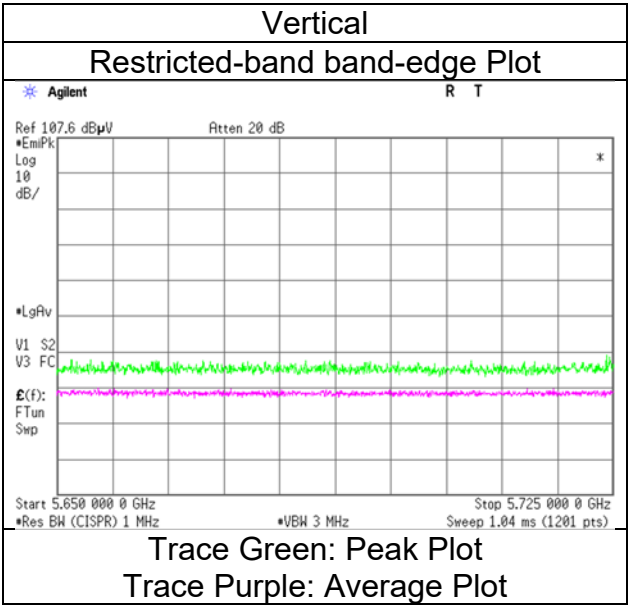
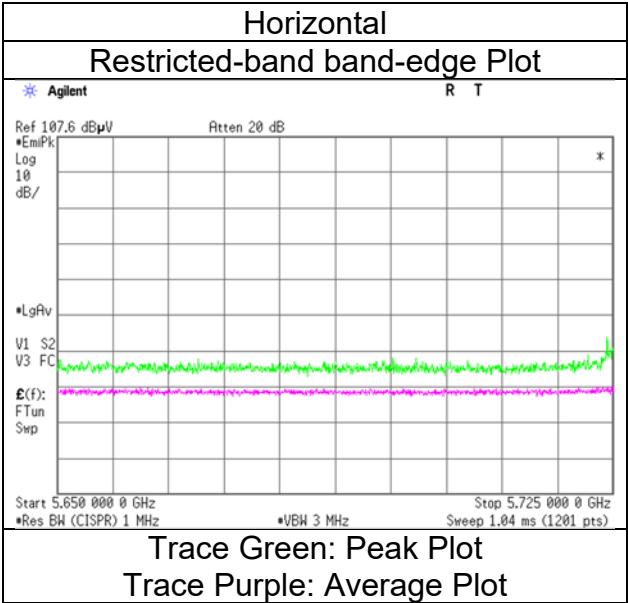


Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
September 5, 2024
24 deg. C / 65 % RH
Tomoya Sone
(1 GHz to 6 GHz)
Tx 11ax-80 [242-tone RU/Index 61] 5775 MHz



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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Ise EMC Lab.
No.4
September 5, 2024
24 deg. C / 65 % RH
Tomoya Sone
(1 GHz to 6 GHz)
Tx 11ax-80 [484-tone RU/Index 65] 5775 MHz

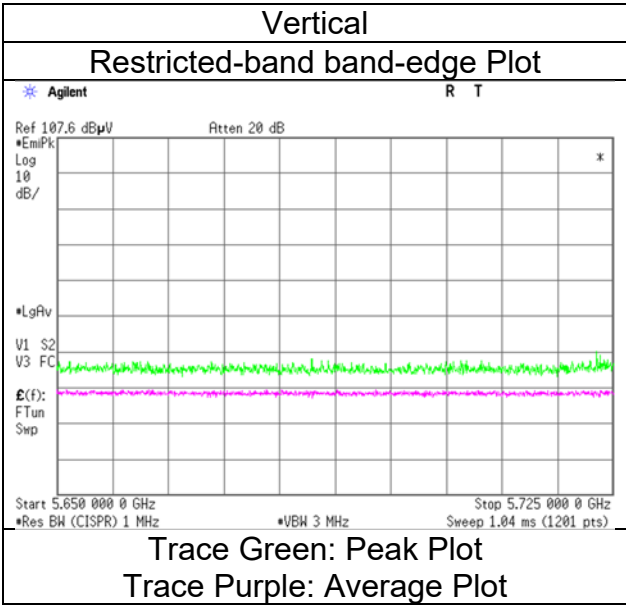
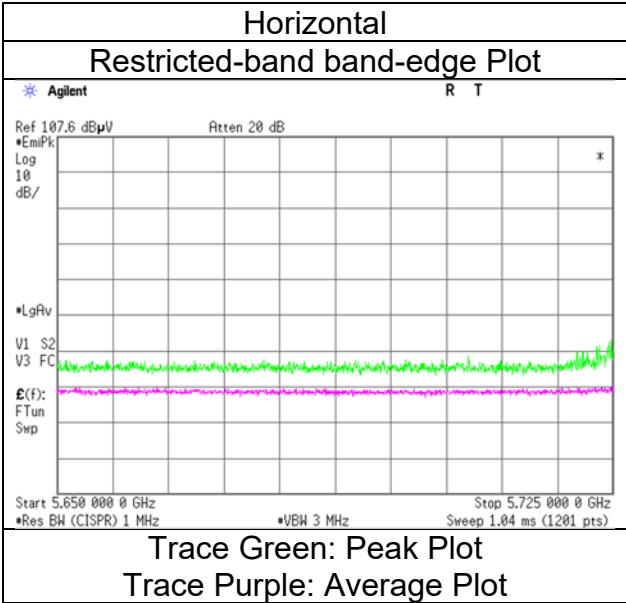
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	41.7	-	32.4	6.3	31.0	-	49.3	-	68.2	-	18.9	-	
Hori.	5700.0	43.5	-	32.5	6.3	31.0	-	51.2	-	105.2	-	54.0	-	
Hori.	5720.0	46.9	-	32.5	6.3	31.0	-	54.7	-	110.8	-	56.1	-	
Hori.	5725.0	51.8	-	32.5	6.3	31.0	-	59.6	-	122.2	-	62.6	-	
Vert.	5650.0	42.1	-	32.4	6.3	31.0	-	49.7	-	68.2	-	18.5	-	
Vert.	5700.0	41.9	-	32.5	6.3	31.0	-	49.7	-	105.2	-	55.6	-	
Vert.	5720.0	44.5	-	32.5	6.3	31.0	-	52.2	-	110.8	-	58.6	-	
Vert.	5725.0	48.6	-	32.5	6.3	31.0	-	56.4	-	122.2	-	65.8	-	

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 - 6 GHz 20log (3.8 m / 3.0 m) = 2.06 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone
	(1 GHz to 6 GHz)
Mode	Tx 11ax-80 [484-tone RU/Index 65] 5775 MHz



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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Ise EMC Lab.
No.4
September 5, 2024
24 deg. C / 65 % RH
Tomoya Sone
(1 GHz to 6 GHz)
Tx 11ax-80 [26-tone RU/Index 36] 5775 MHz

