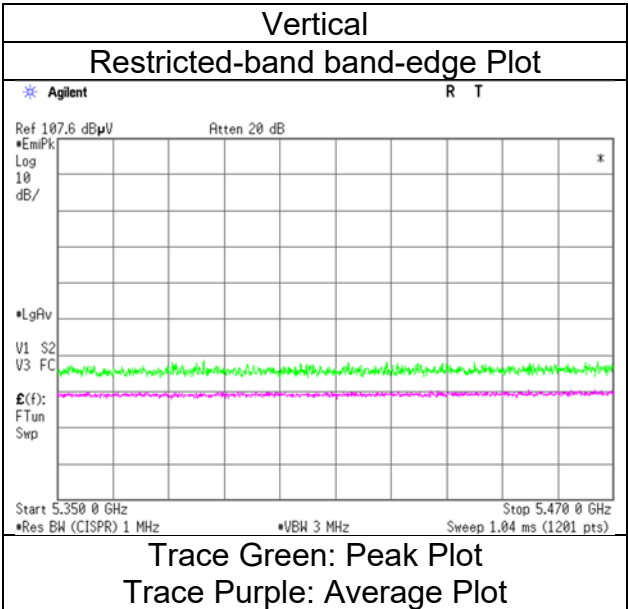
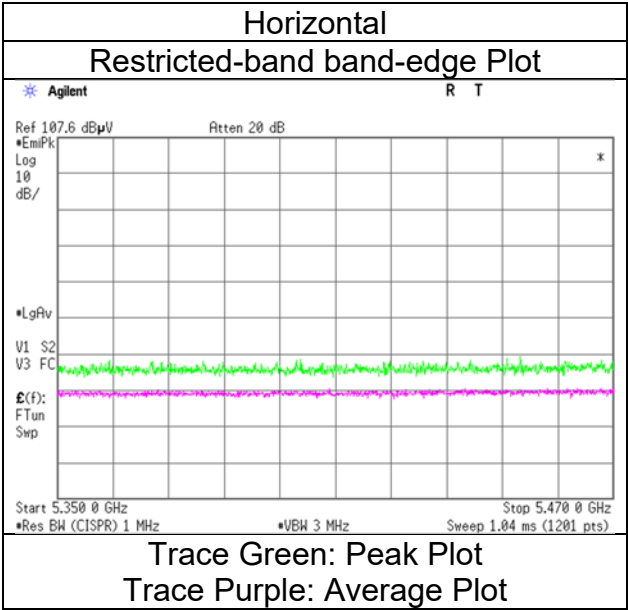


Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 6, 2024
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [OFDM] 5530 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	No.4	No.4
Date	January 31, 2024	February 1, 2024	February 4, 2024	February 6, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 40 % RH	21 deg. C / 40 % RH
Engineer	Yuichiro Yamazaki (26.5 GHz to 40 GHz)	Tomohisa Nakagawa (18 GHz to 26.5 GHz)	Tomohisa Nakagawa (10 GHz to 18 GHz)	Hiroyuki Furutaka (1 GHz to 6 GHz)
Semi Anechoic Chamber	No.4			
Date	February 10, 2024			
Temperature / Humidity	20 deg. C / 37 % RH			
Engineer	Tetsuro Yoshida (6 GHz to 10 GHz)			
Mode	Tx 11be-80 [OFDM] 5610 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.	5725.0	42.4	-	32.4	6.3	31.0	-	50.0	-	68.2	-	18.2	-	
Hori.	11220.0	42.5	34.4	37.4	-0.2	32.7	-	47.0	38.9	73.9	53.9	26.9	15.0	Floor noise
Hori.	16830.0	44.0	-	39.7	1.5	32.3	-	52.8	-	68.2	-	15.4	-	Floor noise
Vert.	5725.0	42.0	-	32.4	6.3	31.0	-	49.6	-	68.2	-	18.6	-	
Vert.	11220.0	42.5	35.1	37.4	-0.2	32.7	-	46.9	39.6	73.9	53.9	27.0	14.3	Floor noise
Vert.	16830.0	43.7	-	39.7	1.5	32.3	-	52.5	-	68.2	-	15.7	-	Floor noise

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 1GHz.

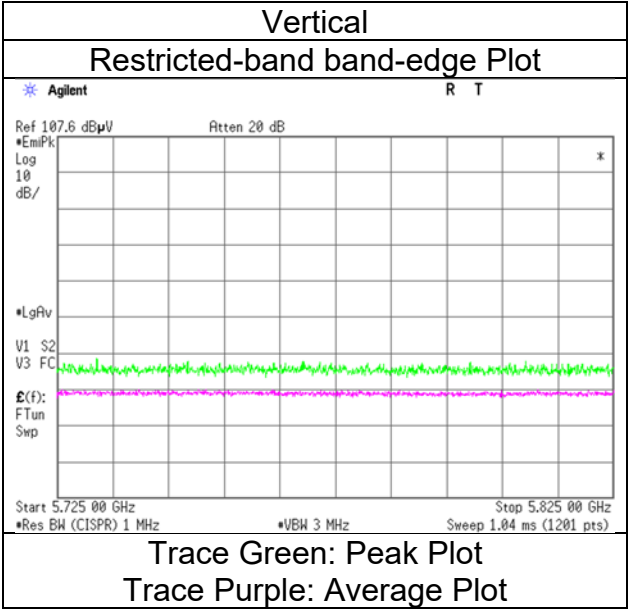
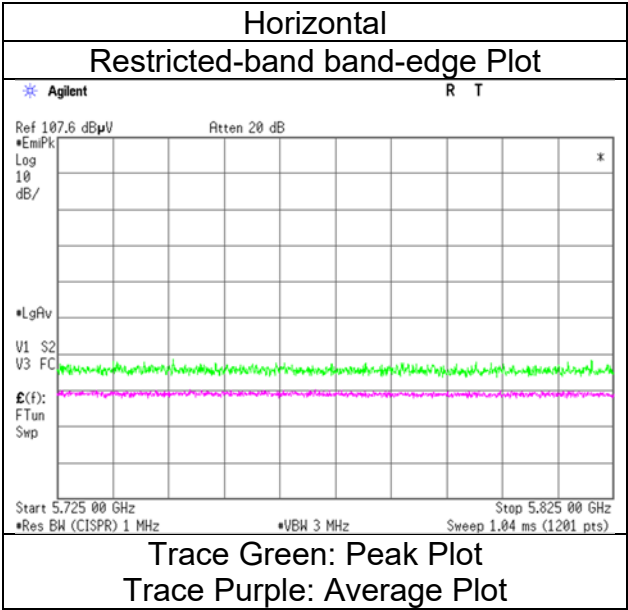
Distance factor:	1 GHz - 6 GHz	$20\log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$
	6 GHz - 10 GHz	$20\log(4.95 \text{ m} / 3.0 \text{ m}) = 4.35 \text{ dB}$
	10 GHz - 40 GHz	$20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [OFDM] 5610 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 No.4 No.4
Date January 31, 2024 February 1, 2024 February 4, 2024 February 6, 2024
Temperature / Humidity 24 deg. C / 45 % RH 21 deg. C / 45 % RH 21 deg. C / 40 % RH 21 deg. C / 40 % RH
Engineer Yuichiro Yamazaki Tomohisa Nakagawa Tomohisa Nakagawa Hiroyuki Furutaka
 (26.5 GHz to 40 GHz) (18 GHz to 26.5 GHz) (10 GHz to 18 GHz) (1 GHz to 6 GHz)

Semi Anechoic Chamber No.4
Date February 10, 2024
Temperature / Humidity 20 deg. C / 37 % RH
Engineer Tetsuro Yoshida
 (6 GHz to 10 GHz)
Mode Tx 11be-80 [OFDM] 5690 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.	11380.0	43.3	35.0	37.6	-0.2	32.7	-	48.0	39.6	73.9	53.9	25.9	14.3	Floor noise
Hori.	17070.0	45.3	-	39.8	1.6	32.4	-	54.3	-	68.2	-	13.9	-	Floor noise
Vert.	11380.0	42.3	34.5	37.6	-0.2	32.7	-	47.0	39.2	73.9	53.9	26.9	14.7	Floor noise
Vert.	17070.0	44.8	-	39.8	1.6	32.4	-	53.8	-	68.2	-	14.4	-	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 (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 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	No.4	No.4	No.4
Date	January 31, 2024	February 1, 2024	February 4, 2024	February 6, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 40 % RH	21 deg. C / 40 % RH
Engineer	Yuichiro Yamazaki (26.5 GHz to 40 GHz)	Tomohisa Nakagawa (18 GHz to 26.5 GHz)	Tomohisa Nakagawa (10 GHz to 18 GHz)	Tetsuro Yoshida (1 GHz to 6 GHz)
Semi Anechoic Chamber	No.4	No.2		
Date	February 14, 2024	February 7, 2024		
Temperature / Humidity	21 deg. C / 45 % RH	21 deg. C / 38 % RH		
Engineer	Nachi Konegawa (6 GHz to 10 GHz)	Daiki Matsui (Below 1 GHz)		
Mode	Tx 11be-80 [OFDM] 5775 MHz			

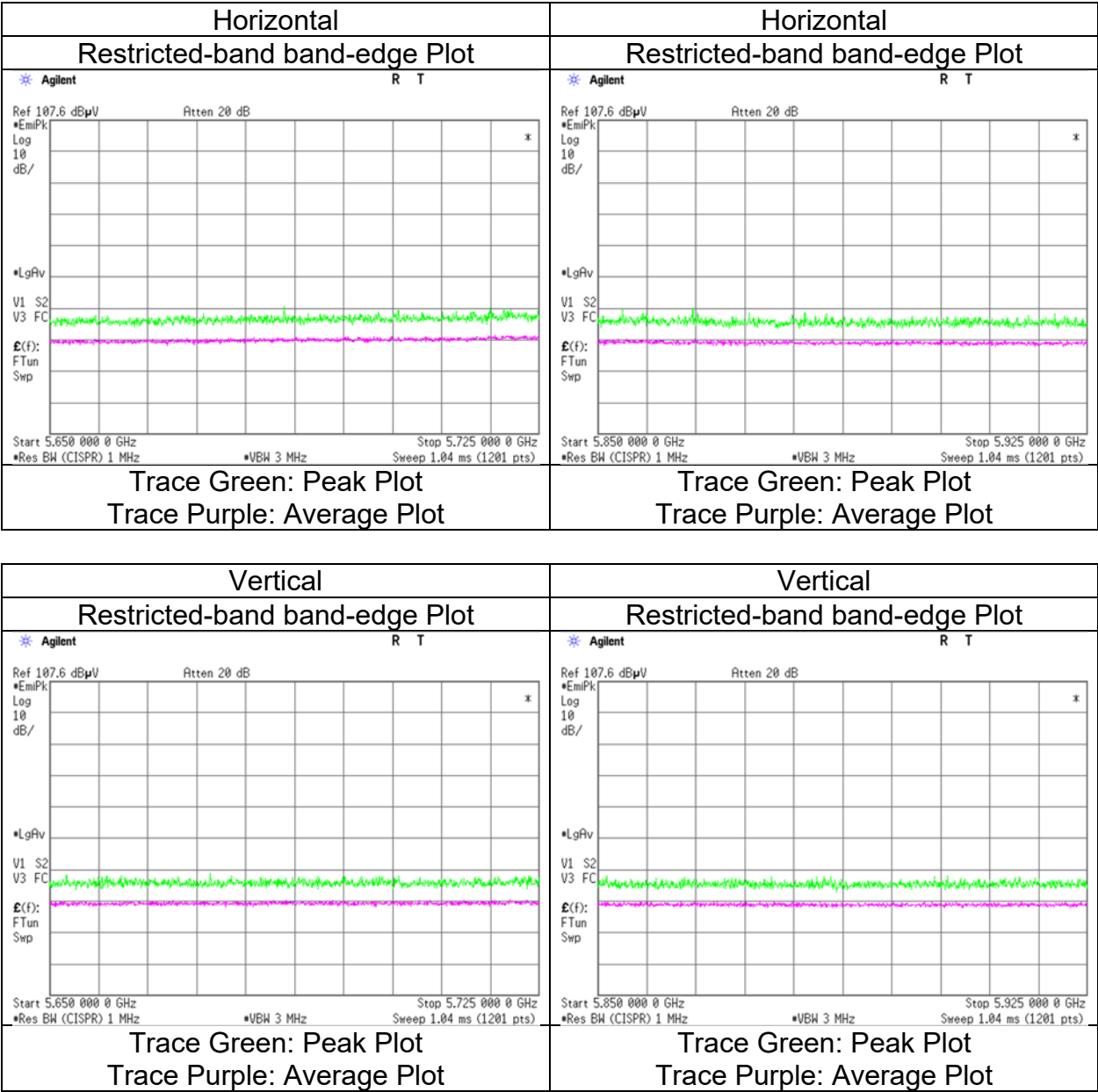
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	64.0	31.5	-	6.9	7.0	28.5	-	16.9	-	40.0	-	23.1	-	
Hori.	106.8	38.1	-	11.2	7.4	28.4	-	28.3	-	43.5	-	15.2	-	
Hori.	166.5	36.7	-	15.6	7.9	28.2	-	32.0	-	43.5	-	11.5	-	
Hori.	353.9	38.8	-	15.2	9.0	28.1	-	34.9	-	46.0	-	11.1	-	
Hori.	626.9	37.3	-	19.5	10.2	29.3	-	37.7	-	46.0	-	8.3	-	
Hori.	774.5	35.2	-	20.5	10.8	29.2	-	37.3	-	46.0	-	8.7	-	
Hori.	5650.0	42.3	-	32.2	6.1	31.0	-	49.7	-	68.2	-	18.5	-	
Hori.	5700.0	45.5	-	32.3	6.2	31.0	-	52.9	-	105.2	-	52.3	-	
Hori.	5720.0	47.3	-	32.3	6.2	31.0	-	54.7	-	110.8	-	56.1	-	
Hori.	5725.0	47.8	-	32.4	6.2	31.0	-	55.3	-	122.2	-	66.9	-	
Hori.	5850.0	43.3	-	32.7	6.2	31.1	-	51.1	-	122.2	-	71.1	-	
Hori.	5855.0	42.3	-	32.7	6.2	31.1	-	50.1	-	110.8	-	60.7	-	
Hori.	5875.0	42.0	-	32.7	6.2	31.1	-	49.8	-	105.2	-	55.4	-	
Hori.	5925.0	41.4	-	32.8	6.2	31.1	-	49.3	-	68.2	-	18.9	-	
Hori.	11550.0	43.3	34.7	37.7	-0.2	32.7	-	48.2	39.6	73.9	53.9	25.7	14.3	Floor noise
Hori.	17325.0	44.5	-	40.0	1.7	32.4	-	53.9	-	68.2	-	14.3	-	Floor noise
Vert.	64.0	47.9	-	6.9	7.0	28.5	-	33.3	-	40.0	-	6.7	-	
Vert.	106.8	48.5	-	11.2	7.4	28.4	-	38.7	-	43.5	-	4.8	-	
Vert.	166.5	44.4	-	15.6	7.9	28.2	-	39.7	-	43.5	-	3.8	-	
Vert.	353.9	38.2	-	15.2	9.0	28.1	-	34.3	-	46.0	-	11.7	-	
Vert.	626.9	37.4	-	19.5	10.2	29.3	-	37.8	-	46.0	-	8.2	-	
Vert.	774.5	34.8	-	20.5	10.8	29.2	-	36.9	-	46.0	-	9.1	-	
Vert.	5650.0	41.3	-	32.2	6.1	31.0	-	48.6	-	68.2	-	19.6	-	
Vert.	5700.0	42.2	-	32.3	6.2	31.0	-	49.7	-	105.2	-	55.6	-	
Vert.	5720.0	42.7	-	32.3	6.2	31.0	-	50.2	-	110.8	-	60.7	-	
Vert.	5725.0	43.5	-	32.4	6.2	31.0	-	51.0	-	122.2	-	71.2	-	
Vert.	5850.0	43.0	-	32.7	6.2	31.1	-	50.8	-	122.2	-	71.4	-	
Vert.	5855.0	42.6	-	32.7	6.2	31.1	-	50.4	-	110.8	-	60.4	-	
Vert.	5875.0	42.0	-	32.7	6.2	31.1	-	49.9	-	105.2	-	55.3	-	
Vert.	5925.0	41.0	-	32.8	6.2	31.1	-	48.9	-	68.2	-	19.3	-	
Vert.	11550.0	43.0	34.8	37.7	-0.2	32.7	-	47.9	39.7	73.9	53.9	26.0	14.2	Floor noise
Vert.	17325.0	44.8	-	40.0	1.7	32.4	-	54.1	-	68.2	-	14.1	-	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 (3.95 m / 3.0 m) = 2.39 dB
	6 GHz- 10 GHz	20log (4.95 m / 3.0 m) = 4.35 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	February 6, 2024
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [OFDM] 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
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 0] 5210 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.	5150.0	40.4	32.1	32.1	6.1	30.9	0.8	47.7	40.2	73.9	53.9	26.2	13.7	*1)
Vert.	5150.0	41.3	31.9	32.1	6.1	30.9	0.8	48.6	40.0	73.9	53.9	25.3	13.9	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

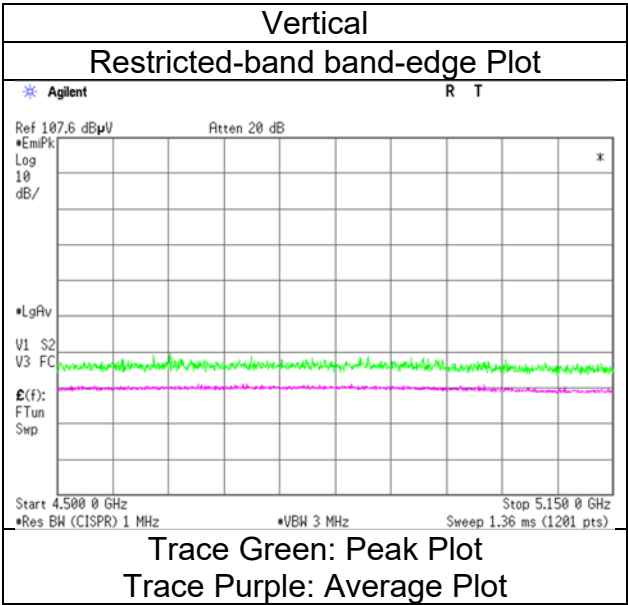
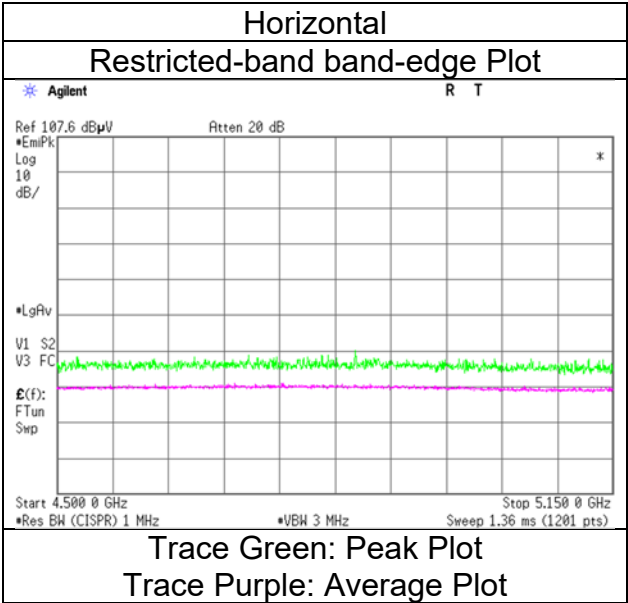
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 0] 5210 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	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [52-tone RU/Index 37] 5210 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	40.5	32.2	32.1	6.1	30.9	0.8	47.8	40.3	73.9	53.9	26.1	13.6	*1)
Vert.	5150.0	42.0	32.1	32.1	6.1	30.9	0.8	49.3	40.2	73.9	53.9	24.6	13.7	*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).

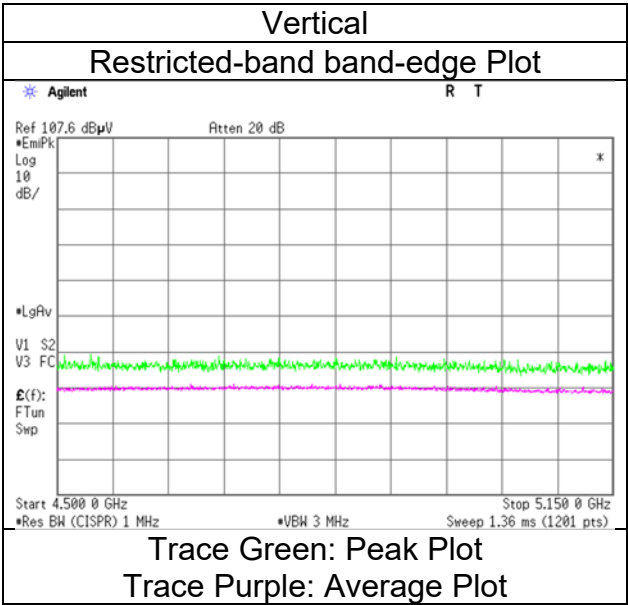
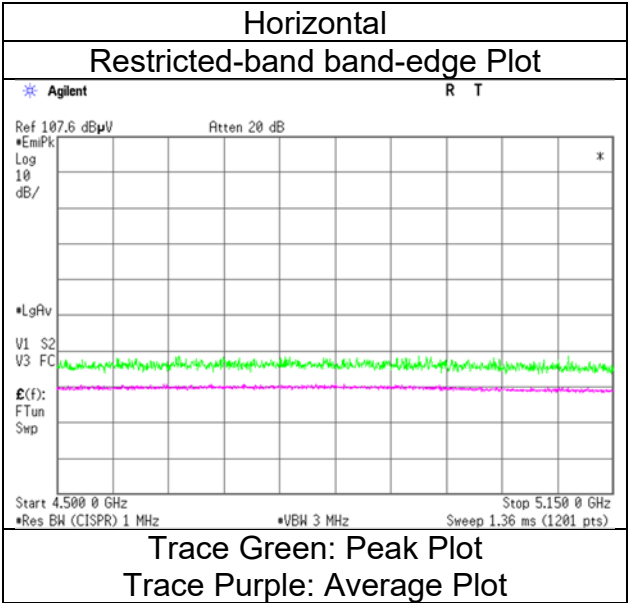
*QP detector was used up to 1GHz.

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

Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [52-tone RU/Index 37] 5210 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
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 53] 5210 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.	5150.0	40.6	32.3	32.1	6.1	30.9	0.8	47.9	40.5	73.9	53.9	26.0	13.5	*1)
Vert.	5150.0	42.2	32.0	32.1	6.1	30.9	0.8	49.5	40.2	73.9	53.9	24.4	13.8	*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)

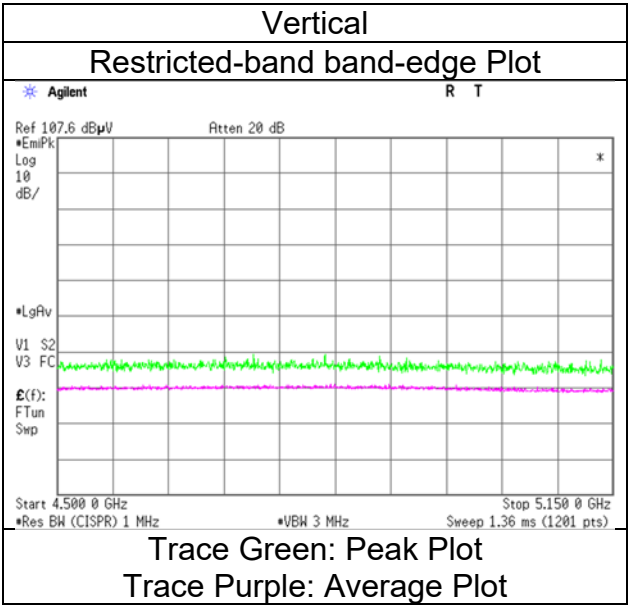
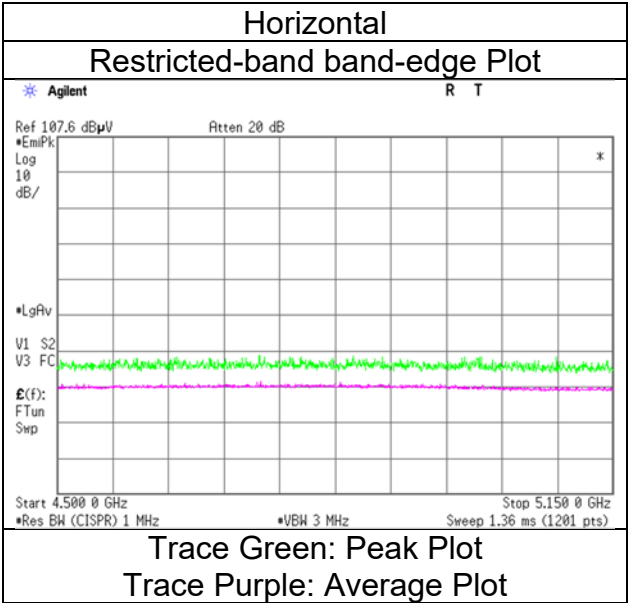
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 53] 5210 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 February 8, 2024
Temperature / Humidity 21 deg. C / 37 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-80 [242-tone RU/Index 61] 5210 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.	5150.0	41.7	32.7	32.1	6.1	30.9	0.9	49.0	40.9	73.9	53.9	24.9	13.0	*1)
Vert.	5150.0	42.4	32.3	32.1	6.1	30.9	0.9	49.7	40.5	73.9	53.9	24.2	13.4	*1)

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

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

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

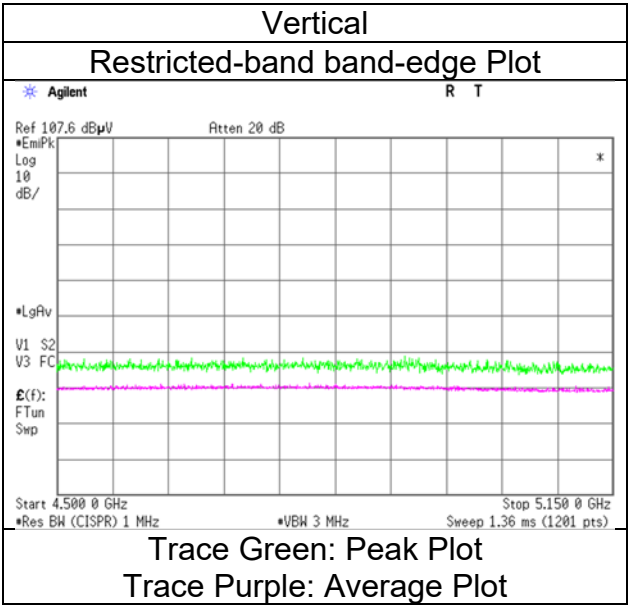
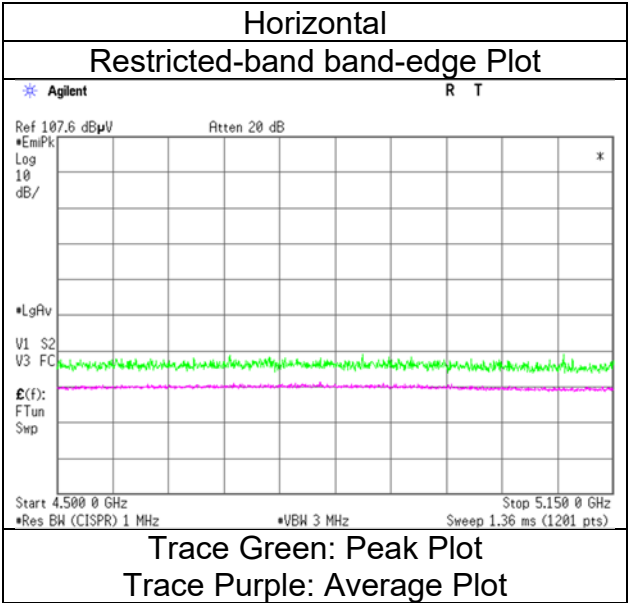
*QP detector was used up to 1GHz.

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

Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [242-tone RU/Index 61] 5210 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	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [484-tone RU/Index 65] 5210 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	42.0	33.6	32.1	6.1	30.9	0.9	49.3	41.8	73.9	53.9	24.6	12.1	*1)
Vert.	5150.0	43.4	33.6	32.1	6.1	30.9	0.9	50.7	41.8	73.9	53.9	23.2	12.1	*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).

