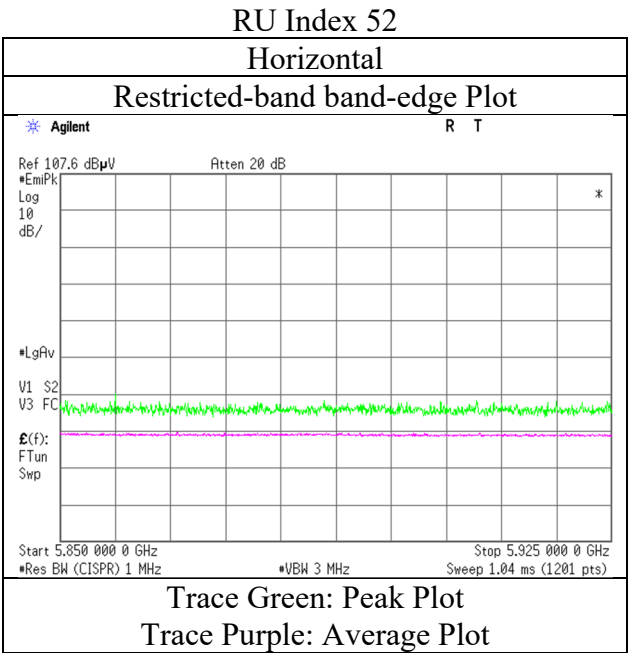
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (52-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5775 MHz (106-tone RU)

RU Index 60

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	44.8	-	32.5	6.4	31.7	-	51.9	-	122.2	-	70.3	-	
Hori.	5855.0	44.5	-	32.5	6.4	31.7	-	51.6	-	110.8	-	59.2	-	
Hori.	5875.0	44.7	-	32.5	6.4	31.7	-	51.8	-	105.2	-	53.4	-	
Hori.	5925.0	43.0	-	32.5	6.4	31.7	-	50.2	-	68.2	-	18.1	-	
Vert.	5850.0	44.5	-	32.5	6.4	31.7	-	51.6	-	122.2	-	70.6	-	
Vert.	5855.0	44.0	-	32.5	6.4	31.7	-	51.2	-	110.8	-	59.6	-	
Vert.	5875.0	43.5	-	32.5	6.4	31.7	-	50.6	-	105.2	-	54.6	-	
Vert.	5925.0	42.5	-	32.5	6.4	31.7	-	49.7	-	68.2	-	18.5	-	

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

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

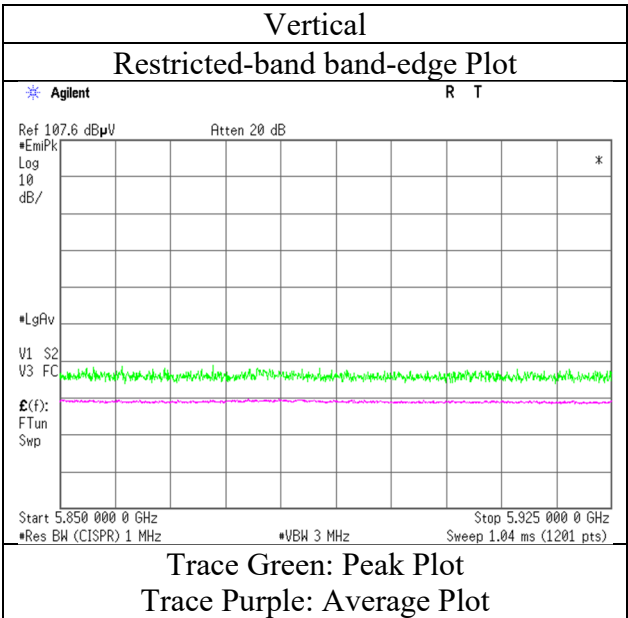
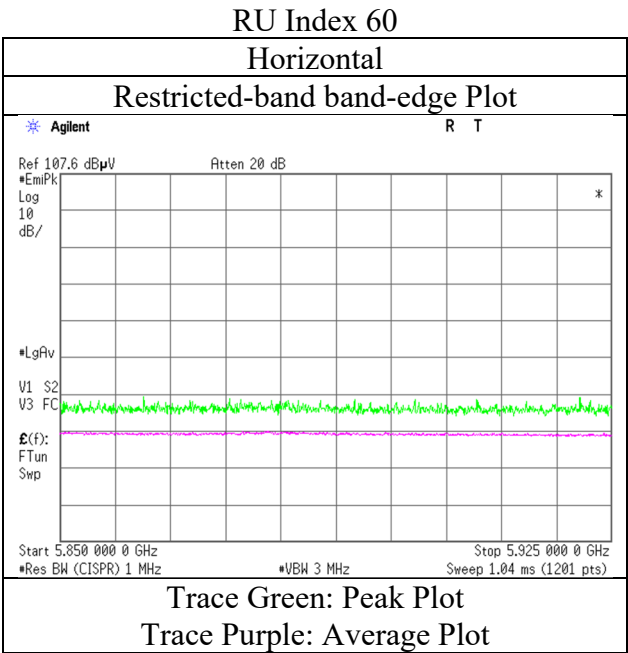
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (106-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (1 GHz - 10 GHz)
Mode Tx 11ax-80 5775 MHz (242-tone RU)