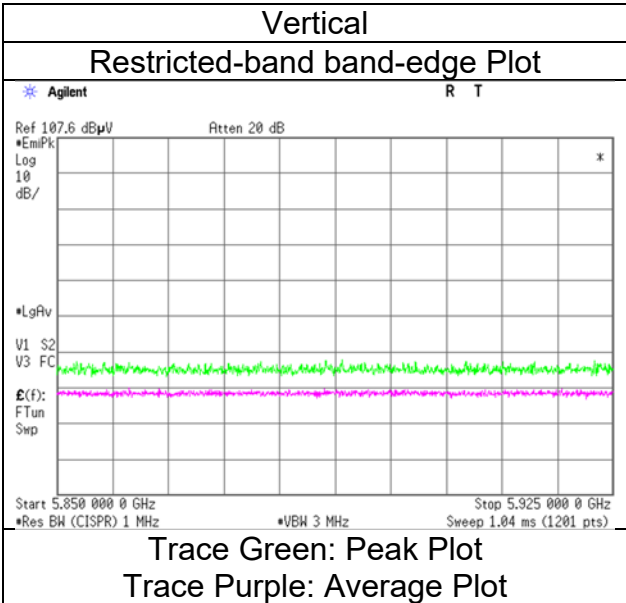
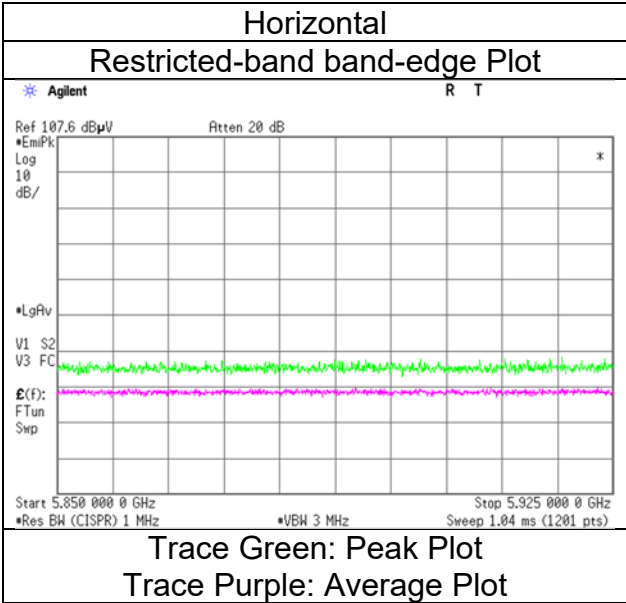
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	41.0	-	32.8	6.3	31.1	-	49.0	-	122.2	-	73.2	-	
Hori.	5855.0	41.4	-	32.8	6.3	31.1	-	49.4	-	110.8	-	61.4	-	
Hori.	5875.0	41.5	-	32.8	6.3	31.1	-	49.6	-	105.2	-	55.6	-	
Hori.	5925.0	41.1	-	32.8	6.4	31.1	-	49.2	-	68.2	-	19.1	-	
Vert.	5850.0	41.9	-	32.8	6.3	31.1	-	50.0	-	122.2	-	72.2	-	
Vert.	5855.0	41.7	-	32.8	6.3	31.1	-	49.7	-	110.8	-	61.1	-	
Vert.	5875.0	41.1	-	32.8	6.3	31.1	-	49.2	-	105.2	-	56.0	-	
Vert.	5925.0	42.3	-	32.8	6.4	31.1	-	50.4	-	68.2	-	17.8	-	

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 - 6 GHz 20log (3.8 m / 3.0 m) = 2.06 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone
	(1 GHz to 6 GHz)
Mode	Tx 11ax-80 [26-tone RU/Index 36] 5775 MHz



* 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.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone (1 GHz to 6 GHz)
Mode	Tx 11ax-80 [52-tone RU/Index 52] 5775 MHz

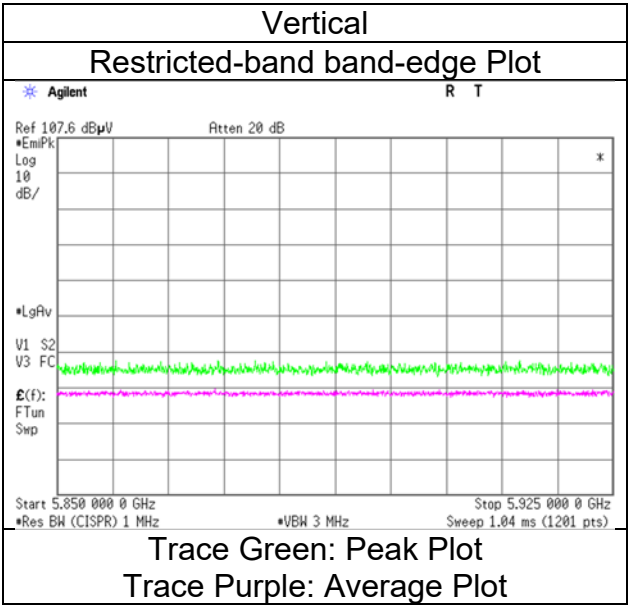
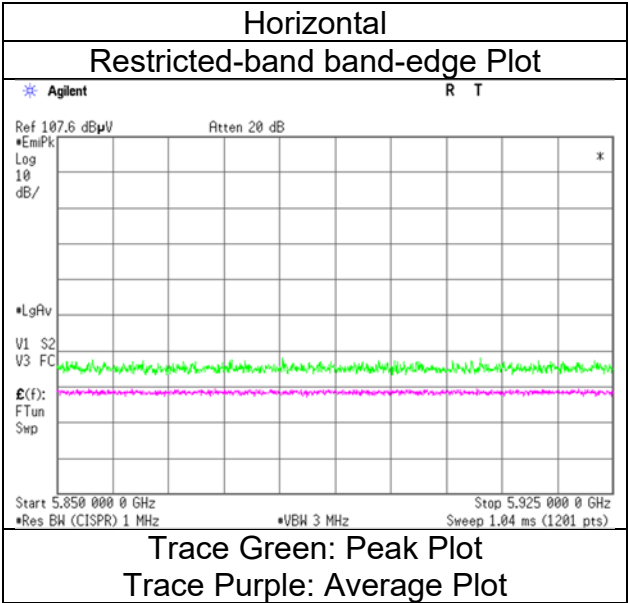
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	41.6	-	32.8	6.3	31.1	-	49.6	-	122.2	-	72.6	-	
Hori.	5855.0	41.2	-	32.8	6.3	31.1	-	49.2	-	110.8	-	61.6	-	
Hori.	5875.0	42.2	-	32.8	6.3	31.1	-	50.3	-	105.2	-	55.0	-	
Hori.	5925.0	41.1	-	32.8	6.4	31.1	-	49.2	-	68.2	-	19.0	-	
Vert.	5850.0	41.7	-	32.8	6.3	31.1	-	49.7	-	122.2	-	72.5	-	
Vert.	5855.0	41.4	-	32.8	6.3	31.1	-	49.5	-	110.8	-	61.3	-	
Vert.	5875.0	41.1	-	32.8	6.3	31.1	-	49.2	-	105.2	-	56.0	-	
Vert.	5925.0	41.3	-	32.8	6.4	31.1	-	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 - 6 GHz $20\log(3.8\text{ m} / 3.0\text{ m}) = 2.06\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone
	(1 GHz to 6 GHz)
Mode	Tx 11ax-80 [52-tone RU/Index 52] 5775 MHz