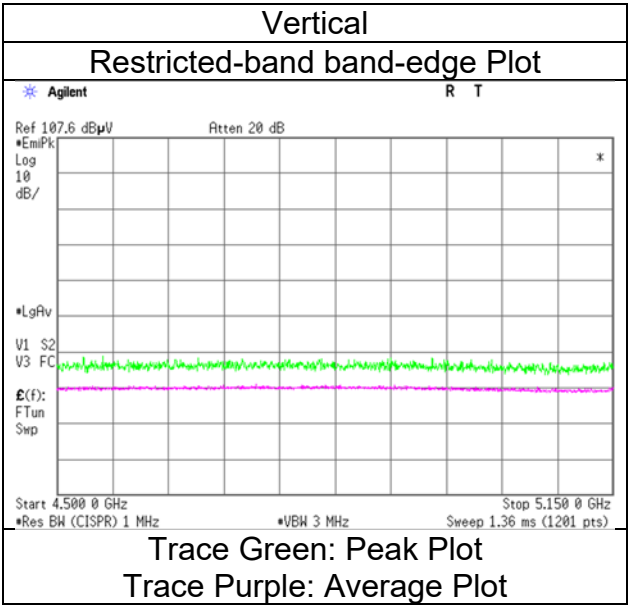
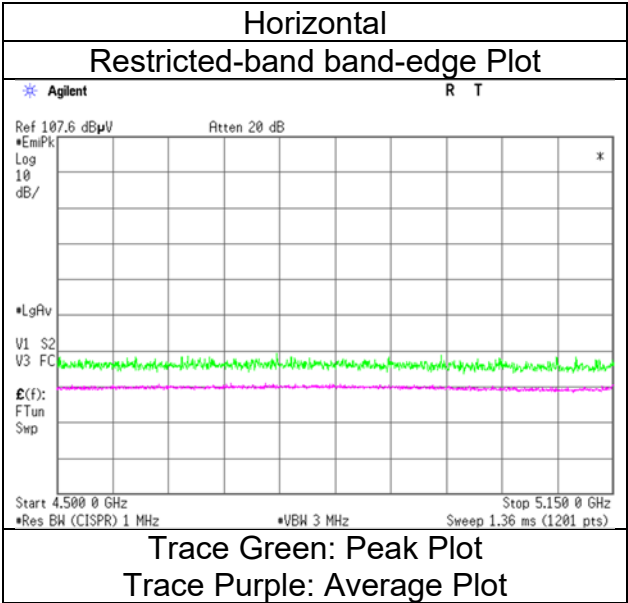
*QP detector was used up to 1GHz.

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

Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [484-tone RU/Index 65] 5210 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

February 8, 2024

21 deg. C / 37 % RH

Hiroyuki Furutaka

(1 GHz to 6 GHz)

Tx 11be-80 [996-tone RU/Index 67] 5210 MHz

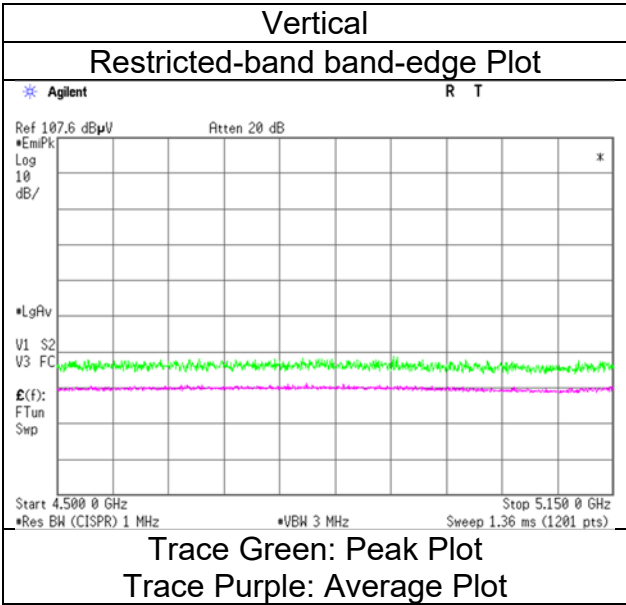
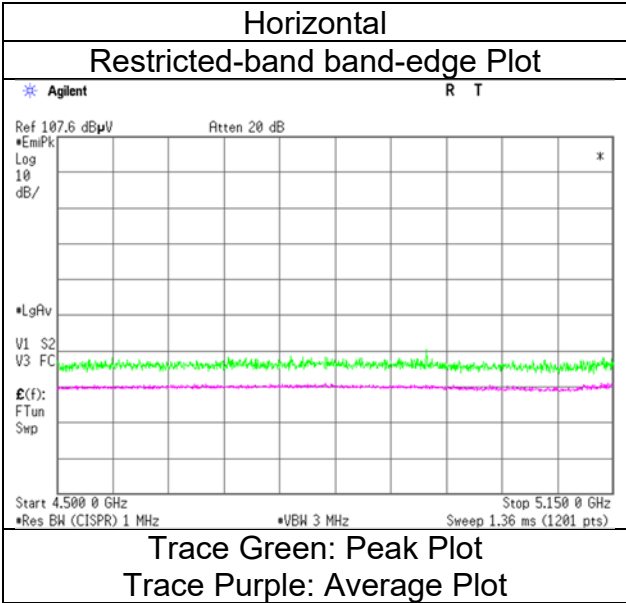
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	44.8	35.6	32.1	6.1	30.9	0.9	52.1	43.8	73.9	53.9	21.8	10.1	*1)
Vert.	5150.0	43.7	34.4	32.1	6.1	30.9	0.9	51.0	42.6	73.9	53.9	22.9	11.3	*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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [996-tone RU/Index 67] 5210 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
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 36] 5290 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.	5350.0	40.7	32.1	31.8	6.1	30.9	0.8	47.7	39.9	73.9	53.9	26.2	14.0	*1)
Vert.	5350.0	40.7	31.9	31.8	6.1	30.9	0.8	47.7	39.7	73.9	53.9	26.2	14.2	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

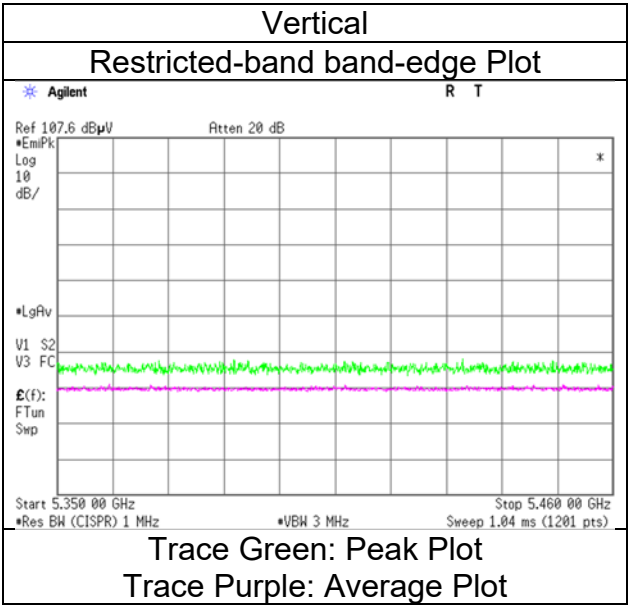
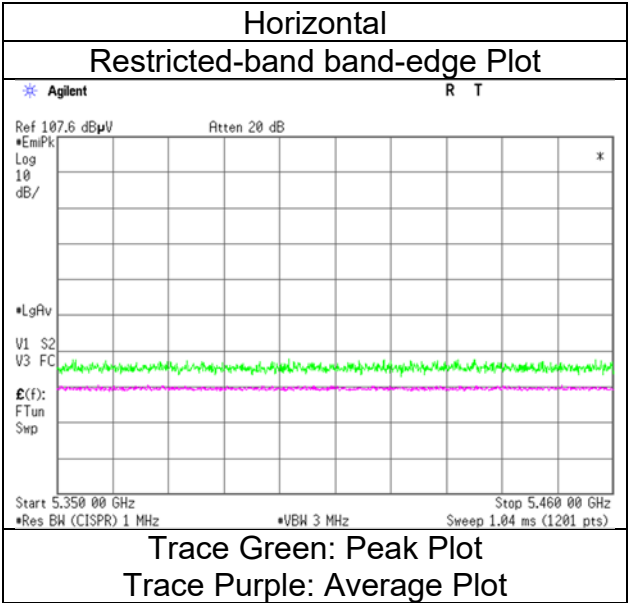
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 36] 5290 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
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [52-tone RU/Index 52] 5290 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.	5350.0	41.3	32.3	31.8	6.1	30.9	0.8	48.3	40.1	73.9	53.9	25.6	13.8	*1)
Vert.	5350.0	41.2	32.1	31.8	6.1	30.9	0.8	48.2	39.9	73.9	53.9	25.7	14.0	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

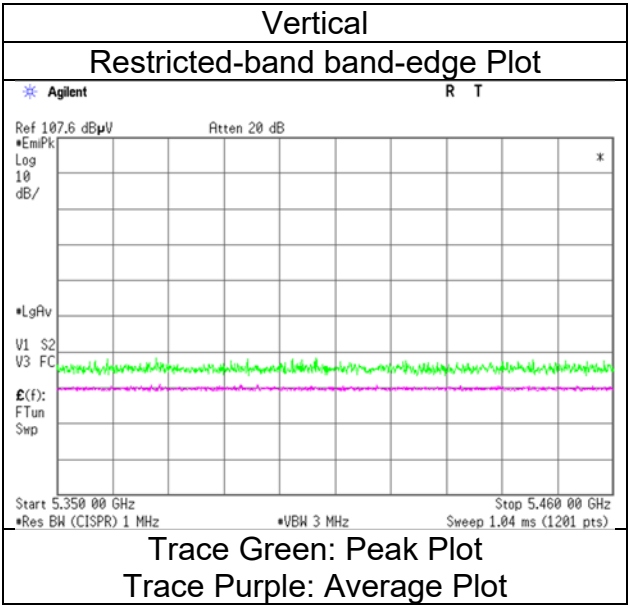
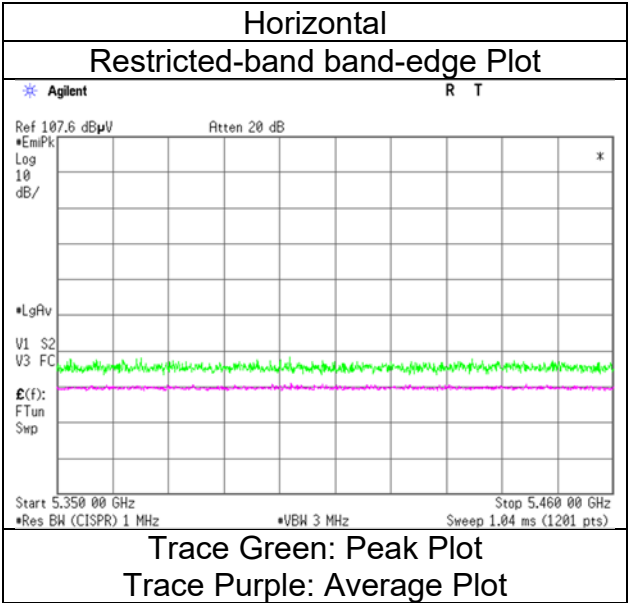
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [52-tone RU/Index 52] 5290 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	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [106-tone RU/Index 60] 5290 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	41.5	32.4	31.8	6.1	30.9	0.8	48.5	40.2	73.9	53.9	25.4	13.7	*1)
Vert.	5350.0	40.8	32.3	31.8	6.1	30.9	0.8	47.8	40.1	73.9	53.9	26.1	13.8	*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)

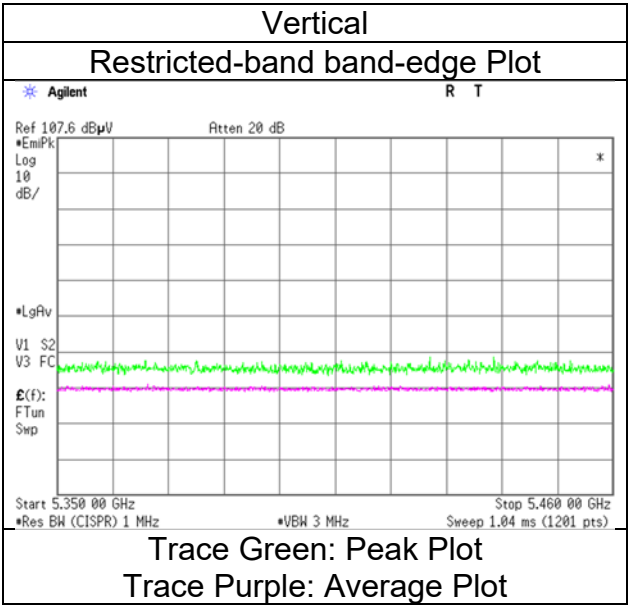
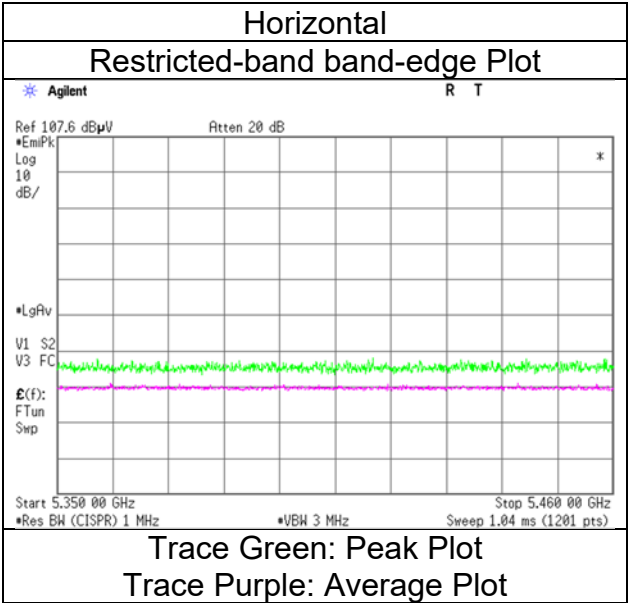
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 60] 5290 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	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [242-tone RU/Index 64] 5290 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	41.8	32.9	31.8	6.1	30.9	0.9	48.8	40.8	73.9	53.9	25.1	13.2	*1)
Vert.	5350.0	41.6	32.7	31.8	6.1	30.9	0.9	48.6	40.6	73.9	53.9	25.3	13.4	*1)

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

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

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

*QP detector was used up to 1GHz.

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

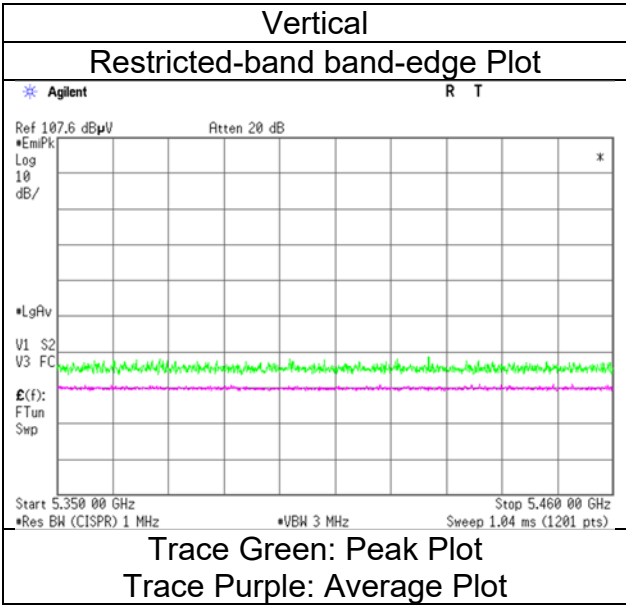
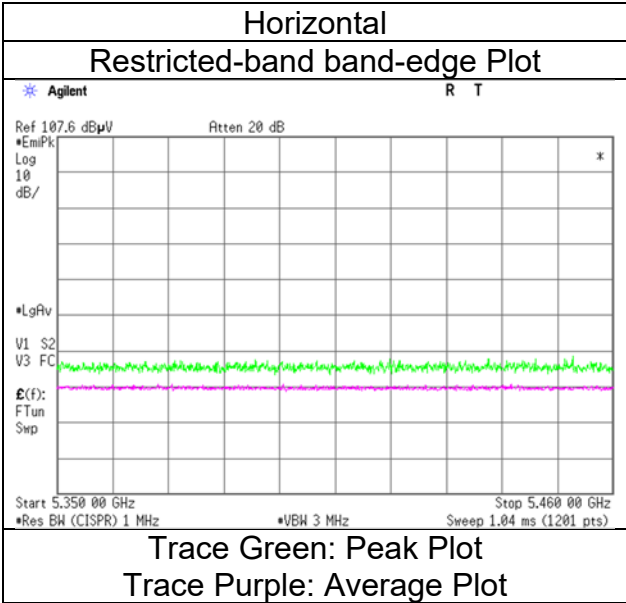
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [242-tone RU/Index 64] 5290 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
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [484-tone RU/Index 66] 5290 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	43.5	33.6	31.8	6.1	30.9	0.9	50.5	41.5	73.9	53.9	23.4	12.4	*1)
Vert.	5350.0	41.9	33.3	31.8	6.1	30.9	0.9	48.9	41.2	73.9	53.9	25.0	12.7	*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)

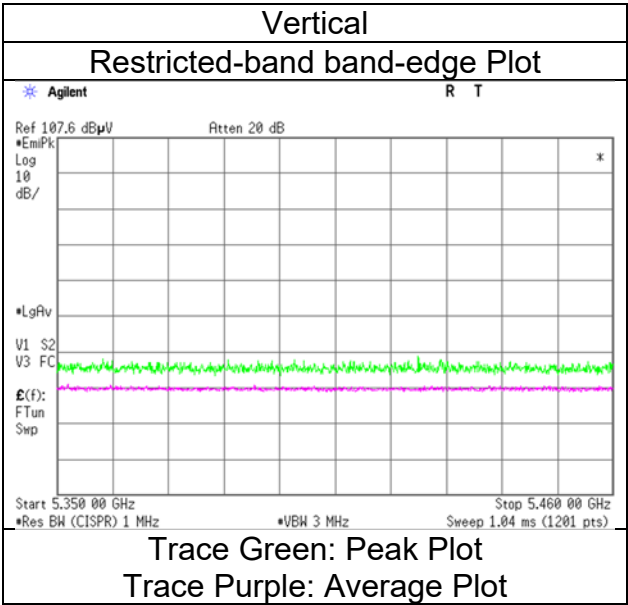
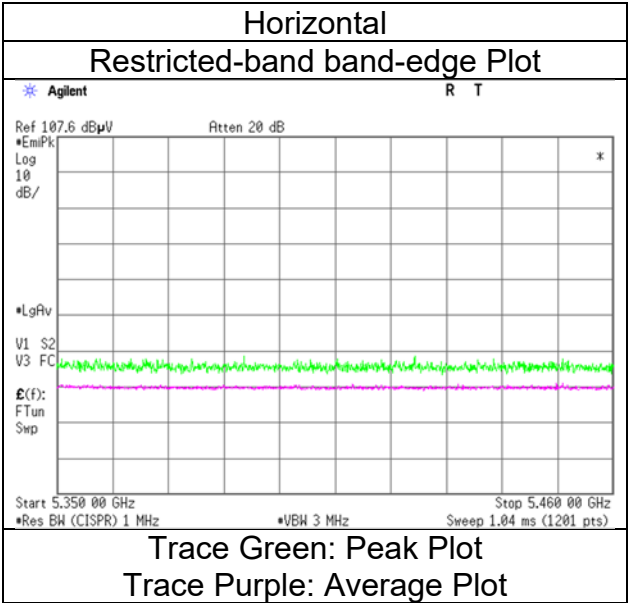
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [484-tone RU/Index 66] 5290 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
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [996-tone RU/Index 67] 5290 MHz

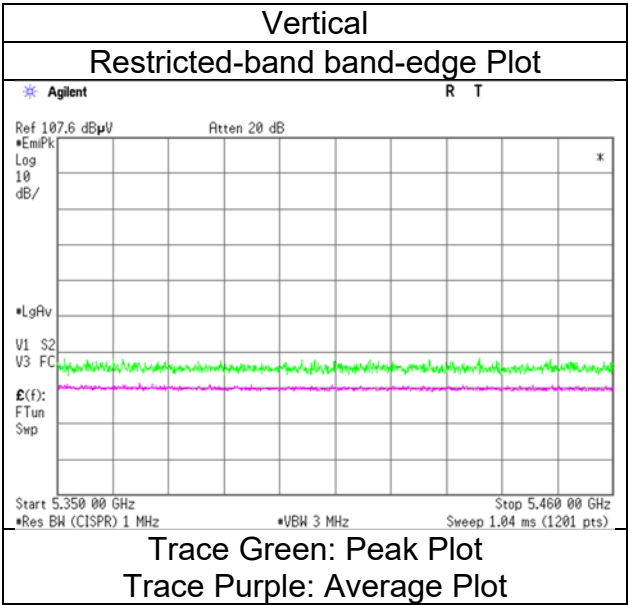
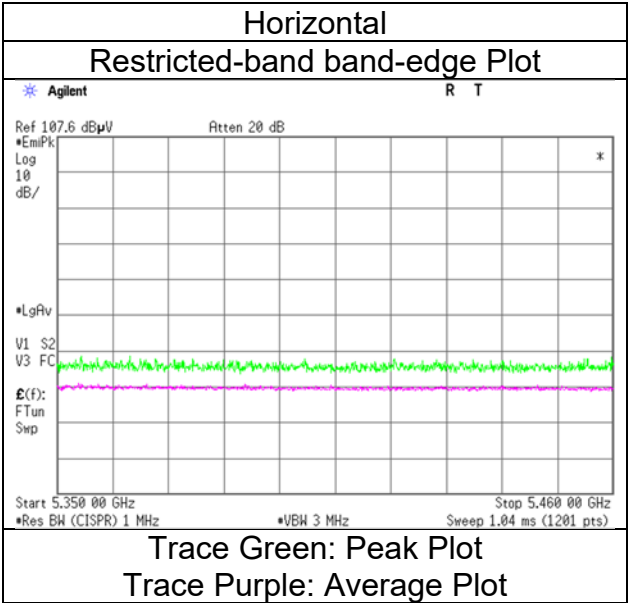
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	43.8	34.2	31.8	6.1	30.9	0.9	50.8	42.1	73.9	53.9	23.1	11.8	*1)
Vert.	5350.0	42.0	33.3	31.8	6.1	30.9	0.9	49.0	41.2	73.9	53.9	24.9	12.7	*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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [996-tone RU/Index 67] 5290 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 0] 5530 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.	5460.0	41.2	32.8	32.0	6.1	30.9	0.8	48.3	40.7	68.2	53.9	19.9	13.3	*1)
Hori.	5470.0	41.7	-	32.0	6.1	30.9	-	48.8	-	68.2	-	19.4	-	
Vert.	5460.0	41.6	31.2	32.0	6.1	30.9	0.8	48.7	39.1	68.2	53.9	19.5	14.8	*1)
Vert.	5470.0	40.8	-	32.0	6.1	30.9	-	47.9	-	68.2	-	20.3	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

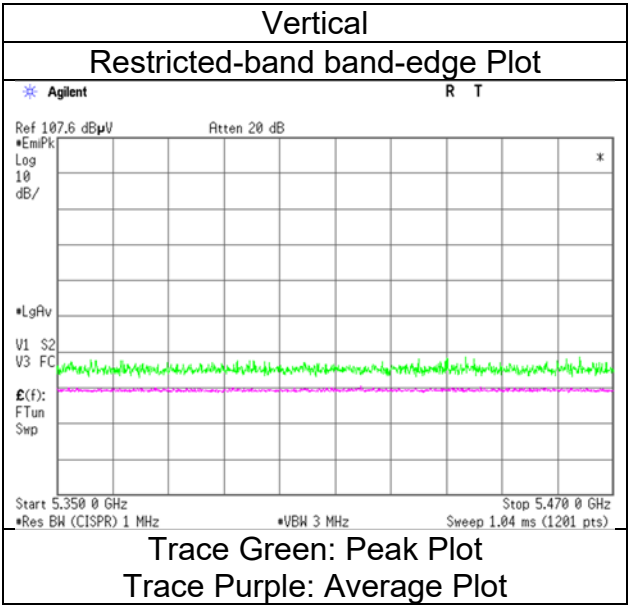
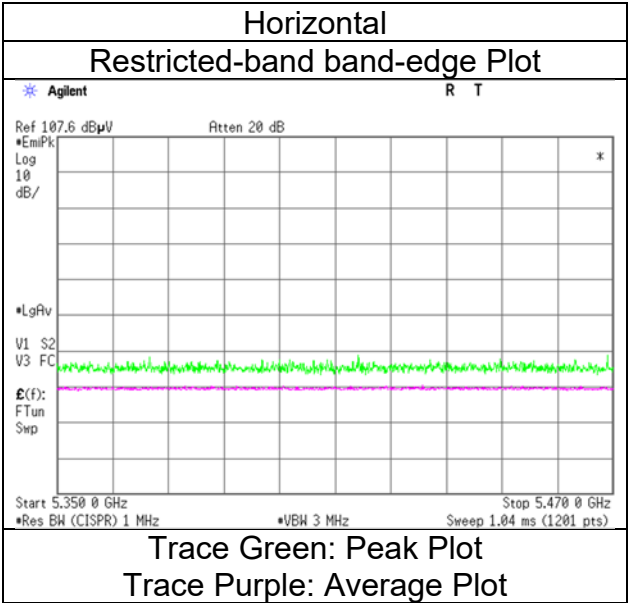
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 0] 5530 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida (1 GHz to 6 GHz)
Mode	Tx 11be-80 [52-tone RU/Index 37] 5530 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.	5460.0	41.3	33.0	32.0	6.1	30.9	0.8	48.4	40.9	68.2	53.9	19.8	13.1	*1)
Hori.	5470.0	41.9	-	32.0	6.1	30.9	-	49.0	-	68.2	-	19.2	-	
Vert.	5460.0	41.7	31.4	32.0	6.1	30.9	0.8	48.8	39.3	68.2	53.9	19.4	14.6	*1)
Vert.	5470.0	40.9	-	32.0	6.1	30.9	-	48.0	-	68.2	-	20.2	-	

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 1GHz.

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

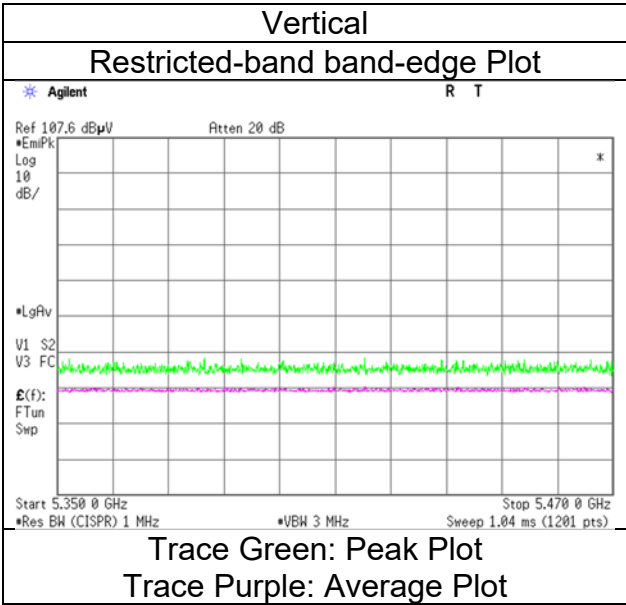
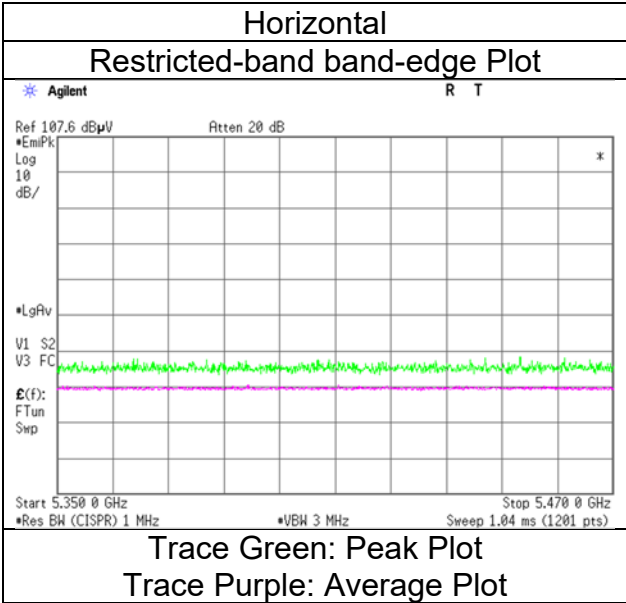
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [52-tone RU/Index 37] 5530 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [106-tone RU/Index 53] 5530 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	41.4	33.2	32.0	6.1	30.9	0.8	48.5	41.1	68.2	53.9	19.7	12.8	*1)
Hori.	5470.0	42.0	-	32.0	6.1	30.9	-	49.1	-	68.2	-	19.1	-	
Vert.	5460.0	42.0	31.6	32.0	6.1	30.9	0.8	49.1	39.5	68.2	53.9	19.1	14.4	*1)
Vert.	5470.0	41.4	-	32.0	6.1	30.9	-	48.5	-	68.2	-	19.7	-	

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

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

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

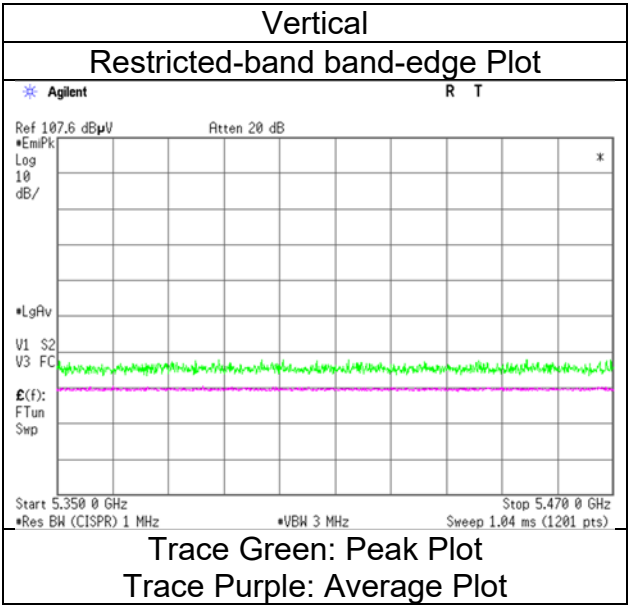
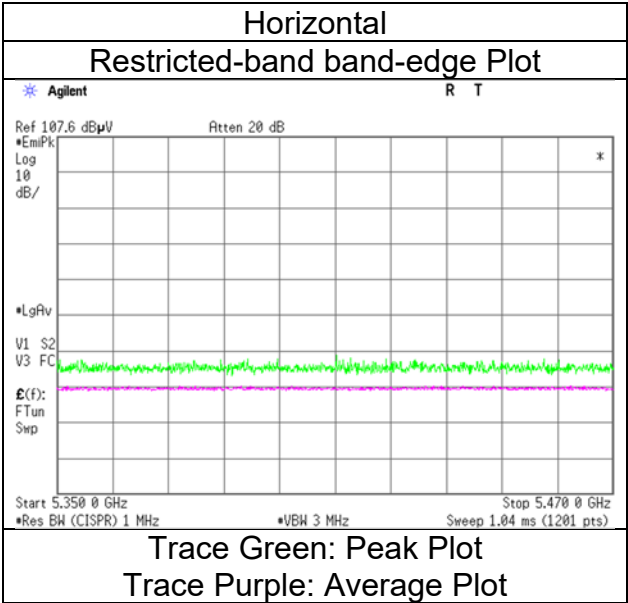
*QP detector was used up to 1GHz.