RU Index 64

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	47.0	-	32.5	6.4	31.7	-	54.1	-	122.2	-	68.1	-	
Hori.	5855.0	47.0	-	32.5	6.4	31.7	-	54.1	-	110.8	-	56.7	-	
Hori.	5875.0	46.5	-	32.5	6.4	31.7	-	53.7	-	105.2	-	51.5	-	
Hori.	5925.0	43.9	-	32.5	6.4	31.7	-	51.1	-	68.2	-	17.1	-	
Vert.	5850.0	46.5	-	32.5	6.4	31.7	-	53.6	-	122.2	-	68.6	-	
Vert.	5855.0	46.1	-	32.5	6.4	31.7	-	53.3	-	110.8	-	57.5	-	
Vert.	5875.0	45.7	-	32.5	6.4	31.7	-	52.9	-	105.2	-	52.4	-	
Vert.	5925.0	43.1	-	32.5	6.4	31.7	-	50.2	-	68.2	-	18.0	-	

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

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

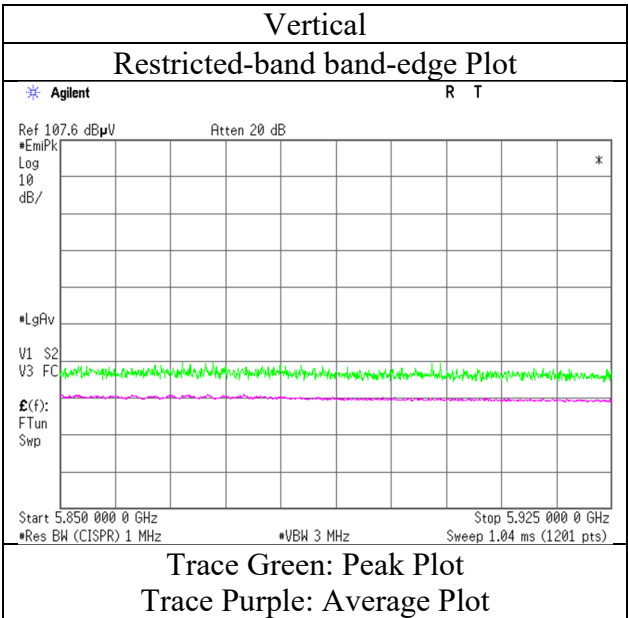
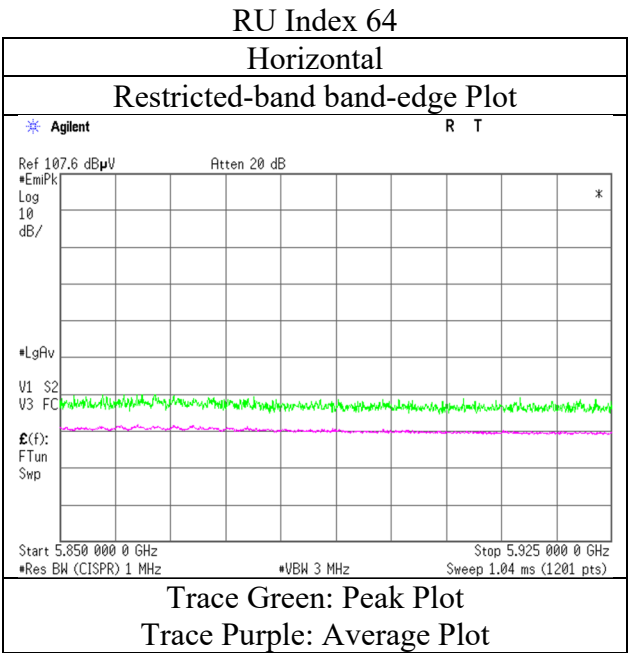
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (242-tone RU)