* 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.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone (1 GHz to 6 GHz)
Mode	Tx 11ax-80 [106-tone RU/Index 60] 5775 MHz

Polarity	Frequency	Reading (QP / PK)	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	[dBuV / PK]	(AV)	Factor	[dB]	[dB]	Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]			[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	41.2	-	32.8	6.3	31.1	-	49.3	-	122.2	-	73.0	-	
Hori.	5855.0	41.7	-	32.8	6.3	31.1	-	49.7	-	110.8	-	61.1	-	
Hori.	5875.0	41.6	-	32.8	6.3	31.1	-	49.7	-	105.2	-	55.5	-	
Hori.	5925.0	41.8	-	32.8	6.4	31.1	-	49.9	-	68.2	-	18.3	-	
Vert.	5850.0	41.4	-	32.8	6.3	31.1	-	49.5	-	122.2	-	72.7	-	
Vert.	5855.0	41.5	-	32.8	6.3	31.1	-	49.5	-	110.8	-	61.3	-	
Vert.	5875.0	41.2	-	32.8	6.3	31.1	-	49.2	-	105.2	-	56.0	-	
Vert.	5925.0	42.0	-	32.8	6.4	31.1	-	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

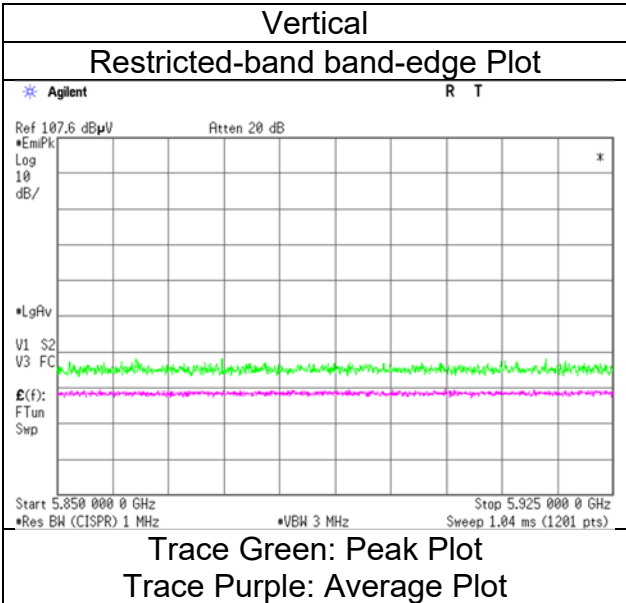
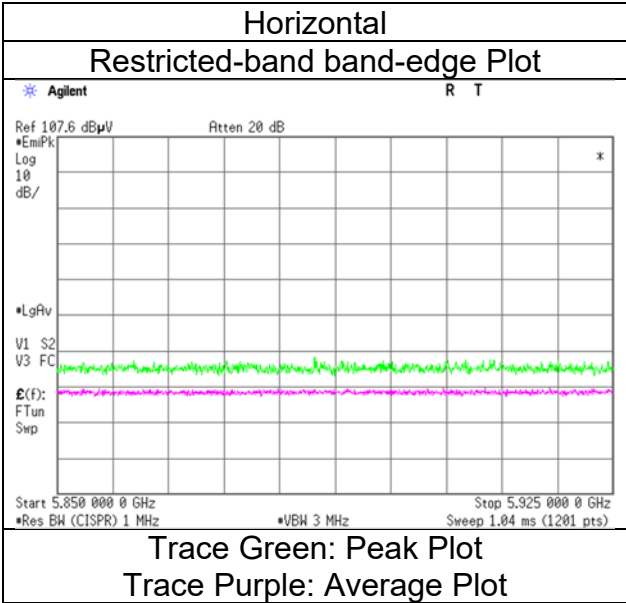
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz $20\log(3.8 \text{ m} / 3.0 \text{ m}) = 2.06 \text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone
	(1 GHz to 6 GHz)
Mode	Tx 11ax-80 [106-tone RU/Index 60] 5775 MHz



* 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.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone (1 GHz to 6 GHz)
Mode	Tx 11ax-80 [242-tone RU/Index 64] 5775 MHz

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)	Remarks
[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	-	32.8	6.3	31.1	-	50.3	-	122.2	-	71.9	-	
Hori.	5855.0	41.5	-	32.8	6.3	31.1	-	49.6	-	110.8	-	61.3	-	
Hori.	5875.0	41.5	-	32.8	6.3	31.1	-	49.5	-	105.2	-	55.7	-	
Hori.	5925.0	42.0	-	32.8	6.4	31.1	-	50.1	-	68.2	-	18.2	-	
Vert.	5850.0	41.5	-	32.8	6.3	31.1	-	49.5	-	122.2	-	72.7	-	
Vert.	5855.0	41.3	-	32.8	6.3	31.1	-	49.3	-	110.8	-	61.5	-	
Vert.	5875.0	41.3	-	32.8	6.3	31.1	-	49.4	-	105.2	-	55.9	-	
Vert.	5925.0	41.0	-	32.8	6.4	31.1	-	49.1	-	68.2	-	19.1	-	

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

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

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

*QP detector was used up to 1 GHz.