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

Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [106-tone RU/Index 53] 5530 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [242-tone RU/Index 61] 5530 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	41.5	33.4	32.0	6.1	30.9	0.9	48.6	41.4	68.2	53.9	19.6	12.5	*1)
Hori.	5470.0	42.4	-	32.0	6.1	30.9	-	49.5	-	68.2	-	18.7	-	-
Vert.	5460.0	43.3	32.4	32.0	6.1	30.9	0.9	50.3	40.4	68.2	53.9	17.9	13.5	*1)
Vert.	5470.0	43.7	-	32.0	6.1	30.9	-	50.8	-	68.2	-	17.4	-	-

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

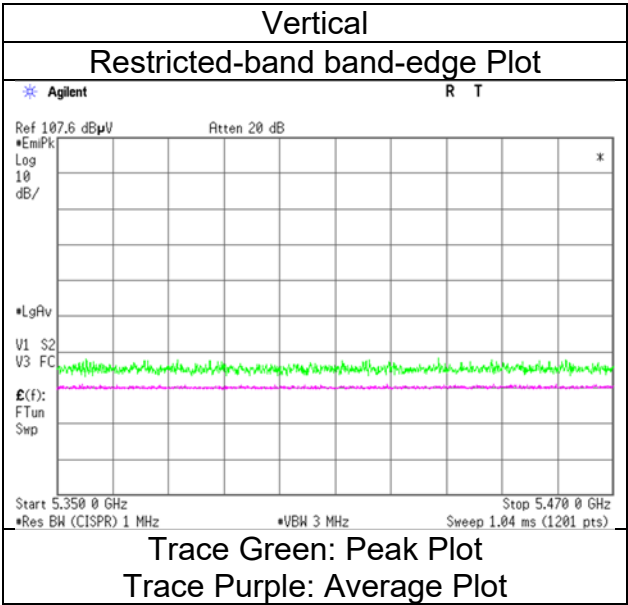
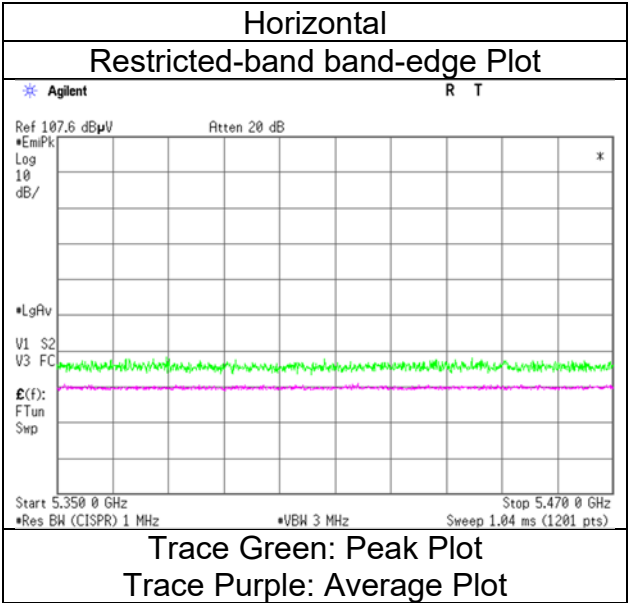
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [242-tone RU/Index 61] 5530 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [484-tone RU/Index 65] 5530 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	41.7	33.6	32.0	6.1	30.9	0.9	48.8	41.5	68.2	53.9	19.5	12.4	*1)
Hori.	5470.0	42.4	-	32.0	6.1	30.9	-	49.5	-	68.2	-	18.7	-	
Vert.	5460.0	43.4	32.6	32.0	6.1	30.9	0.9	50.5	40.5	68.2	53.9	17.7	13.4	*1)
Vert.	5470.0	44.0	-	32.0	6.1	30.9	-	51.1	-	68.2	-	17.1	-	

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)

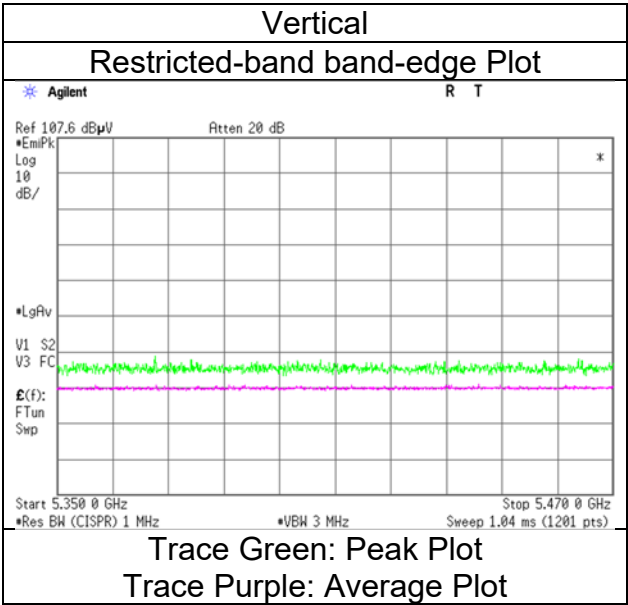
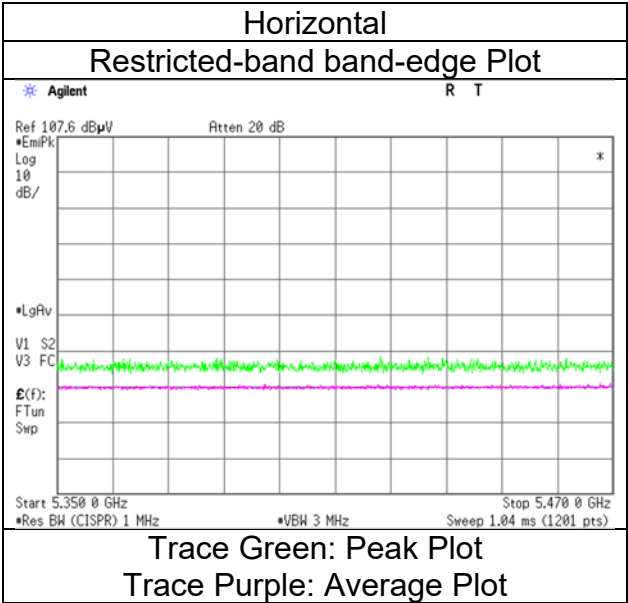
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [484-tone RU/Index 65] 5530 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [996-tone RU/Index 67] 5530 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	42.0	33.9	32.0	6.1	30.9	0.9	49.0	41.9	68.2	53.9	19.2	12.0	*1)
Hori.	5470.0	42.7	-	32.0	6.1	30.9	-	49.8	-	68.2	-	18.4	-	
Vert.	5460.0	43.5	32.7	32.0	6.1	30.9	0.9	50.6	40.7	68.2	53.9	17.7	13.2	*1)
Vert.	5470.0	42.9	-	32.0	6.1	30.9	-	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.
*1) Not Out of Band emission(Leakage Power)

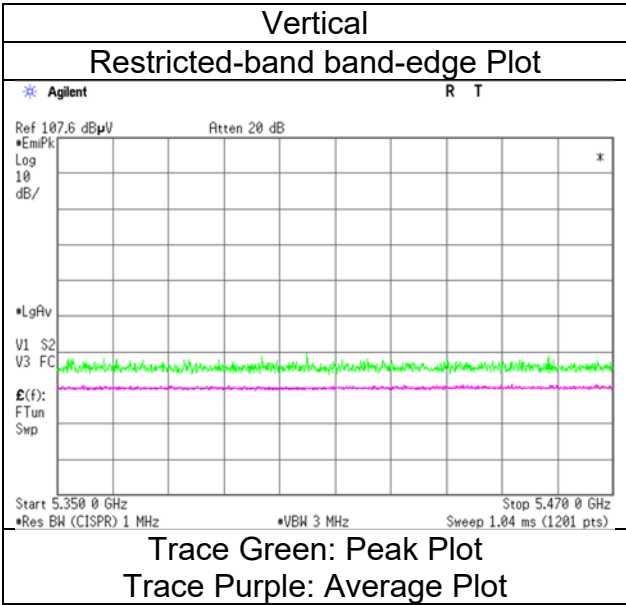
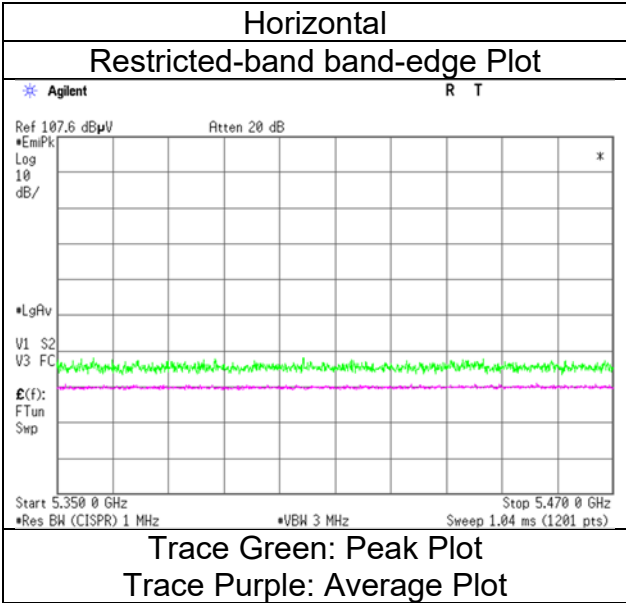
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [996-tone RU/Index 67] 5530 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

February 8, 2024

23 deg. C / 35 % RH

Tetsuro Yoshida

(1 GHz to 6 GHz)

Tx 11be-80 [26-tone RU/Index 36] 5610 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.	5725.0	41.6	-	32.4	6.2	31.0	-	49.1	-	68.2	-	19.1	-	
Vert.	5725.0	41.5	-	32.4	6.2	31.0	-	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.

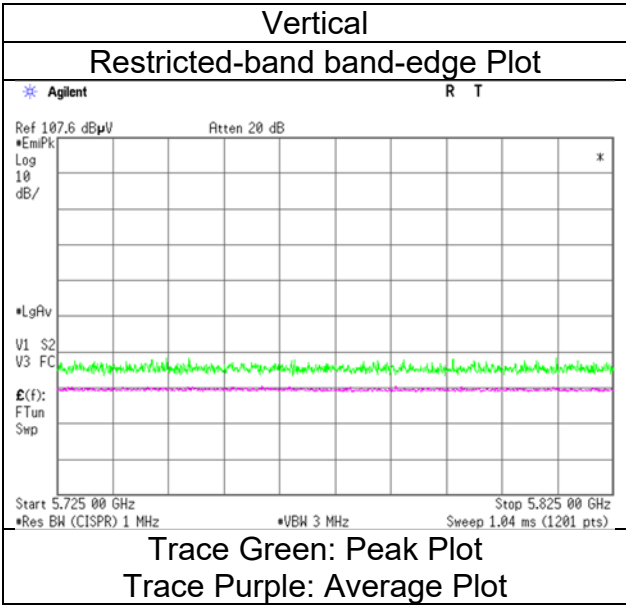
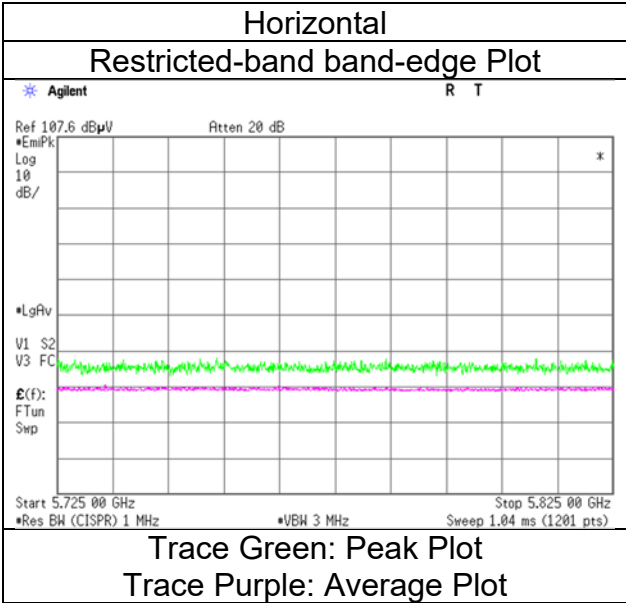
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 36] 5610 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

February 8, 2024

23 deg. C / 35 % RH

Tetsuro Yoshida

(1 GHz to 6 GHz)

Tx 11be-80 [52-tone RU/Index 52] 5610 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	41.9	-	32.4	6.2	31.0	-	49.4	-	68.2	-	18.8	-	
Vert.	5725.0	41.7	-	32.4	6.2	31.0	-	49.2	-	68.2	-	19.0	-	

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.

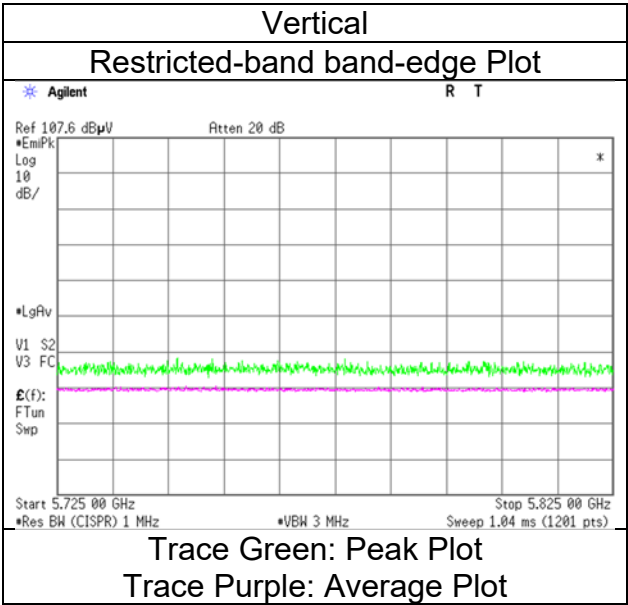
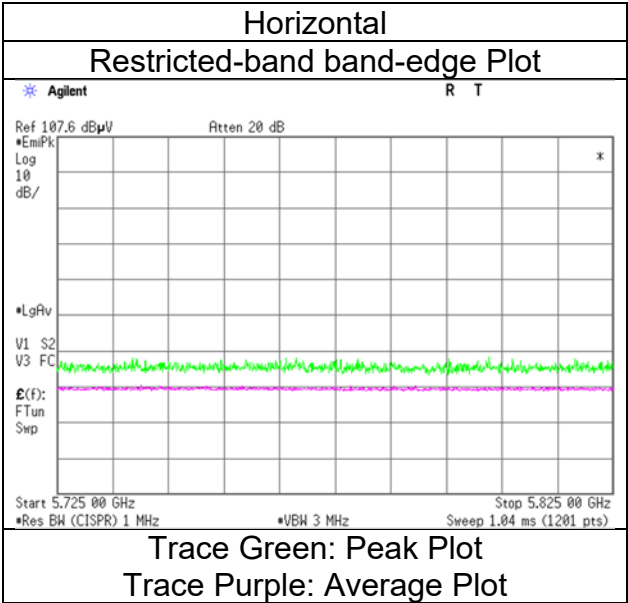
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [52-tone RU/Index 52] 5610 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 60] 5610 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	42.0	-	32.4	6.2	31.0	-	49.5	-	68.2	-	18.7	-	
Vert.	5725.0	41.9	-	32.4	6.2	31.0	-	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.

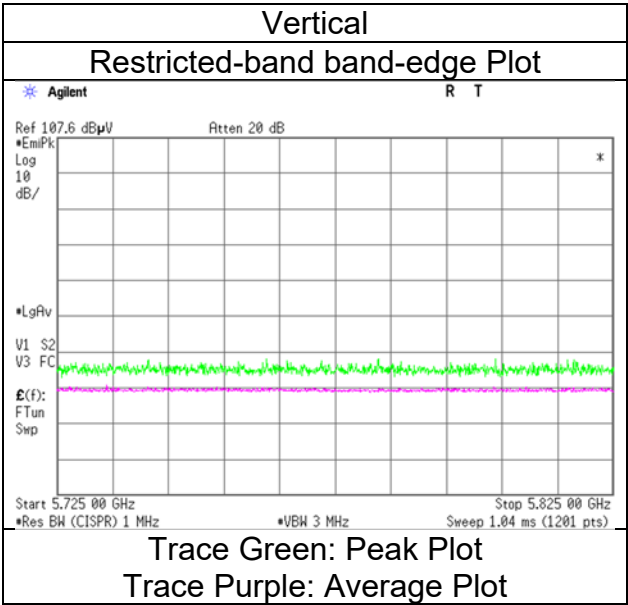
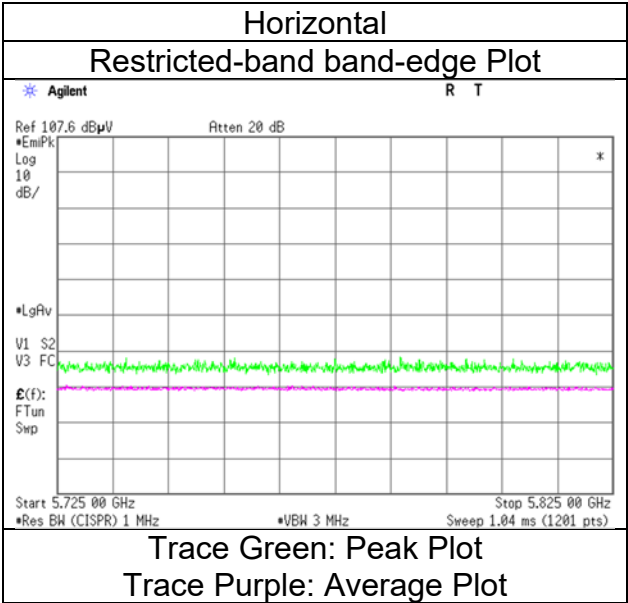
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 60] 5610 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [242-tone RU/Index 64] 5610 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.	5725.0	42.2	-	32.4	6.2	31.0	-	49.7	-	68.2	-	18.5	-	
Vert.	5725.0	42.0	-	32.4	6.2	31.0	-	49.5	-	68.2	-	18.7	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.

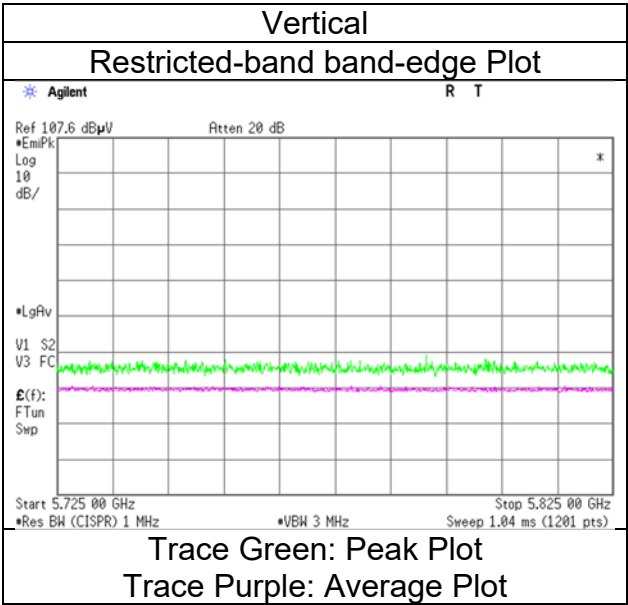
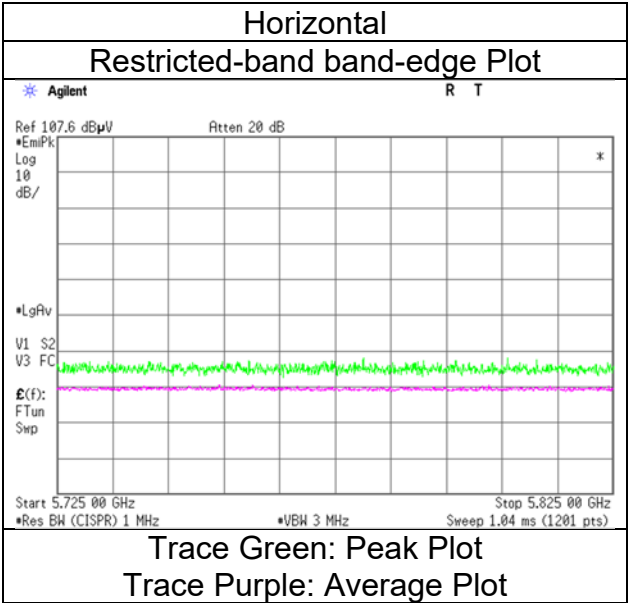
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [242-tone RU/Index 64] 5610 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [484-tone RU/Index 66] 5610 MHz

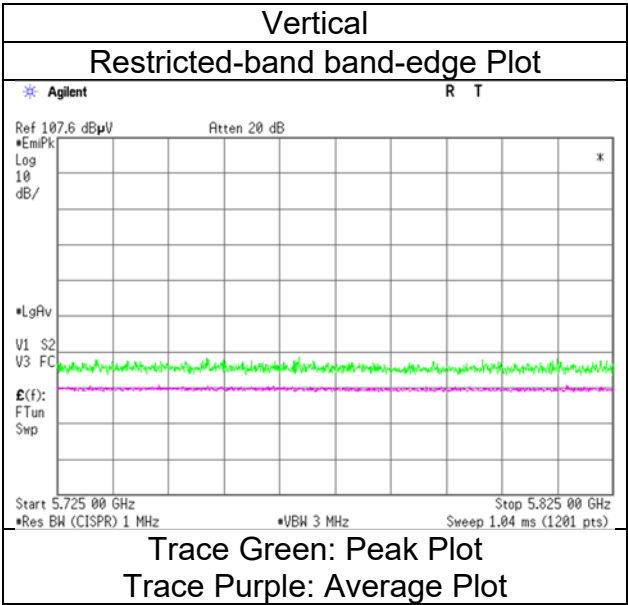
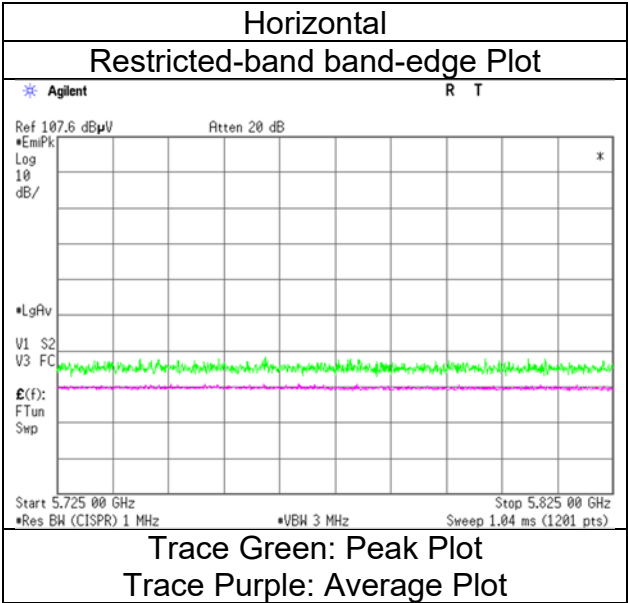
Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	42.2	-	32.4	6.2	31.0	-	49.7	-	68.2	-	18.5	-	
Vert.	5725.0	42.1	-	32.4	6.2	31.0	-	49.6	-	68.2	-	18.6	-	

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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [484-tone RU/Index 66] 5610 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [996-tone RU/Index 67] 5610 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.	5725.0	42.4	-	32.4	6.2	31.0	-	49.9	-	68.2	-	18.3	-	
Vert.	5725.0	42.3	-	32.4	6.2	31.0	-	49.8	-	68.2	-	18.4	-	

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.

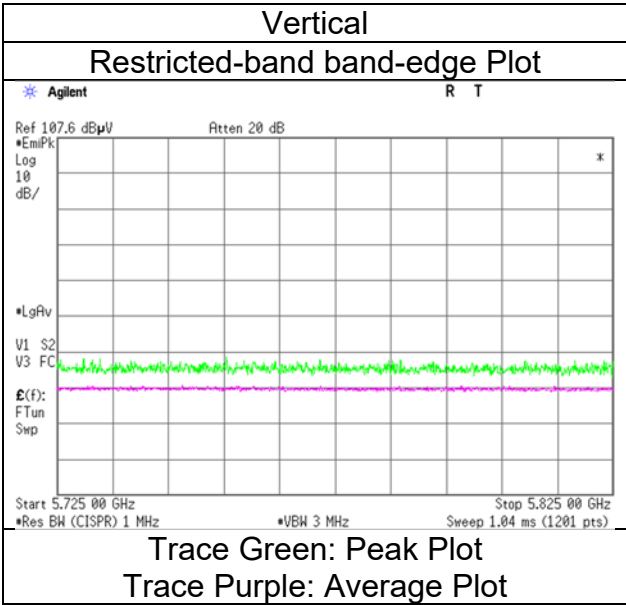
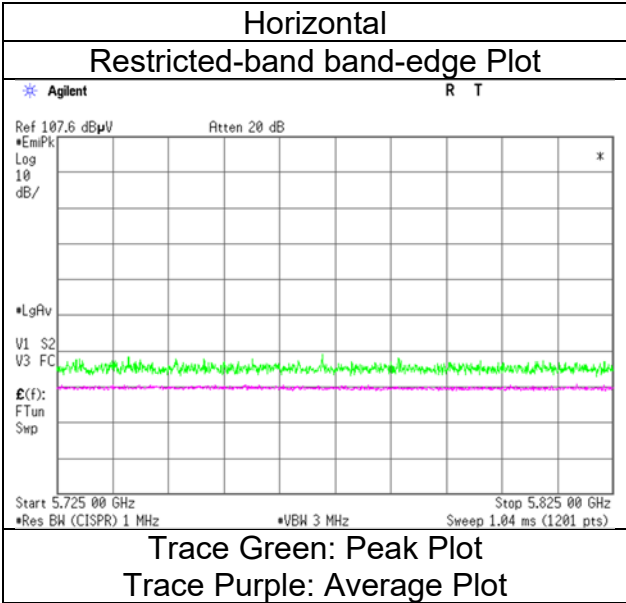
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [996-tone RU/Index 67] 5610 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
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 0] 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	-	32.2	6.1	31.0	-	48.0	-	68.2	-	20.2	-	
Hori.	5700.0	41.9	-	32.3	6.2	31.0	-	49.3	-	105.2	-	55.9	-	
Hori.	5720.0	43.8	-	32.3	6.2	31.0	-	51.3	-	110.8	-	59.5	-	
Hori.	5725.0	43.5	-	32.4	6.2	31.0	-	51.0	-	122.2	-	71.2	-	
Vert.	5650.0	40.8	-	32.2	6.1	31.0	-	48.1	-	68.2	-	20.1	-	
Vert.	5700.0	41.0	-	32.3	6.2	31.0	-	48.4	-	105.2	-	56.8	-	
Vert.	5720.0	44.8	-	32.3	6.2	31.0	-	52.3	-	110.8	-	58.5	-	
Vert.	5725.0	46.7	-	32.4	6.2	31.0	-	54.2	-	122.2	-	68.0	-	

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.