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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)

RU Index 66

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	48.9	-	32.5	6.4	31.7	-	56.0	-	122.2	-	66.2	-	
Hori.	5855.0	48.8	-	32.5	6.4	31.7	-	55.9	-	110.8	-	54.9	-	
Hori.	5875.0	45.7	-	32.5	6.4	31.7	-	52.9	-	105.2	-	52.3	-	
Hori.	5925.0	43.8	-	32.5	6.4	31.7	-	51.0	-	68.2	-	17.2	-	
Vert.	5850.0	47.4	-	32.5	6.4	31.7	-	54.5	-	122.2	-	67.7	-	
Vert.	5855.0	46.2	-	32.5	6.4	31.7	-	53.4	-	110.8	-	57.4	-	
Vert.	5875.0	45.0	-	32.5	6.4	31.7	-	52.2	-	105.2	-	53.0	-	
Vert.	5925.0	43.0	-	32.5	6.4	31.7	-	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

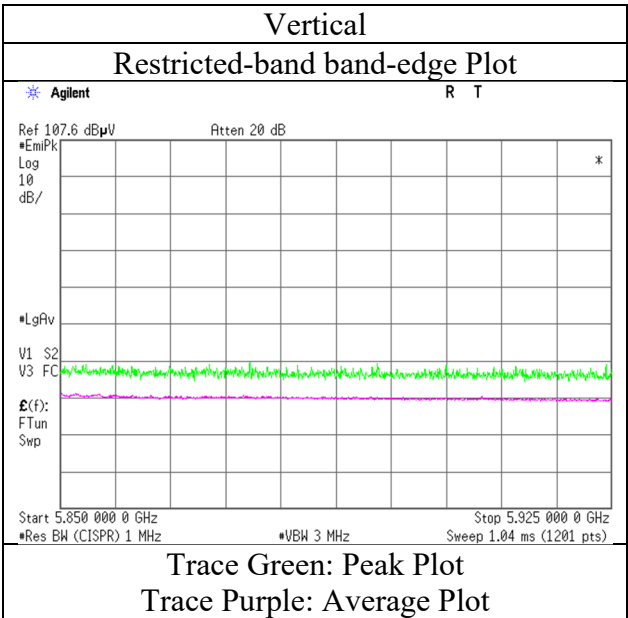
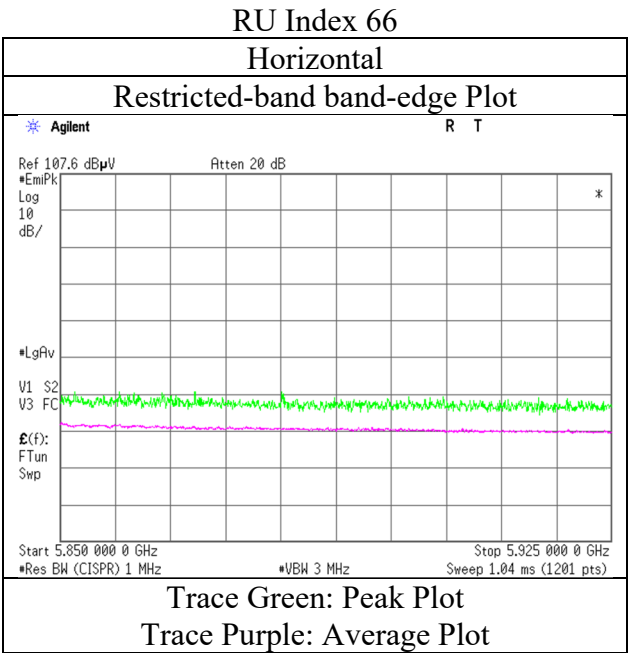
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (484-tone RU)