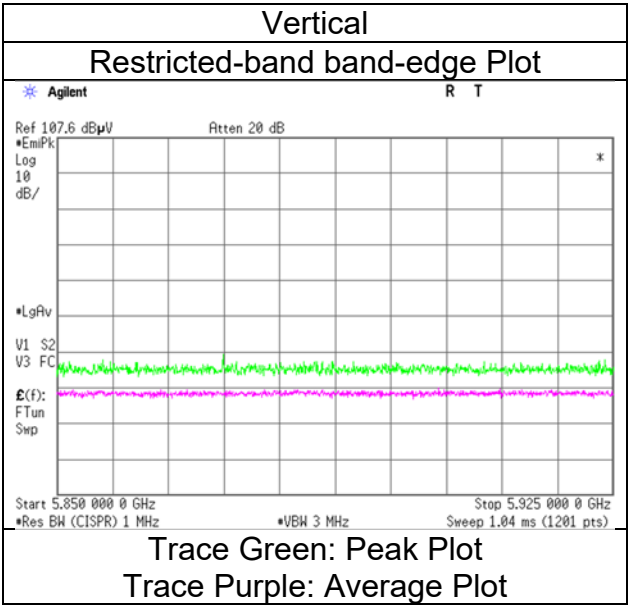
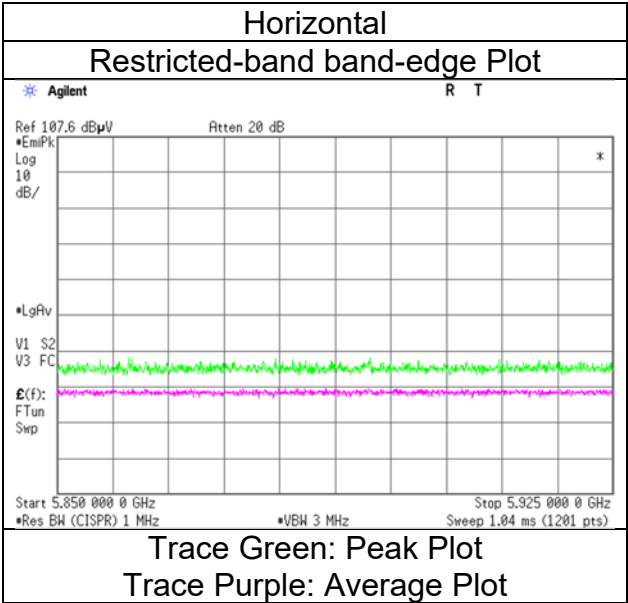
Distance factor: 1 GHz - 6 GHz $20\log(3.8 \text{ m} / 3.0 \text{ m}) = 2.06 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
September 5, 2024
24 deg. C / 65 % RH
Tomoya Sone
(1 GHz to 6 GHz)
Tx 11ax-80 [242-tone RU/Index 64] 5775 MHz



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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Ise EMC Lab.
No.4
September 5, 2024
24 deg. C / 65 % RH
Tomoya Sone
(1 GHz to 6 GHz)
Tx 11ax-80 [484-tone RU/Index 66] 5775 MHz

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	41.4	-	32.8	6.3	31.1	-	49.5	-	122.2	-	72.7	-	
Hori.	5855.0	41.6	-	32.8	6.3	31.1	-	49.6	-	110.8	-	61.2	-	
Hori.	5875.0	41.9	-	32.8	6.3	31.1	-	50.0	-	105.2	-	55.3	-	
Hori.	5925.0	41.9	-	32.8	6.4	31.1	-	50.0	-	68.2	-	18.2	-	
Vert.	5850.0	41.2	-	32.8	6.3	31.1	-	49.3	-	122.2	-	72.9	-	
Vert.	5855.0	41.4	-	32.8	6.3	31.1	-	49.4	-	110.8	-	61.4	-	
Vert.	5875.0	41.6	-	32.8	6.3	31.1	-	49.6	-	105.2	-	55.6	-	
Vert.	5925.0	41.9	-	32.8	6.4	31.1	-	50.0	-	68.2	-	18.2	-	

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.

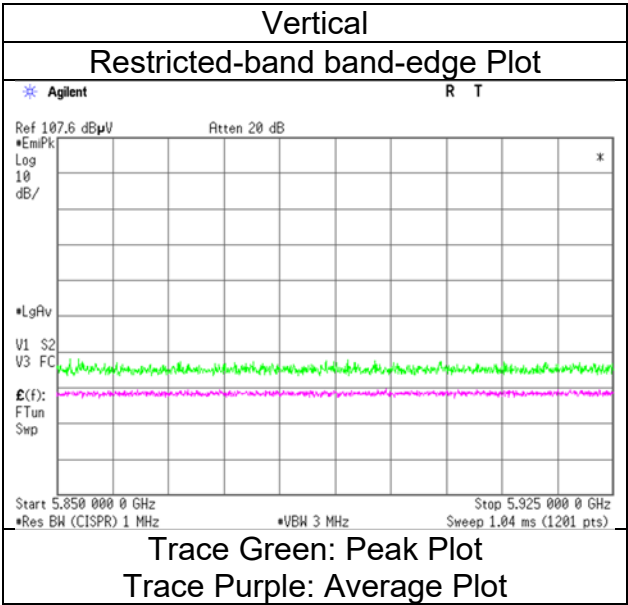
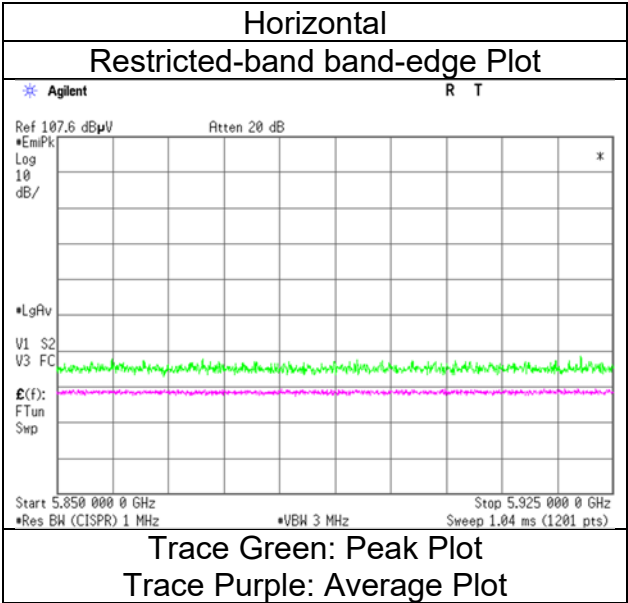
Distance factor: 1 GHz - 6 GHz 20log (3.8 m / 3.0 m) = 2.06 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
September 5, 2024
24 deg. C / 65 % RH
Tomoya Sone
(1 GHz to 6 GHz)
Tx 11ax-80 [484-tone RU/Index 66] 5775 MHz



* 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.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone (1 GHz to 6 GHz)
Mode	Tx 11ax-80 [996-tone RU/Index 67] 5775 MHz

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	40.7	-	32.4	6.3	31.0	-	48.3	-	68.2	-	19.9	-	
Hori.	5700.0	41.5	-	32.5	6.3	31.0	-	49.2	-	105.2	-	56.0	-	
Hori.	5720.0	47.8	-	32.5	6.3	31.0	-	55.5	-	110.8	-	55.3	-	
Hori.	5725.0	53.3	-	32.5	6.3	31.0	-	61.1	-	122.2	-	61.1	-	
Hori.	5850.0	41.8	-	32.8	6.3	31.1	-	49.8	-	122.2	-	72.4	-	
Hori.	5855.0	41.3	-	32.8	6.3	31.1	-	49.3	-	110.8	-	61.5	-	
Hori.	5875.0	41.6	-	32.8	6.3	31.1	-	49.6	-	105.2	-	55.6	-	
Hori.	5925.0	41.4	-	32.8	6.4	31.1	-	49.5	-	68.2	-	18.7	-	
Vert.	5650.0	41.2	-	32.4	6.3	31.0	-	48.8	-	68.2	-	19.4	-	
Vert.	5700.0	41.4	-	32.5	6.3	31.0	-	49.1	-	105.2	-	56.1	-	
Vert.	5720.0	45.0	-	32.5	6.3	31.0	-	52.8	-	110.8	-	58.0	-	
Vert.	5725.0	50.1	-	32.5	6.3	31.0	-	57.9	-	122.2	-	64.3	-	
Vert.	5850.0	41.7	-	32.8	6.3	31.1	-	49.7	-	122.2	-	72.5	-	
Vert.	5855.0	41.6	-	32.8	6.3	31.1	-	49.7	-	110.8	-	61.1	-	
Vert.	5875.0	41.7	-	32.8	6.3	31.1	-	49.8	-	105.2	-	55.4	-	
Vert.	5925.0	41.3	-	32.8	6.4	31.1	-	49.4	-	68.2	-	18.9	-	