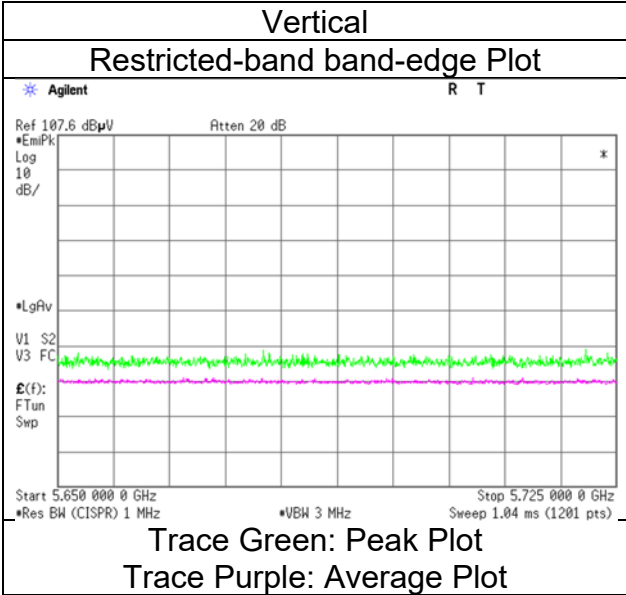
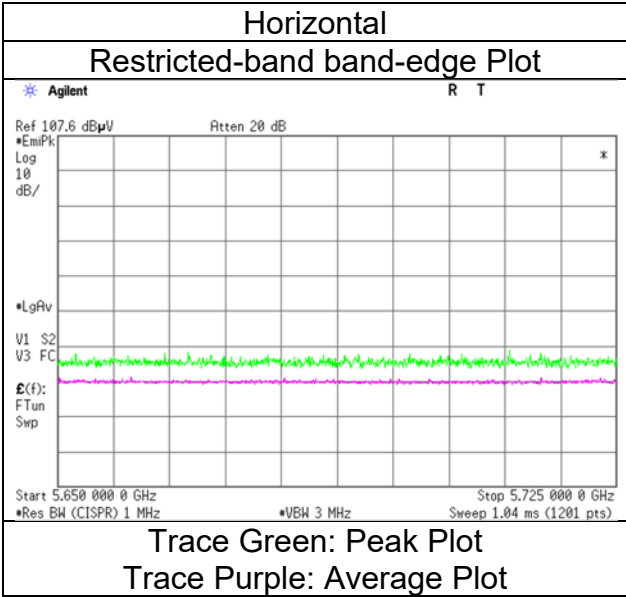
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [26-tone RU/Index 0] 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
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [52-tone RU/Index 37] 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	41.5	-	32.2	6.1	31.0	-	48.8	-	68.2	-	19.4	-	
Hori.	5700.0	41.0	-	32.3	6.2	31.0	-	48.4	-	105.2	-	56.8	-	
Hori.	5720.0	47.4	-	32.3	6.2	31.0	-	54.9	-	110.8	-	55.9	-	
Hori.	5725.0	45.0	-	32.4	6.2	31.0	-	52.5	-	122.2	-	69.7	-	
Vert.	5650.0	41.0	-	32.2	6.1	31.0	-	48.3	-	68.2	-	19.9	-	
Vert.	5700.0	41.0	-	32.3	6.2	31.0	-	48.4	-	105.2	-	56.8	-	
Vert.	5720.0	46.2	-	32.3	6.2	31.0	-	53.7	-	110.8	-	57.1	-	
Vert.	5725.0	45.8	-	32.4	6.2	31.0	-	53.3	-	122.2	-	68.9	-	

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.

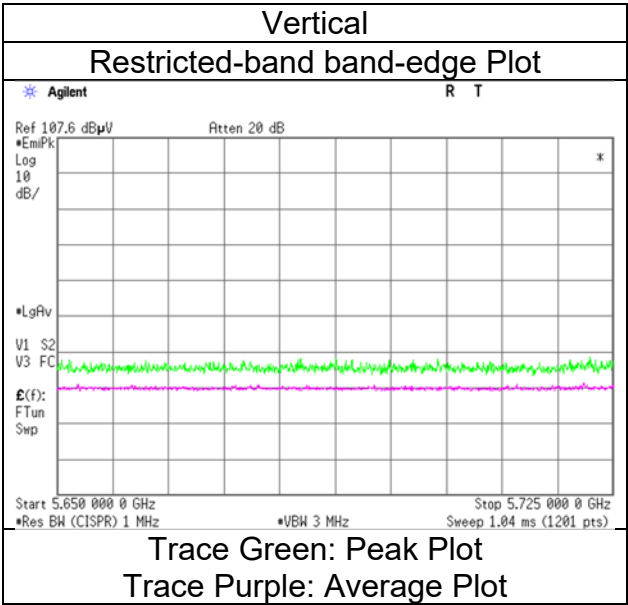
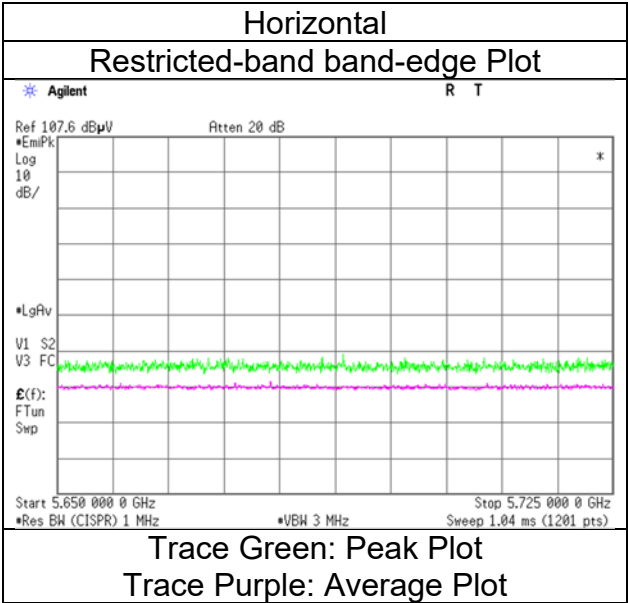
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [52-tone RU/Index 37] 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
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 53] 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	41.9	-	32.2	6.1	31.0	-	49.2	-	68.2	-	19.0	-	
Hori.	5700.0	42.1	-	32.3	6.2	31.0	-	49.5	-	105.2	-	55.7	-	
Hori.	5720.0	47.5	-	32.3	6.2	31.0	-	55.0	-	110.8	-	55.8	-	
Hori.	5725.0	47.5	-	32.4	6.2	31.0	-	55.0	-	122.2	-	67.2	-	
Vert.	5650.0	41.1	-	32.2	6.1	31.0	-	48.4	-	68.2	-	19.8	-	
Vert.	5700.0	41.0	-	32.3	6.2	31.0	-	48.4	-	105.2	-	56.8	-	
Vert.	5720.0	46.8	-	32.3	6.2	31.0	-	54.3	-	110.8	-	56.5	-	
Vert.	5725.0	45.8	-	32.4	6.2	31.0	-	53.3	-	122.2	-	68.9	-	

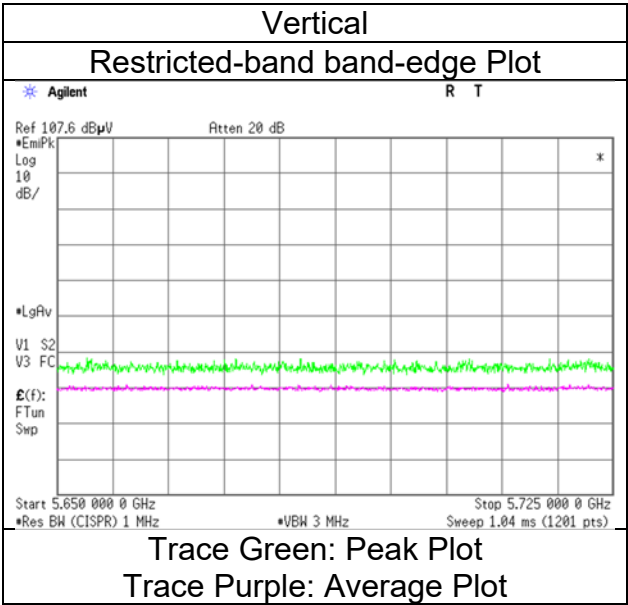
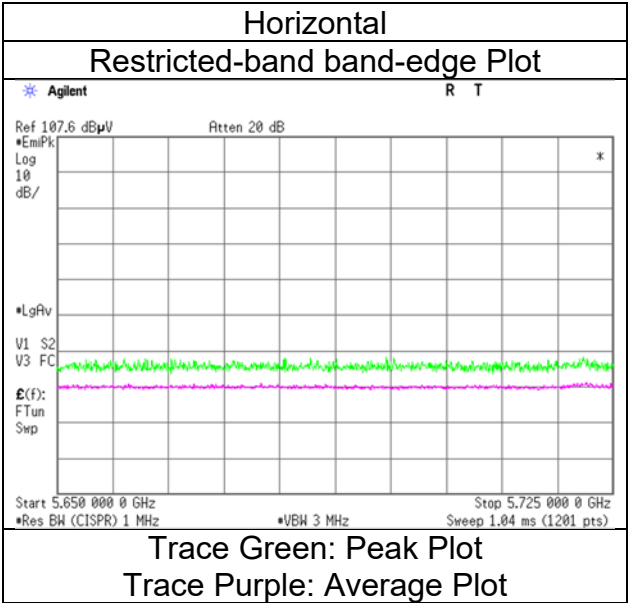
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [106-tone RU/Index 53] 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	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [242-tone RU/Index 61] 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	42.8	-	32.2	6.1	31.0	-	50.1	-	68.2	-	18.1	-	
Hori.	5700.0	42.8	-	32.3	6.2	31.0	-	50.2	-	105.2	-	55.0	-	
Hori.	5720.0	50.8	-	32.3	6.2	31.0	-	58.3	-	110.8	-	52.5	-	
Hori.	5725.0	48.5	-	32.4	6.2	31.0	-	56.0	-	122.2	-	66.2	-	
Vert.	5650.0	42.0	-	32.2	6.1	31.0	-	49.3	-	68.2	-	18.9	-	
Vert.	5700.0	41.8	-	32.3	6.2	31.0	-	49.2	-	105.2	-	56.0	-	
Vert.	5720.0	49.3	-	32.3	6.2	31.0	-	56.8	-	110.8	-	54.0	-	
Vert.	5725.0	46.6	-	32.4	6.2	31.0	-	54.1	-	122.2	-	68.1	-	

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

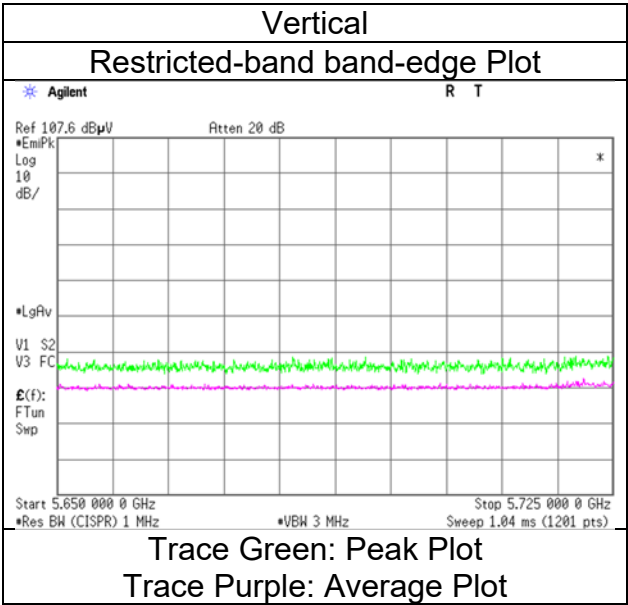
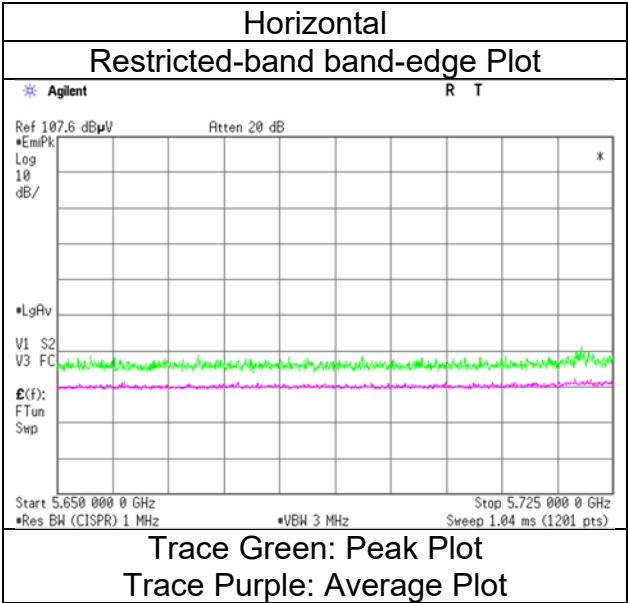
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-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	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-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	41.9	-	32.2	6.1	31.0	-	49.2	-	68.2	-	19.0	-	
Hori.	5700.0	42.1	-	32.3	6.2	31.0	-	49.5	-	105.2	-	55.7	-	
Hori.	5720.0	49.6	-	32.3	6.2	31.0	-	57.1	-	110.8	-	53.7	-	
Hori.	5725.0	47.6	-	32.4	6.2	31.0	-	55.1	-	122.2	-	67.1	-	
Vert.	5650.0	42.1	-	32.2	6.1	31.0	-	49.4	-	68.2	-	18.8	-	
Vert.	5700.0	42.3	-	32.3	6.2	31.0	-	49.7	-	105.2	-	55.5	-	
Vert.	5720.0	49.4	-	32.3	6.2	31.0	-	56.9	-	110.8	-	53.9	-	
Vert.	5725.0	48.0	-	32.4	6.2	31.0	-	55.5	-	122.2	-	66.7	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.

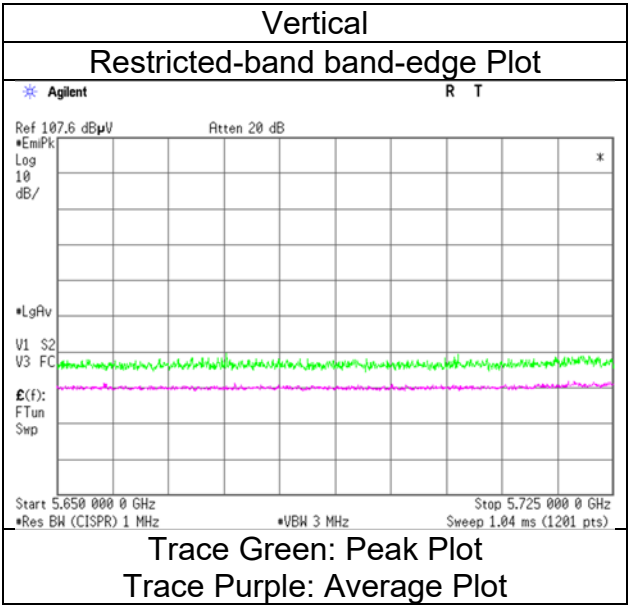
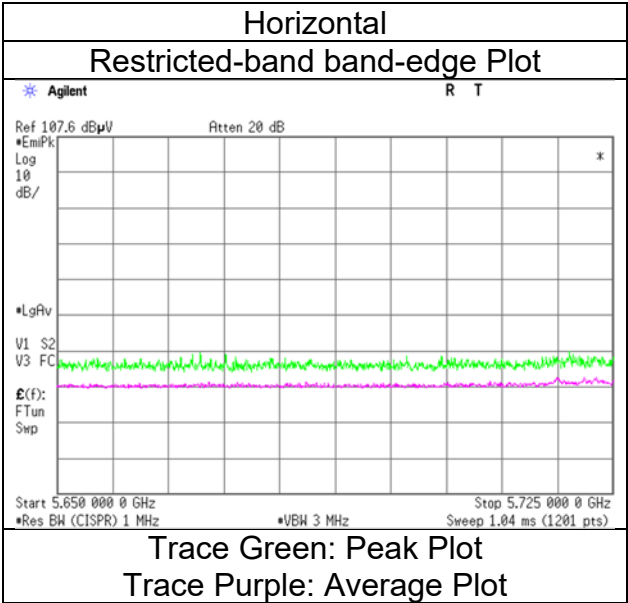
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-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
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-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	41.3	-	32.7	6.2	31.1	-	49.1	-	122.2	-	73.1	-	
Hori.	5855.0	40.5	-	32.7	6.2	31.1	-	48.3	-	110.8	-	62.5	-	
Hori.	5875.0	40.4	-	32.7	6.2	31.1	-	48.3	-	105.2	-	56.9	-	
Hori.	5925.0	41.0	-	32.8	6.2	31.1	-	48.9	-	68.2	-	19.3	-	
Vert.	5850.0	40.5	-	32.7	6.2	31.1	-	48.3	-	122.2	-	73.9	-	
Vert.	5855.0	40.1	-	32.7	6.2	31.1	-	47.9	-	110.8	-	62.9	-	
Vert.	5875.0	41.1	-	32.7	6.2	31.1	-	49.0	-	105.2	-	56.2	-	
Vert.	5925.0	40.5	-	32.8	6.2	31.1	-	48.4	-	68.2	-	19.8	-	

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.

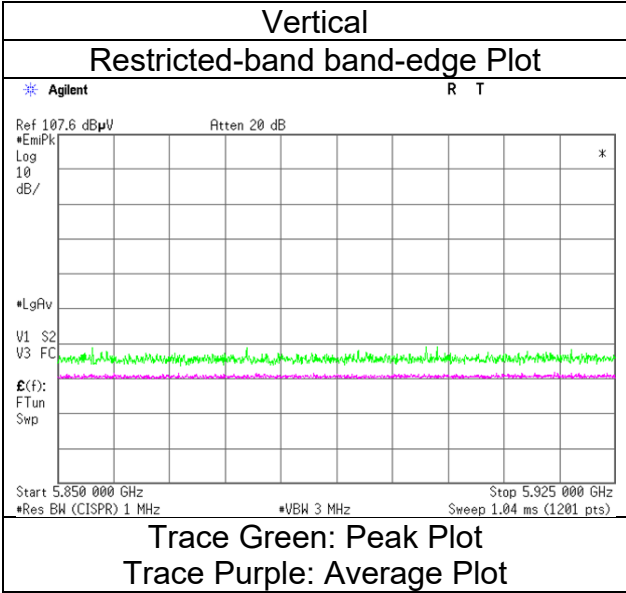
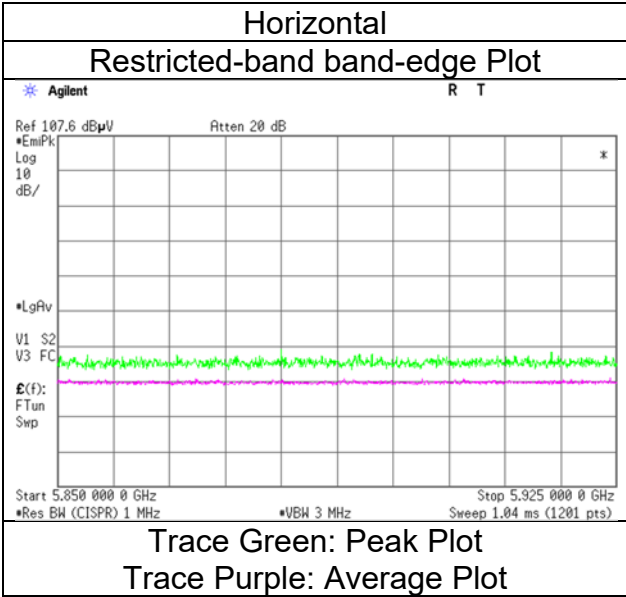
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-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	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka (1 GHz to 6 GHz)
Mode	Tx 11be-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	41.0	-	32.7	6.2	31.1	-	48.8	-	122.2	-	73.4	-	
Hori.	5855.0	41.5	-	32.7	6.2	31.1	-	49.3	-	110.8	-	61.5	-	
Hori.	5875.0	40.6	-	32.7	6.2	31.1	-	48.5	-	105.2	-	56.7	-	
Hori.	5925.0	40.8	-	32.8	6.2	31.1	-	48.7	-	68.2	-	19.5	-	
Vert.	5850.0	40.9	-	32.7	6.2	31.1	-	48.7	-	122.2	-	73.5	-	
Vert.	5855.0	40.8	-	32.7	6.2	31.1	-	48.6	-	110.8	-	62.2	-	
Vert.	5875.0	41.0	-	32.7	6.2	31.1	-	48.9	-	105.2	-	56.3	-	
Vert.	5925.0	40.7	-	32.8	6.2	31.1	-	48.6	-	68.2	-	19.6	-	

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.

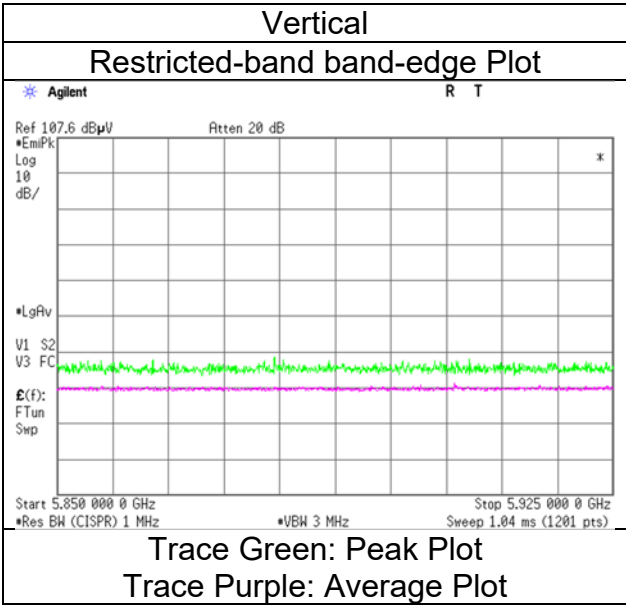
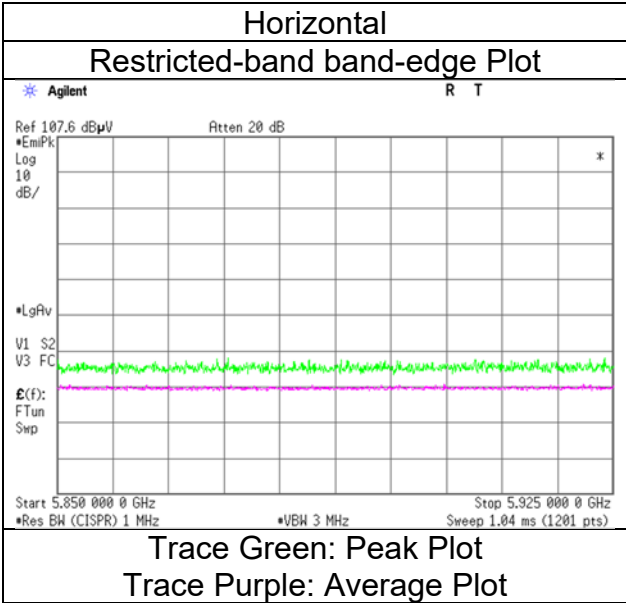
Distance factor: 1 GHz - 6 GHz $20\log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-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	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [106-tone RU/Index 60] 5775 MHz

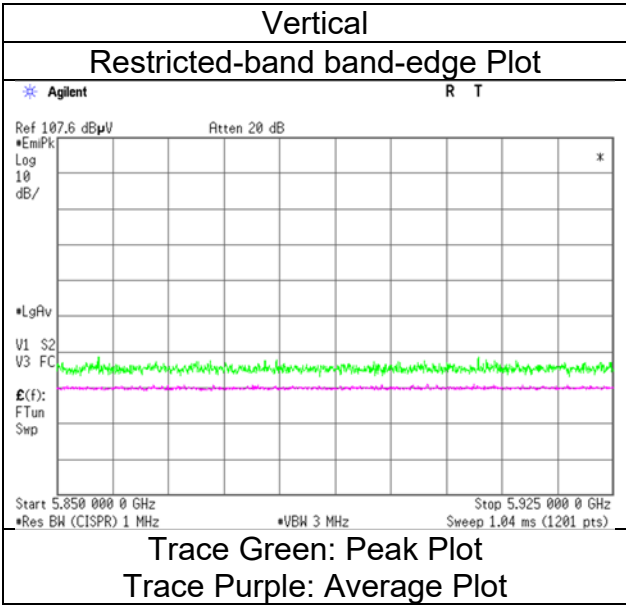
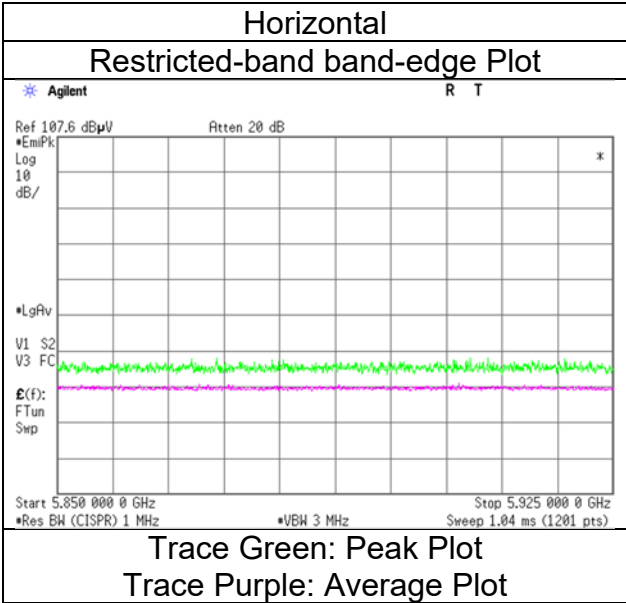
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	40.5	-	32.7	6.2	31.1	-	48.3	-	122.2	-	73.9	-	
Hori.	5855.0	40.9	-	32.7	6.2	31.1	-	48.7	-	110.8	-	62.1	-	
Hori.	5875.0	41.0	-	32.7	6.2	31.1	-	48.9	-	105.2	-	56.3	-	
Hori.	5925.0	40.9	-	32.8	6.2	31.1	-	48.8	-	68.2	-	19.4	-	
Vert.	5850.0	41.4	-	32.7	6.2	31.1	-	49.2	-	122.2	-	73.0	-	
Vert.	5855.0	40.6	-	32.7	6.2	31.1	-	48.4	-	110.8	-	62.4	-	
Vert.	5875.0	41.0	-	32.7	6.2	31.1	-	48.9	-	105.2	-	56.3	-	
Vert.	5925.0	41.0	-	32.8	6.2	31.1	-	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 - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-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	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-80 [242-tone RU/Index 64] 5775 MHz

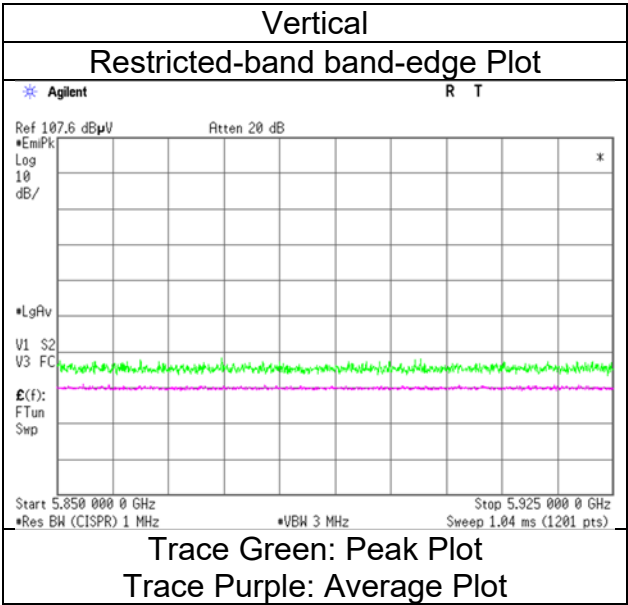
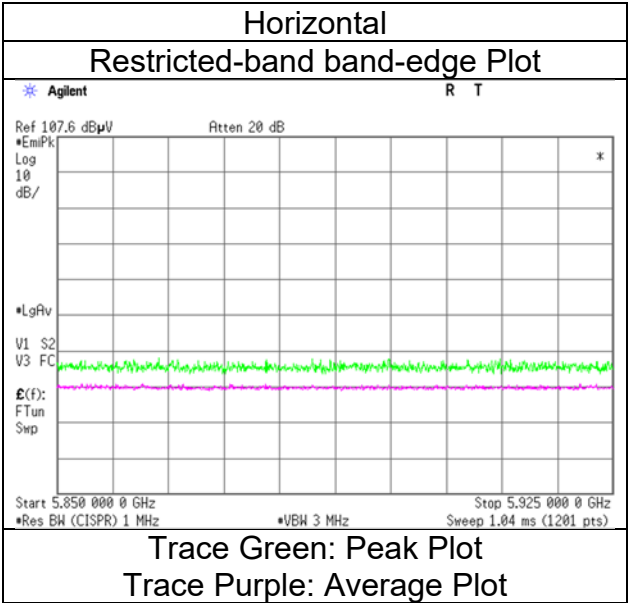
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	42.4	-	32.7	6.2	31.1	-	50.2	-	122.2	-	72.0	-	
Hori.	5855.0	42.4	-	32.7	6.2	31.1	-	50.2	-	110.8	-	60.6	-	
Hori.	5875.0	42.0	-	32.7	6.2	31.1	-	49.9	-	105.2	-	55.3	-	
Hori.	5925.0	41.7	-	32.8	6.2	31.1	-	49.6	-	68.2	-	18.6	-	
Vert.	5850.0	41.6	-	32.7	6.2	31.1	-	49.4	-	122.2	-	72.8	-	
Vert.	5855.0	41.1	-	32.7	6.2	31.1	-	48.9	-	110.8	-	61.9	-	
Vert.	5875.0	41.1	-	32.7	6.2	31.1	-	49.0	-	105.2	-	56.2	-	
Vert.	5925.0	41.4	-	32.8	6.2	31.1	-	49.3	-	68.2	-	18.9	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-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
February 9, 2024
23 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-80 [484-tone RU/Index 66] 5775 MHz