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

Radiated Spurious Emission

Test place Ise EMC Lab.
Semi Anechoic Chamber No.3
Date February 1, 2022
Temperature / Humidity 20 deg. C / 36 % RH
Engineer Yuta Moriya
 (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	46.0	-	31.9	6.3	31.7	-	52.6	-	68.2	-	15.6	-	
Hori.	5700.0	52.4	-	32.1	6.3	31.7	-	59.1	-	105.2	-	46.1	-	
Hori.	5720.0	55.0	-	32.1	6.3	31.7	-	61.8	-	110.8	-	49.1	-	
Hori.	5725.0	55.6	-	32.1	6.3	31.7	-	62.4	-	122.2	-	59.8	-	
Hori.	5850.0	49.6	-	32.5	6.4	31.7	-	56.7	-	122.2	-	65.5	-	
Hori.	5855.0	49.4	-	32.5	6.4	31.7	-	56.5	-	110.8	-	54.3	-	
Hori.	5875.0	46.4	-	32.5	6.4	31.7	-	53.6	-	105.2	-	51.6	-	
Hori.	5925.0	44.2	-	32.5	6.4	31.7	-	51.4	-	68.2	-	16.8	-	
Vert.	5650.0	44.2	-	31.9	6.3	31.7	-	50.7	-	68.2	-	17.5	-	
Vert.	5700.0	51.1	-	32.1	6.3	31.7	-	57.8	-	105.2	-	47.4	-	
Vert.	5720.0	51.9	-	32.1	6.3	31.7	-	58.7	-	110.8	-	52.1	-	
Vert.	5725.0	52.8	-	32.1	6.3	31.7	-	59.6	-	122.2	-	62.6	-	
Vert.	5850.0	47.8	-	32.5	6.4	31.7	-	54.9	-	122.2	-	67.3	-	
Vert.	5855.0	46.9	-	32.5	6.4	31.7	-	54.1	-	110.8	-	56.7	-	
Vert.	5875.0	45.1	-	32.5	6.4	31.7	-	52.3	-	105.2	-	53.0	-	
Vert.	5925.0	42.9	-	32.5	6.4	31.7	-	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).

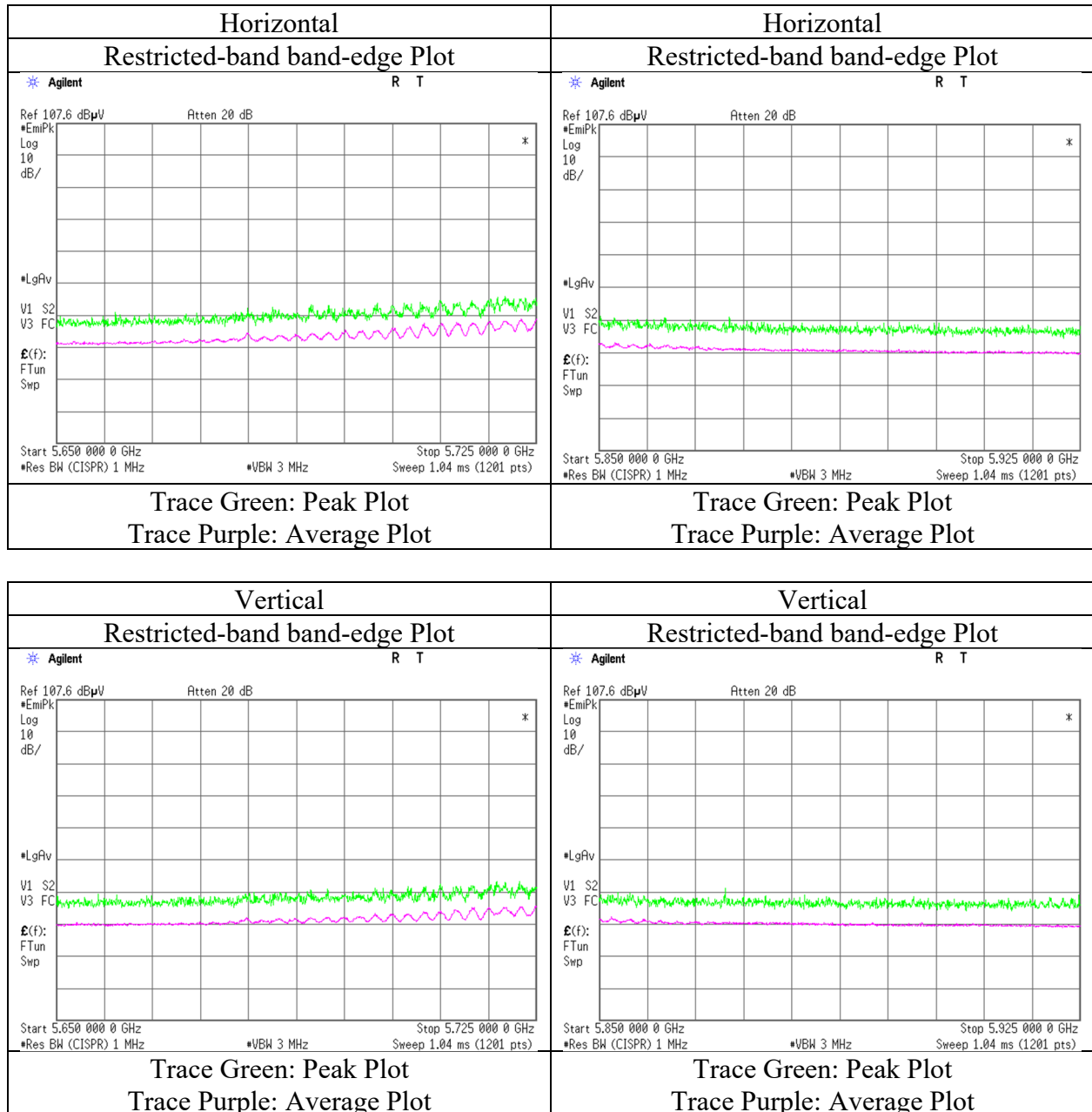
*QP detector was used up to 1GHz.