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

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

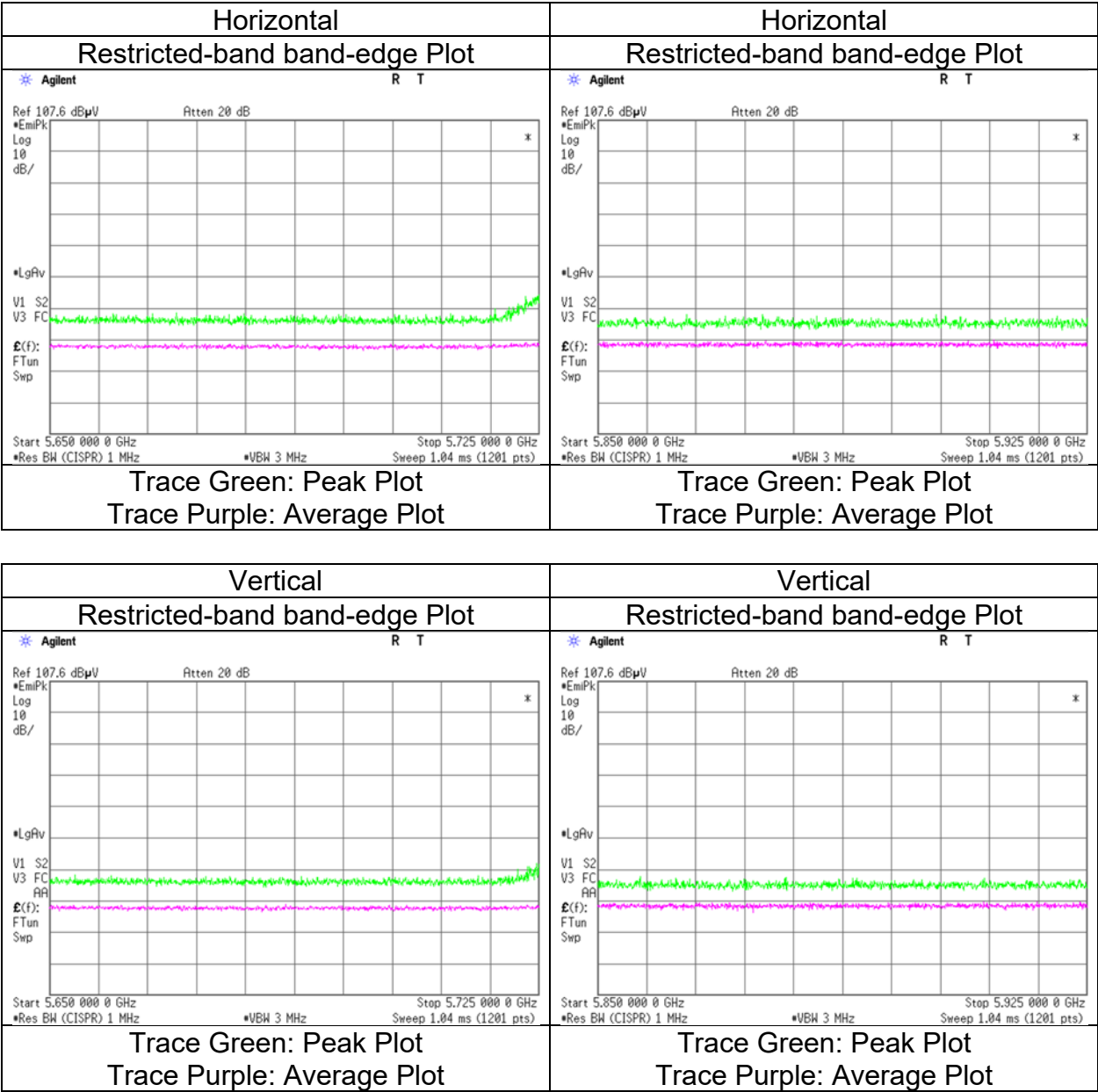
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1 GHz.

Distance factor: 1 GHz - 6 GHz $20\log(3.8\text{ m} / 3.0\text{ m}) = 2.06\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	September 5, 2024
Temperature / Humidity	24 deg. C / 65 % RH
Engineer	Tomoya Sone
	(1 GHz to 6 GHz)
Mode	Tx 11ax-80 [996-tone RU/Index 67] 5775 MHz



* 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.4 No.4
Date October 16, 2024 October 16, 2024
Temperature / Humidity 23 deg. C / 70 % RH 25 deg. C / 56 % RH
Engineer Hiroyuki Furutaka Nachi Konegawa
 (1 GHz to 26.5 GHz) (Below 1 GHz)
Mode Tx 11ax-80 [484-tone RU/Index 65] 5210 MHz + 3DH5 Hopping

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor	[dB]	[dB]	[dB]	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
[dBuV]	[dBuV]	[dBm]	[dB]	[dBm]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	36.4	30.3	-	16.2	7.1	28.5	-	25.1	-	40.0	-	14.9	-	
Hori.	193.3	33.5	-	16.5	8.7	28.0	-	30.6	-	43.5	-	12.9	-	
Hori.	253.3	35.6	-	12.1	9.2	27.7	-	29.2	-	46.0	-	16.8	-	
Hori.	275.5	35.9	-	13.3	9.4	27.7	-	30.8	-	46.0	-	15.2	-	
Hori.	291.1	33.4	-	13.7	9.5	27.7	-	28.9	-	46.0	-	17.1	-	
Hori.	344.0	36.1	-	15.1	9.8	28.0	-	33.0	-	46.0	-	13.0	-	
Hori.	5000.0	41.4	36.6	31.8	6.9	30.8	-	49.4	44.6	73.9	53.9	24.5	9.3	
Hori.	5760.0	41.0	-	32.6	7.4	31.0	-	49.9	-	68.2	-	18.3	-	
Hori.	10420.0	43.4	-	35.9	-1.7	32.6	-	45.0	-	68.2	-	23.2	-	Floor noise
Hori.	15630.0	44.0	33.7	39.4	-0.2	32.2	-	50.9	40.6	73.9	53.9	23.0	13.3	Floor noise
Vert.	48.6	42.3	-	11.7	7.3	28.5	-	32.8	-	40.0	-	7.3	-	
Vert.	180.0	36.7	-	16.1	8.6	28.1	-	33.3	-	43.5	-	10.2	-	
Vert.	253.3	36.4	-	12.1	9.2	27.7	-	30.0	-	46.0	-	16.0	-	
Vert.	273.3	29.7	-	13.1	9.4	27.7	-	24.5	-	46.0	-	21.5	-	
Vert.	291.1	30.5	-	13.7	9.5	27.7	-	26.0	-	46.0	-	20.0	-	
Vert.	344.1	34.4	-	15.1	9.8	28.0	-	31.3	-	46.0	-	14.7	-	
Vert.	5000.0	43.8	39.1	31.8	6.9	30.8	-	51.8	47.1	73.9	53.9	22.1	6.8	
Vert.	5760.0	40.9	-	32.6	7.4	31.0	-	49.8	-	68.2	-	18.4	-	
Vert.	10420.0	43.4	-	35.9	-1.7	32.6	-	45.0	-	68.2	-	23.2	-	Floor noise
Vert.	15630.0	44.0	33.7	39.4	-0.2	32.2	-	50.9	40.6	73.9	53.9	23.0	13.3	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