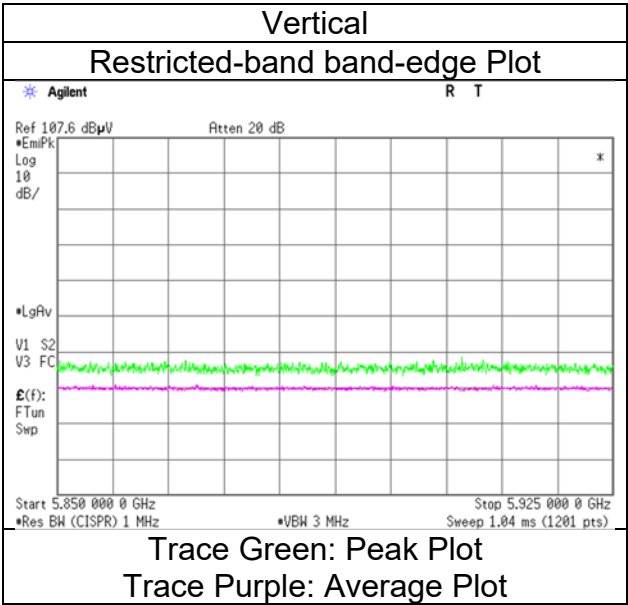
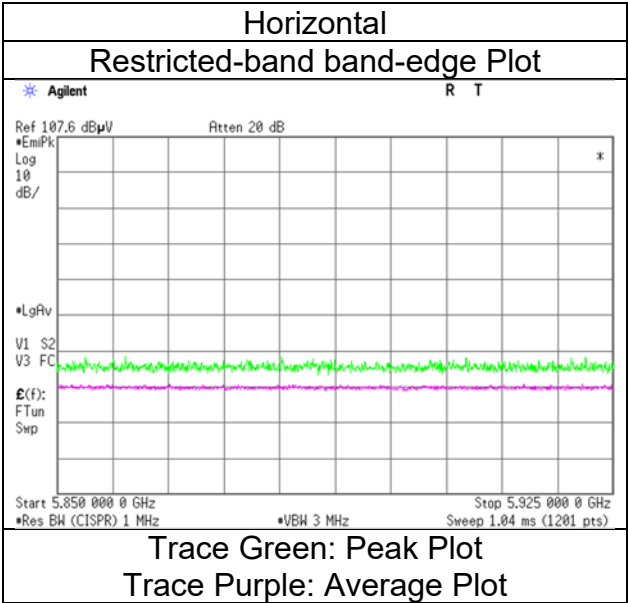
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	42.8	-	32.7	6.2	31.1	-	50.6	-	122.2	-	71.6	-	
Hori.	5855.0	42.4	-	32.7	6.2	31.1	-	50.2	-	110.8	-	60.6	-	
Hori.	5875.0	41.7	-	32.7	6.2	31.1	-	49.6	-	105.2	-	55.6	-	
Hori.	5925.0	41.6	-	32.8	6.2	31.1	-	49.5	-	68.2	-	18.7	-	
Vert.	5850.0	41.9	-	32.7	6.2	31.1	-	49.7	-	122.2	-	72.5	-	
Vert.	5855.0	41.0	-	32.7	6.2	31.1	-	48.8	-	110.8	-	62.0	-	
Vert.	5875.0	40.6	-	32.7	6.2	31.1	-	48.5	-	105.2	-	56.7	-	
Vert.	5925.0	40.7	-	32.8	6.2	31.1	-	48.6	-	68.2	-	19.6	-	

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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-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	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-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	42.7	-	32.2	6.1	31.0	-	50.0	-	68.2	-	18.2	-	
Hori.	5700.0	45.4	-	32.3	6.2	31.0	-	52.8	-	105.2	-	52.4	-	
Hori.	5720.0	45.5	-	32.3	6.2	31.0	-	53.0	-	110.8	-	57.8	-	
Hori.	5725.0	46.1	-	32.4	6.2	31.0	-	53.6	-	122.2	-	68.6	-	
Hori.	5850.0	44.0	-	32.7	6.2	31.1	-	51.8	-	122.2	-	70.4	-	
Hori.	5855.0	43.3	-	32.7	6.2	31.1	-	51.1	-	110.8	-	59.7	-	
Hori.	5875.0	42.8	-	32.7	6.2	31.1	-	50.7	-	105.2	-	54.5	-	
Hori.	5925.0	41.3	-	32.8	6.2	31.1	-	49.2	-	68.2	-	19.0	-	
Vert.	5650.0	41.6	-	32.2	6.1	31.0	-	48.9	-	68.2	-	19.3	-	
Vert.	5700.0	43.0	-	32.3	6.2	31.0	-	50.4	-	105.2	-	54.8	-	
Vert.	5720.0	43.1	-	32.3	6.2	31.0	-	50.6	-	110.8	-	60.2	-	
Vert.	5725.0	43.3	-	32.4	6.2	31.0	-	50.8	-	122.2	-	71.4	-	
Vert.	5850.0	42.9	-	32.7	6.2	31.1	-	50.7	-	122.2	-	71.5	-	
Vert.	5855.0	42.1	-	32.7	6.2	31.1	-	49.9	-	110.8	-	60.9	-	
Vert.	5875.0	41.4	-	32.7	6.2	31.1	-	49.3	-	105.2	-	55.9	-	
Vert.	5925.0	41.1	-	32.8	6.2	31.1	-	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

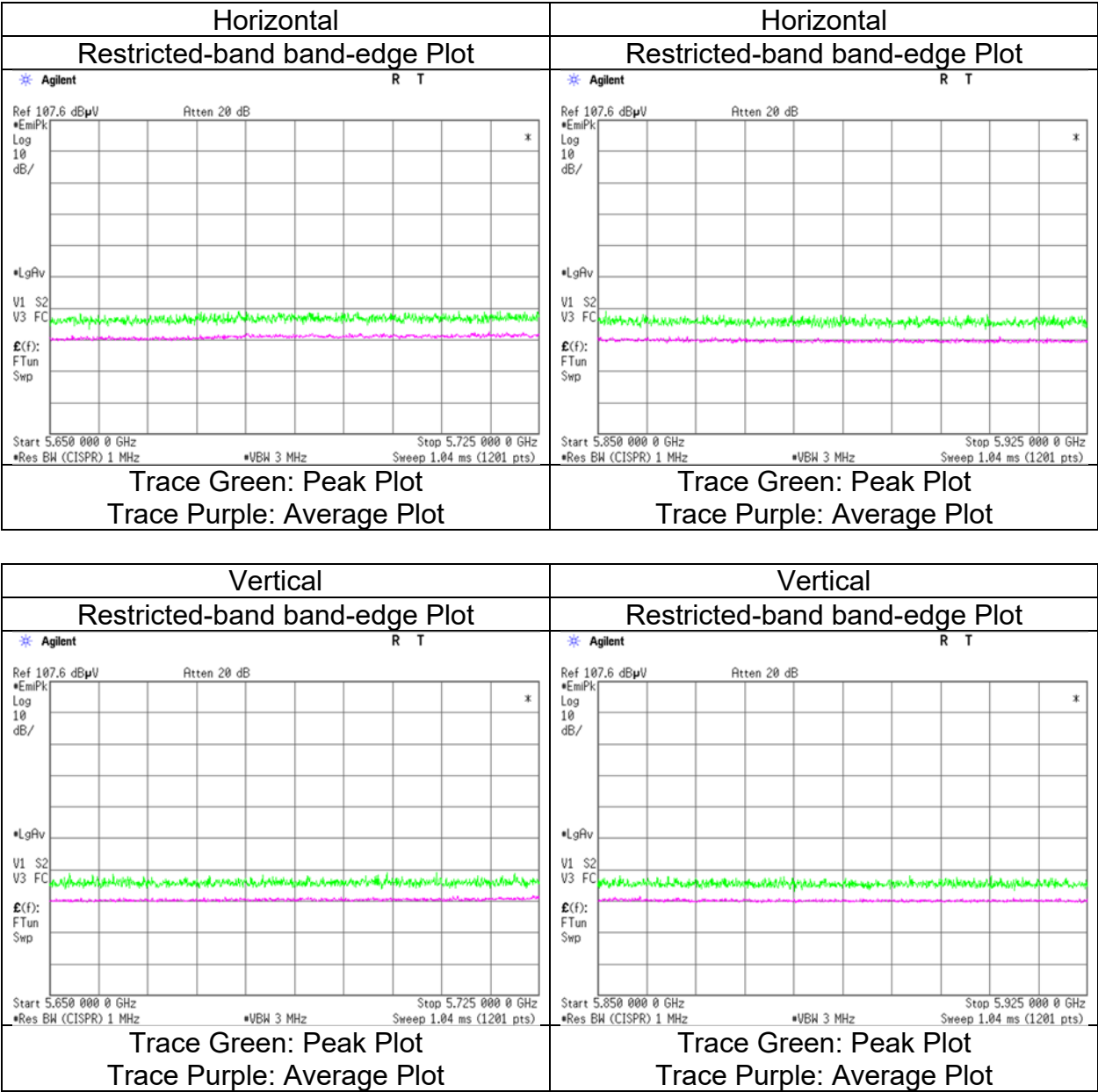
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 37 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-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 No.4 No.4
Date January 31, 2024 February 1, 2024 February 2, 2024 February 5, 2024
Temperature / Humidity 24 deg. C / 45 % RH 21 deg. C / 45 % RH 21 deg. C / 36 % RH 21 deg. C / 43 % RH
Engineer Yuichiro Yamazaki Tomohisa Nakagawa Tomohisa Nakagawa Tetsuro Yoshida
 (26.5 GHz to 40 GHz) (18 GHz to 26.5 GHz) (10 GHz to 18 GHz) (1 GHz to 6 GHz)

Semi Anechoic Chamber No.4
Date February 10, 2024
Temperature / Humidity 20 deg. C / 37 % RH
Engineer Tetsuro Yoshida
 (6 GHz to 10 GHz)
Mode Tx 11be-160 [OFDM] 5250 MHz

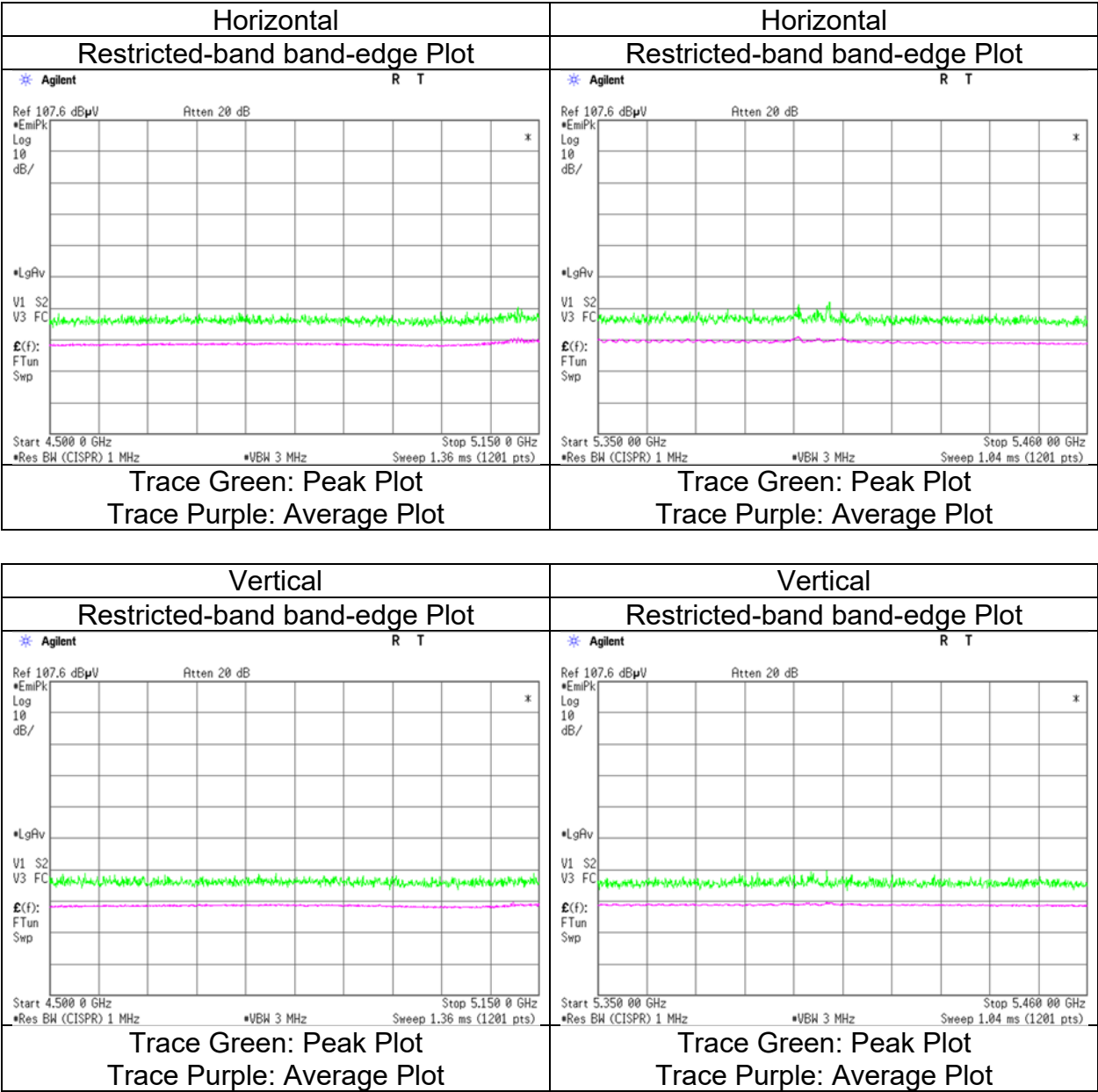
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	46.4	35.4	32.1	5.9	30.9	0.2	53.6	42.8	73.9	53.9	20.3	11.1	*1)
Hori.	5350.0	46.5	35.4	31.8	6.0	30.9	0.2	53.3	42.4	73.9	53.9	20.6	11.5	*1)
Hori.	10500.0	42.4	-	36.2	-0.5	32.6	-	45.5	-	68.2	-	22.8	-	Floor noise
Hori.	15750.0	44.7	37.1	39.7	1.1	32.2	-	53.2	45.7	73.9	53.9	20.7	8.2	Floor noise
Vert.	5150.0	44.4	34.1	32.1	5.9	30.9	0.2	51.6	41.4	73.9	53.9	22.3	12.5	*1)
Vert.	5350.0	43.2	32.3	31.8	6.0	30.9	0.2	50.0	39.3	73.9	53.9	23.9	14.6	*1)
Vert.	10500.0	43.6	-	36.2	-0.5	32.6	-	46.7	-	68.2	-	21.6	-	Floor noise
Vert.	15750.0	44.4	35.8	39.7	1.1	32.2	-	53.0	44.4	73.9	53.9	20.9	9.5	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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 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	February 5, 2024
Temperature / Humidity	21 deg. C / 43 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [OFDM] 5250 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 No.4 No.4
Date January 31, 2024 February 1, 2024 February 4, 2024 February 6, 2024
Temperature / Humidity 24 deg. C / 45 % RH 21 deg. C / 45 % RH 21 deg. C / 40 % RH 21 deg. C / 40 % RH
Engineer Yuichiro Yamazaki Tomohisa Nakagawa Tomohisa Nakagawa Hiroyuki Furutaka
 (26.5 GHz to 40 GHz) (18 GHz to 26.5 GHz) (10 GHz to 18 GHz) (1 GHz to 6 GHz)

Semi Anechoic Chamber No.4
Date February 10, 2024
Temperature / Humidity 20 deg. C / 37 % RH
Engineer Tetsuro Yoshida
 (6 GHz to 10 GHz)
Mode Tx 11be-160 [OFDM] 5570 MHz

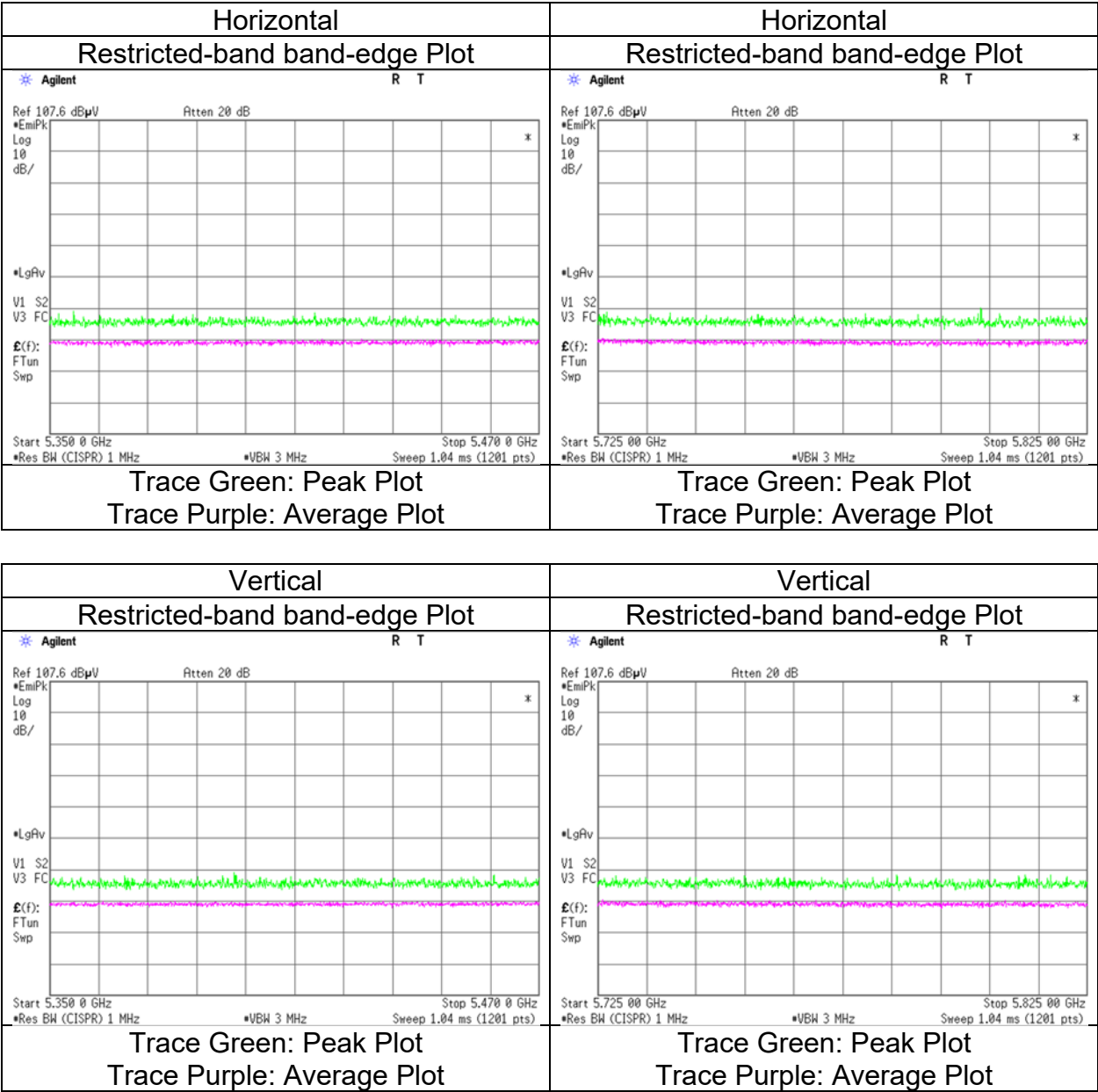
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	43.5	35.0	32.0	6.2	30.9	0.2	50.7	42.3	68.2	53.9	17.5	11.6	*1)
Hori.	5470.0	43.6	-	32.0	6.2	30.9	-	50.8	-	68.2	-	17.4	-	
Hori.	5725.0	41.9	-	32.4	6.3	31.0	-	49.5	-	68.2	-	18.7	-	
Hori.	11140.0	42.6	34.8	37.4	-0.2	32.8	-	47.0	39.2	73.9	53.9	26.9	14.8	Floor noise
Hori.	16710.0	44.0	-	39.7	1.5	32.3	-	52.8	-	68.2	-	15.4	-	Floor noise
Vert.	5460.0	42.7	32.6	32.0	6.2	30.9	0.2	49.9	39.9	68.2	53.9	18.3	14.0	*1)
Vert.	5470.0	43.0	-	32.0	6.2	30.9	-	50.2	-	68.2	-	18.0	-	
Vert.	5725.0	44.3	-	32.4	6.3	31.0	-	51.9	-	68.2	-	16.3	-	
Vert.	11140.0	43.1	34.7	37.4	-0.2	32.8	-	47.5	39.1	73.9	53.9	26.4	14.8	Floor noise
Vert.	16710.0	43.9	-	39.7	1.5	32.3	-	52.7	-	68.2	-	15.5	-	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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 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	February 6, 2024
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [OFDM] 5570 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 February 8, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Tetsuro Yoshida
(1 GHz to 6 GHz)
Mode Tx 11be-160 [26-tone RU/Segment 0/Index 0] 5250 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.	5150.0	41.1	31.3	32.1	5.9	30.9	0.5	48.4	39.0	73.9	53.9	25.6	14.9	*1)
Vert.	5150.0	41.0	31.1	32.1	5.9	30.9	0.5	48.2	38.9	73.9	53.9	25.7	15.0	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

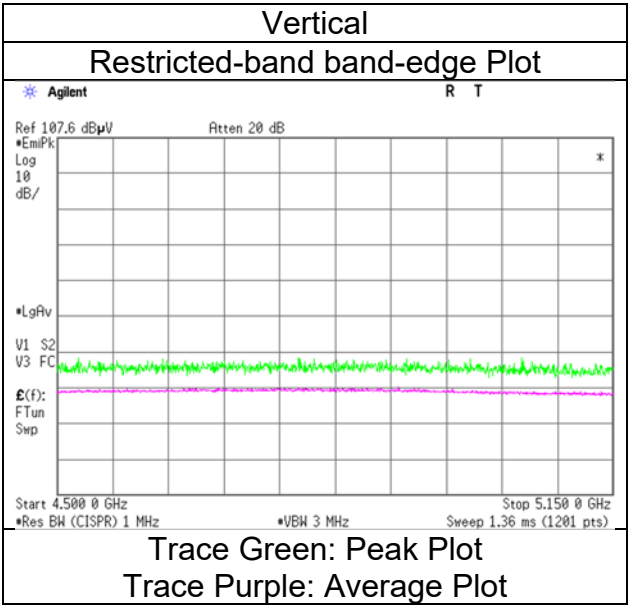
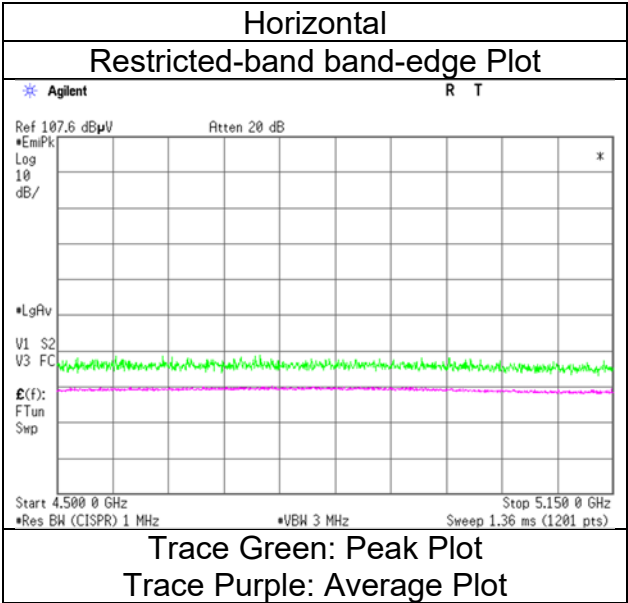
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 0/Index 0] 5250 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 February 8, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Tetsuro Yoshida
(1 GHz to 6 GHz)
Mode Tx 11be-160 [52-tone RU/Segment 0/Index 37] 5250 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.	5150.0	41.7	31.8	32.1	5.9	30.9	0.6	48.9	39.5	73.9	53.9	25.0	14.4	*1)
Vert.	5150.0	41.5	31.9	32.1	5.9	30.9	0.6	48.7	39.6	73.9	53.9	25.2	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)

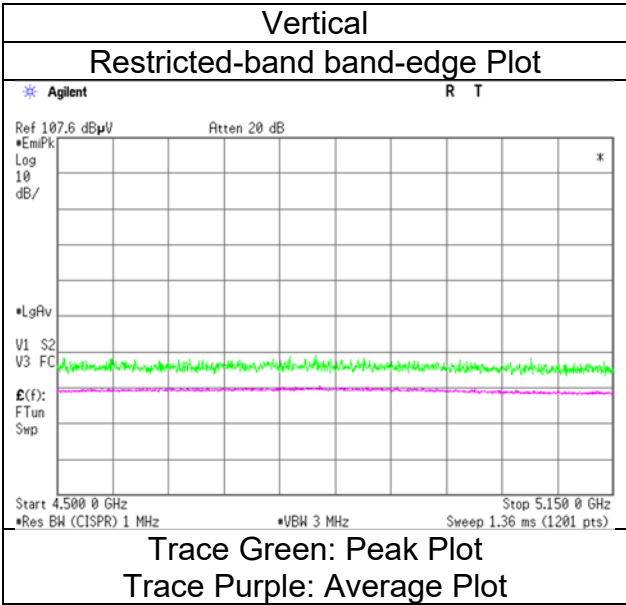
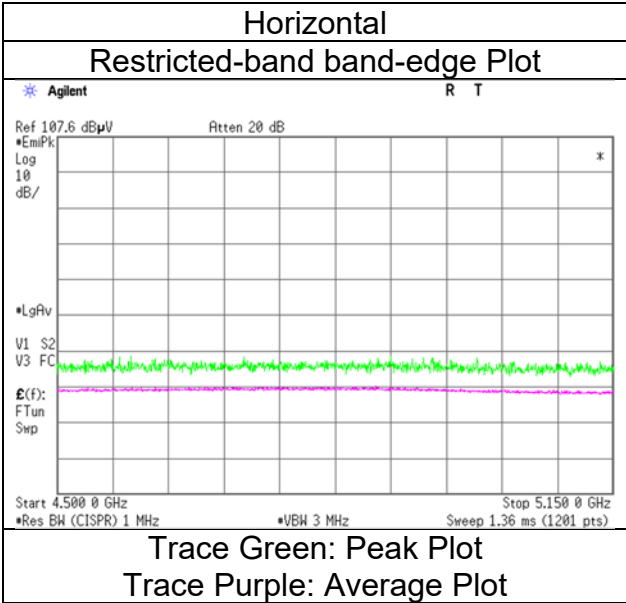
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [52-tone RU/Segment 0/Index 37] 5250 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [106-tone RU/Segment 0/Index 53] 5250 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	42.2	32.2	32.1	5.9	30.9	0.6	49.4	40.0	73.9	53.9	24.5	13.9	*1)
Vert.	5150.0	42.0	32.1	32.1	5.9	30.9	0.6	49.2	39.9	73.9	53.9	24.7	14.0	*1)

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

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

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

*QP detector was used up to 1GHz

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

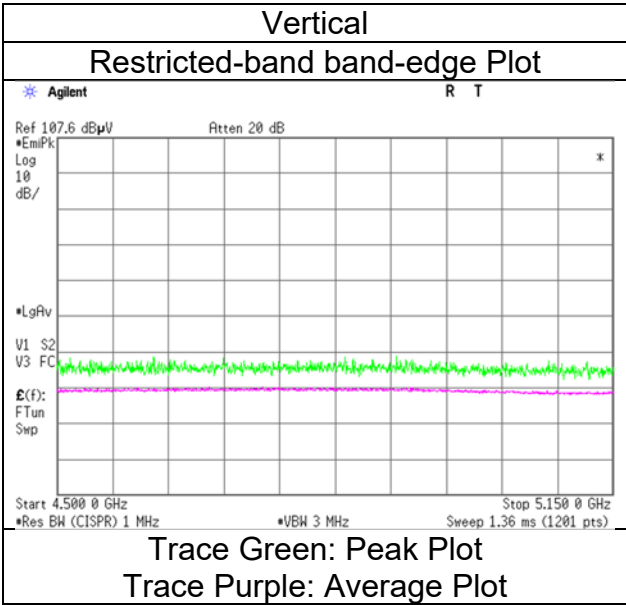
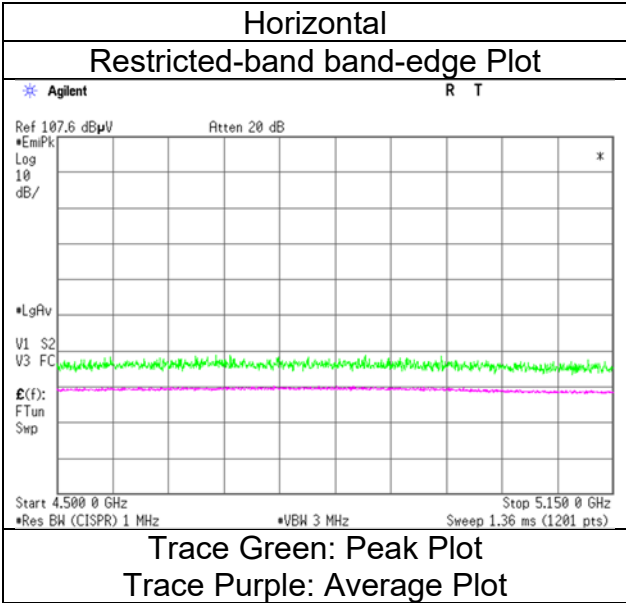
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [106-tone RU/Segment 0/Index 53] 5250 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [242-tone RU/Segment 0/Index 61] 5250 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.	5150.0	42.9	32.8	32.1	5.9	30.9	0.7	50.1	40.7	73.9	53.9	23.8	13.2	*1)
Vert.	5150.0	42.5	32.7	32.1	5.9	30.9	0.7	49.7	40.5	73.9	53.9	24.2	13.4	*1)