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 1, 2022
Temperature / Humidity	20 deg. C / 36 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5775 MHz (996-tone RU)

RU Index 67



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

Radiated Spurious Emission

Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.3	No.3	No.3
Date	February 7, 2022	February 8, 2022	February 10, 2022
Temperature / Humidity	19 deg. C / 30 % RH	20 deg. C / 32 % RH	18 deg. C / 37 % RH
Engineer	Yuichiro Yamazaki (1 GHz - 10 GHz)	Yuichiro Yamazaki (Above 10 GHz)	Yuichiro Yamazaki (Below 1 GHz)
Mode	Tx 11ax-80 5290 MHz + 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.	75.0	40.5	-	6.5	7.8	32.3	-	22.5	-	40.0	-	17.5	-	
Hori.	337.9	34.8	-	15.2	10.3	32.1	-	28.2	-	46.0	-	17.8	-	
Hori.	375.2	41.2	-	15.3	10.6	32.1	-	34.9	-	46.0	-	11.1	-	
Hori.	617.2	36.0	-	19.5	12.1	32.1	-	35.5	-	46.0	-	10.5	-	
Hori.	805.1	32.9	-	21.0	13.1	31.5	-	35.5	-	46.0	-	10.6	-	
Hori.	959.5	31.7	-	22.2	13.9	30.7	-	37.1	-	46.0	-	8.9	-	
Hori.	5350.0	51.9	42.7	31.7	6.2	31.6	0.1	58.1	49.0	73.9	53.9	15.8	4.9	*1)
Hori.	10580.0	41.8	-	39.8	-2.3	33.3	-	46.0	-	68.2	-	22.2	-	Floor noise
Hori.	15870.0	43.1	35.2	37.5	0.4	32.2	-	48.7	40.8	73.9	53.9	25.3	13.2	Floor noise
Vert.	75.0	51.7	-	6.5	7.8	32.3	-	33.7	-	40.0	-	6.3	-	
Vert.	179.2	33.1	-	16.1	9.0	32.2	-	25.9	-	43.5	-	17.6	-	
Vert.	375.2	35.8	-	15.3	10.6	32.1	-	29.5	-	46.0	-	16.5	-	
Vert.	620.1	39.4	-	19.5	12.1	32.1	-	38.9	-	46.0	-	7.1	-	
Vert.	806.2	36.8	-	21.0	13.1	31.5	-	39.4	-	46.0	-	6.6	-	
Vert.	959.1	30.0	-	22.2	13.9	30.7	-	35.4	-	46.0	-	10.6	-	
Vert.	5350.0	49.5	39.2	31.7	6.2	31.6	0.1	55.7	45.6	73.9	53.9	18.2	8.3	*1)
Vert.	10580.0	42.0	-	39.8	-2.3	33.3	-	46.2	-	68.2	-	22.0	-	Floor noise
Vert.	15870.0	43.5	35.5	37.5	0.4	32.2	-	49.1	41.1	73.9	53.9	24.8	12.8	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).