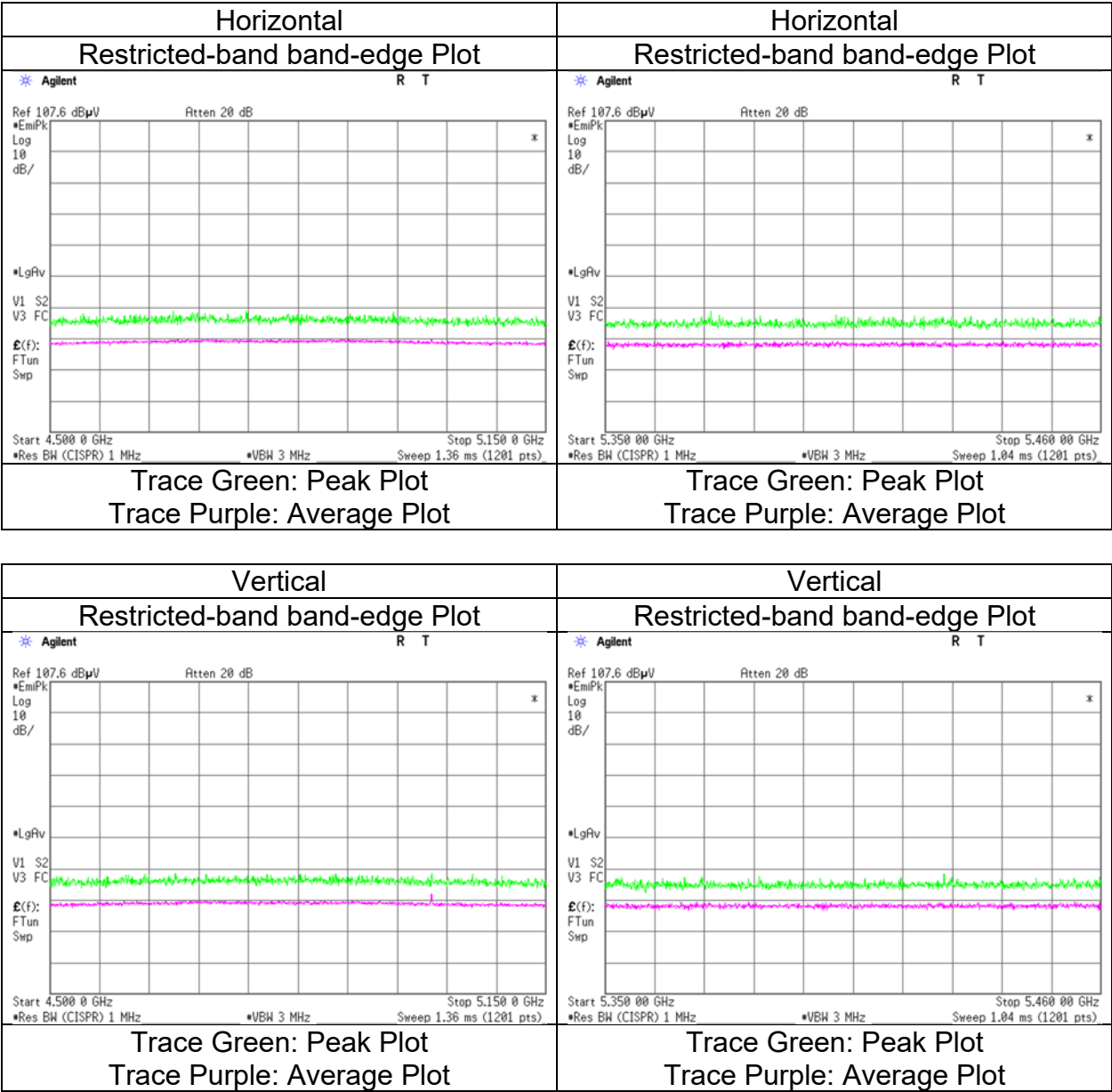
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz 20log (3.8 m / 3.0 m) = 2.06 dB
 6 GHz - 10 GHz 20log (4.8 m / 3.0 m) = 4.09 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.4
Date	October 16, 2024
Temperature / Humidity	23 deg. C / 70 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 26.5 GHz)
Mode	Tx 11ax-80 [484-tone RU/Index 65] 5210 MHz + 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

Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	April 24, 2025	April 25, 2025	April 27, 2025
Temperature / Humidity	23 deg. C / 51 % RH	23 deg. C / 48 % RH	24 deg. C / 40 % RH
Engineer	Takumi Nishida	Tetsuro Yoshida	Yuta Moriya
	(1 GHz to 10 GHz)	(Above 10 GHz)	(Below 1 GHz)
Mode	Tx 11ax-20 [OFDM] 5745 MHz + 11ax-20 [OFDM] 2462 MHz		