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

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

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

*QP detector was used up to 1GHz

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

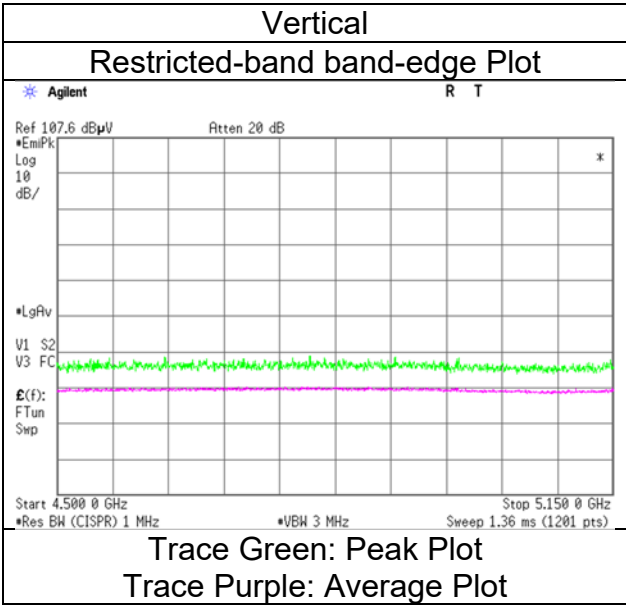
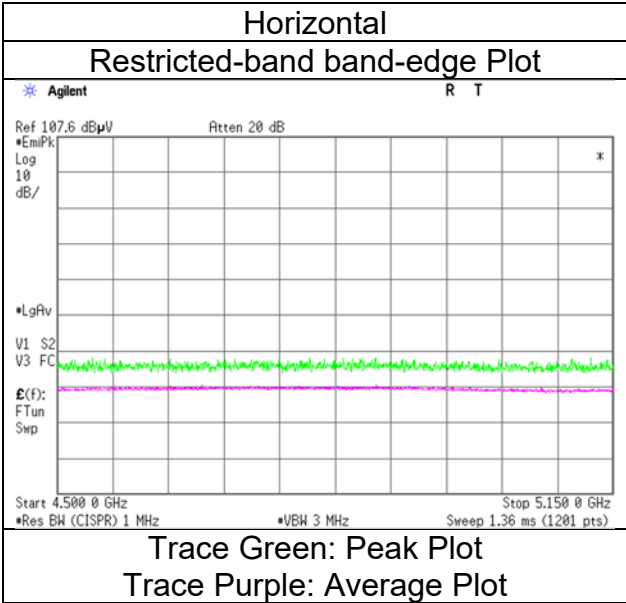
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [242-tone RU/Segment 0/Index 61] 5250 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [484-tone RU/Segment 0/Index 65] 5250 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.	5150.0	45.0	33.1	32.1	5.9	30.9	0.7	52.2	41.0	73.9	53.9	21.7	12.9	*1)
Vert.	5150.0	44.8	33.0	32.1	5.9	30.9	0.7	52.0	40.9	73.9	53.9	21.9	13.0	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

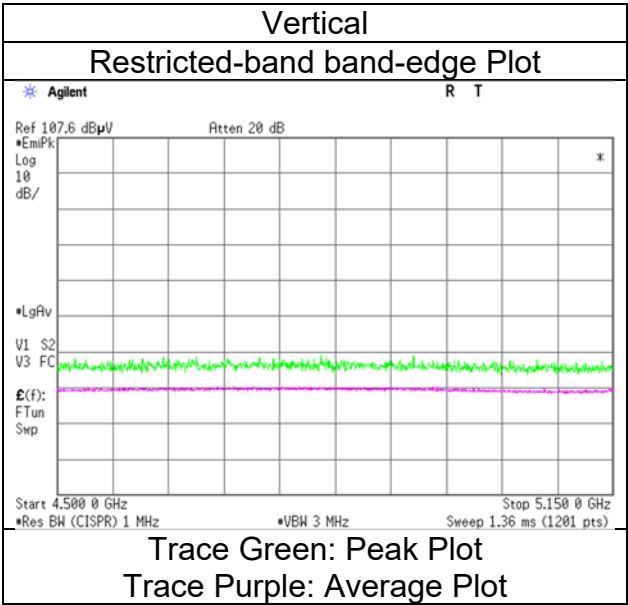
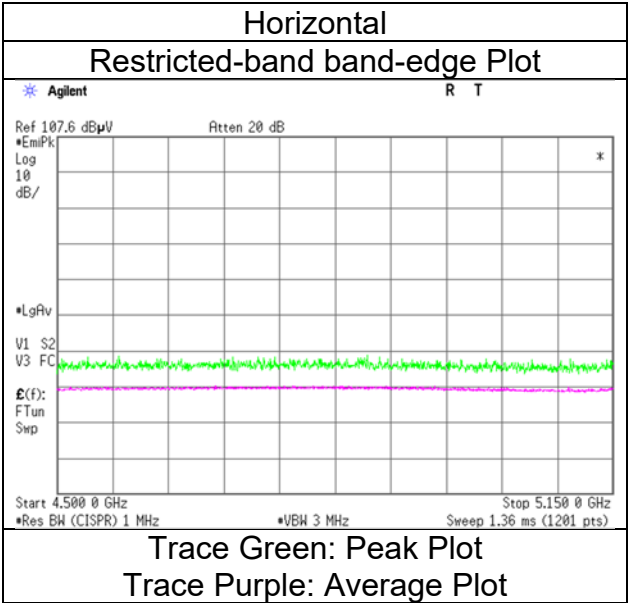
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [484-tone RU/Segment 0/Index 65] 5250 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [996-tone RU/Segment 0/Index 67] 5250 MHz

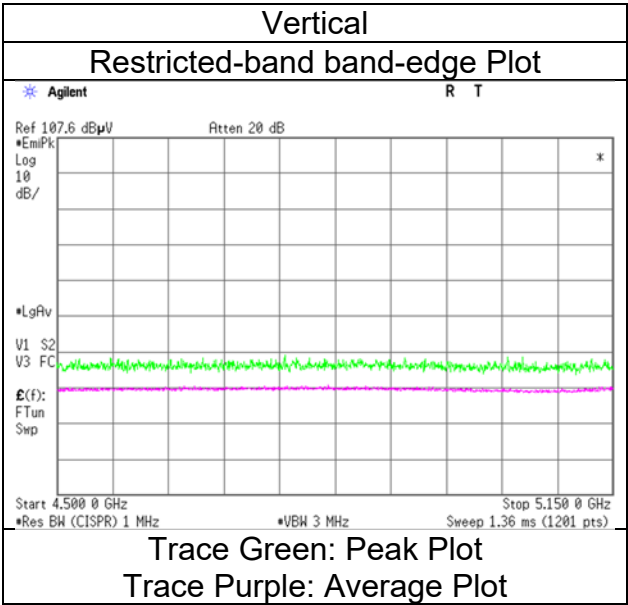
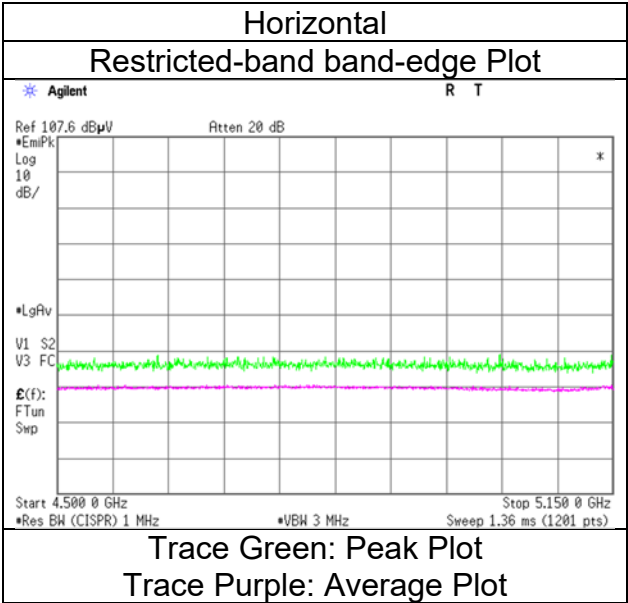
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	43.6	33.2	32.1	5.9	30.9	0.7	50.8	41.1	73.9	53.9	23.1	12.8	*1)
Vert.	5150.0	43.5	33.2	32.1	5.9	30.9	0.7	50.7	41.1	73.9	53.9	23.2	12.8	*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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [996-tone RU/Segment 0/Index 67] 5250 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 1/Index 36] 5250 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.	5350.0	41.9	31.5	31.8	6.0	30.9	0.5	48.8	38.9	73.9	53.9	25.2	15.1	*1)
Vert.	5350.0	41.8	31.3	31.8	6.0	30.9	0.5	48.6	38.7	73.9	53.9	25.3	15.2	*1)

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

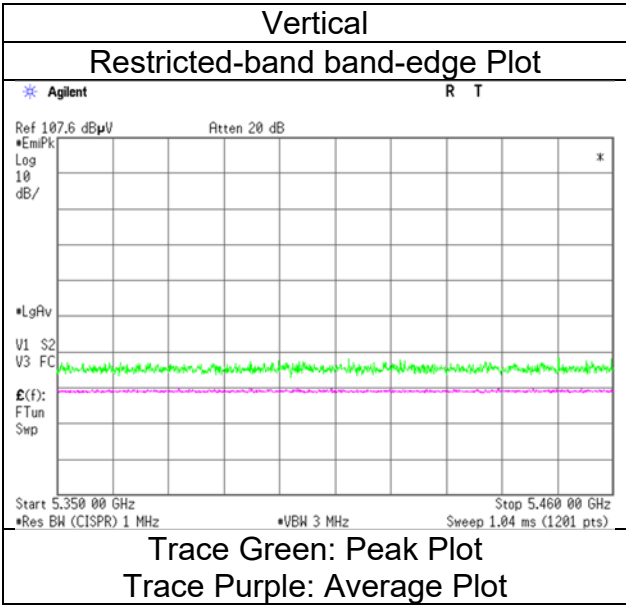
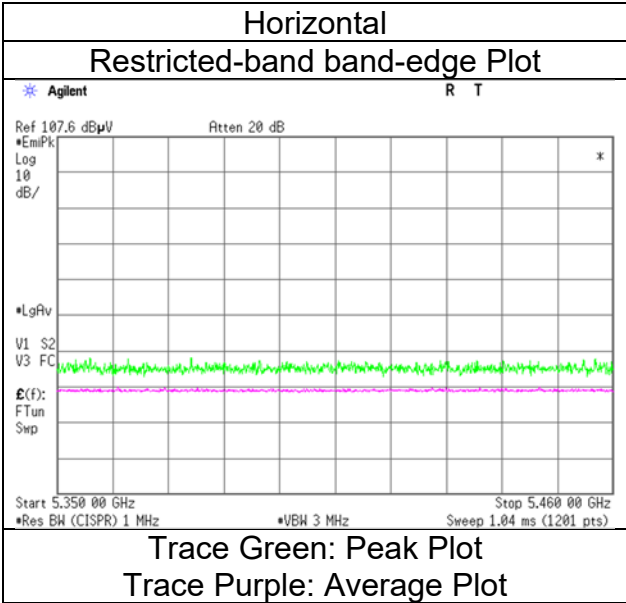
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 1/Index 36] 5250 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

February 8, 2024

23 deg. C / 35 % RH

Tetsuro Yoshida

(1 GHz to 6 GHz)

Tx 11be-160 [52-tone RU/Segment 1/Index 52] 5250 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]		[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	42.5	31.8	31.8	6.0	30.9	0.6	49.4	39.3	73.9	53.9	24.5	14.7	*1)
Vert.	5350.0	42.7	32.2	31.8	6.0	30.9	0.6	49.5	39.7	73.9	53.9	24.4	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)

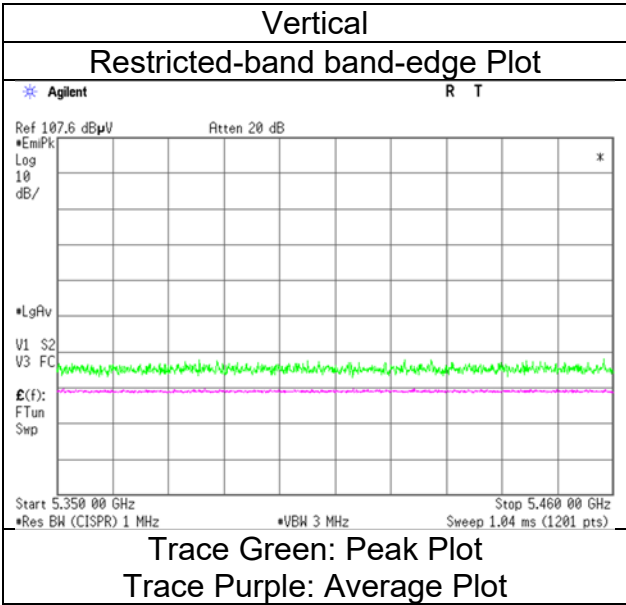
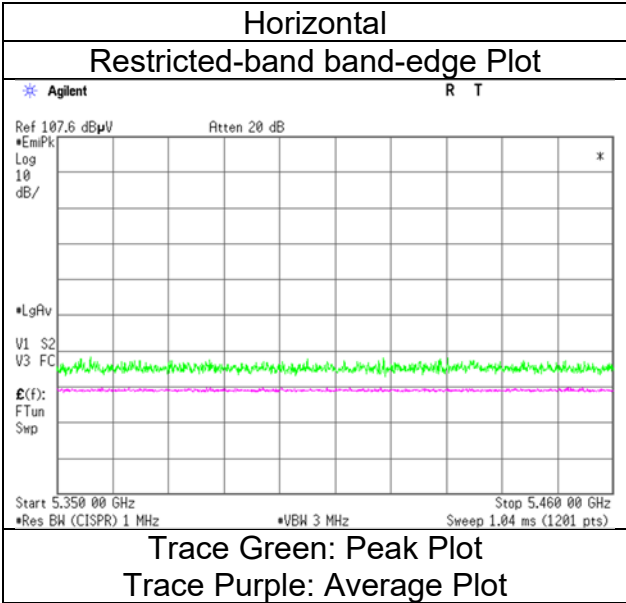
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [52-tone RU/Segment 1/Index 52] 5250 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 February 8, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Tetsuro Yoshida
(1 GHz to 6 GHz)
Mode Tx 11be-160 [106-tone RU/Segment 1/Index 60] 5250 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	43.3	32.2	31.8	6.0	30.9	0.6	50.1	39.7	73.9	53.9	23.8	14.2	*1)
Vert.	5350.0	43.1	32.3	31.8	6.0	30.9	0.6	49.9	39.8	73.9	53.9	24.0	14.1	*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)

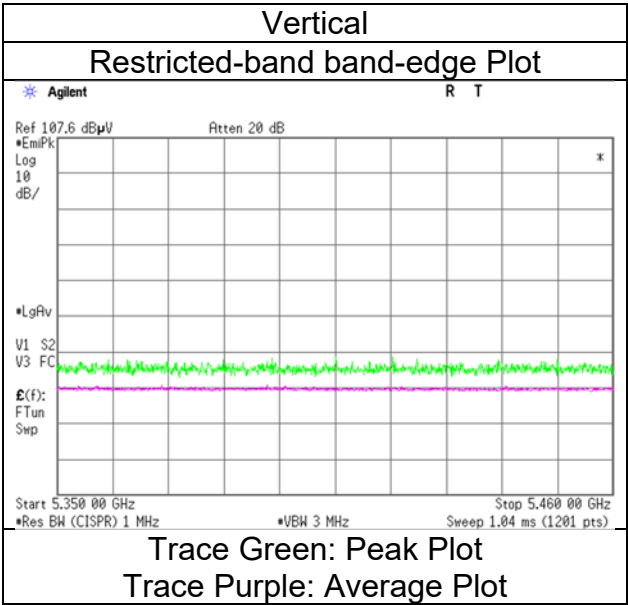
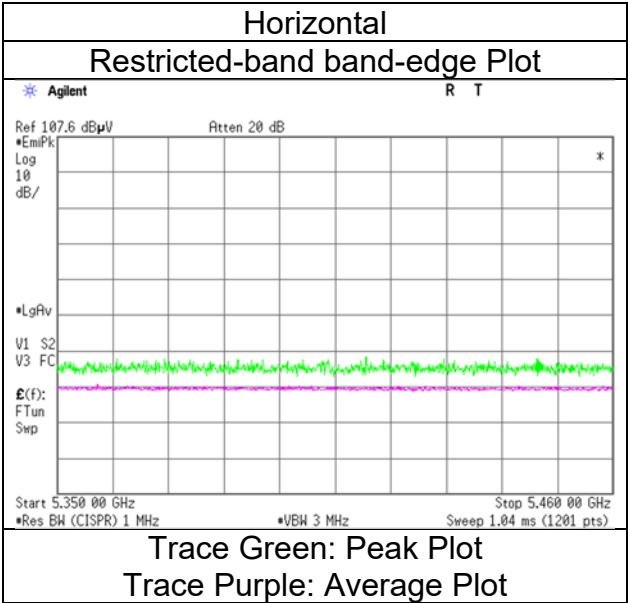
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [106-tone RU/Segment 1/Index 60] 5250 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

February 8, 2024

23 deg. C / 35 % RH

Tetsuro Yoshida

(1 GHz to 6 GHz)

Tx 11be-160 [242-tone RU/Segment 1/Index 64] 5250 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.	5350.0	44.0	32.8	31.8	6.0	30.9	0.7	50.9	40.4	73.9	53.9	23.0	13.5	*1)
Vert.	5350.0	43.9	32.8	31.8	6.0	30.9	0.7	50.8	40.3	73.9	53.9	23.2	13.6	*1)

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

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

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

*QP detector was used up to 1GHz.

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

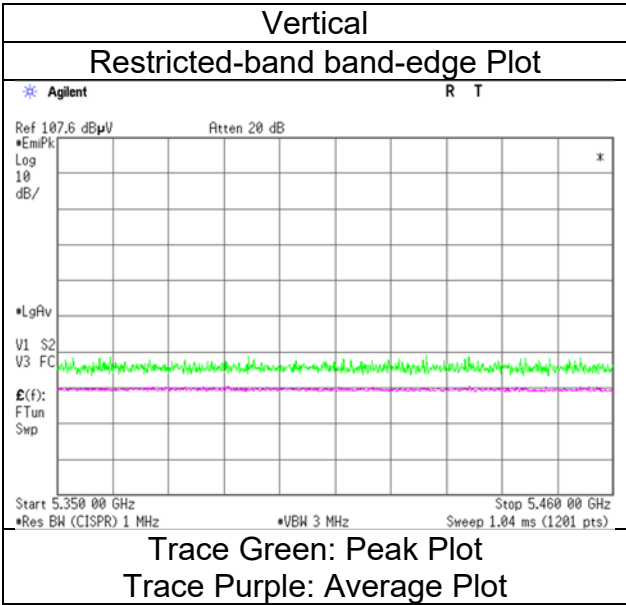
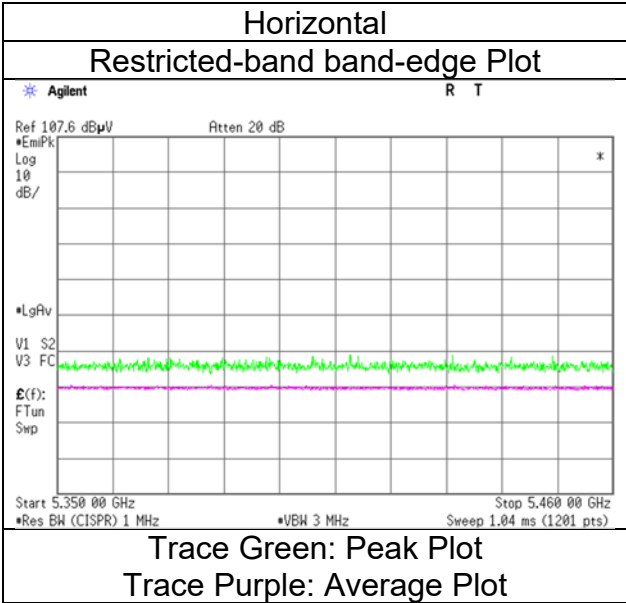
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [242-tone RU/Segment 1/Index 64] 5250 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [484-tone RU/Segment 1/Index 66] 5250 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	45.4	33.5	31.8	6.0	30.9	0.7	52.2	41.0	73.9	53.9	21.7	12.9	*1)
Vert.	5350.0	45.2	33.3	31.8	6.0	30.9	0.7	52.1	40.8	73.9	53.9	21.8	13.1	*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)

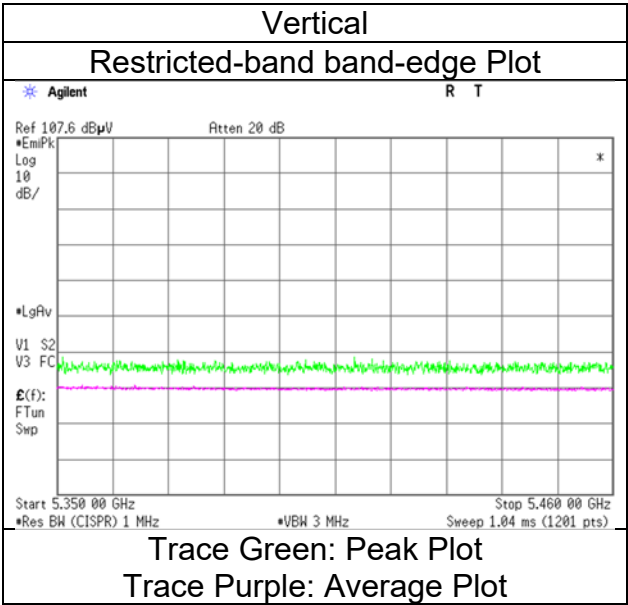
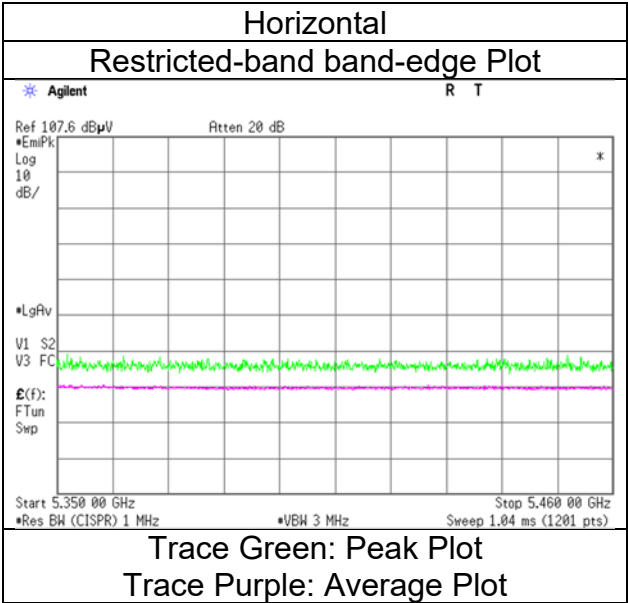
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [484-tone RU/Segment 1/Index 66] 5250 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [996-tone RU/Segment 1/Index 67] 5250 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	45.6	33.6	31.8	6.0	30.9	0.7	52.5	41.1	73.9	53.9	21.4	12.8	*1)
Vert.	5350.0	45.4	33.4	31.8	6.0	30.9	0.7	52.3	40.9	73.9	53.9	21.6	13.0	*1)

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

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

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

*QP detector was used up to 1GHz.

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

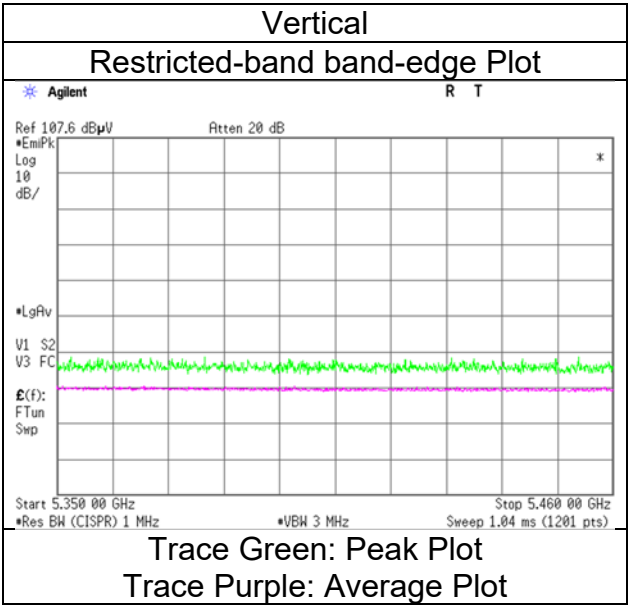
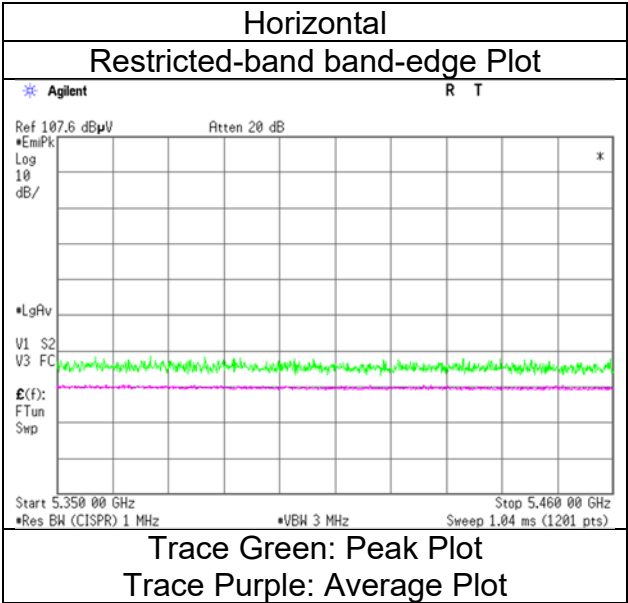
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [996-tone RU/Segment 1/Index 67] 5250 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [2x996-tone RU/Index 68] 5250 MHz

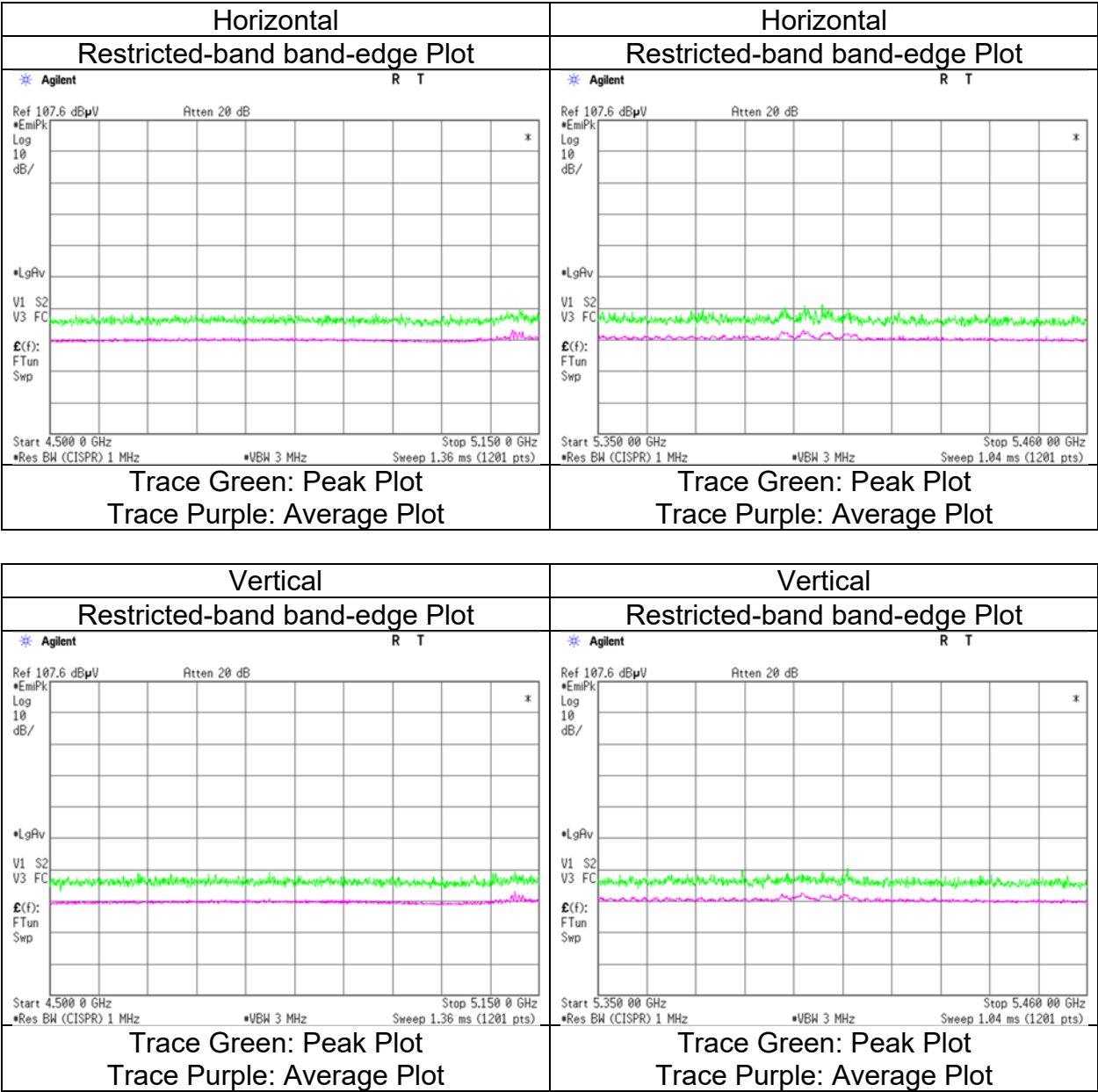
Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5123.8	45.7	36.2	32.1	5.9	30.8	0.7	53.0	44.1	73.9	53.9	21.0	9.8	*1)
Hori.	5150.0	45.6	33.8	32.1	5.9	30.9	0.7	52.8	41.7	73.9	53.9	21.1	12.2	*1)
Hori.	5350.0	45.1	34.1	31.8	6.0	30.9	0.7	51.9	41.7	73.9	53.9	22.0	12.2	*1)
Hori.	5395.2	47.5	36.3	31.8	6.0	30.9	0.7	54.4	43.9	73.9	53.9	19.5	10.0	*1)
Vert.	5123.8	45.5	36.1	32.1	5.9	30.8	0.7	52.8	44.0	73.9	53.9	21.1	9.9	*1)
Vert.	5150.0	45.5	33.7	32.1	5.9	30.9	0.7	52.7	41.6	73.9	53.9	21.2	12.4	*1)
Vert.	5350.0	45.0	34.1	31.8	6.0	30.9	0.7	51.8	41.6	73.9	53.9	22.1	12.3	*1)
Vert.	5395.2	47.3	36.2	31.8	6.0	30.9	0.7	54.2	43.9	73.9	53.9	19.7	10.1	*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 - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [2x996-tone RU/Index 68] 5250 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 0/Index 0] 5570 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.	5460.0	42.2	31.7	32.0	6.1	30.9	0.5	49.2	39.3	68.2	53.9	19.0	14.6	*1)
Hori.	5470.0	41.2	-	32.0	6.1	30.9	-	48.3	-	68.2	-	19.9	-	
Vert.	5460.0	42.4	31.8	32.0	6.1	30.9	0.5	49.4	39.4	68.2	53.9	18.8	14.5	*1)
Vert.	5470.0	41.7	-	32.0	6.1	30.9	-	48.8	-	68.2	-	19.4	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

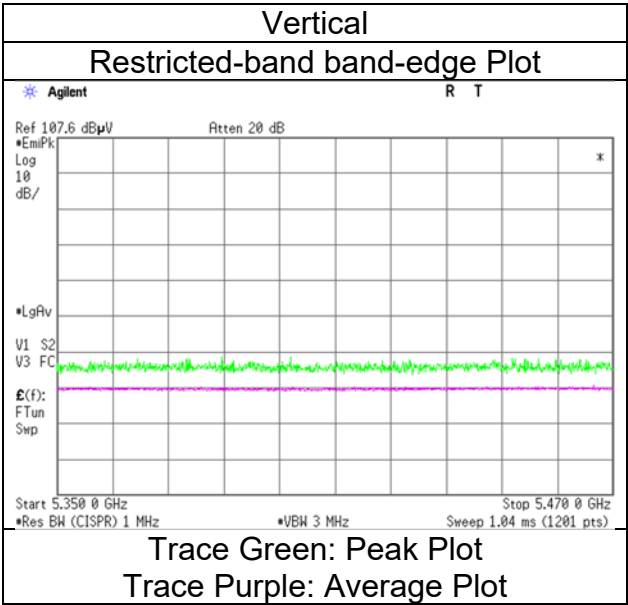
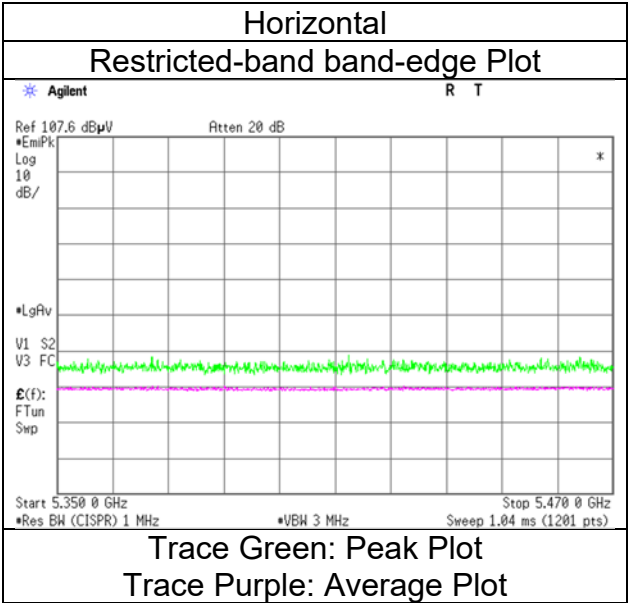
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 0/Index 0] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [52-tone RU/Segment 0/Index 37] 5570 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.	5460.0	43.0	32.1	32.0	6.1	30.9	0.6	50.1	39.8	68.2	53.9	18.1	14.1	*1)
Hori.	5470.0	42.5	-	32.0	6.1	30.9	-	49.6	-	68.2	-	18.6	-	
Vert.	5460.0	43.0	32.3	32.0	6.1	30.9	0.6	50.1	40.0	68.2	53.9	18.1	13.9	*1)
Vert.	5470.0	42.9	-	32.0	6.1	30.9	-	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.
*1) Not Out of Band emission(Leakage Power)

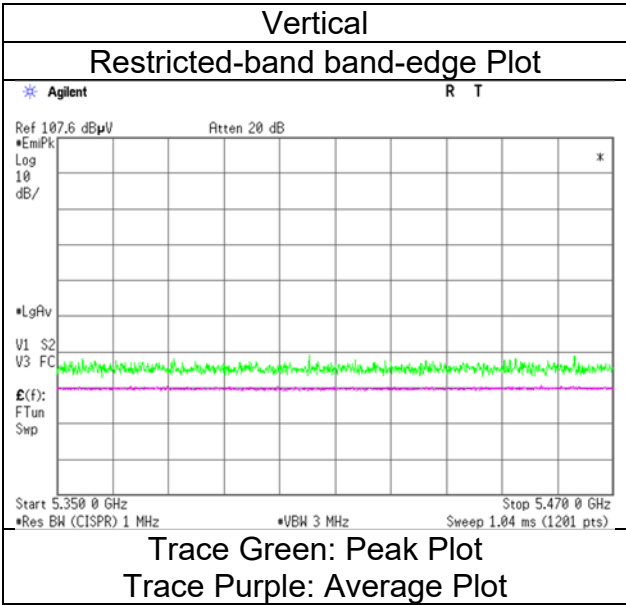
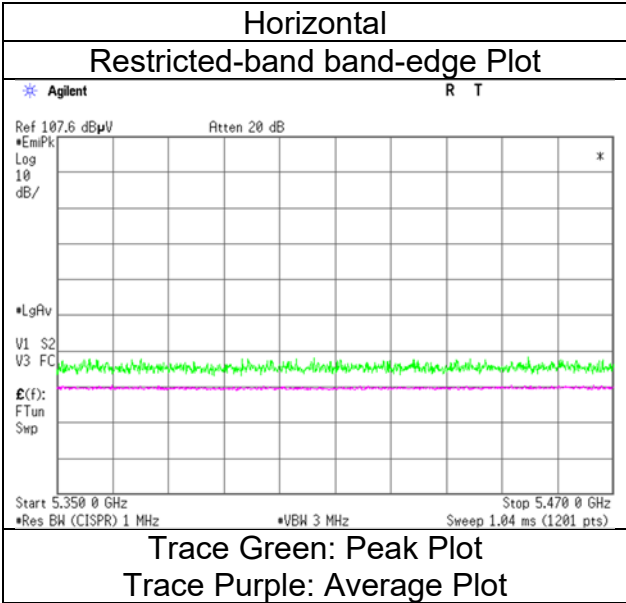
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [52-tone RU/Segment 0/Index 37] 5570 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [106-tone RU/Segment 0/Index 53] 5570 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	43.5	32.8	32.0	6.1	30.9	0.6	50.6	40.4	68.2	53.9	17.6	13.5	*1)
Hori.	5470.0	43.1	-	32.0	6.1	30.9	-	50.2	-	68.2	-	18.0	-	-
Vert.	5460.0	43.1	32.8	32.0	6.1	30.9	0.6	50.2	40.4	68.2	53.9	18.0	13.5	*1)
Vert.	5470.0	43.6	-	32.0	6.1	30.9	-	50.7	-	68.2	-	17.5	-	-

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

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

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

*QP detector was used up to 1GHz.

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

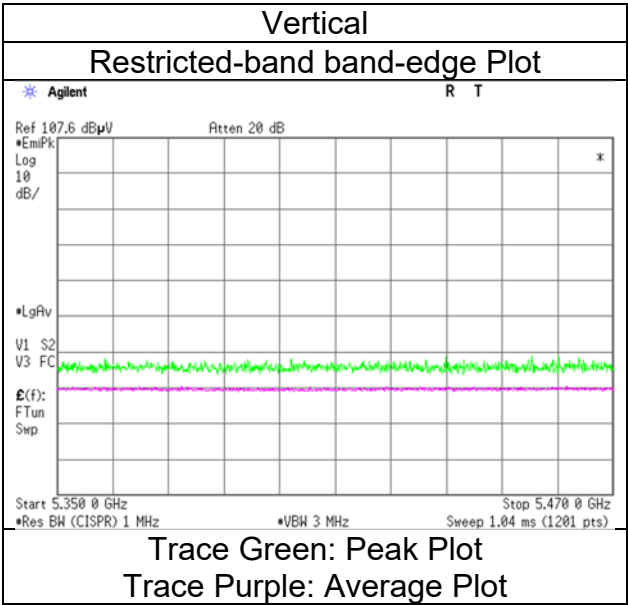
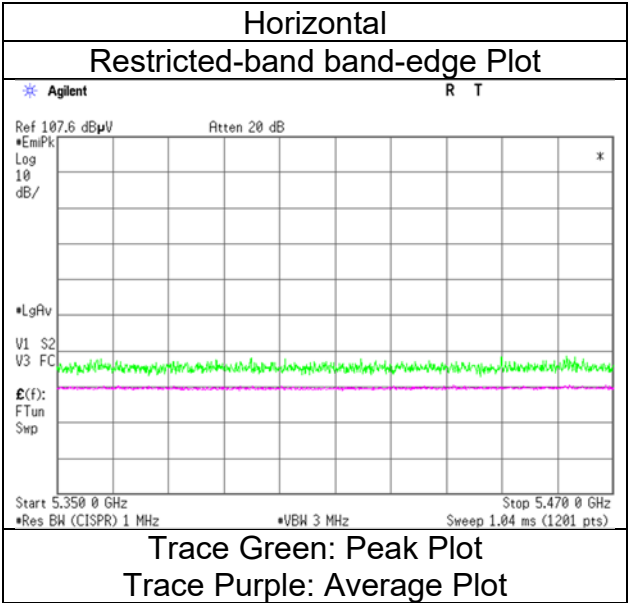
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [106-tone RU/Segment 0/Index 53] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [242-tone RU/Segment 0/Index 61] 5570 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.	5460.0	45.4	33.0	32.0	6.1	30.9	0.7	52.5	40.7	68.2	53.9	15.7	13.2	*1)
Hori.	5470.0	44.3	-	32.0	6.1	30.9	-	51.4	-	68.2	-	16.8	-	
Vert.	5460.0	44.9	33.0	32.0	6.1	30.9	0.7	52.0	40.7	68.2	53.9	16.3	13.2	*1)
Vert.	5470.0	44.2	-	32.0	6.1	30.9	-	51.3	-	68.2	-	16.9	-	

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)

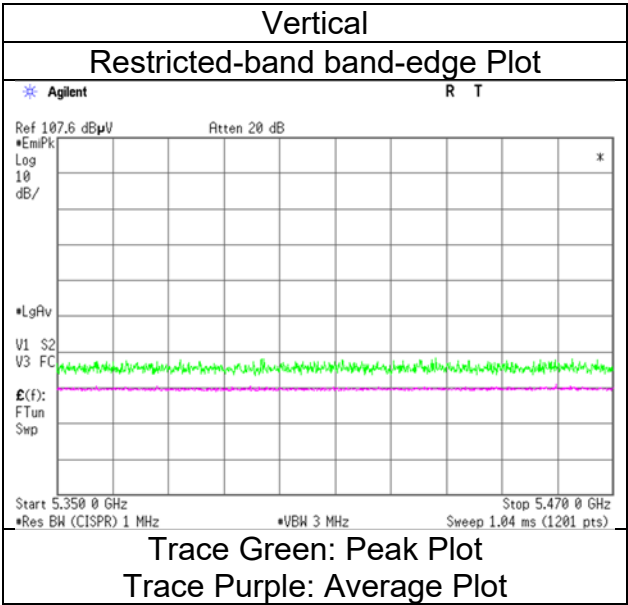
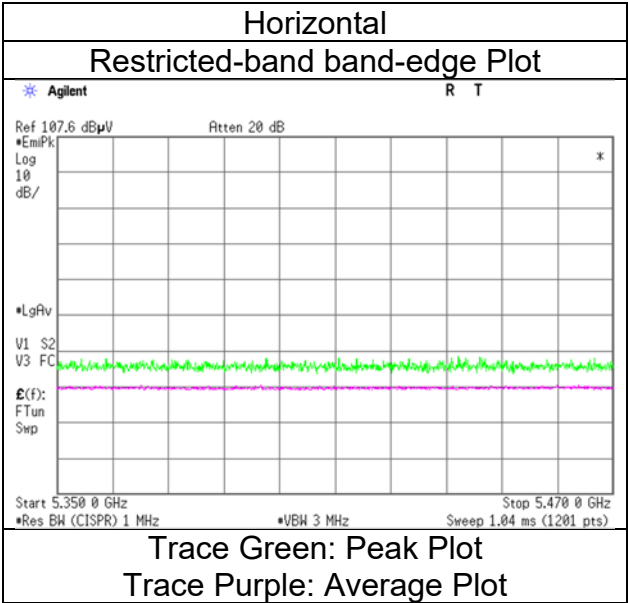
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [242-tone RU/Segment 0/Index 61] 5570 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [484-tone RU/Segment 0/Index 65] 5570 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	44.8	33.1	32.0	6.1	30.9	0.7	51.9	40.9	68.2	53.9	16.3	13.0	*1)
Hori.	5470.0	44.3	-	32.0	6.1	30.9	-	51.4	-	68.2	-	16.8	-	
Vert.	5460.0	45.0	33.0	32.0	6.1	30.9	0.7	52.0	40.8	68.2	53.9	16.2	13.1	*1)
Vert.	5470.0	44.4	-	32.0	6.1	30.9	-	51.6	-	68.2	-	16.7	-	

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

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

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

*QP detector was used up to 1GHz.

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

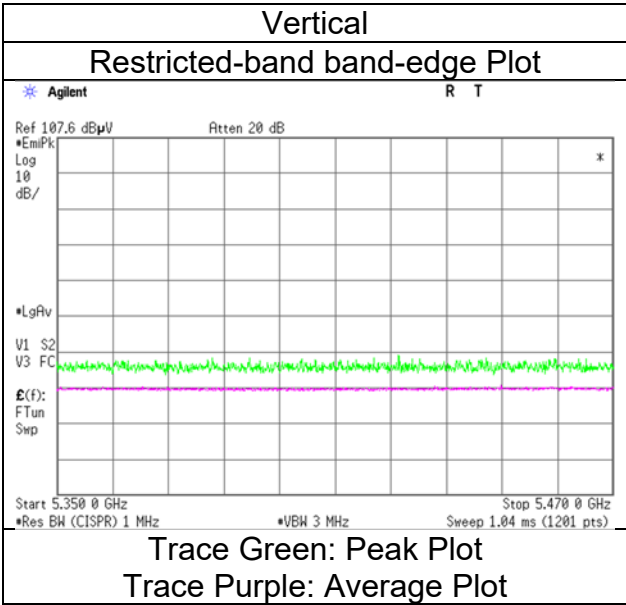
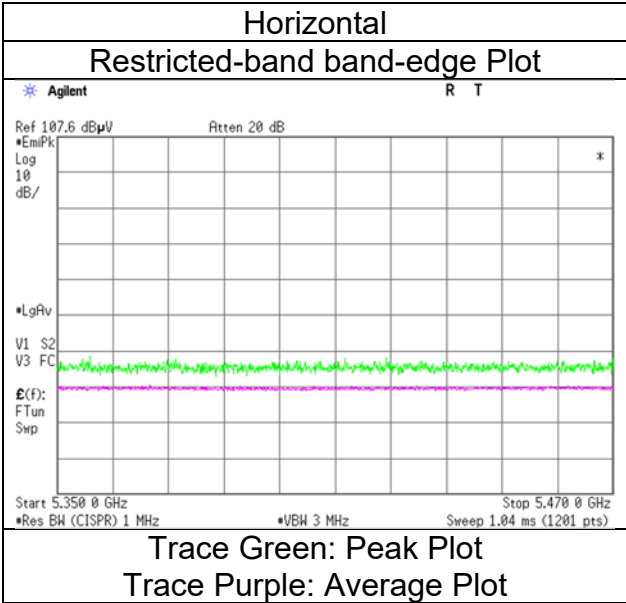
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [484-tone RU/Segment 0/Index 65] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [996-tone RU/Segment 0/Index 67] 5570 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	45.0	33.4	32.0	6.1	30.9	0.7	52.0	41.1	68.2	53.9	16.2	12.8	*1)
Hori.	5470.0	44.4	-	32.0	6.1	30.9	-	51.5	-	68.2	-	16.7	-	-
Vert.	5460.0	44.8	33.2	32.0	6.1	30.9	0.7	51.9	41.0	68.2	53.9	16.3	12.9	*1)
Vert.	5470.0	44.3	-	32.0	6.1	30.9	-	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)

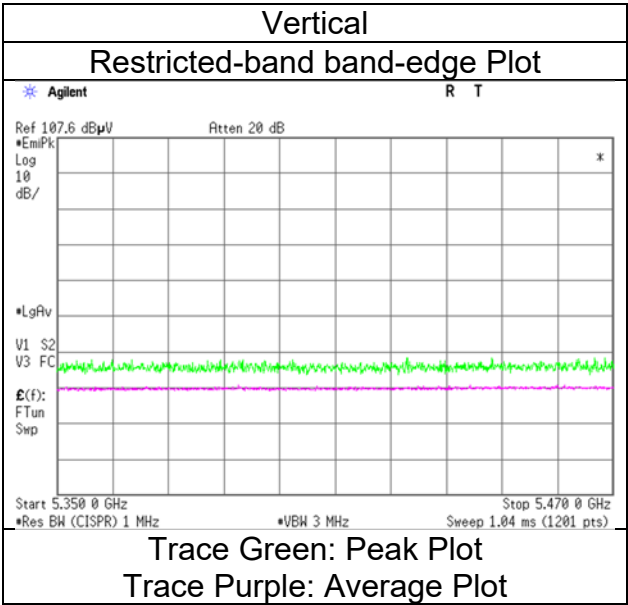
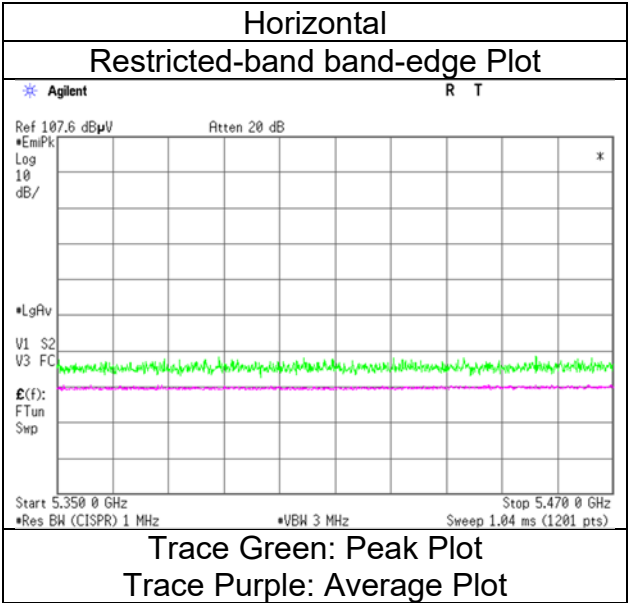
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [996-tone RU/Segment 0/Index 67] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 1/Index 36] 5570 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.	5725.0	41.2	-	32.4	6.2	31.0	-	48.7	-	68.2	-	19.5	-	
Vert.	5725.0	41.1	-	32.4	6.2	31.0	-	48.6	-	68.2	-	19.6	-	

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.

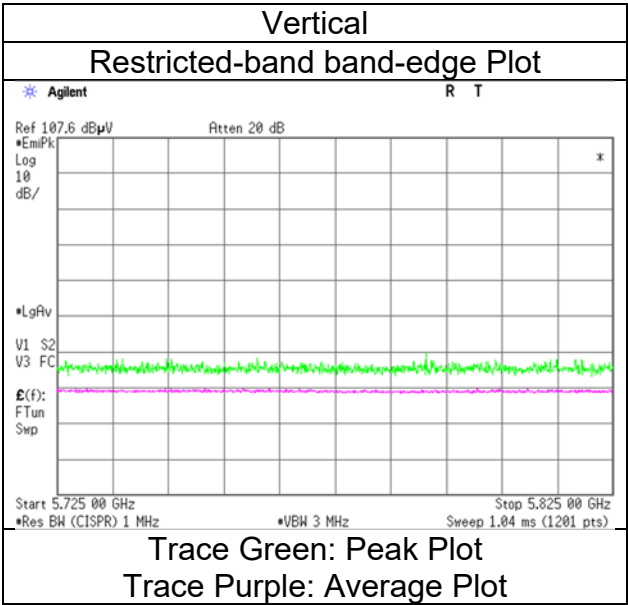
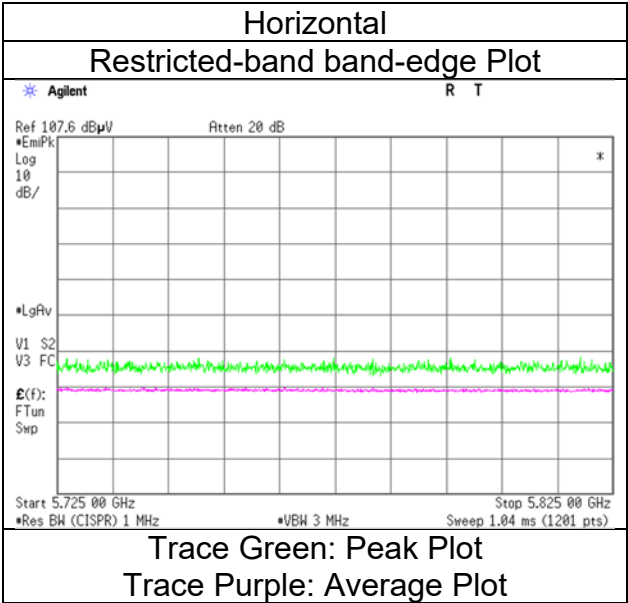
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [26-tone RU/Segment 1/Index 36] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [52-tone RU/Segment 1/Index 52] 5570 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.	5725.0	41.5	-	32.4	6.2	31.0	-	49.1	-	68.2	-	19.2	-	
Vert.	5725.0	41.3	-	32.4	6.2	31.0	-	48.8	-	68.2	-	19.4	-	

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

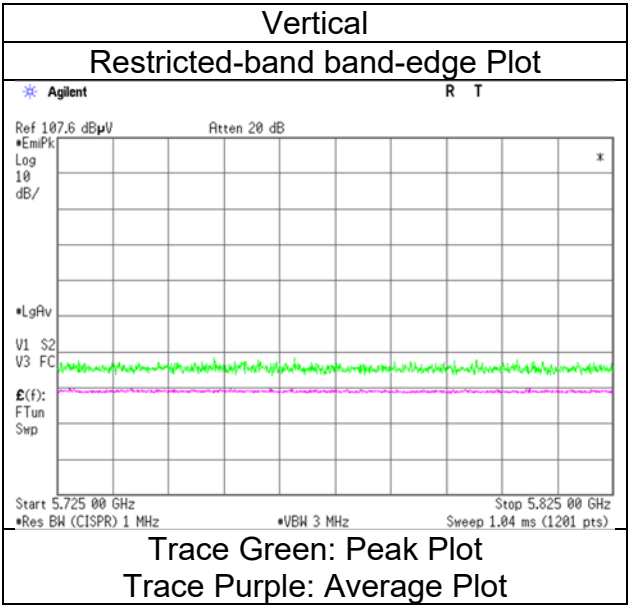
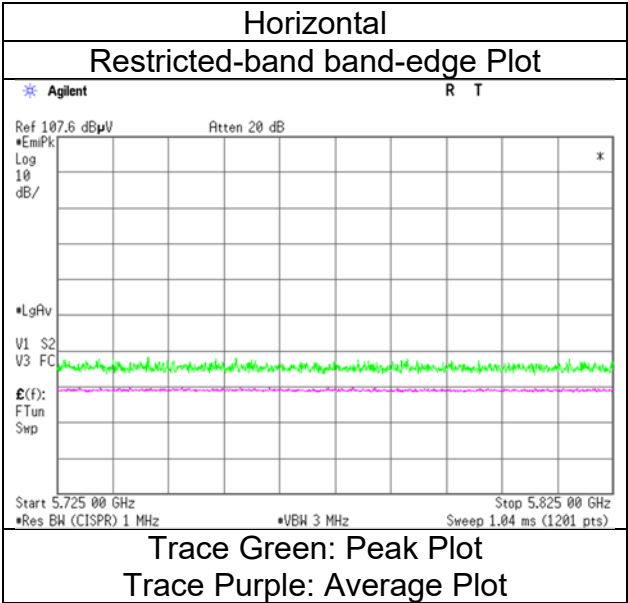
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [52-tone RU/Segment 1/Index 52] 5570 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 February 8, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Tetsuro Yoshida
Mode (1 GHz to 6 GHz)
Tx 11be-160 [106-tone RU/Segment 1/Index 60] 5570 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	42.0	-	32.4	6.2	31.0	-	49.5	-	68.2	-	18.7	-	
Vert.	5725.0	41.7	-	32.4	6.2	31.0	-	49.2	-	68.2	-	19.0	-	

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.

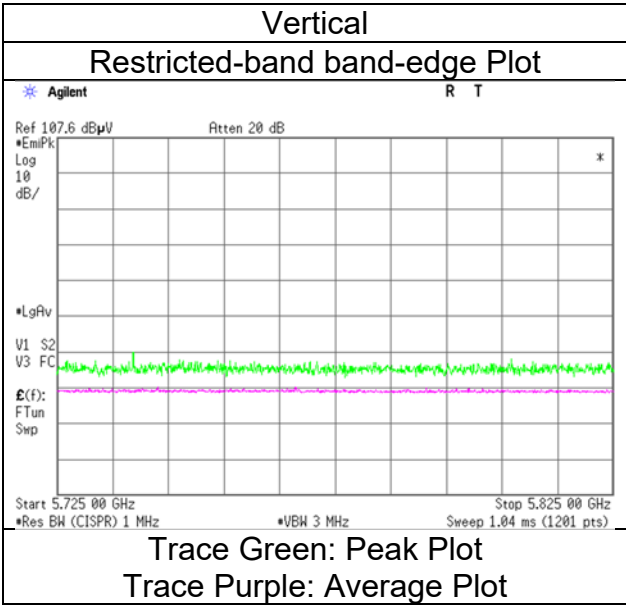
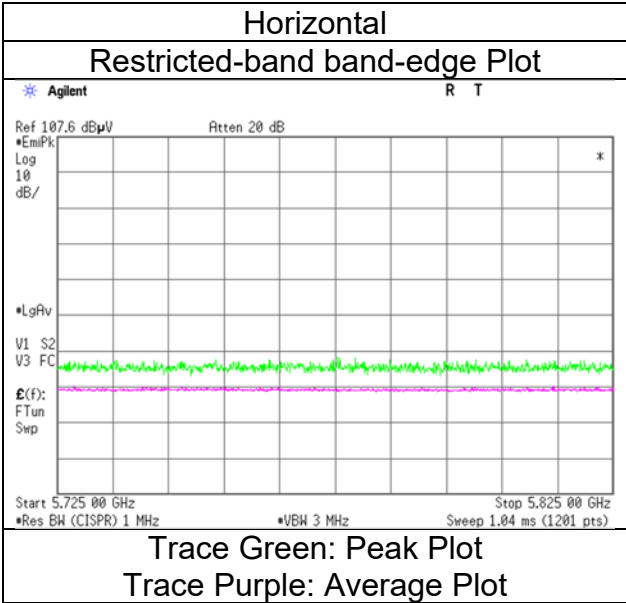
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [106-tone RU/Segment 1/Index 60] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [242-tone RU/Segment 1/Index 64] 5570 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor			Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	42.8	-	32.4	6.2	31.0	-	50.3	-	68.2	-	17.9	-	
Vert.	5725.0	42.5	-	32.4	6.2	31.0	-	50.1	-	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.

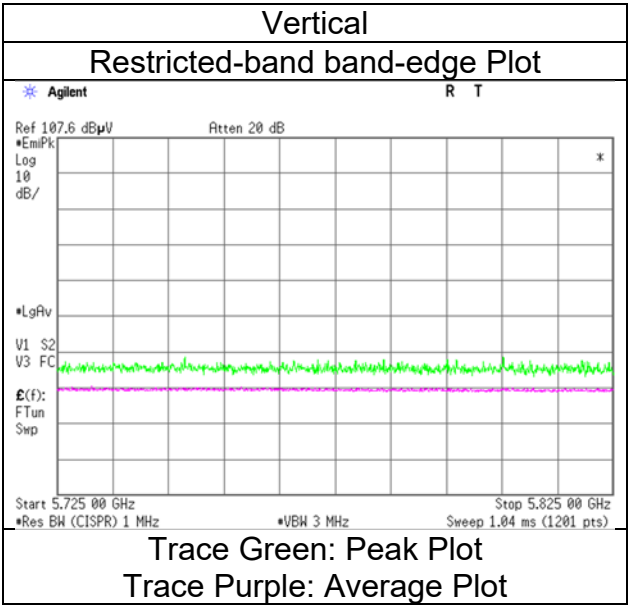
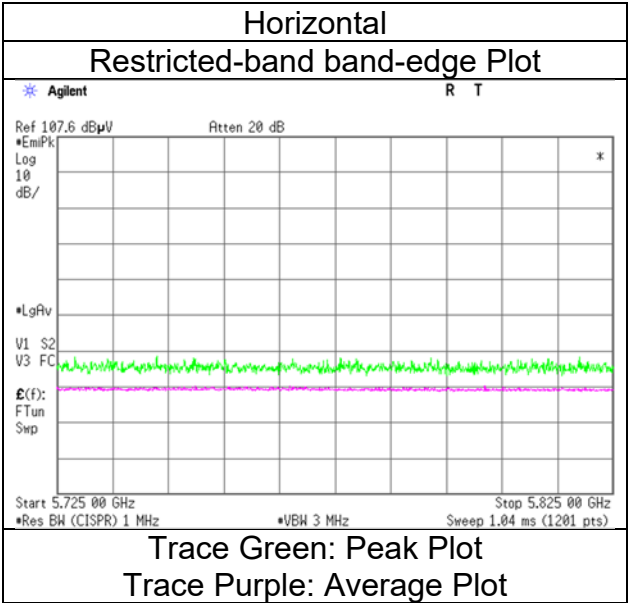
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [242-tone RU/Segment 1/Index 64] 5570 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	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [484-tone RU/Segment 1/Index 66] 5570 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.	5725.0	42.6	-	32.4	6.2	31.0	-	50.2	-	68.2	-	18.1	-	
Vert.	5725.0	42.6	-	32.4	6.2	31.0	-	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.

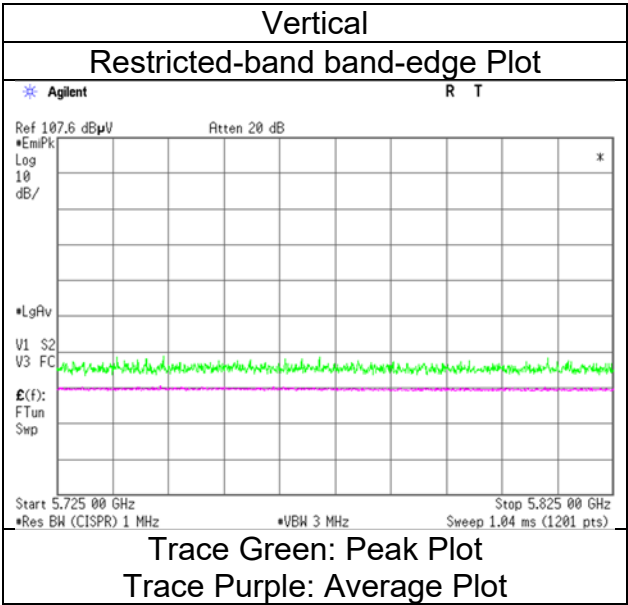
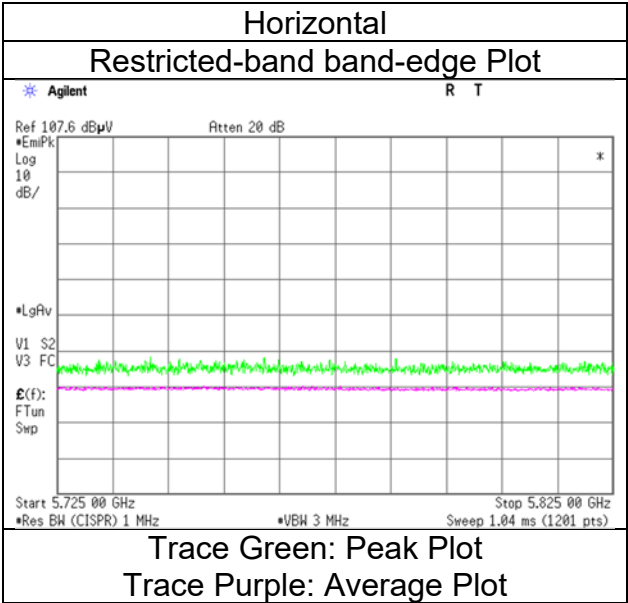
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [484-tone RU/Segment 1/Index 66] 5570 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 February 8, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Tetsuro Yoshida
(1 GHz to 6 GHz)
Mode Tx 11be-160 [996-tone RU/Segment 1/Index 67] 5570 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.	5725.0	42.7	-	32.4	6.2	31.0	-	50.2	-	68.2	-	18.0	-	
Vert.	5725.0	42.5	-	32.4	6.2	31.0	-	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.

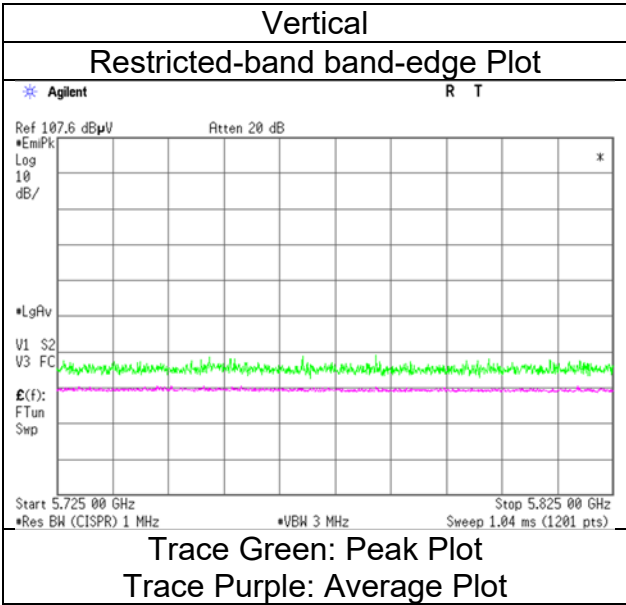
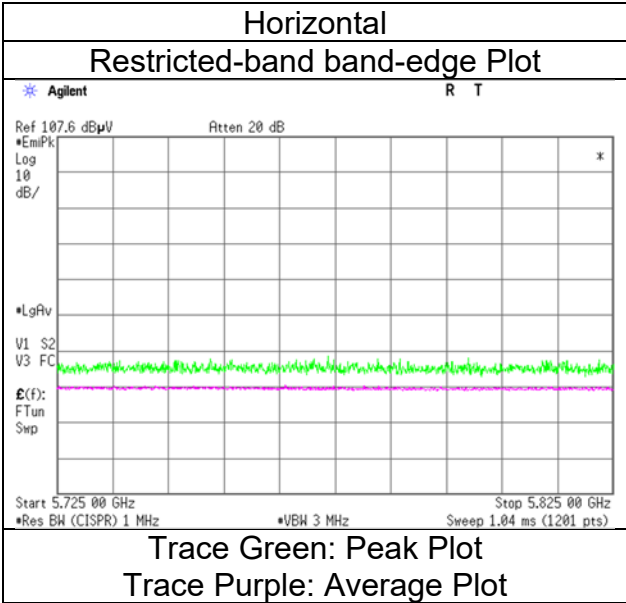
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [996-tone RU/Segment 1/Index 67] 5570 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
February 8, 2024
23 deg. C / 35 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-160 [2x996-tone RU/Index 68] 5570 MHz

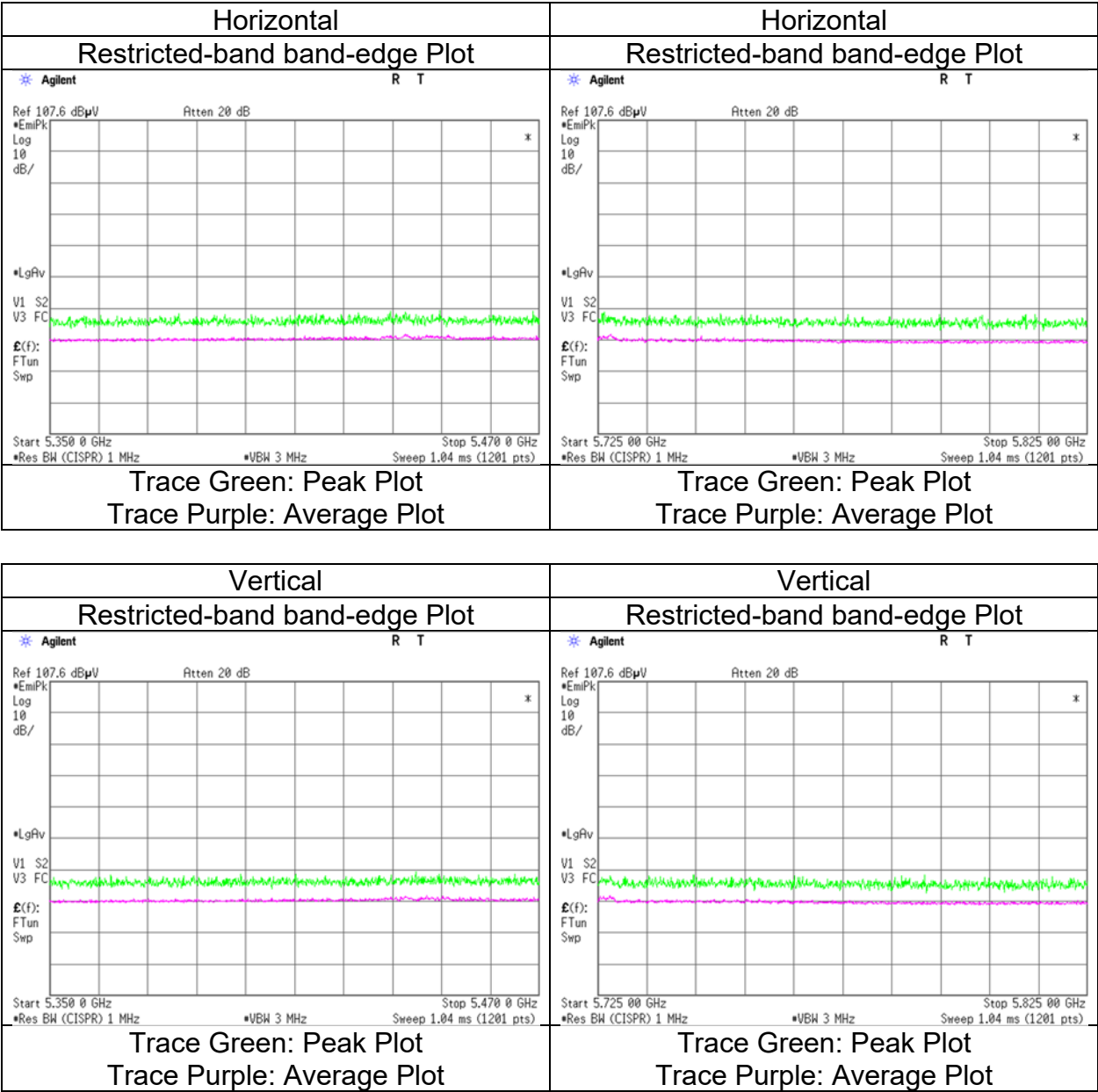
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	45.1	33.9	32.0	6.1	30.9	0.7	52.2	41.7	68.2	53.9	16.0	12.2	*1)
Hori.	5470.0	44.8	-	32.0	6.1	30.9	-	51.9	-	68.2	-	16.3	-	
Hori.	5725.0	43.4	-	32.4	6.2	31.0	-	50.9	-	68.2	-	17.3	-	
Vert.	5460.0	44.8	33.8	32.0	6.1	30.9	0.7	51.9	41.5	68.2	53.9	16.3	12.4	*1)
Vert.	5470.0	44.7	-	32.0	6.1	30.9	-	51.8	-	68.2	-	16.4	-	
Vert.	5725.0	43.4	-	32.4	6.2	31.0	-	50.9	-	68.2	-	17.3	-	

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.
*1) Not Out of Band emission(Leakage Power)

Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 8, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-160 [2x996-tone RU/Index 68] 5570 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.2
Date February 15, 2024 February 7, 2024
Temperature / Humidity 19 deg. C / 46 % RH 21 deg. C / 38 % RH
Engineer Nachi Konegawa Daiki Matsui
 (1 GHz to 40 GHz) (Below 1GHz)
Mode Tx 11be-40 [OFDM] 5190 MHz + BT1 3DH5 Hopping

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.	64.0	31.5	-	6.9	7.0	28.5	-	16.9	-	40.0	-	23.1	-	
Hori.	106.8	38.1	-	11.2	7.4	28.4	-	28.3	-	43.5	-	15.2	-	
Hori.	166.5	36.7	-	15.6	7.9	28.2	-	32.0	-	43.5	-	11.5	-	
Hori.	353.9	38.8	-	15.2	9.0	28.1	-	34.9	-	46.0	-	11.1	-	
Hori.	626.9	37.3	-	19.5	10.2	29.3	-	37.7	-	46.0	-	8.3	-	
Hori.	774.5	35.2	-	20.5	10.8	29.2	-	37.3	-	46.0	-	8.7	-	
Hori.	5150.0	45.1	35.6	32.1	5.9	30.9	-	52.3	42.8	73.9	53.9	21.6	11.1	
Hori.	10380.0	42.2	-	36.1	-0.5	32.6	-	45.2	-	68.2	-	23.0	-	Floor noise
Hori.	15570.0	44.8	36.7	39.4	1.1	32.2	-	53.0	45.0	73.9	53.9	20.9	8.9	Floor noise
Vert.	64.0	47.9	-	6.9	7.0	28.5	-	33.3	-	40.0	-	6.7	-	
Vert.	106.8	48.5	-	11.2	7.4	28.4	-	38.7	-	43.5	-	4.8	-	
Vert.	166.5	44.4	-	15.6	7.9	28.2	-	39.7	-	43.5	-	3.8	-	
Vert.	353.9	38.2	-	15.2	9.0	28.1	-	34.3	-	46.0	-	11.7	-	
Vert.	626.9	37.4	-	19.5	10.2	29.3	-	37.8	-	46.0	-	8.2	-	
Vert.	774.5	34.8	-	20.5	10.8	29.2	-	36.9	-	46.0	-	9.1	-	
Vert.	5150.0	43.4	34.0	32.1	5.9	30.9	-	50.6	41.3	73.9	53.9	23.3	12.7	
Vert.	10380.0	42.2	-	36.1	-0.5	32.6	-	45.2	-	68.2	-	23.0	-	Floor noise
Vert.	15570.0	44.8	36.7	39.4	1.1	32.2	-	53.0	45.0	73.9	53.9	20.9	8.9	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.

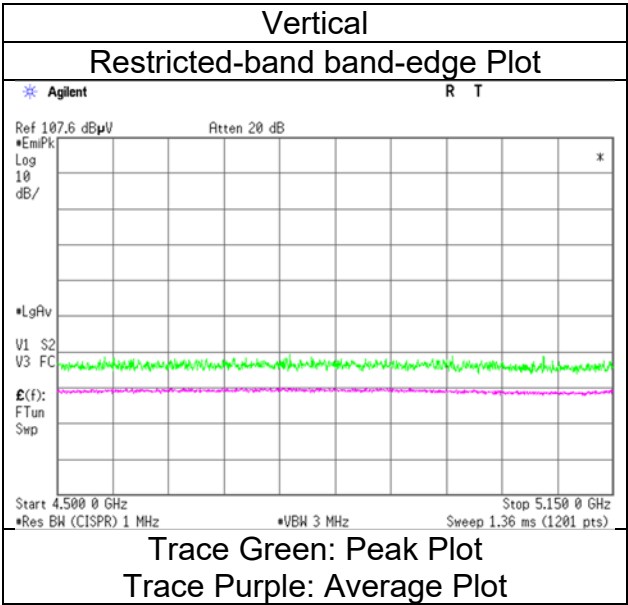
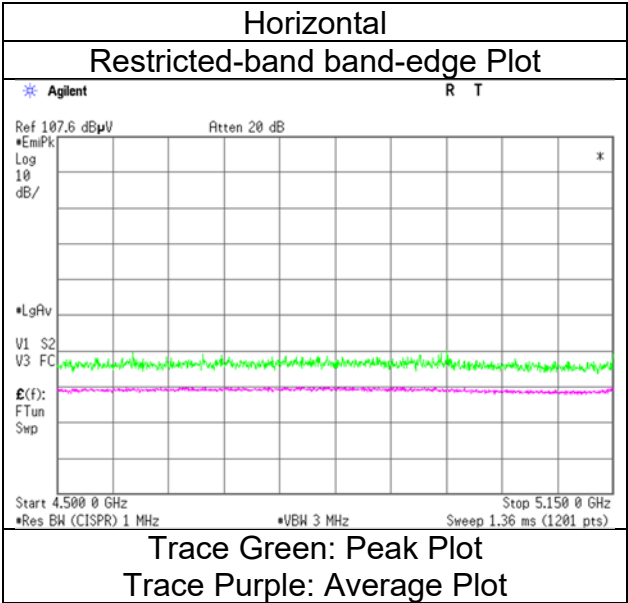
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

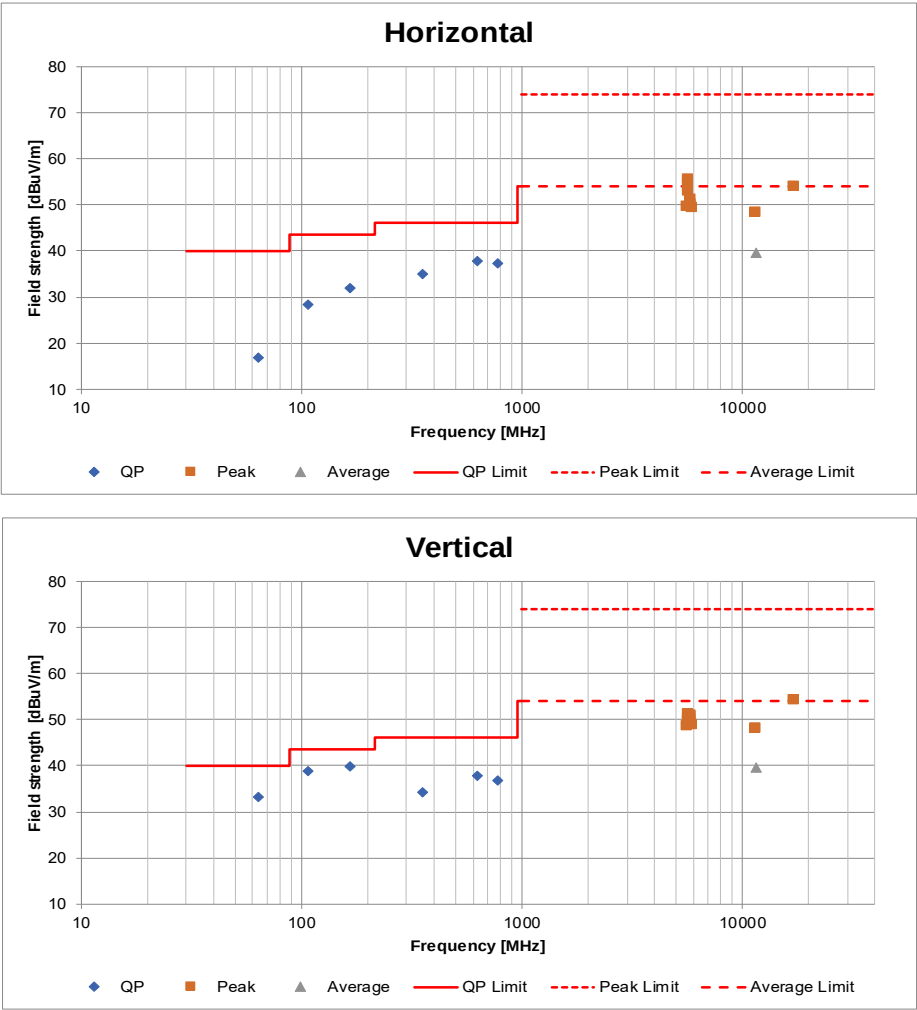
Ise EMC Lab.
No.4
February 15, 2024
19 deg. C / 46 % RH
Nachi Konegawa
(1 GHz to 40 GHz)
Tx 11be-40 [OFDM] 5190 MHz + BT1 3DH5 Hopping



* 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.4	No.4	No.4	No.4
Date	January 31, 2024	February 1, 2024	February 4, 2024	February 6, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 40 % RH	21 deg. C / 40 % RH
Engineer	Yuichiro Yamazaki (26.5 GHz to 40 GHz)	Tomohisa Nakagawa (18 GHz to 26.5 GHz)	Tomohisa Nakagawa (10 GHz to 18 GHz)	Tetsuro Yoshida (1 GHz to 6 GHz)
Semi Anechoic Chamber	No.4	No.2		
Date	February 14, 2024	February 7, 2024		
Temperature / Humidity	21 deg. C / 45 % RH	21 deg. C / 38 % RH		
Engineer	Nachi Konegawa (6 GHz to 10 GHz)	Daiki Matsui (Below 1 GHz)		
Mode	Tx 11be-80 [OFDM] 5775 MHz			

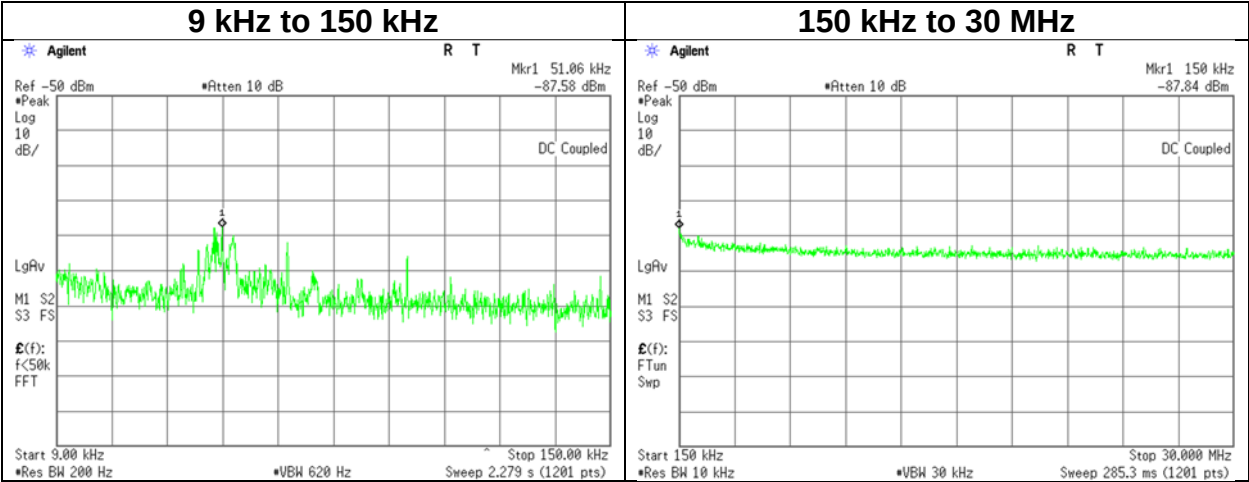


*These plots data contains sufficient number to show the trend of characteristic features for EUT.

Conducted Spurious Emission

Test place
Date
Temperature / Humidity
Engineer
Mode

Ise EMC Lab. No.6 Measurement Room
February 2, 2024
21 deg. C / 35 % RH
Kiyoshiro Okazaki
Tx 11be-80 [OFDM] 5775 MHz



Frequency	Reading	Cable Loss	Attenuator	Antenna Gain	N	EIRP	Distance	Ground bounce	E	Limit	Margin
[kHz]	[dBm]	[dB]	[dB]	[dBi]	(Number of Output)	[dBm]	[m]	[dB]	(field strength) [dBuV/m]	[dBuV/m]	[dB]
51.06	-87.6	0.90	9.8	8.3	2	-65.6	300	6.0	-4.3	33.4	37.7
150.00	-87.8	0.90	9.8	8.3	2	-65.8	300	6.0	-4.6	24.0	28.6

$E \text{ [dBuV/m]} = \text{EIRP [dBm]} - 20 \log (\text{Distance [m]}) + \text{Ground bounce [dB]} + 104.8 \text{ [dBuV/m]}$
 $\text{EIRP [dBm]} = \text{Reading [dBm]} + \text{Cable loss [dB]} + \text{Attenuator Loss [dB]} + \text{Antenna gain [dBi]} + 10 * \log (N)$
N: Number of output

APPENDIX 2: Test Instruments

Test Equipment (1/2)

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	141156	Attenuator(10dB)	Weinschel Corp	2	BL1173	11/17/2023	12
AT	141173	Attenuator(10dB) (above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	-	12/11/2023	12
AT	141269	Attenuator(10dB) 1-18GHz	Orient Microwave	BX10-0476-00	-	03/08/2023	12
AT	141333	Attenuator(10dB)	Suhner	6810.19.A	-	12/11/2023	12
AT	141395	Coaxial Cable	UL Japan	-	-	11/21/2023	12
AT	141420	Attenuator	Weinschel Associates	WA56-10	56100307	05/18/2023	12
AT	141533	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	51201195	02/01/2024	12
AT	141547	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	60500120	02/02/2023	12
AT	141557	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	070900530	01/31/2024	12
AT	141563	Thermo-Hygrometer	CUSTOM. Inc	CTH-180	1005	01/10/2024	12
AT	141567	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	0008	01/10/2024	12
AT	141572	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	3401	01/10/2024	12
AT	141813	Power Meter	Raditeq (Formerly DARE!! Instruments)	RPR3006W	14I00048SNO081	10/04/2023	12
AT	141814	Power Meter	Raditeq (Formerly DARE!! Instruments)	RPR3006W	14I00048SNO082	10/04/2023	12
AT	141900	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46185823	06/16/2023	12
AT	197219	Microwave cable	Huber+Suhner	SF126E/11PC35/11PC35/2000MM	536999/126E	03/09/2023	12
AT	227032	Power Meter	Raditeq (Formerly DARE!! Instruments)	RPR3008W	RPR8W-2201002	02/01/2024	12
AT	227033	Power Meter	Raditeq (Formerly DARE!! Instruments)	RPR3008W	RPR8W-2201001	02/01/2024	12
AT	244712	Thermo-Hygrometer	HIOKI E.E. CORPORATION	LR5001	231202106	01/25/2024	12
CE	141222	Coaxial Cable	Fujikura,HP,Mini-Circuits,Fujikura	3D-2W(12m)/5D-2W(5m)/5D-2W(0.8m)/5D-2W(1m)	-	02/17/2024	12
CE	141290	Attenuator(13dB)	JFW Industries, Inc.	50FP-013H2 N	-	12/07/2023	12
CE	141357	LISN(AMN)	Schwarzbeck Mess-Elektronik OHG	NSLK8127	8127-729	07/05/2023	12
CE	141542	Digital Tester	Fluke Corporation	FLUKE 26-3	78030611	08/01/2023	12
CE	141951	EMI Test Receiver	Rohde & Schwarz	ESR26	101408	04/10/2023	12
CE	142228	Measure, Tape, Steel	KOMELON	KMC-36	-	-	-
CE	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
CE	244707	Thermo-Hygrometer	HIOKI E.E. CORPORATION	LR5001	231202102	01/25/2024	12

Test Equipment (2/2)

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	07/11/2023	12
RE	141317	Coaxial Cable	UL Japan	-	-	09/12/2023	12
RE	141427	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103B+BBA9106	08031	07/11/2023	12
RE	141503	Horn Antenna 18-26.5GHz	EMCO	3160-09	1265	06/23/2023	12
RE	141508	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	557	05/17/2023	12
RE	141517	Horn Antenna 26.5-40GHz	ETS-Lindgren	3160-10	152399	11/20/2023	12
RE	141542	Digital Tester	Fluke Corporation	FLUKE 26-3	78030611	08/01/2023	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	141884	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY44020357	03/13/2023	12
RE	141904	Spectrum Analyzer	Keysight Technologies Inc	N9030A	US51350215	11/08/2023	12
RE	141949	Test Receiver	Rohde & Schwarz	ESCI	100767	05/17/2023	12
RE	142004	AC2_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	12/12/2023	24
RE	142017	AC4_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-10005	10/11/2023	12
RE	142228	Measure, Tape, Steel	KOMELON	KMC-36	-	-	-
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	244707	Thermo-Hygrometer	HIOKI E.E. CORPORATION	LR5001	231202102	01/25/2024	12
RE	220646	Attenuator	Huber+Suhner	6806 N-50-1	-	03/17/2023	12
RE	234602	Microwave Cable	Huber+Suhner	SF126E/11PC35/11PC35/1000M,5000M	537063/126E / 537074/126E	03/16/2023	12
RE	238713	Double Ridge Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	688	08/10/2023	12
RE	244710	Thermo-Hygrometer	HIOKI E.E. CORPORATION	LR5001	231202104	01/25/2024	12
RE	141294	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCC	603	02/15/2024	12
RE	141227	Microwave Cable	Junkosha	MMX221-00500DMSDMS	1502S305	03/03/2023	12
RE	141567	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	0008	01/10/2024	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:

AT: Antenna Terminal Conducted test

CE: Conducted Emission

RE: Radiated Emission