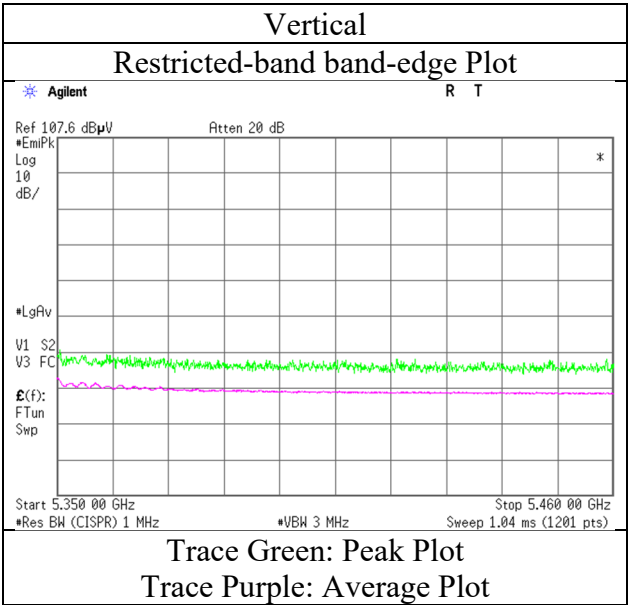
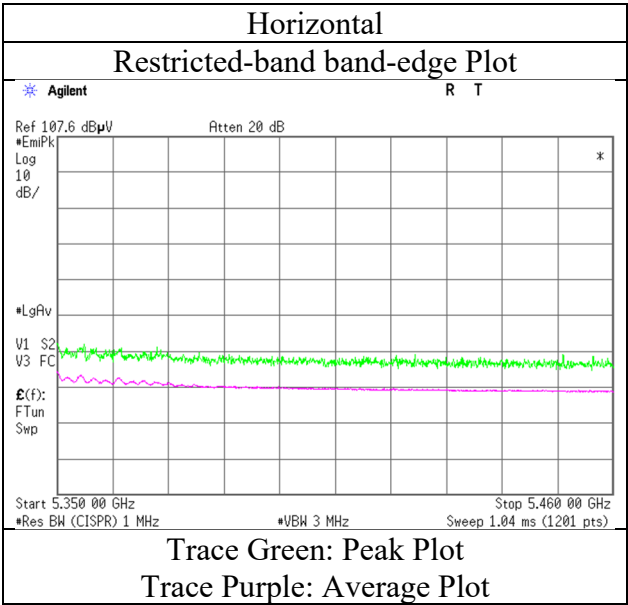
*QP detector was used up to 1GHz.

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

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

Radiated Spurious Emission

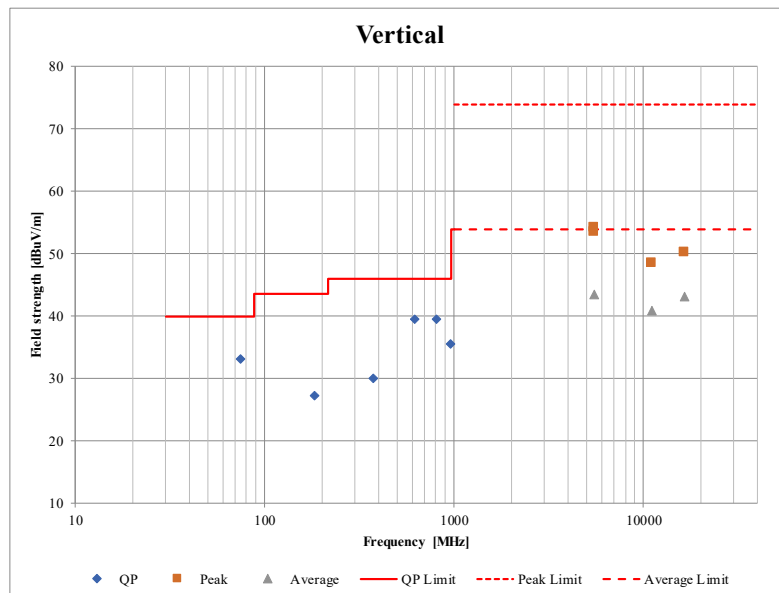
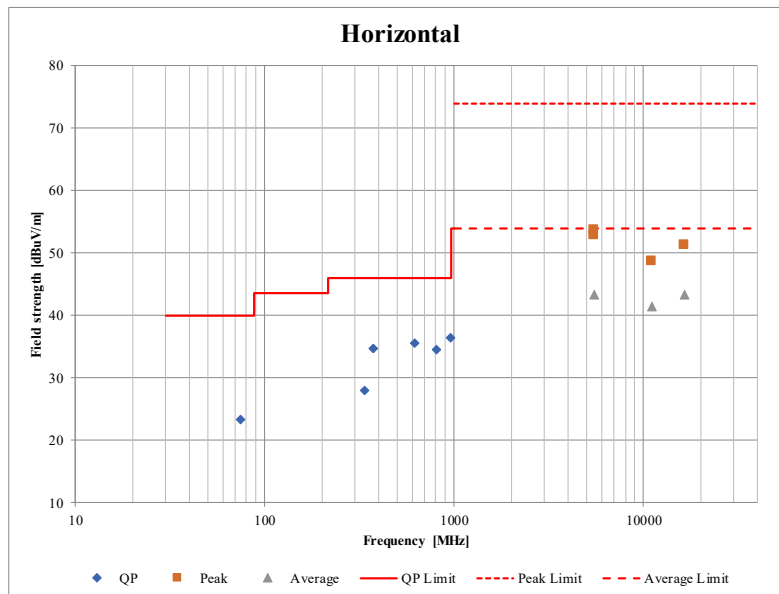
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.3
Date	February 7, 2022
Temperature / Humidity	19 deg. C / 30 % RH
Engineer	Yuichiro Yamazaki
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz + BT1 3DH5 Hopping