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.	32.6	24.4	-	17.8	6.9	28.6	-	20.5	-	40.0	-	19.5	-	
Hori.	68.2	24.7	-	6.4	7.3	28.5	-	9.8	-	40.0	-	30.2	-	
Hori.	71.7	24.2	-	6.3	7.3	28.5	-	9.3	-	40.0	-	30.7	-	
Hori.	196.6	25.8	-	16.6	8.3	28.0	-	22.6	-	43.5	-	20.9	-	
Hori.	266.2	24.1	-	12.7	8.7	27.8	-	17.8	-	46.0	-	28.3	-	
Hori.	615.5	23.8	-	19.4	10.4	29.3	-	24.3	-	46.0	-	21.8	-	
Hori.	5000.0	44.0	38.6	31.7	5.9	30.8	-	50.9	45.4	73.9	53.9	23.1	8.5	
Hori.	5650.0	42.7	-	31.7	6.3	30.9	-	49.7	-	68.2	-	18.5	-	
Hori.	5700.0	42.7	-	31.8	6.3	30.9	-	49.9	-	105.2	-	55.3	-	
Hori.	5720.0	42.7	-	31.9	6.3	31.0	-	49.9	-	110.8	-	60.9	-	
Hori.	5725.0	43.0	-	31.9	6.3	31.0	-	50.2	-	122.2	-	72.0	-	
Hori.	11490.0	42.8	34.5	38.1	-2.3	32.5	-	46.2	37.8	73.9	53.9	27.8	16.1	Floor noise
Hori.	17235.0	44.0	-	40.2	-0.9	31.1	-	52.2	-	68.2	-	16.0	-	Floor noise
Vert.	32.6	27.2	-	17.8	6.9	28.6	-	23.2	-	40.0	-	16.8	-	
Vert.	68.2	28.6	-	6.4	7.3	28.5	-	13.8	-	40.0	-	26.3	-	
Vert.	71.7	25.8	-	6.3	7.3	28.5	-	10.9	-	40.0	-	29.1	-	
Vert.	196.6	28.1	-	16.6	8.3	28.0	-	24.9	-	43.5	-	18.6	-	
Vert.	266.2	24.2	-	12.7	8.7	27.8	-	17.9	-	46.0	-	28.2	-	
Vert.	615.5	27.6	-	19.4	10.4	29.3	-	28.1	-	46.0	-	18.0	-	
Vert.	5000.0	45.9	41.5	31.7	5.9	30.8	-	52.8	48.4	73.9	53.9	21.1	5.6	
Vert.	5650.0	42.7	-	31.7	6.3	30.9	-	49.7	-	68.2	-	18.5	-	
Vert.	5700.0	42.9	-	31.8	6.3	30.9	-	50.0	-	105.2	-	55.2	-	
Vert.	5720.0	43.3	-	31.9	6.3	31.0	-	50.5	-	110.8	-	60.3	-	
Vert.	5725.0	43.2	-	31.9	6.3	31.0	-	50.4	-	122.2	-	71.8	-	
Vert.	11490.0	42.0	34.4	38.1	-2.3	32.5	-	45.4	37.7	73.9	53.9	28.6	16.2	Floor noise
Vert.	17235.0	44.4	-	40.2	-0.9	31.1	-	52.6	-	68.2	-	15.6	-	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

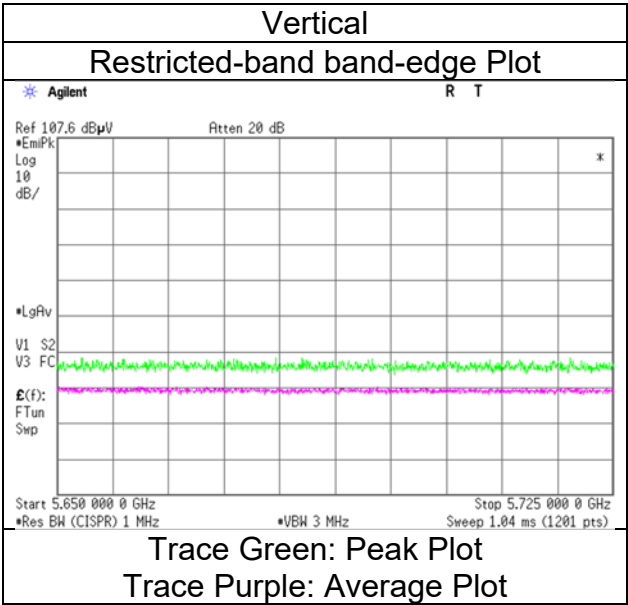
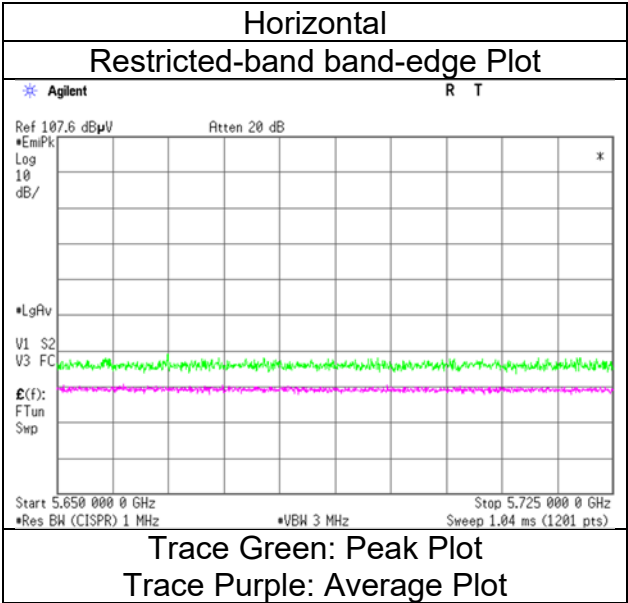
Distance factor:	1 GHz - 6 GHz	20log (3.55 m / 3.0 m) = 1.47 dB
	6 GHz - 10 GHz	20log (3.55 m / 3.0 m) = 1.47 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

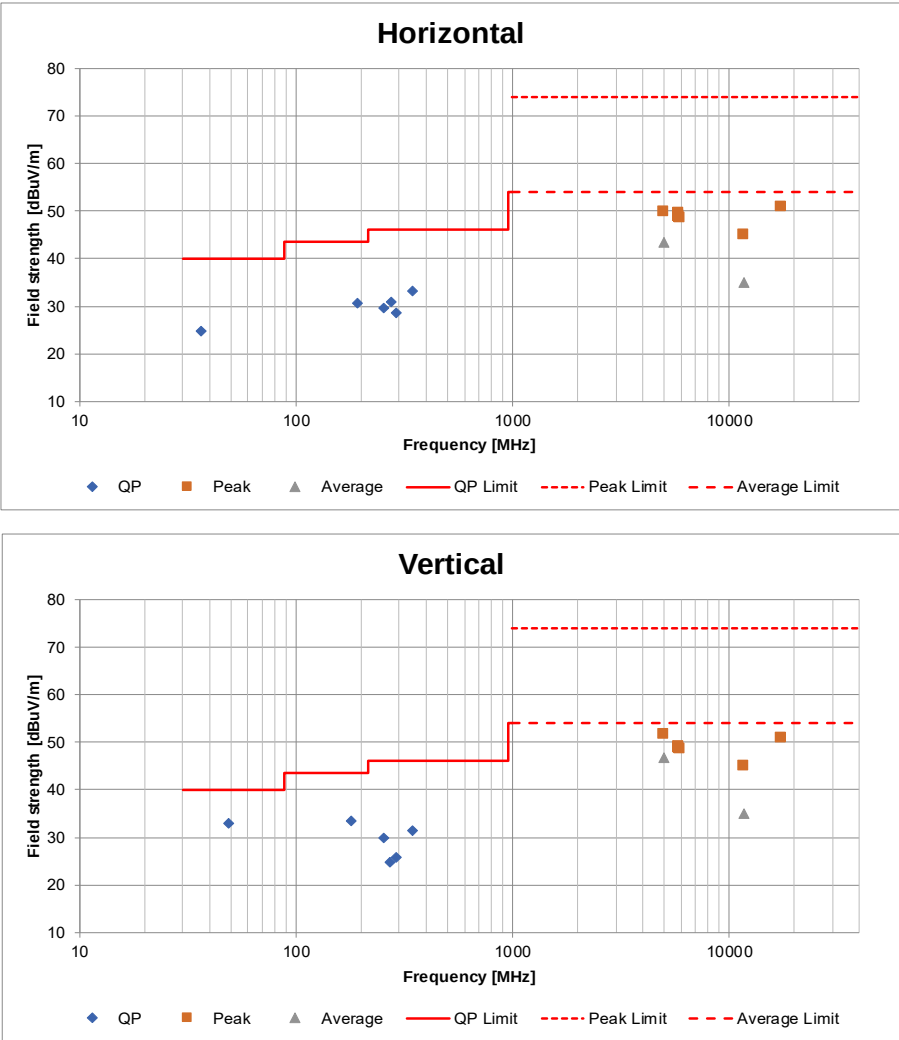
Ise EMC Lab.
No.2
April 24, 2025
23 deg. C / 51 % RH
Takumi Nishida
(1 GHz to 10 GHz)
Tx 11ax-20 [OFDM] 5745 MHz + 11ax-20 [OFDM] 2462 MHz



* 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.4	No.4	No.1
Date	September 3, 2024	September 12, 2024	September 24, 2024
Temperature / Humidity	24 deg. C / 58 % RH	22 deg. C / 72 % RH	22 deg. C / 60 % RH
Engineer	Tomoya Sone (1 GHz to 6 GHz)	Tomoya Sone (6 GHz to 18 GHz)	Shousei Hamaguchi (18 GHz to 26.5 GHz)
Semi Anechoic Chamber	No.4	No.4	
Date	October 15, 2024	October 16, 2024	
Temperature / Humidity	22 deg. C / 68 % RH	25 deg. C / 56 % RH	
Engineer	Nachi Konegawa (Above 26.5 GHz)	Nachi Konegawa (Below 1 GHz)	
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5825 MHz		



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

APPENDIX 2: Test Instruments

Test Equipment used from September 2 to October 16, 2024

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	141227	Microwave Cable	Junkosha	MMX221-00500DMSDMS	1502S305	03/04/2024	12
RE	141267	Logperiodic Antenna (200-1000MHz)	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	9111B-192	09/18/2024	12
RE	141294	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCC	603	02/15/2024	12
RE	141331	Attenuator(6dB)	TME	UFA-01	-	02/17/2024	12
RE	141397	Coaxial Cable	UL Japan	-	-	11/22/2023	12
RE	141425	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103+BBA9106	VHA 91031302	08/23/2024	12
RE	141508	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	557	05/17/2024	12
RE	141517	Horn Antenna 26.5-40GHz	ETS-Lindgren	3160-10	152399	11/20/2023	12
RE	141545	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	51201148	02/01/2024	12
RE	141581	MicroWave System Amplifier	Keysight Technologies Inc	83017A	00650	10/05/2023	12
RE	141588	Pre Amplifier	L3 Narda-MITEQ	AMF-6F-2600400-33-8P / AMF-4F-2600400-33-8P	1871355 /1871328	01/22/2024	12
RE	141594	Pre Amplifier	Keysight Technologies Inc	8447D	2944A10150	02/17/2024	12
RE	141899	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY46180655	05/09/2024	12
RE	141903	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46186390	01/26/2024	12
RE	141950	EMI Test Receiver	Rohde & Schwarz	ESU26	100412	11/20/2023	12
RE	141978	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY46180899	05/09/2024	12
RE	141994	AC1_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 10m	DA-06881	04/20/2023	24
RE	142011	AC4_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	12/13/2023	24
RE	142017	AC4_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-10005	04/14/2023	24
RE	142230	Measure, Tape, Steel	KOMELON	KMC-36	-	-	-
RE	160324	Coaxial Cable	Huber+Suhner	SUCOFLEX 102A	MY009/2A	10/05/2023	12
RE	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
RE	234602	Microwave Cable	Huber+Suhner	SF126E/11PC35/11PC35/1000M,5000M	537063/126E / 537074/126E	03/08/2024	12
RE	244710	Thermo-Hygrometer	HIOKI E.E. CORPORATION	LR5001	231202104	01/25/2024	12
RE	245787	Double Ridge Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	689	03/06/2024	12
RE	245788	Double Ridge Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	690	03/06/2024	12

Test Equipment used from April 27 to 29, 2025

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	141265	Logperiodic Antenna (200-1000MHz)	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	9111B-190	07/10/2024	12
RE	141279	Microwave Cable	Junkosha	MMX221-00500DMSDMS	1502S303	03/03/2025	12
RE	141317	Coaxial Cable	UL-ISE	-	-	09/11/2024	12
RE	141331	Attenuator(6dB)	TME	UFA-01	-	02/19/2025	12
RE	141406	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCA	7001	09/11/2024	12
RE	141427	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103B+BBA9106	08031	07/30/2024	12
RE	141512	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	254	10/17/2024	12
RE	141513	Horn Antenna 15-40GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9170	BBHA9170306	07/19/2024	12
RE	141517	Horn Antenna 26.5-40GHz	ETS-Lindgren	3160-10	152399	11/11/2024	12
RE	141542	Digital Tester	Fluke Corporation	FLUKE 26-3	78030611	08/06/2024	12
RE	141588	Pre Amplifier	L3 Narda-MITEQ	AMF-6F-2600400-33-8P / AMF-4F-2600400-33-8P	1871355 /1871328	01/23/2025	12
RE	141594	Pre Amplifier	Keysight Technologies Inc	8447D	2944A10150	02/19/2025	12
RE	141950	EMI Test Receiver	Rohde & Schwarz	ESU26	100412	11/28/2024	12
RE	141978	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY46180899	05/09/2024	12
RE	142004	AC2_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	12/12/2023	24
RE	142006	AC2_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-06902	04/21/2025	24
RE	142228	Measure, Tape, Steel	KOMELON	KMC-36	-	-	-
RE	160324	Coaxial Cable	Huber+Suhner	SUCOFLEX 102A	MY009/2A	10/25/2024	12
RE	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
RE	238713	Double Ridge Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	688	09/02/2024	12
RE	244707	Thermo-Hygrometer	HIOKI E. E. CORPORATION	LR5001	231202102	01/19/2025	12
RE	244707	Thermo-Hygrometer	HIOKI E. E. CORPORATION	LR5001	231202102	01/19/2025	12
RE	252663	Microwave Cable	Huber+Suhner	SF126E/11PC35/11PC35/1000MM,5000MM	616276/126E / 616275/126E	09/10/2024	12
RE	253739	Pre Amplifier	Keysight Technologies Inc	8449B	3008A01919	10/23/2024	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