* 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)

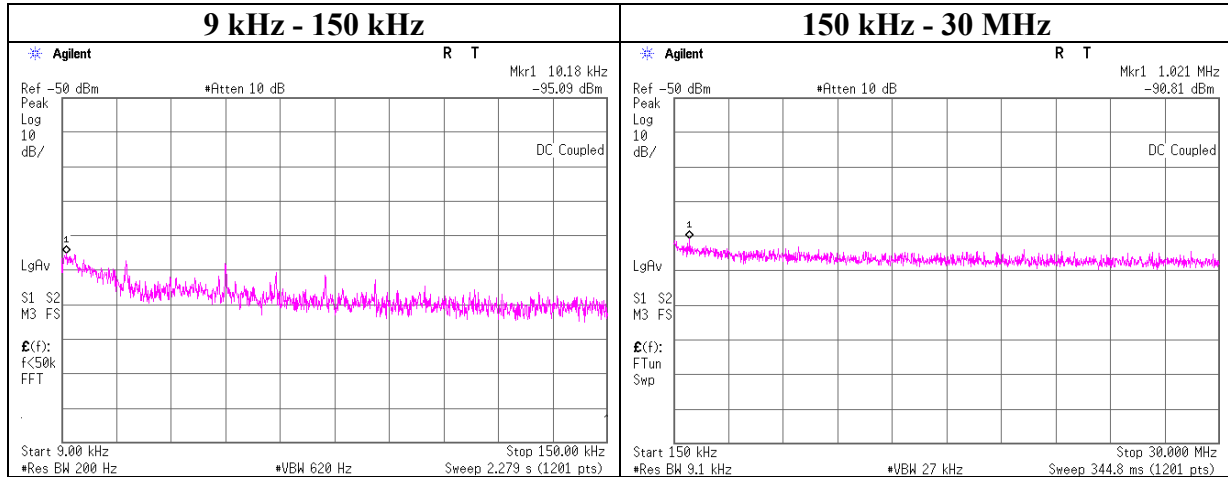
Test place	Ise EMC Lab.				
Semi Anechoic Chamber	No.3	No.3	No.3	No.3	No.3
Date	January 27, 2022	February 2, 2022	February 3, 2022	February 4, 2022	February 10, 2022
Temperature / Humidity	22 deg. C / 36 % RH	21 deg. C / 35 % RH	21 deg. C / 35 % RH	21 deg. C / 36 % RH	18 deg. C / 37 % RH
Engineer	Nachi Konegawa	Hiroki Numata	Yuta Moriya	Hiroki Numata	Yuichiro Yamazaki
Mode	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)	(Below 1 GHz)
	Tx 11ax-20 5500 MHz (OFDM)				



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

Conducted Spurious Emission

Test place Ise EMC Lab. No.8 Measurement Room
Date February 10, 2022
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Ken Fujita
Mode Tx 11ax-20 (OFDM) 5500 MHz Antenna 3



Frequency [kHz]	Reading [dBm]	Cable Loss [dB]	Attenuator [dB]	Antenna Gain [dBi]	N (Number of Output)	EIRP [dBm]	Distance [m]	Ground bounce [dB]	E (field strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
10.18	-95.1	0.80	9.7	8.7	2	-72.8	300	6.0	-11.6	47.4	59.0	
1021.00	-90.8	0.80	9.8	8.7	2	-68.5	30	6.0	12.8	27.4	14.6	

$$E \text{ [dBuV/m]} = \text{EIRP [dBm]} - 20 \log (\text{Distance [m]}) + \text{Ground bounce [dB]} + 104.8 \text{ [dBuV/m]}$$

$$\text{EIRP [dBm]} = \text{Reading [dBm]} + \text{Cable loss [dB]} + \text{Attenuator Loss [dB]} + \text{Antenna gain [dBi]} + 10 * \log (N)$$

N: Number of output

APPENDIX 2: Test Instruments

Test Equipment (1/2)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
CE	MAEC-03	142008	AC3_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	05/22/2020	24
CE	MOS-13	141554	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	1301	01/10/2022	12
CE	MMM-08	141532	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	51201197	01/16/2022	12
CE	MJM-16	142183	Measure	KOMELON	KMC-36	-	-	-
CE	COTS-MEMI-02	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
CE	MLS-24	141358	LISN(AMN)	Schwarzbeck Mess-Elektronik OHG	NSLK8127	8127-730	07/18/2021	12
CE	MTR-03	141942	Test Receiver	Rohde & Schwarz	ESCI	100300	08/05/2021	12
CE	MAT-67	141248	Attenuator	JFW Industries, Inc.	50FP-013H2 N	-	12/17/2021	12
CE	MCC-112	141216	Coaxial cable	Fujikura/Suhner/TSJ	5D-2W/SFM14/sucoform141-PE/421-010/RFM-E321(SW)	-/00640	07/19/2021	12
CE	MSA-16	141903	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46186390	01/07/2022	12
RE	MAEC-03	142008	AC3_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	05/22/2020	24
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	COTS-MEMI-02	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
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	MSA-03	141884	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY44020357	03/10/2021	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
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	MAT-95	142314	Attenuator	Pasternack Enterprises	PE7390-6	D/C 1504	06/09/2021	12
RE	MBA-08	141427	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103B+BBA 9106	08031	07/10/2021	12
RE	MCC-51	141323	Coaxial cable	UL Japan	-	-	07/19/2021	12
RE	MLA-22	141266	Logperiodic Antenna(200-1000MHz)	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	9111B-191	08/21/2021	12
RE	MPA-13	141582	Pre Amplifier	SONOMA INSTRUMENT	310	260834	02/18/2021	12
RE	MTR-03	141942	Test Receiver	Rohde & Schwarz	ESCI	100300	08/05/2021	12

Test Equipment (2/2)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	MOS-28	141567	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	0008	01/10/2022	12
AT	MMM-17	141557	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	70900530	01/16/2022	12
AT	MPM-18	141814	Power Meter	Raditec (Formerly DARE!! Instruments)	RPR3006W	14I00048SNO082	11/01/2021	12
AT	MPM-19	141815	Power Meter	Raditec (Formerly DARE!! Instruments)	RPR3006W	14I00048SNO083	11/01/2021	12
AT	MAT-90	141223	Attenuator	Weinschel Associates	WA56-10	56100306	05/14/2021	12
AT	MAT-91	141420	Attenuator	Weinschel Associates	WA56-10	56100307	05/14/2021	12
AT	COTS-MPM	141176	measurement software	Other	All	-	-	-
AT	MRENT-130	141855	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46187750	11/28/2021	12
AT	MAT-58	141334	Attenuator(10dB)	Suhner	6810.19.A	-	12/08/2021	12
AT	MPM-16	141812	Power Meter	Keysight Technologies Inc	8990B	MY51000271	08/11/2021	12
AT	MPSE-23	141835	Power sensor	Keysight Technologies Inc	N1923A	MY54070004	08/11/2021	12
AT	MAT-23	141361	Attenuator(10dB) 1-18GHz	Orient Microwave	BX10-0476-00	-	04/07/2021	12
AT	MAT-26	141244	Attenuator(10dB)	Weinschel - API Technologies Corp	WA8-10-34	A198	02/24/2021	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:

CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted