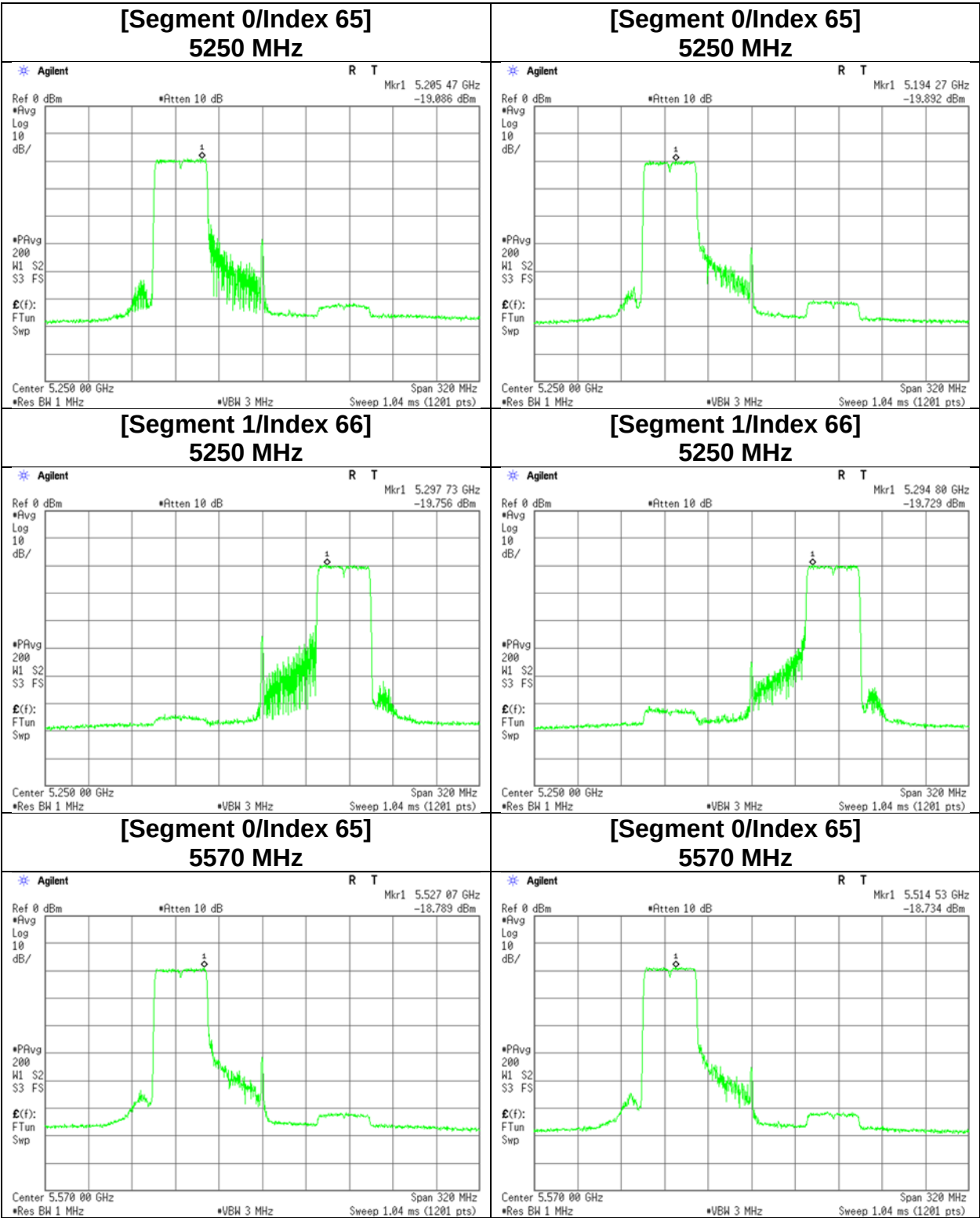


Maximum Power Spectral Density

11be-160 [484-tone RU]

Antenna 1

Antenna 3



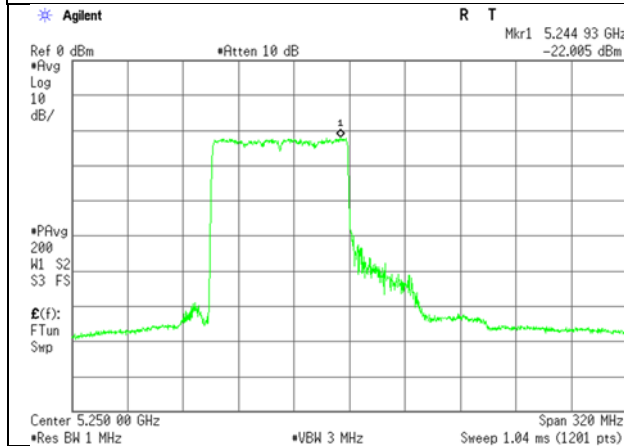
Maximum Power Spectral Density

11be-160 [996-tone RU]

Antenna 1

[Segment 0/Index 67]

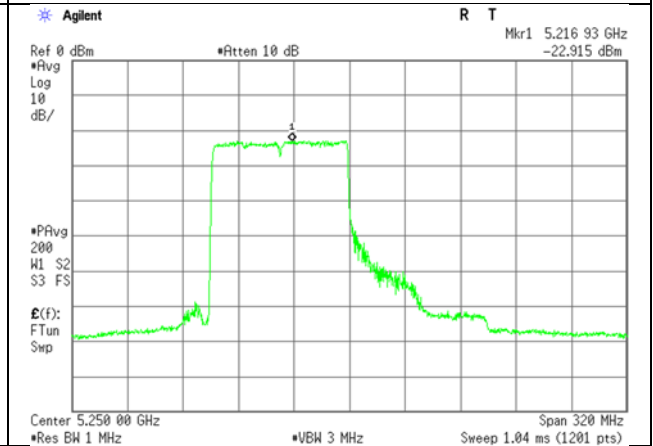
5250 MHz



Antenna 3

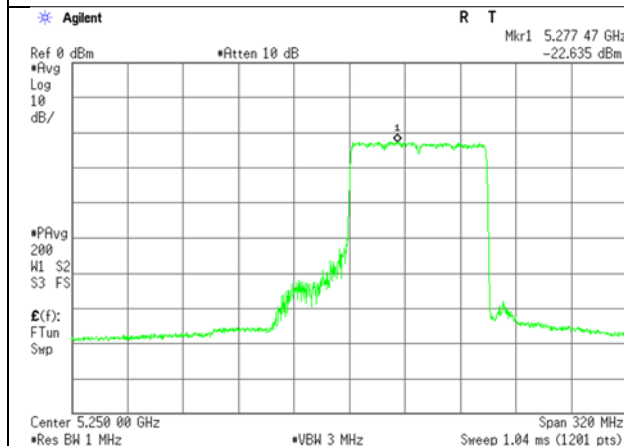
[Segment 0/Index 67]

5250 MHz



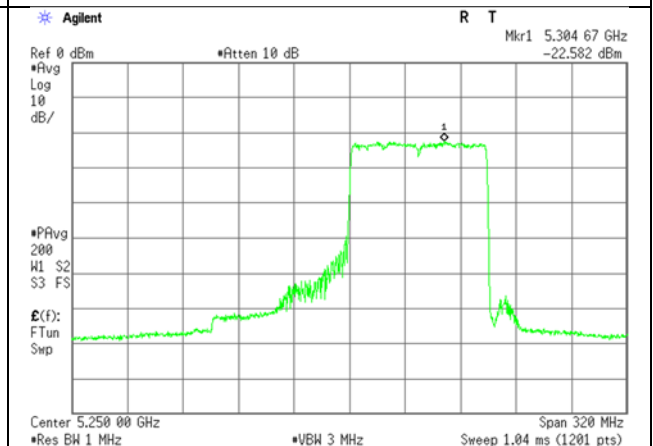
[Segment 1/Index 67]

5250 MHz



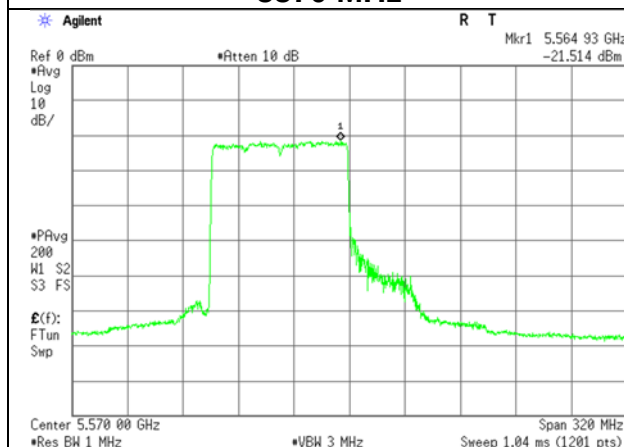
[Segment 1/Index 67]

5250 MHz



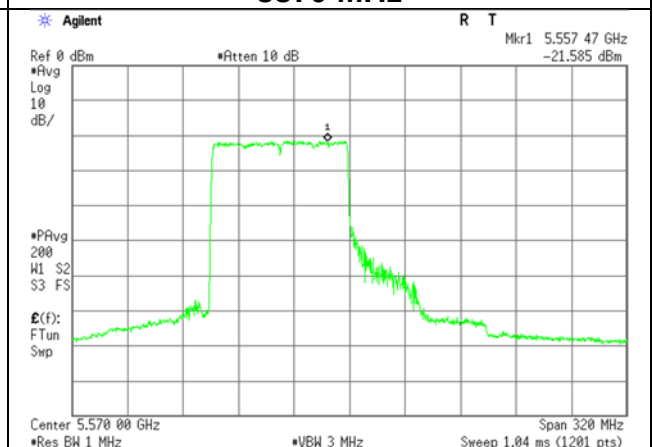
[Segment 0/Index 67]

5570 MHz



[Segment 0/Index 67]

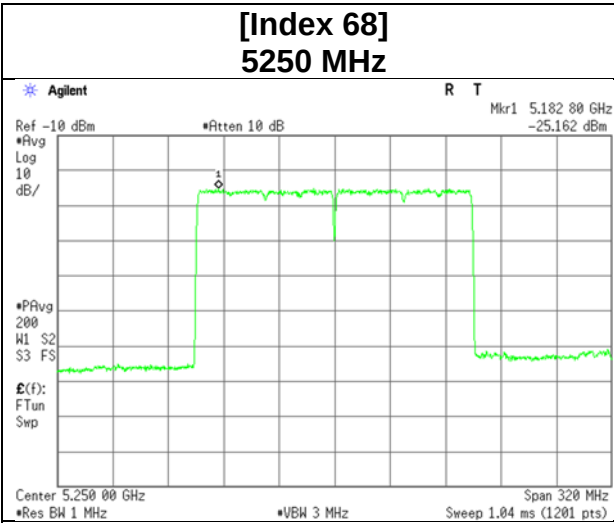
5570 MHz



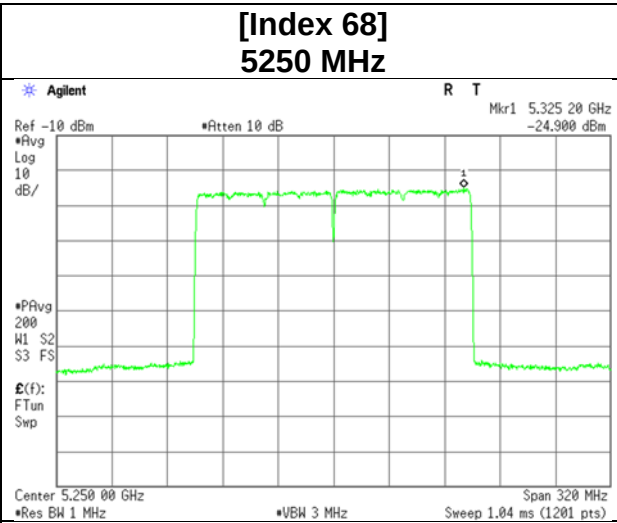
Maximum Power Spectral Density

11be-160 [2x996-tone RU]

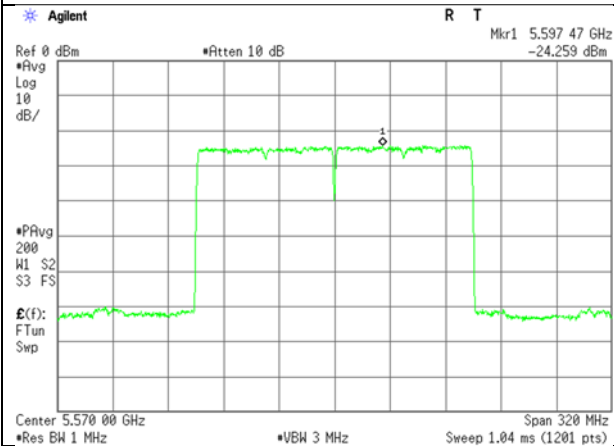
Antenna 1
[Index 68]
5250 MHz



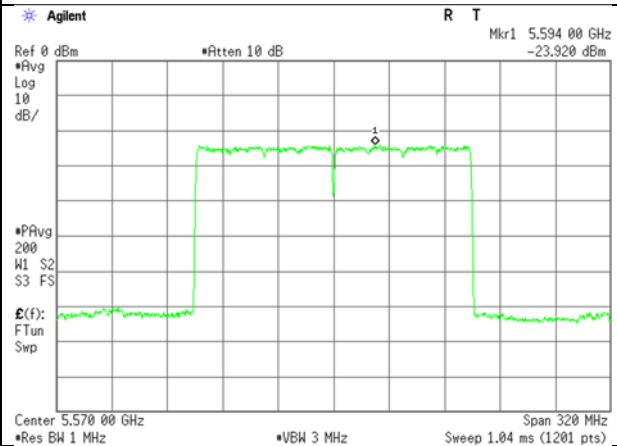
Antenna 3
[Index 68]
5250 MHz



[Index 68]
5570 MHz



[Index 68]
5570 MHz



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 20 deg. C / 41 % RH
Engineer Tomohisa Nakagawa 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 9, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Hiroyuki Furutaka
 (6 GHz to 10 GHz)
Mode Tx 11ac-20 5260 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.	10520.0	41.6	-	36.2	-0.5	32.6	-	44.8	-	68.2	-	23.4	-	Floor noise
Hori.	15780.0	44.3	35.6	39.7	1.1	32.2	-	52.9	44.2	73.9	53.9	21.0	9.7	Floor noise
Vert.	10520.0	42.2	-	36.2	-0.5	32.6	-	45.4	-	68.2	-	22.8	-	Floor noise
Vert.	15780.0	44.5	36.1	39.7	1.1	32.2	-	53.2	44.7	73.9	53.9	20.8	9.2	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 2, 2024	February 5, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 36 % RH	20 deg. C / 41 % RH
Engineer	Tomohisa Nakagawa (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 9, 2024			
Temperature / Humidity	23 deg. C / 35 % RH			
Engineer	Hiroyuki Furutaka (6 GHz to 10 GHz)			
Mode	Tx 11ac-20 5320 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	42.5	33.8	31.8	6.0	30.9	-	49.4	40.7	73.9	53.9	24.5	13.2	
Hori.	10640.0	42.0	34.8	36.7	-0.4	32.7	-	45.6	38.5	73.9	53.9	28.3	15.5	Floor noise
Hori.	15960.0	43.6	36.3	40.0	1.2	32.3	-	52.5	45.2	73.9	53.9	21.4	8.7	Floor noise
Vert.	5350.0	41.8	33.7	31.8	6.0	30.9	-	48.7	40.6	73.9	53.9	25.2	13.3	
Vert.	10640.0	41.5	35.5	36.7	-0.4	32.7	-	45.1	39.1	73.9	53.9	28.8	14.8	Floor noise
Vert.	15960.0	43.9	36.3	40.0	1.2	32.3	-	52.8	45.2	73.9	53.9	21.1	8.7	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.

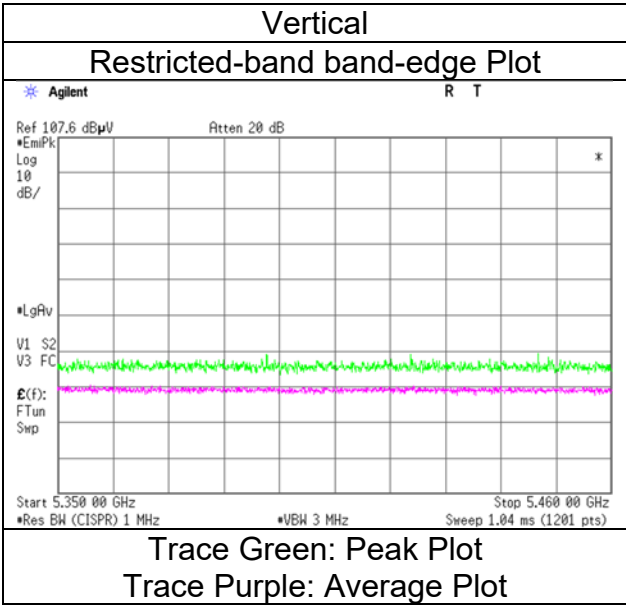
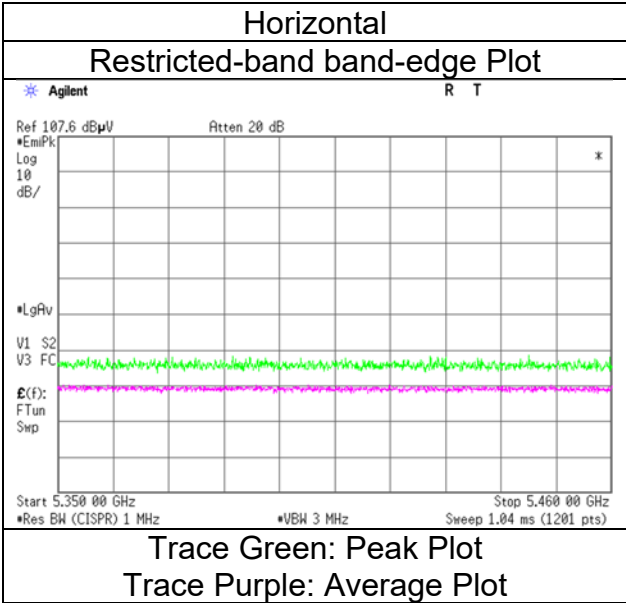
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
20 deg. C / 41 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11ac-20 5320 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	20 deg. C / 41 % RH
Engineer	Tomohisa Nakagawa (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 9, 2024			
Temperature / Humidity	23 deg. C / 35 % RH			
Engineer	Hiroyuki Furutaka (6 GHz to 10 GHz)			
Mode	Tx 11be-20 [OFDM] 5180 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	42.0	33.6	32.1	5.9	30.9	-	49.2	40.8	73.9	53.9	24.7	13.1	
Hori.	10360.0	41.4	-	36.1	-0.5	32.6	-	44.3	-	68.2	-	23.9	-	Floor noise
Hori.	15540.0	43.7	36.9	39.4	1.1	32.2	-	52.0	45.2	73.9	53.9	21.9	8.7	Floor noise
Vert.	5150.0	40.8	32.3	32.1	5.9	30.9	-	48.0	39.5	73.9	53.9	25.9	14.4	
Vert.	10360.0	41.6	-	36.1	-0.5	32.6	-	44.5	-	68.2	-	23.7	-	Floor noise
Vert.	15540.0	44.2	37.1	39.4	1.1	32.2	-	52.5	45.3	73.9	53.9	21.4	8.6	Floor noise

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

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

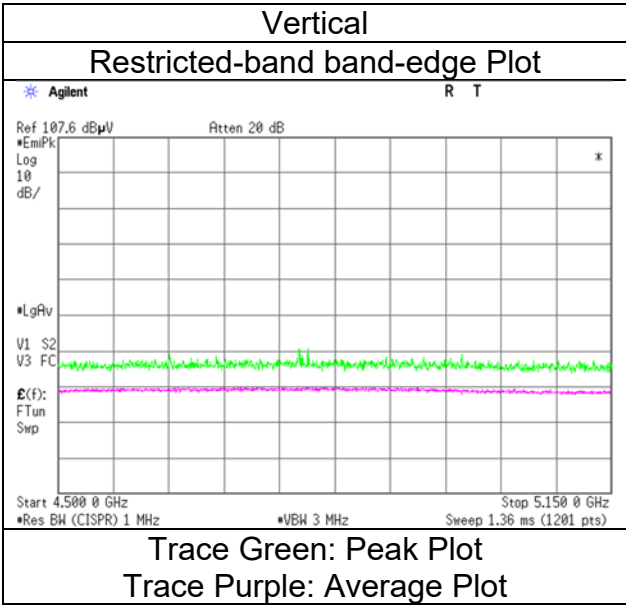
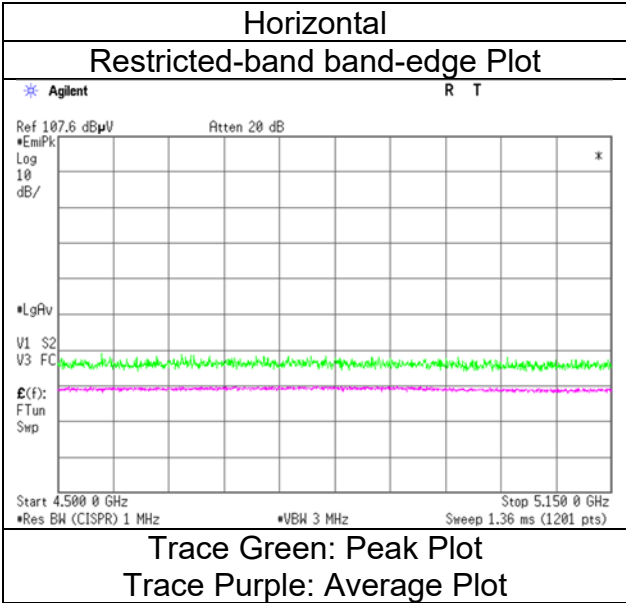
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 6 GHz	20log (3.95 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	20 deg. C / 41 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [OFDM] 5180 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 20 deg. C / 41 % RH
Engineer Tomohisa Nakagawa 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 9, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Hiroyuki Furutaka
 (6 GHz to 10 GHz)
Mode Tx 11be-20 [OFDM] 5260 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.	10520.0	41.4	-	36.2	-0.5	32.6	-	44.5	-	68.2	-	23.7	-	Floor noise
Hori.	15780.0	43.5	36.4	39.7	1.1	32.2	-	52.1	45.1	73.9	53.9	21.8	8.8	Floor noise
Vert.	10520.0	41.2	-	36.2	-0.5	32.6	-	44.3	-	68.2	-	23.9	-	Floor noise
Vert.	15780.0	44.2	36.1	39.7	1.1	32.2	-	52.8	44.8	73.9	53.9	21.1	9.2	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 2, 2024	February 5, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 36 % RH	20 deg. C / 41 % RH
Engineer	Tomohisa Nakagawa (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 9, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Hiroyuki Furutaka (6 GHz to 10 GHz)
Mode	Tx 11be-20 [OFDM] 5320 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor	[dB]	[dB]	[dB]	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]				[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	42.9	34.0	31.8	6.0	30.9	-	49.8	40.9	73.9	53.9	24.1	13.0	
Hori.	10640.0	34.6	43.0	36.7	-0.4	32.7	-	38.2	46.6	73.9	53.9	35.7	7.3	Floor noise
Hori.	15960.0	43.3	37.0	40.0	1.2	32.3	-	52.2	45.9	73.9	53.9	21.7	8.0	Floor noise
Vert.	5350.0	42.0	33.4	31.8	6.0	30.9	-	48.9	40.3	73.9	53.9	25.0	13.6	
Vert.	10640.0	41.9	41.9	36.7	-0.4	32.7	-	45.6	45.6	73.9	53.9	28.3	8.3	Floor noise
Vert.	15960.0	43.4	37.2	40.0	1.2	32.3	-	52.3	46.1	73.9	53.9	21.6	7.8	Floor noise

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

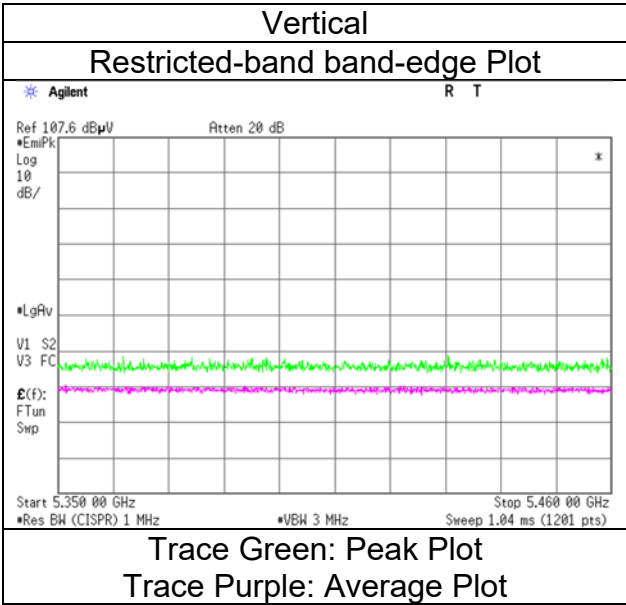
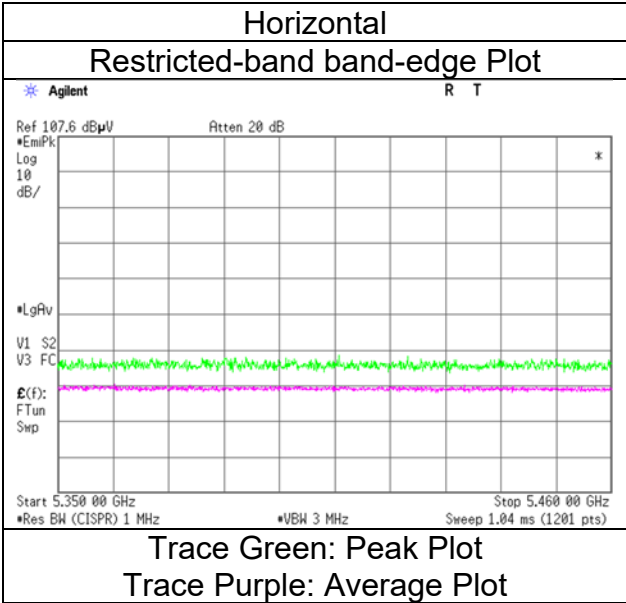
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
20 deg. C / 41 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [OFDM] 5320 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 6, 2024
Temperature / Humidity 24 deg. C / 45 % RH 21 deg. C / 45 % RH 21 deg. C / 36 % RH 21 deg. C / 40 % RH
Engineer Tomohisa Nakagawa 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-20 [OFDM] 5500 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	42.8	33.7	32.0	6.2	30.9	-	50.0	40.9	68.2	53.9	18.2	13.0	
Hori.	5470.0	43.1	-	32.0	6.2	30.9	-	50.3	-	68.2	-	17.9	-	
Hori.	11000.0	43.4	36.0	37.4	-0.3	32.8	-	47.8	40.4	73.9	53.9	26.1	13.6	Floor noise
Hori.	16500.0	44.5	-	39.9	1.4	32.3	-	53.5	-	68.2	-	14.7	-	Floor noise
Vert.	5460.0	42.6	33.4	32.0	6.2	30.9	-	49.8	40.6	68.2	53.9	18.4	13.3	
Vert.	5470.0	42.7	-	32.0	6.2	30.9	-	49.9	-	68.2	-	18.3	-	
Vert.	11000.0	43.5	35.6	37.4	-0.3	32.8	-	47.9	40.0	73.9	53.9	26.0	13.9	Floor noise
Vert.	16500.0	45.7	-	39.9	1.4	32.3	-	54.6	-	68.2	-	13.6	-	Floor noise

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

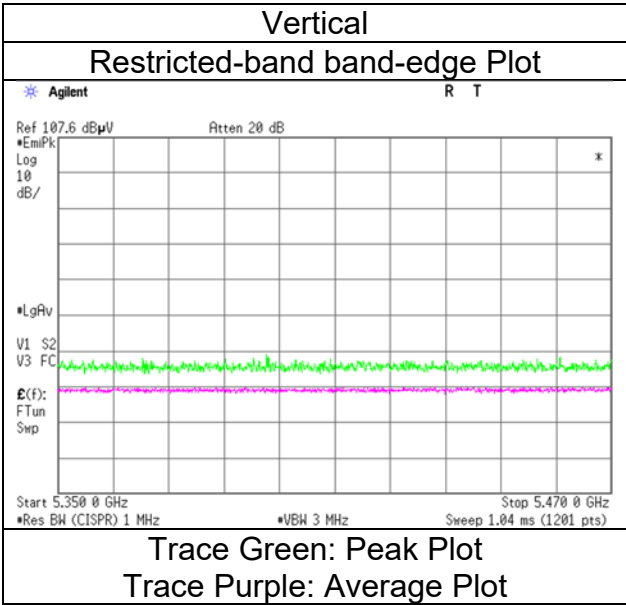
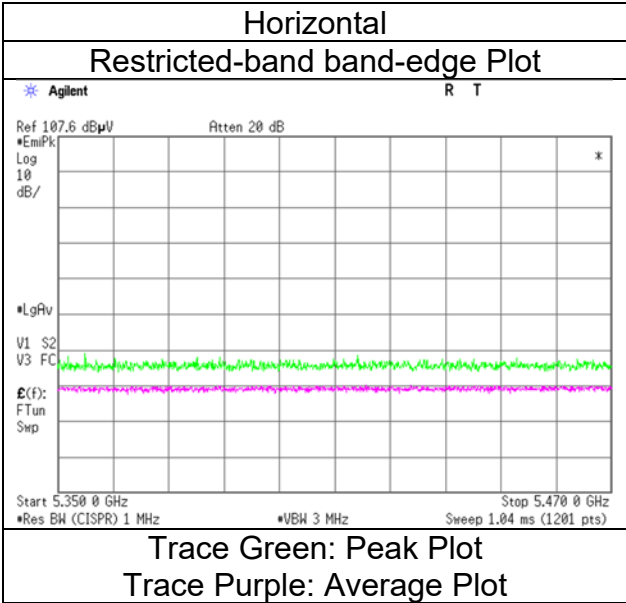
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [OFDM] 5500 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 6, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 36 % RH	21 deg. C / 40 % RH
Engineer	Tomohisa Nakagawa (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-20 [OFDM] 5580 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.	11160.0	42.9	35.8	37.4	-0.2	32.8	-	47.3	40.2	73.9	53.9	26.6	13.7	Floor noise
Hori.	16740.0	44.5	-	39.6	1.5	32.3	-	53.3	-	68.2	-	14.9	-	Floor noise
Vert.	11160.0	42.7	34.9	37.4	-0.2	32.8	-	47.1	39.3	73.9	53.9	26.8	14.6	Floor noise
Vert.	16740.0	43.8	-	39.6	1.5	32.3	-	52.6	-	68.2	-	15.6	-	Floor noise

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

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

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

*QP detector was used up to 1GHz.

Distance factor:	1 GHz - 6 GHz	20log (3.95 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 2, 2024 February 6, 2024
Temperature / Humidity 24 deg. C / 45 % RH 21 deg. C / 45 % RH 21 deg. C / 36 % RH 21 deg. C / 40 % RH
Engineer Tomohisa Nakagawa 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-20 [OFDM] 5700 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor	[dB]	[dB]	[dB]	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]				[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	43.6	-	32.4	6.3	31.0	-	51.2	-	68.2	-	17.0	-	
Hori.	11400.0	42.8	34.8	37.6	-0.2	32.7	-	47.5	39.5	73.9	53.9	26.4	14.4	Floor noise
Hori.	17100.0	44.4	-	39.8	1.6	32.4	-	53.5	-	68.2	-	14.8	-	Floor noise
Vert.	5725.0	43.4	-	32.4	6.3	31.0	-	51.0	-	68.2	-	17.2	-	
Vert.	11400.0	43.4	35.2	37.6	-0.2	32.7	-	48.1	39.9	73.9	53.9	25.8	14.0	Floor noise
Vert.	17100.0	46.0	-	39.8	1.6	32.4	-	55.0	-	68.2	-	13.2	-	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.

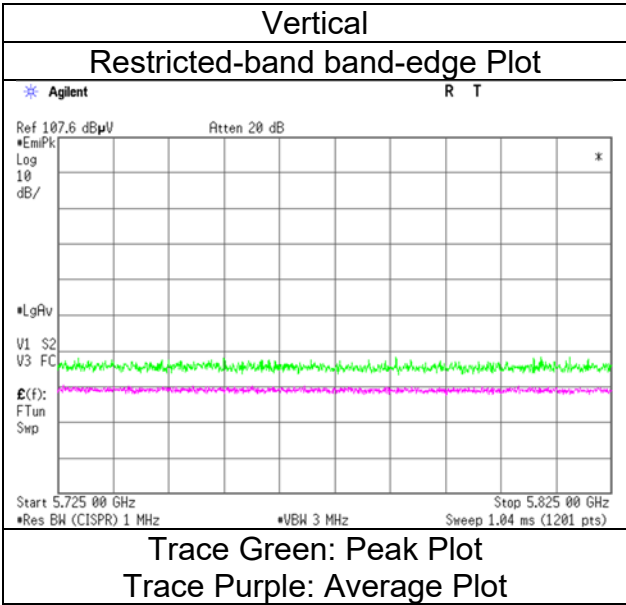
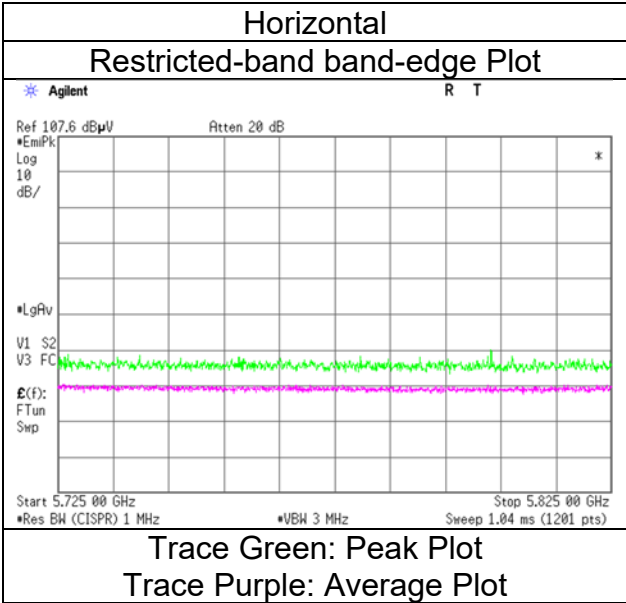
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [OFDM] 5700 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 22 deg. C / 42 % RH 21 deg. C / 45 % RH 21 deg. C / 40 % RH 21 deg. C / 40 % 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 14, 2024
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Nachi Konegawa
 (6 GHz to 10 GHz)
Mode Tx 11be-20 [OFDM] 5745 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.	5650.0	42.2	-	32.2	6.1	31.0	-	49.5	-	68.2	-	18.7	-	
Hori.	5700.0	42.7	-	32.3	6.2	31.0	-	50.1	-	105.2	-	55.1	-	
Hori.	5720.0	46.2	-	32.3	6.2	31.0	-	53.7	-	110.8	-	57.1	-	
Hori.	5725.0	48.5	-	32.4	6.2	31.0	-	56.1	-	122.2	-	66.2	-	
Hori.	11490.0	43.4	34.7	37.7	-0.2	32.7	-	48.3	39.5	73.9	53.9	25.6	14.4	Floor noise
Hori.	17235.0	44.9	-	39.9	1.7	32.4	-	54.2	-	68.2	-	14.0	-	Floor noise
Vert.	5650.0	42.1	-	32.2	6.1	31.0	-	49.4	-	68.2	-	18.8	-	
Vert.	5700.0	42.2	-	32.3	6.2	31.0	-	49.6	-	105.2	-	55.6	-	
Vert.	5720.0	45.2	-	32.3	6.2	31.0	-	52.7	-	110.8	-	58.1	-	
Vert.	5725.0	46.1	-	32.4	6.2	31.0	-	53.6	-	122.2	-	68.6	-	
Vert.	11490.0	42.8	35.2	37.7	-0.2	32.7	-	47.6	40.1	73.9	53.9	26.3	13.8	Floor noise
Vert.	17235.0	45.1	-	39.9	1.7	32.4	-	54.4	-	68.2	-	13.8	-	Floor noise

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

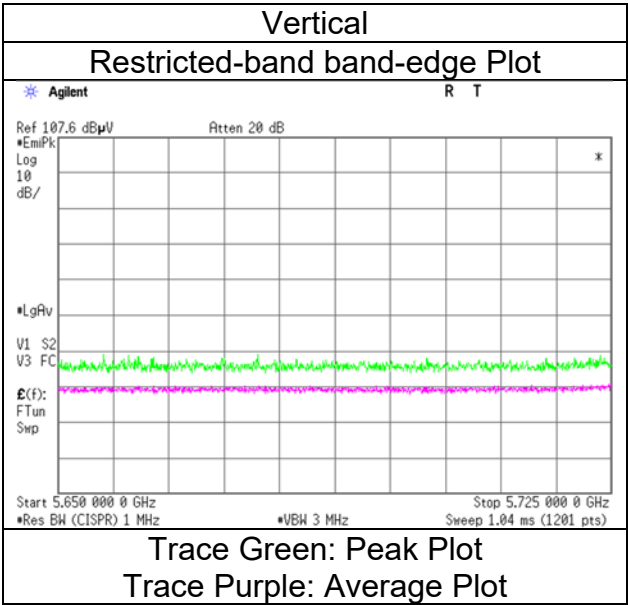
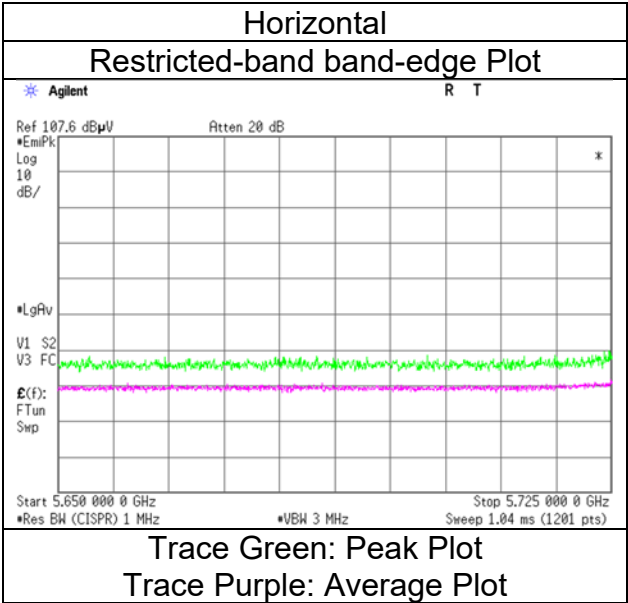
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [OFDM] 5745 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)	Tetsuro Yoshida (1 GHz to 6 GHz)

Semi Anechoic Chamber	No.4
Date	February 14, 2024
Temperature / Humidity	21 deg. C / 45 % RH
Engineer	Nachi Konegawa (6 GHz to 10 GHz)
Mode	Tx 11be-20 [OFDM] 5785 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.	11570.0	42.6	35.1	37.8	-0.2	32.7	-	47.5	40.0	73.9	53.9	26.4	13.9	Floor noise
Hori.	17355.0	44.7	-	40.1	1.7	32.4	-	54.1	-	68.2	-	14.1	-	Floor noise
Vert.	11570.0	43.2	35.4	37.8	-0.2	32.7	-	48.1	40.3	73.9	53.9	25.8	13.6	Floor noise
Vert.	17355.0	45.9	-	40.1	1.7	32.4	-	55.3	-	68.2	-	12.9	-	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	$20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$
	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 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 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 14, 2024
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Nachi Konegawa
 (6 GHz to 10 GHz)
Mode Tx 11be-20 [OFDM] 5825 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	43.3	-	32.7	6.2	31.1	-	51.2	-	122.2	-	71.1	-	
Hori.	5855.0	42.3	-	32.7	6.2	31.1	-	50.1	-	110.8	-	60.7	-	
Hori.	5875.0	41.7	-	32.7	6.2	31.1	-	49.5	-	105.2	-	55.7	-	
Hori.	5925.0	41.4	-	32.8	6.2	31.1	-	49.3	-	68.2	-	18.9	-	
Hori.	11650.0	43.8	34.9	37.8	-0.2	32.6	-	48.8	39.9	73.9	53.9	25.1	14.1	Floor noise
Hori.	17475.0	44.6	-	40.2	1.7	32.4	-	54.2	-	68.2	-	14.0	-	Floor noise
Vert.	5850.0	43.4	-	32.7	6.2	31.1	-	51.2	-	122.2	-	71.0	-	
Vert.	5855.0	41.9	-	32.7	6.2	31.1	-	49.7	-	110.8	-	61.1	-	
Vert.	5875.0	41.1	-	32.7	6.2	31.1	-	48.9	-	105.2	-	56.3	-	
Vert.	5925.0	40.9	-	32.8	6.2	31.1	-	48.8	-	68.2	-	19.4	-	
Vert.	11650.0	43.4	35.2	37.8	-0.2	32.6	-	48.4	40.2	73.9	53.9	25.5	13.7	Floor noise
Vert.	17475.0	44.5	-	40.2	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.

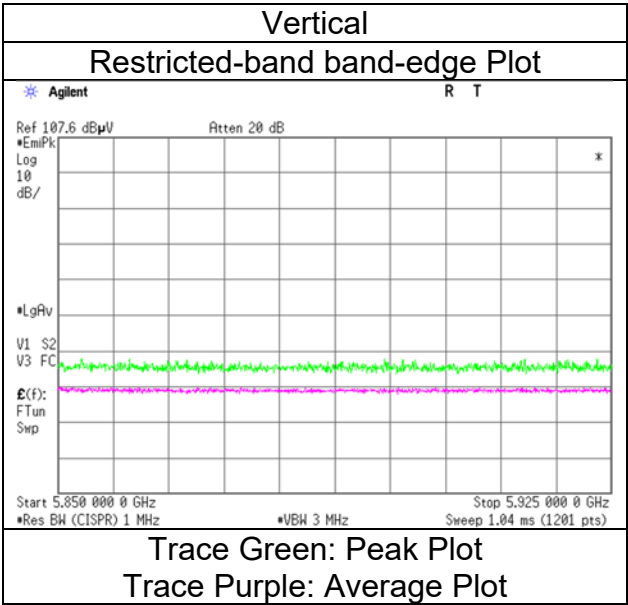
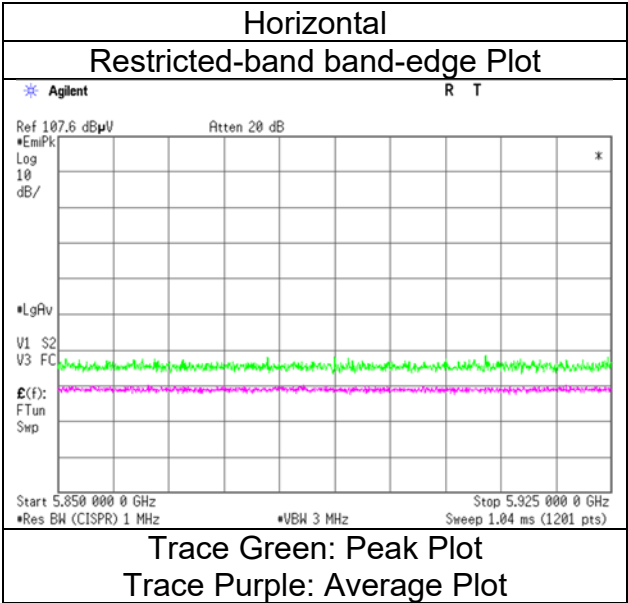
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [OFDM] 5825 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [26-tone RU/Index 0] 5180 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	31.9	32.1	5.9	30.9	0.2	47.8	39.4	73.9	53.9	26.1	14.6	*1)
Vert.	5150.0	40.3	31.8	32.1	5.9	30.9	0.2	47.5	39.3	73.9	53.9	26.4	14.7	*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)

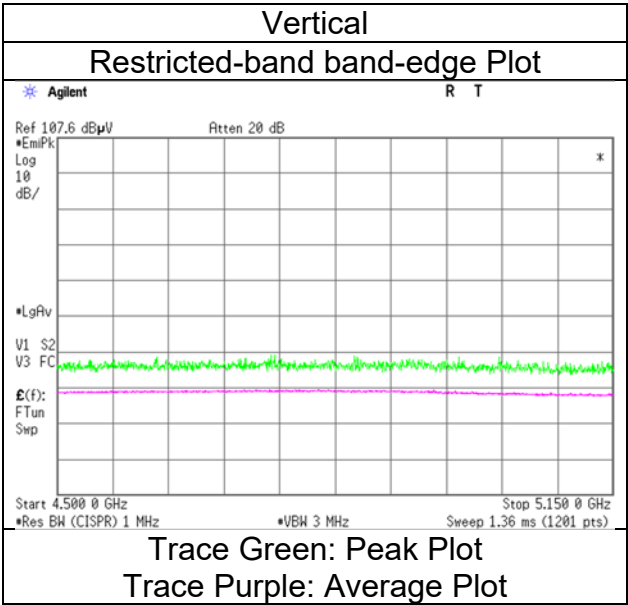
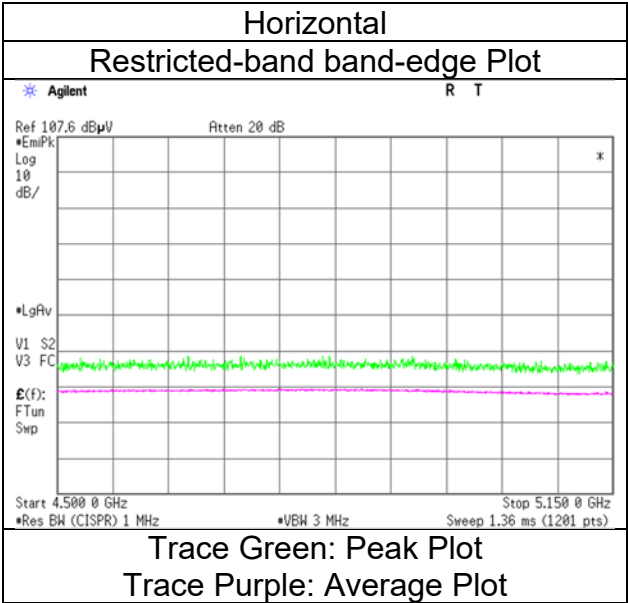
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 0] 5180 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [52-tone RU/Index 37] 5180 MHz

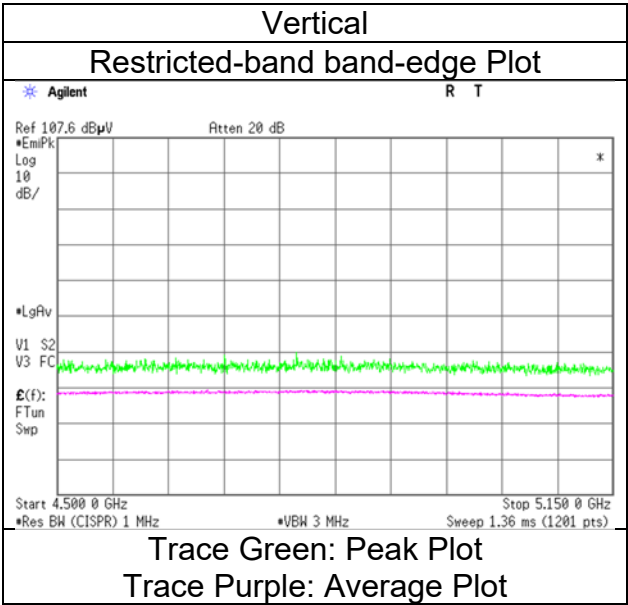
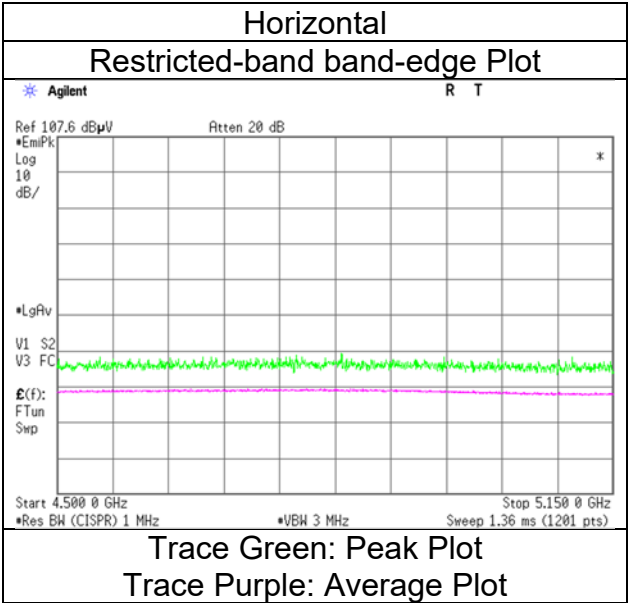
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	40.1	32.1	32.1	5.9	30.9	0.3	47.3	39.6	73.9	53.9	26.6	14.3	*1)
Vert.	5150.0	39.9	31.9	32.1	5.9	30.9	0.3	47.1	39.4	73.9	53.9	26.8	14.5	*1)

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

Distance factor: 1 GHz - 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [52-tone RU/Index 37] 5180 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [106-tone RU/Index 53] 5180 MHz

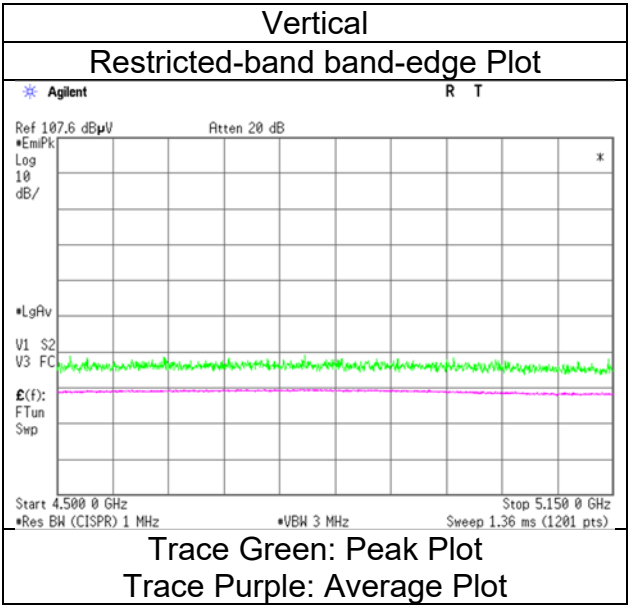
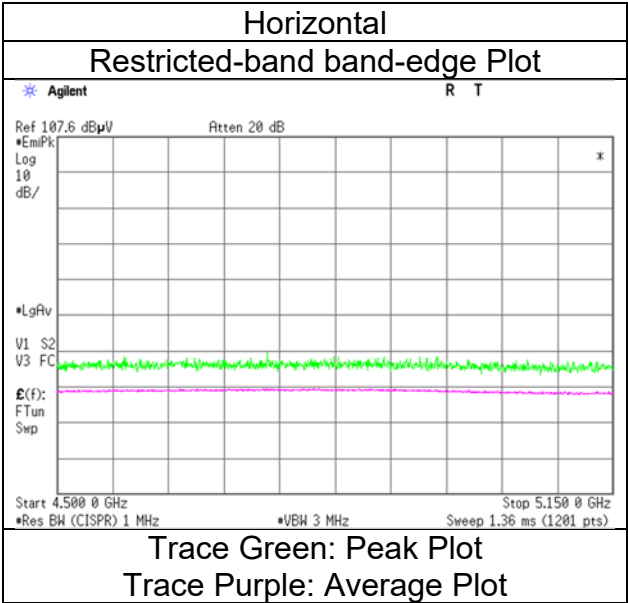
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	40.5	32.1	32.1	5.9	30.9	0.3	47.7	39.6	73.9	53.9	26.2	14.3	*1)
Vert.	5150.0	41.1	32.3	32.1	5.9	30.9	0.3	48.3	39.8	73.9	53.9	25.6	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	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [106-tone RU/Index 53] 5180 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [242-tone RU/Index 61] 5180 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	33.5	32.1	5.9	30.9	0.4	48.9	41.1	73.9	53.9	25.0	12.8	*1)
Vert.	5150.0	41.4	32.7	32.1	5.9	30.9	0.4	48.6	40.3	73.9	53.9	25.3	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)

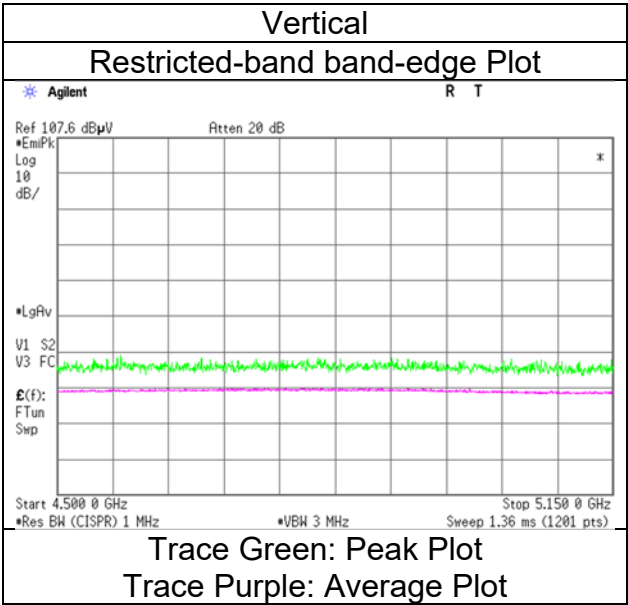
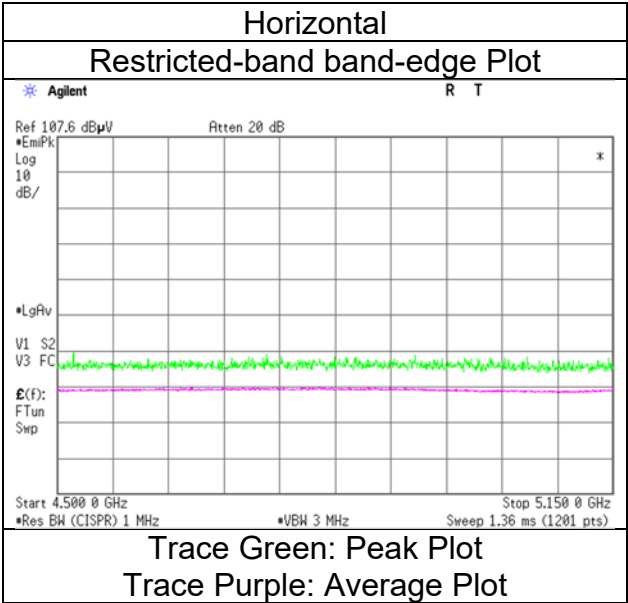
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [242-tone RU/Index 61] 5180 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [26-tone RU/Index 8] 5320 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	40.0	31.9	31.8	6.0	30.9	0.2	46.9	39.0	73.9	53.9	27.0	14.9	*1)
Vert.	5350.0	41.8	32.2	31.8	6.0	30.9	0.2	48.7	39.3	73.9	53.9	25.2	14.6	*1)

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

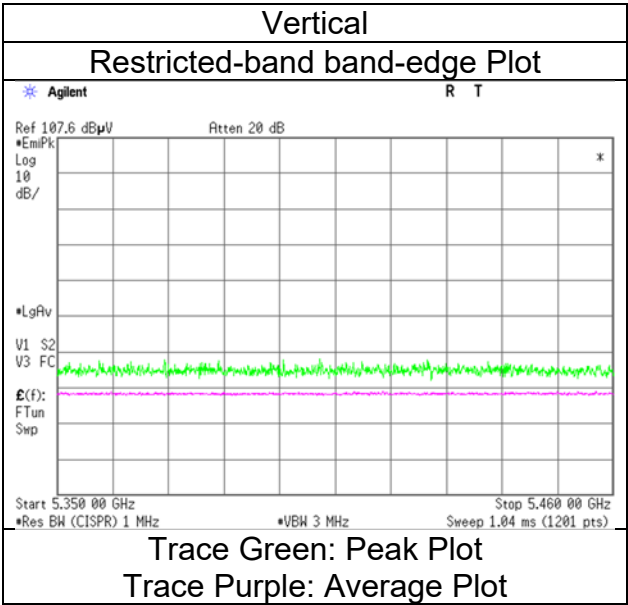
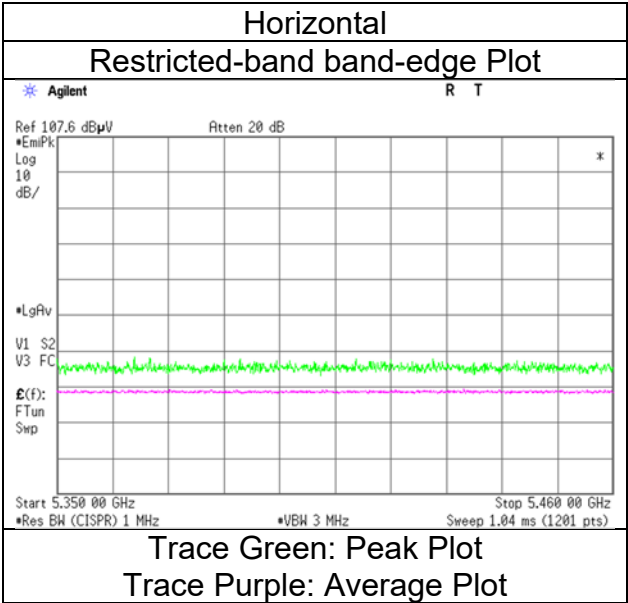
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 8] 5320 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [52-tone RU/Index 40] 5320 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	40.6	32.1	31.8	6.0	30.9	0.3	47.5	39.2	73.9	53.9	26.4	14.7	*1)
Vert.	5350.0	41.9	32.0	31.8	6.0	30.9	0.3	48.8	39.1	73.9	53.9	25.1	14.8	*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)

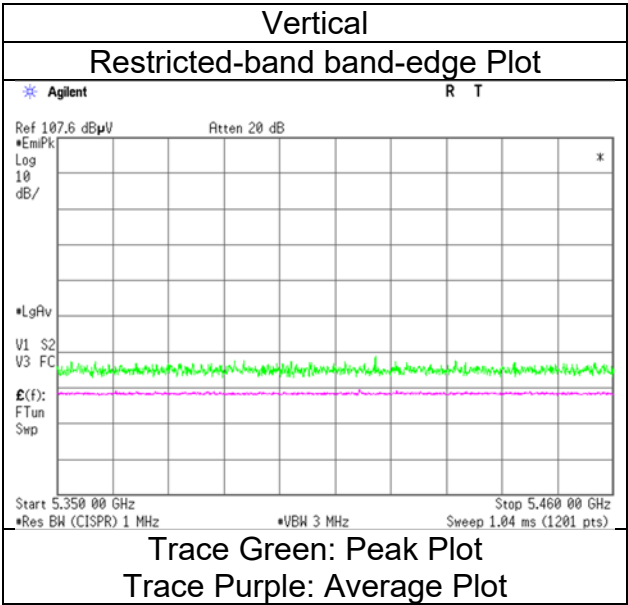
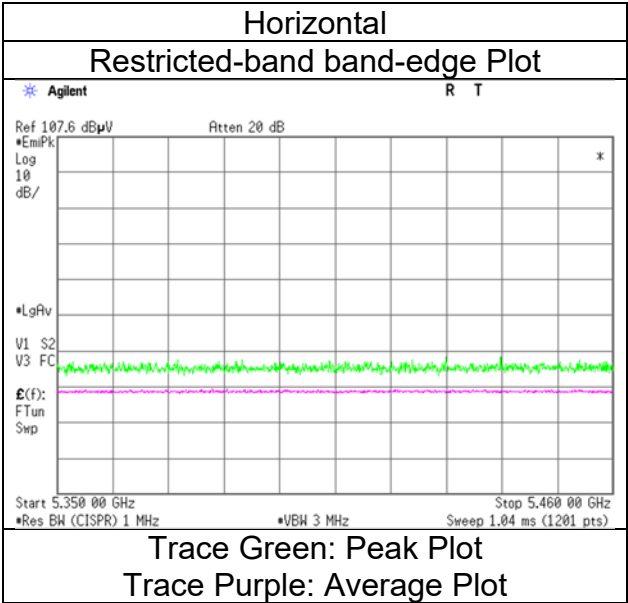
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [52-tone RU/Index 40] 5320 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
(1 GHz to 6 GHz)
Mode Tx 11be-20 [106-tone RU/Index 54] 5320 MHz

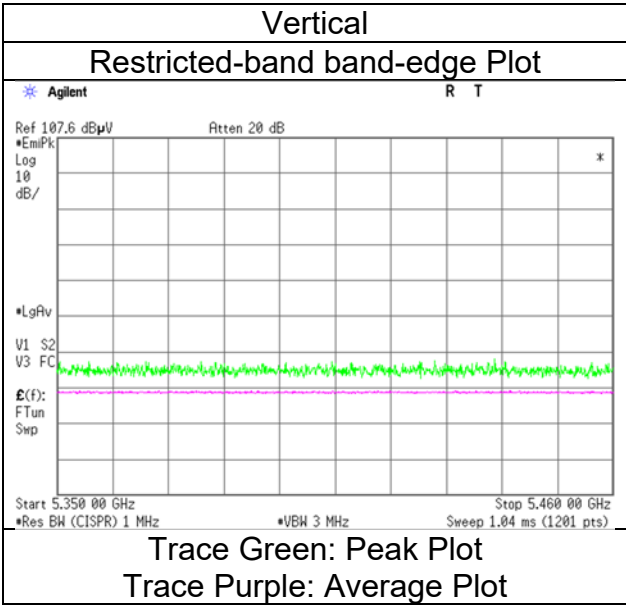
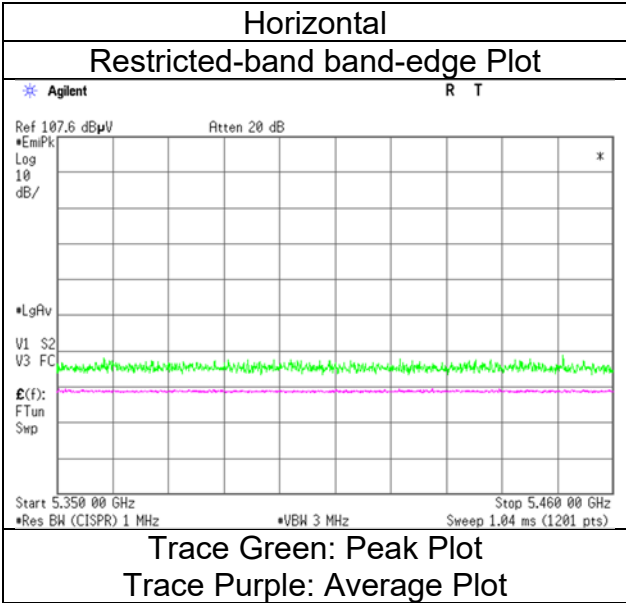
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	40.8	32.8	31.8	6.0	30.9	0.3	47.7	40.0	73.9	53.9	26.2	13.9	*1)
Vert.	5350.0	41.5	32.5	31.8	6.0	30.9	0.3	48.4	39.7	73.9	53.9	25.5	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	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [106-tone RU/Index 54] 5320 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka (1 GHz to 6 GHz)
Mode	Tx 11be-20 [242-tone RU/Index 61] 5320 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	43.1	34.1	31.8	6.0	30.9	0.4	50.0	41.3	73.9	53.9	23.9	12.6	*1)
Vert.	5350.0	41.7	32.9	31.8	6.0	30.9	0.4	48.6	40.1	73.9	53.9	25.3	13.8	*1)

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).

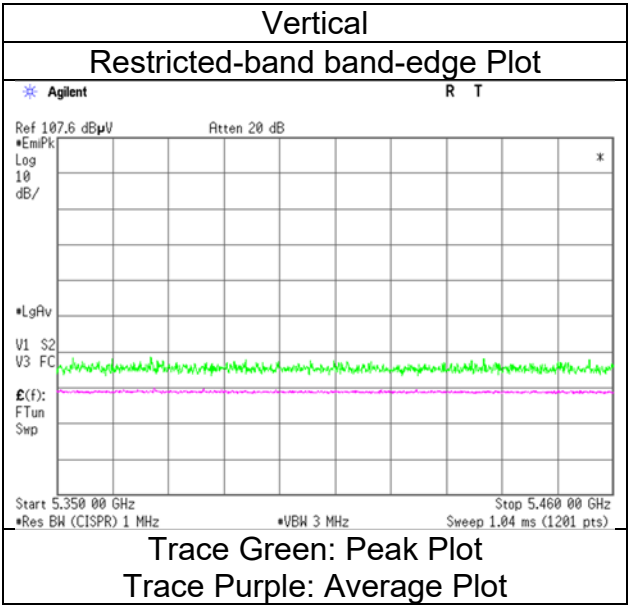
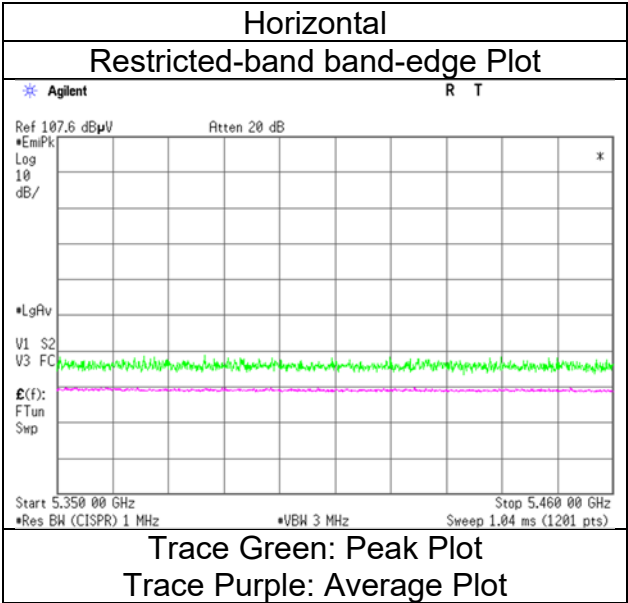
*QP detector was used up to 1 GHz.

*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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [242-tone RU/Index 61] 5320 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 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 0] 5500 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	40.7	31.9	32.0	6.1	30.9	0.2	47.8	39.2	68.2	53.9	20.4	14.7	*1)
Hori.	5470.0	40.8	-	32.0	6.1	30.9	-	47.9	-	68.2	-	20.3	-	
Vert.	5460.0	41.2	32.0	32.0	6.1	30.9	0.2	48.3	39.3	68.2	53.9	19.9	14.6	*1)
Vert.	5470.0	41.2	-	32.0	6.1	30.9	-	48.3	-	68.2	-	19.9	-	

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

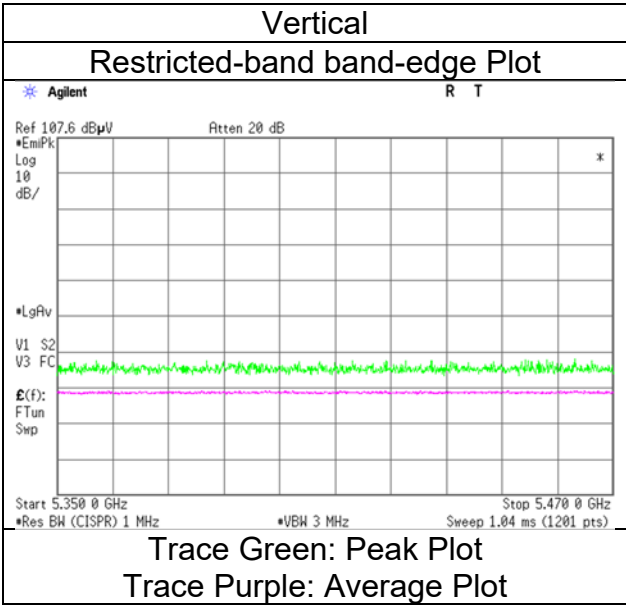
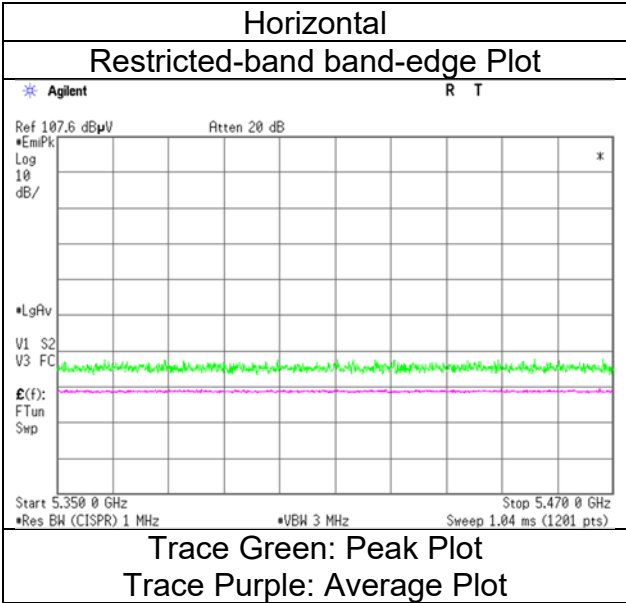
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 0] 5500 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka (1 GHz to 6 GHz)
Mode	Tx 11be-20 [52-tone RU/Index 37] 5500 MHz

Polarity	Frequency	Reading (QP / PK)	Reading (dV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (dV)	Limit (QP / PK)	Limit (dV)	Margin (QP / PK)	Margin (dV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	40.7	32.2	32.0	6.1	30.9	0.3	47.8	39.6	68.2	53.9	20.4	14.3	*1)
Hori.	5470.0	41.0	-	32.0	6.1	30.9	-	48.1	-	68.2	-	20.1	-	
Vert.	5460.0	41.1	32.0	32.0	6.1	30.9	0.3	48.2	39.4	68.2	53.9	20.0	14.5	*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)

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

*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.

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

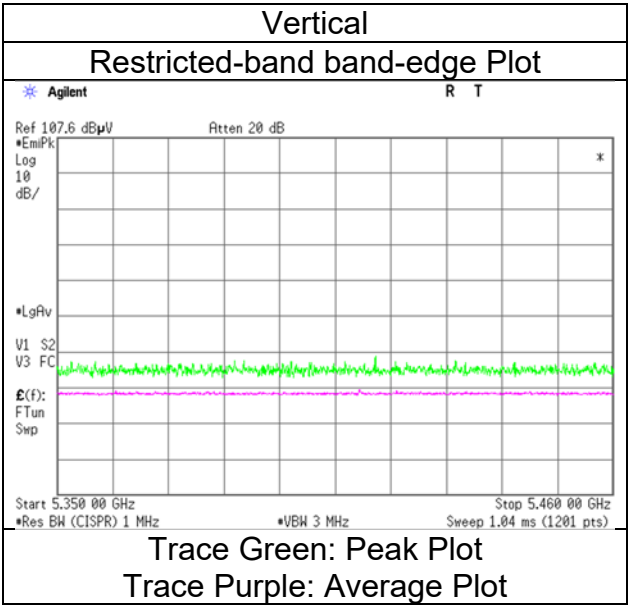
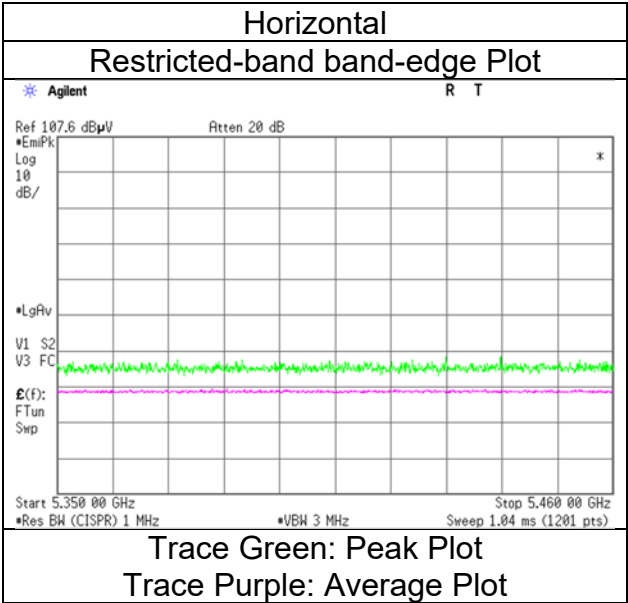
Distance factor: 1 GHz - 6 GHz $20\log (3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [52-tone RU/Index 37] 5500 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 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [106-tone RU/Index 53] 5500 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	42.1	33.4	32.0	6.1	30.9	0.3	49.2	40.8	68.2	53.9	19.0	13.1	*1)
Hori.	5470.0	42.0	-	32.0	6.1	30.9	-	49.1	-	68.2	-	19.1	-	
Vert.	5460.0	40.8	32.8	32.0	6.1	30.9	0.3	47.9	40.2	68.2	53.9	20.3	13.7	*1)
Vert.	5470.0	41.6	-	32.0	6.1	30.9	-	48.7	-	68.2	-	19.5	-	

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

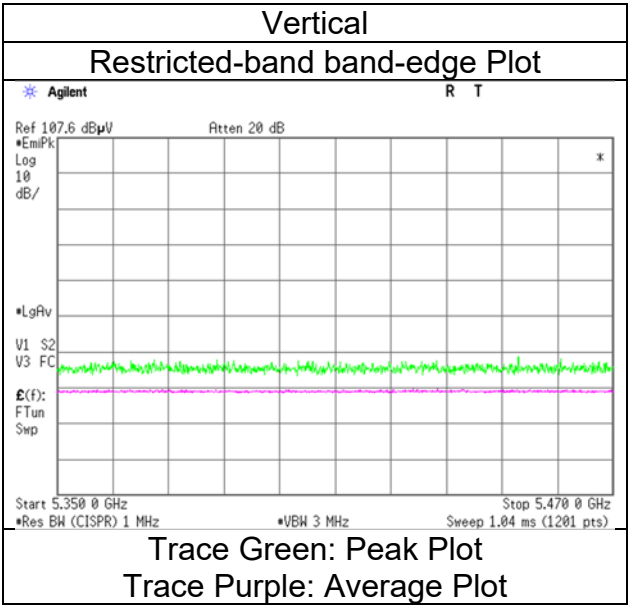
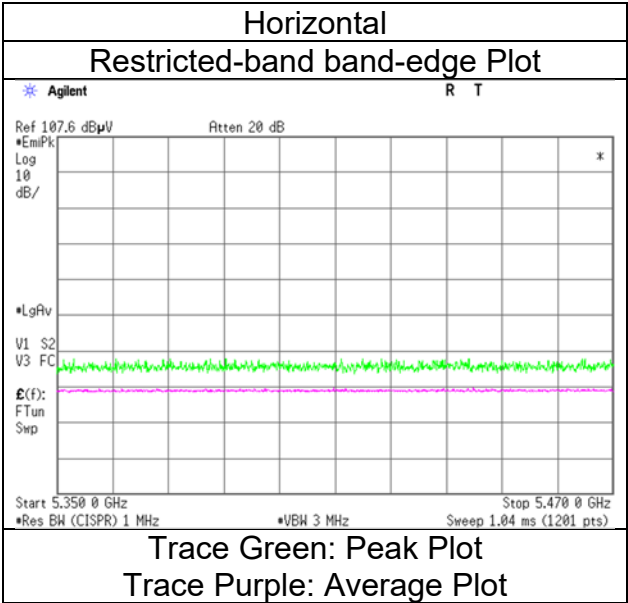
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [106-tone RU/Index 53] 5500 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 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [242-tone RU/Index 61] 5500 MHz

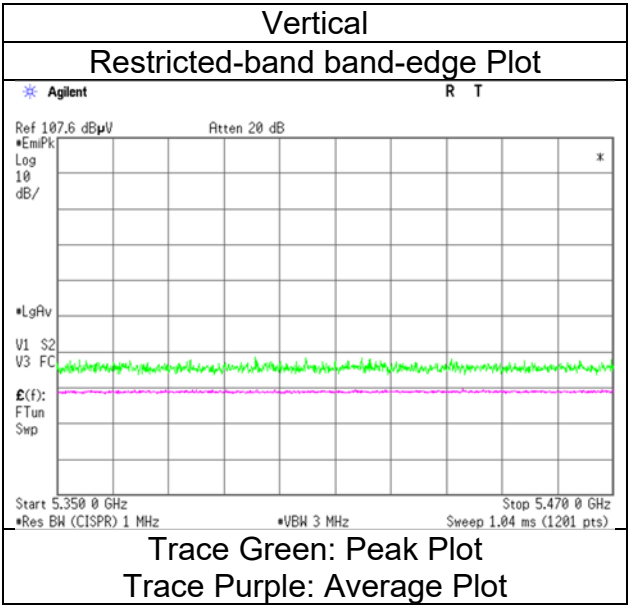
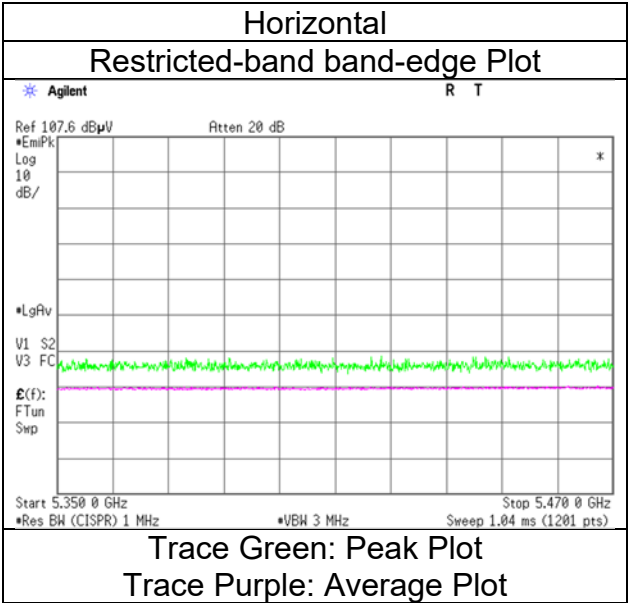
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	43.3	34.2	32.0	6.1	30.9	0.4	50.4	41.6	68.2	53.9	17.8	12.3	*1)
Hori.	5470.0	44.6	-	32.0	6.1	30.9	-	51.7	-	68.2	-	16.5	-	
Vert.	5460.0	41.7	33.3	32.0	6.1	30.9	0.4	48.8	40.7	68.2	53.9	19.4	13.2	*1)
Vert.	5470.0	42.1	-	32.0	6.1	30.9	-	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
*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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [242-tone RU/Index 61] 5500 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 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 8] 5700 MHz

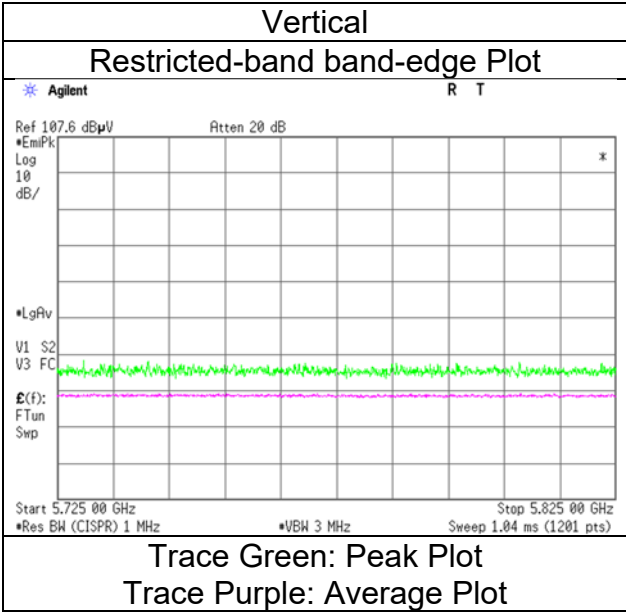
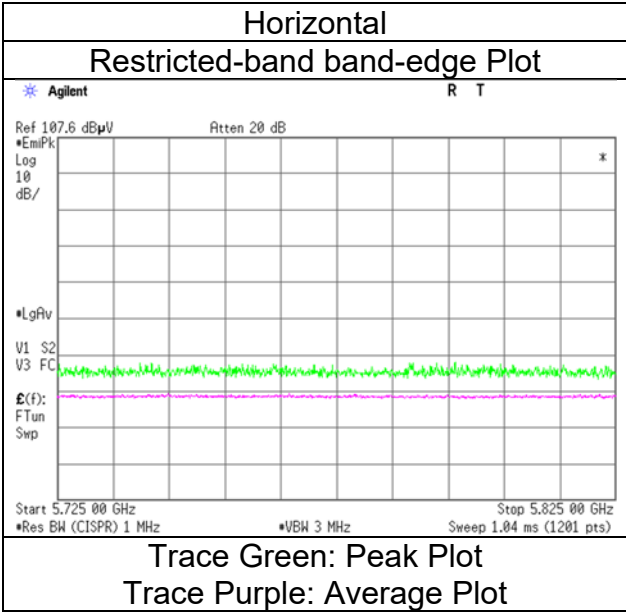
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	41.3	-	32.4	6.2	31.0	-	48.8	-	68.2	-	19.4	-	
Vert.	5725.0	40.5	-	32.4	6.2	31.0	-	48.0	-	68.2	-	20.2	-	

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	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka
	(1 GHz to 6 GHz)
Mode	Tx 11be-20 [26-tone RU/Index 8] 5700 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka (1 GHz to 6 GHz)
Mode	Tx 11be-20 [52-tone RU/Index 40] 5700 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	42.0	-	32.4	6.2	31.0	-	49.5	-	68.2	-	18.7	-	
Vert.	5725.0	40.9	-	32.4	6.2	31.0	-	48.4	-	68.2	-	19.8	-	

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.

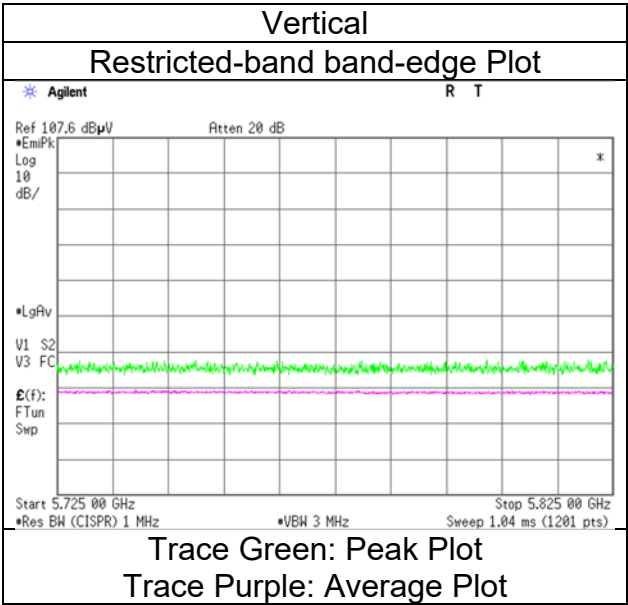
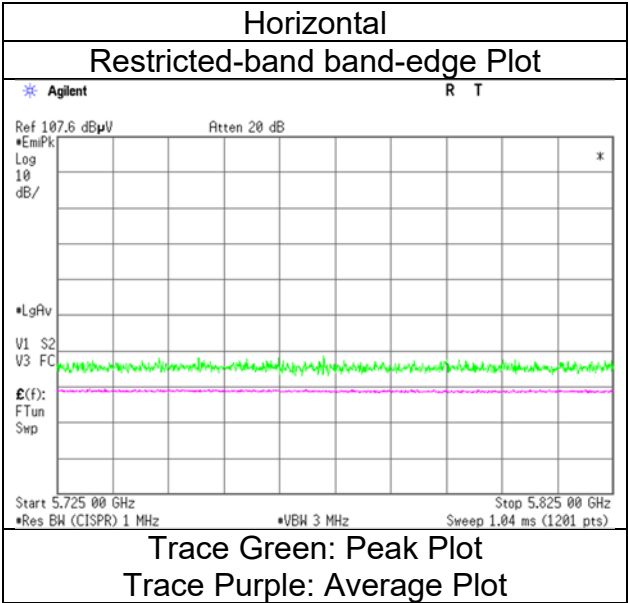
Distance factor: 1 GHz - 6 GHz $20\log (3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [52-tone RU/Index 40] 5700 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka (1 GHz to 6 GHz)
Mode	Tx 11be-20 [106-tone RU/Index 54] 5700 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	41.0	-	32.4	6.2	31.0	-	48.5	-	68.2	-	19.7	-	

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.

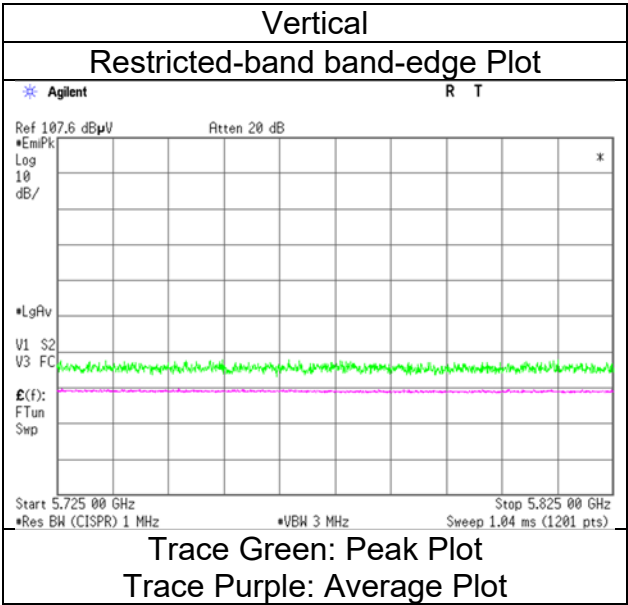
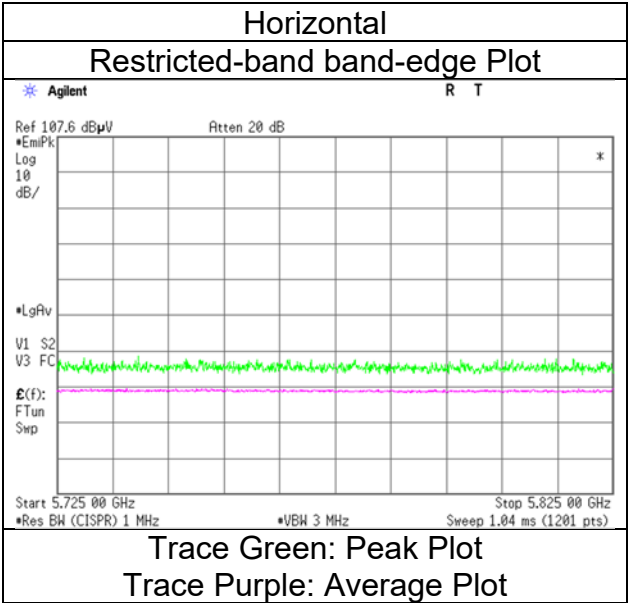
Distance factor: 1 GHz - 6 GHz $20\log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [106-tone RU/Index 54] 5700 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Hiroyuki Furutaka (1 GHz to 6 GHz)
Mode	Tx 11be-20 [242-tone RU/Index 61] 5700 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	46.3	-	32.4	6.2	31.0	-	53.8	-	68.2	-	14.4	-	
Vert.	5725.0	43.1	-	32.4	6.2	31.0	-	50.6	-	68.2	-	17.6	-	

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.

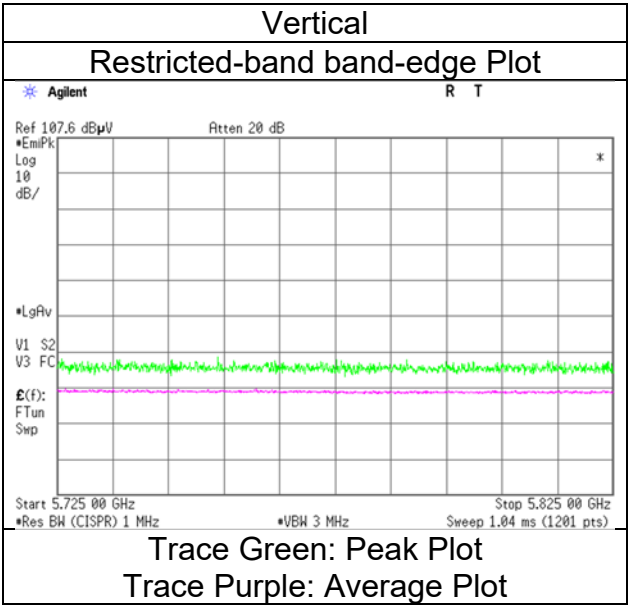
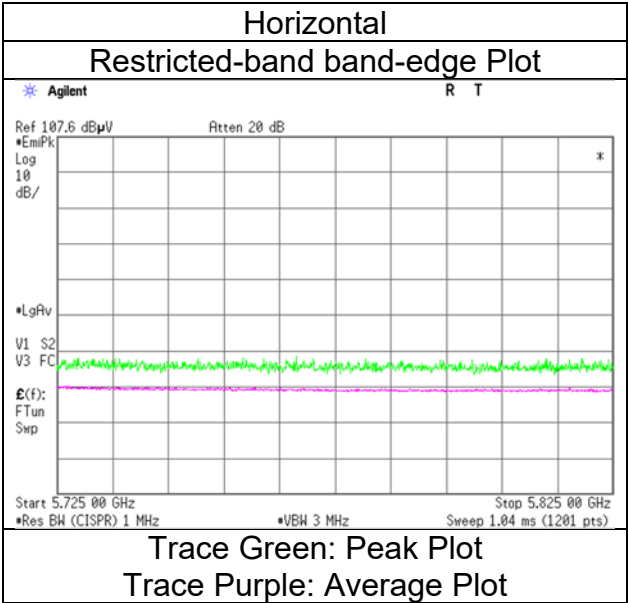
Distance factor: 1 GHz - 6 GHz $20\log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-20 [242-tone RU/Index 61] 5700 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 0] 5745 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	39.7	-	32.2	6.1	31.0	-	47.0	-	68.2	-	21.2	-	
Hori.	5700.0	40.9	-	32.3	6.2	31.0	-	48.3	-	105.2	-	56.9	-	
Hori.	5720.0	41.2	-	32.3	6.2	31.0	-	48.6	-	110.8	-	62.2	-	
Hori.	5725.0	41.6	-	32.4	6.2	31.0	-	49.1	-	122.2	-	73.1	-	
Vert.	5650.0	41.2	-	32.2	6.1	31.0	-	48.5	-	68.2	-	19.7	-	
Vert.	5700.0	41.4	-	32.3	6.2	31.0	-	48.8	-	105.2	-	56.4	-	
Vert.	5720.0	42.0	-	32.3	6.2	31.0	-	49.5	-	110.8	-	61.4	-	
Vert.	5725.0	42.0	-	32.4	6.2	31.0	-	49.5	-	122.2	-	72.7	-	

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.

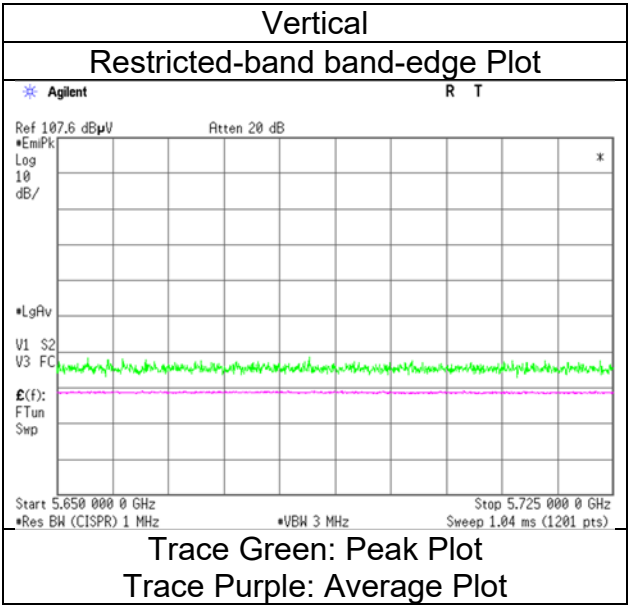
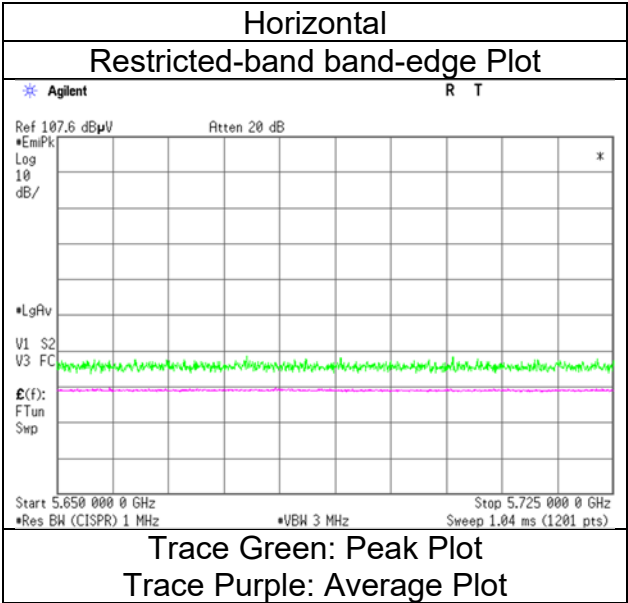
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 0] 5745 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida (1 GHz to 6 GHz)
Mode	Tx 11be-20 [52-tone RU/Index 37] 5745 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	-	48.1	-	68.2	-	20.1	-	
Hori.	5700.0	41.5	-	32.3	6.2	31.0	-	49.0	-	105.2	-	56.2	-	
Hori.	5720.0	42.0	-	32.3	6.2	31.0	-	49.5	-	110.8	-	61.4	-	
Hori.	5725.0	42.0	-	32.4	6.2	31.0	-	49.5	-	122.2	-	72.7	-	
Vert.	5650.0	41.5	-	32.2	6.1	31.0	-	48.9	-	68.2	-	19.3	-	
Vert.	5700.0	41.6	-	32.3	6.2	31.0	-	49.0	-	105.2	-	56.2	-	
Vert.	5720.0	42.0	-	32.3	6.2	31.0	-	49.5	-	110.8	-	61.3	-	
Vert.	5725.0	42.1	-	32.4	6.2	31.0	-	49.6	-	122.2	-	72.6	-	

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.

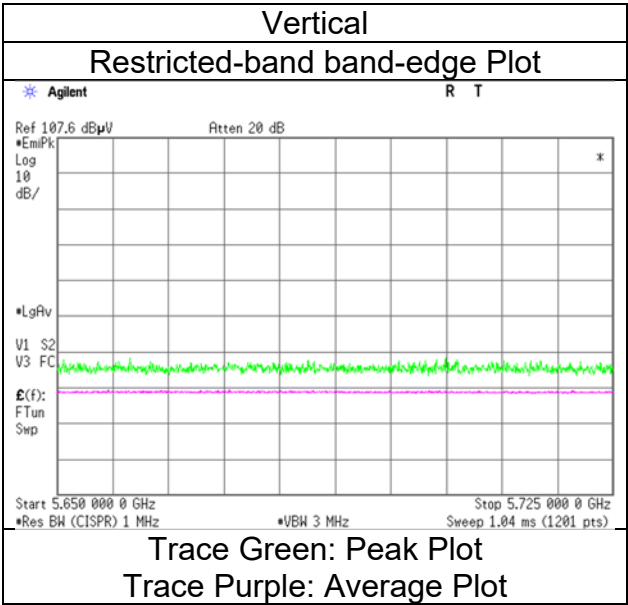
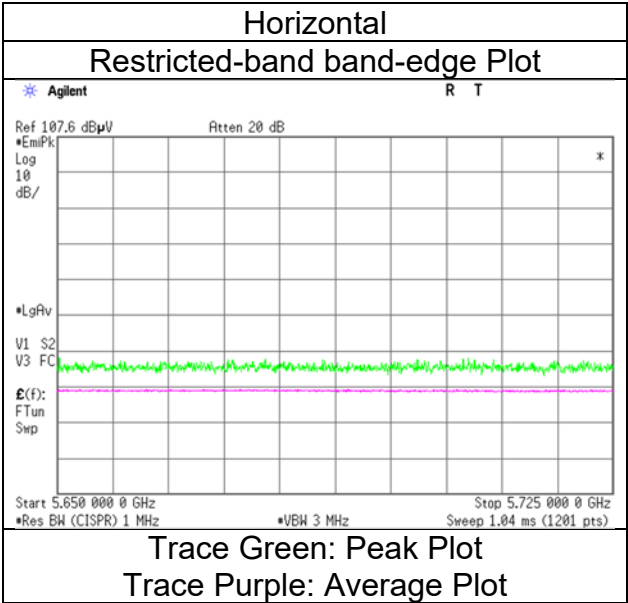
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [52-tone RU/Index 37] 5745 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida (1 GHz to 6 GHz)
Mode	Tx 11be-20 [106-tone RU/Index 53] 5745 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	41.0	-	32.2	6.1	31.0	-	48.3	-	68.2	-	19.9	-	
Hori.	5700.0	42.5	-	32.3	6.2	31.0	-	50.0	-	105.2	-	55.3	-	
Hori.	5720.0	41.9	-	32.3	6.2	31.0	-	49.4	-	110.8	-	61.4	-	
Hori.	5725.0	43.0	-	32.4	6.2	31.0	-	50.6	-	122.2	-	71.7	-	
Vert.	5650.0	42.1	-	32.2	6.1	31.0	-	49.4	-	68.2	-	18.8	-	
Vert.	5700.0	42.1	-	32.3	6.2	31.0	-	49.6	-	105.2	-	55.6	-	
Vert.	5720.0	42.3	-	32.3	6.2	31.0	-	49.7	-	110.8	-	61.1	-	
Vert.	5725.0	42.4	-	32.4	6.2	31.0	-	49.9	-	122.2	-	72.3	-	

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.

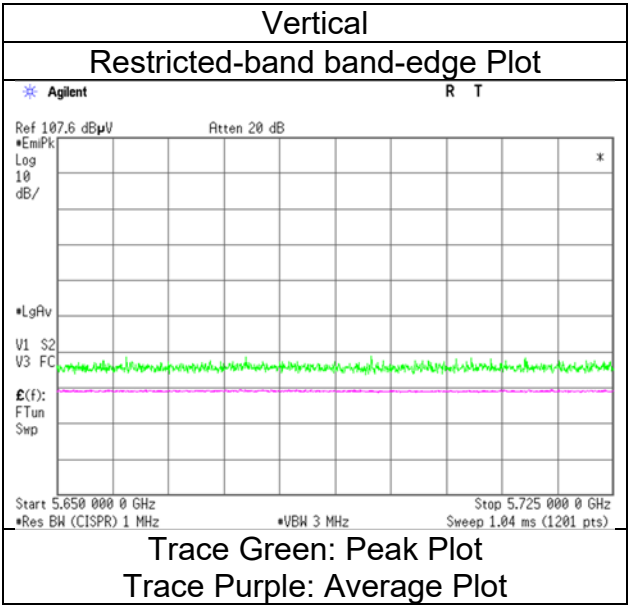
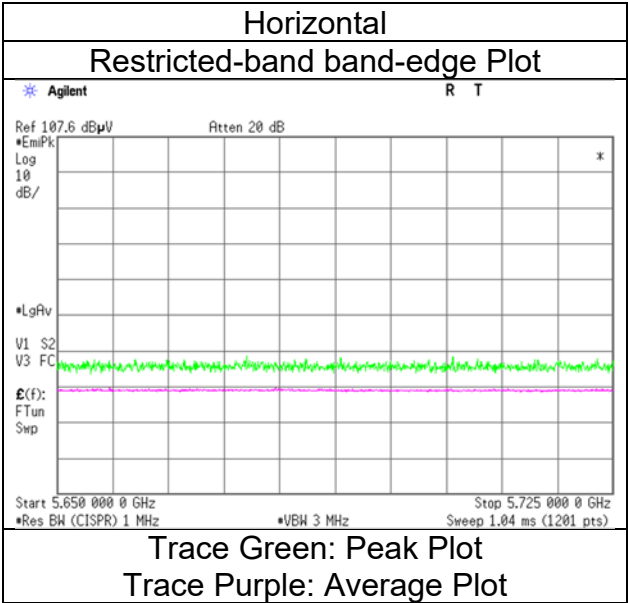
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [106-tone RU/Index 53] 5745 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida (1 GHz to 6 GHz)
Mode	Tx 11be-20 [242-tone RU/Index 61] 5745 MHz

Polarity	Frequency	Reading (QP / PK)	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	[dBuV]	(AV)	Factor	[dB]	[dB]	Factor	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
			[dBuV]	[dB/m]				[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	42.2	-	32.2	6.1	31.0	-	49.5	-	68.2	-	18.7	-	
Hori.	5700.0	43.2	-	32.3	6.2	31.0	-	50.6	-	105.2	-	54.6	-	
Hori.	5720.0	45.8	-	32.3	6.2	31.0	-	53.2	-	110.8	-	57.6	-	
Hori.	5725.0	48.4	-	32.4	6.2	31.0	-	55.9	-	122.2	-	66.3	-	
Vert.	5650.0	41.8	-	32.2	6.1	31.0	-	49.1	-	68.2	-	19.1	-	
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	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)

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

*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.

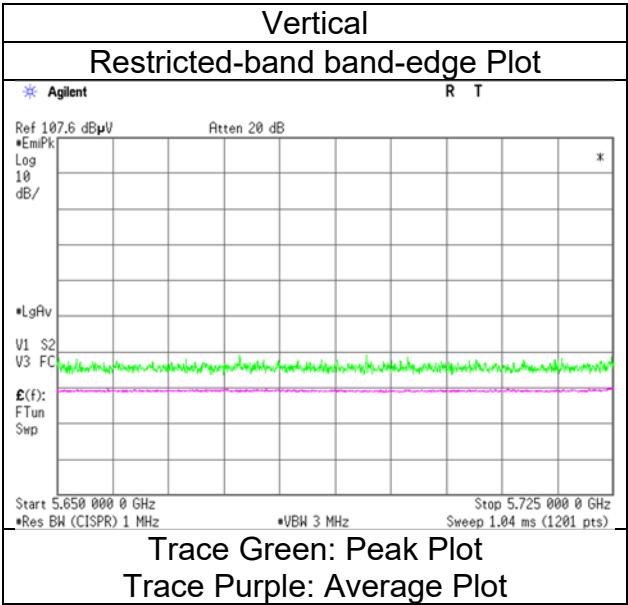
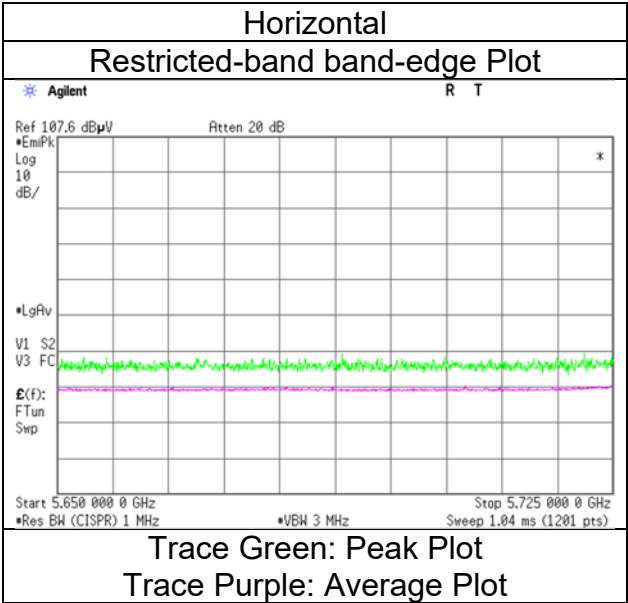
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [242-tone RU/Index 61] 5745 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 8] 5825 MHz

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5850.0	41.4	-	32.7	6.2	31.1	-	49.2	-	122.2	-	73.0	-	
Hori.	5855.0	41.3	-	32.7	6.2	31.1	-	49.1	-	110.8	-	61.7	-	
Hori.	5875.0	41.2	-	32.7	6.2	31.1	-	49.0	-	105.2	-	56.2	-	
Hori.	5925.0	40.8	-	32.8	6.2	31.1	-	48.7	-	68.2	-	19.5	-	
Vert.	5850.0	41.0	-	32.7	6.2	31.1	-	48.8	-	122.2	-	73.4	-	
Vert.	5855.0	40.9	-	32.7	6.2	31.1	-	48.7	-	110.8	-	62.1	-	
Vert.	5875.0	40.7	-	32.7	6.2	31.1	-	48.6	-	105.2	-	56.6	-	
Vert.	5925.0	40.2	-	32.8	6.2	31.1	-	48.1	-	68.2	-	20.1	-	

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

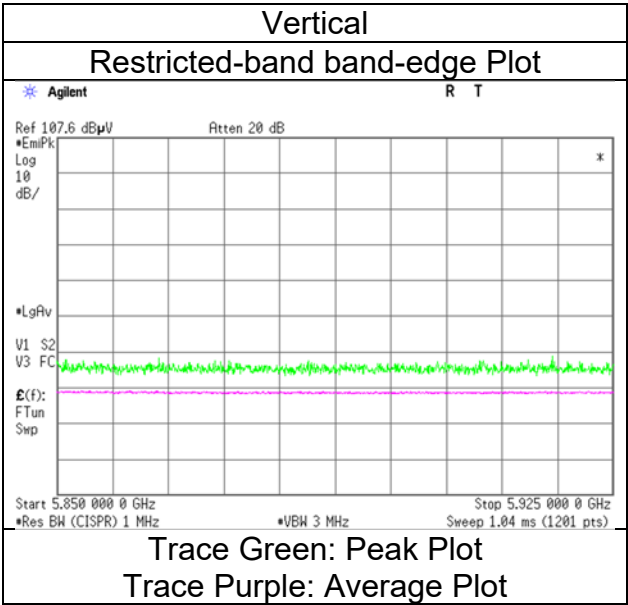
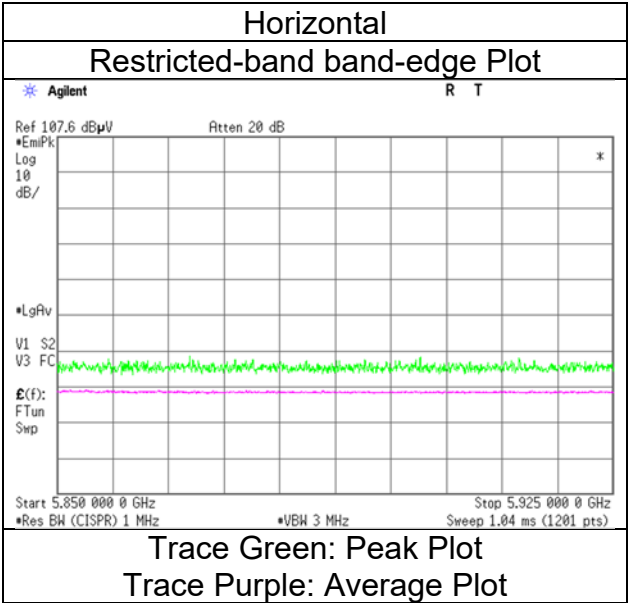
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [26-tone RU/Index 8] 5825 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 7, 2024
Temperature / Humidity 21 deg. C / 38 % RH
Engineer Tetsuro Yoshida
 (1 GHz to 6 GHz)
Mode Tx 11be-20 [52-tone RU/Index 40] 5825 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	41.2	-	32.7	6.2	31.1	-	49.0	-	122.2	-	73.2	-	
Hori.	5855.0	41.0	-	32.7	6.2	31.1	-	48.9	-	110.8	-	62.0	-	
Hori.	5875.0	40.9	-	32.7	6.2	31.1	-	48.7	-	105.2	-	56.5	-	
Hori.	5925.0	40.4	-	32.8	6.2	31.1	-	48.3	-	68.2	-	19.9	-	
Vert.	5850.0	41.3	-	32.7	6.2	31.1	-	49.1	-	122.2	-	73.1	-	
Vert.	5855.0	41.3	-	32.7	6.2	31.1	-	49.1	-	110.8	-	61.7	-	
Vert.	5875.0	40.9	-	32.7	6.2	31.1	-	48.8	-	105.2	-	56.4	-	
Vert.	5925.0	40.2	-	32.8	6.2	31.1	-	48.1	-	68.2	-	20.1	-	

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

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

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

*QP detector was used up to 1GHz.

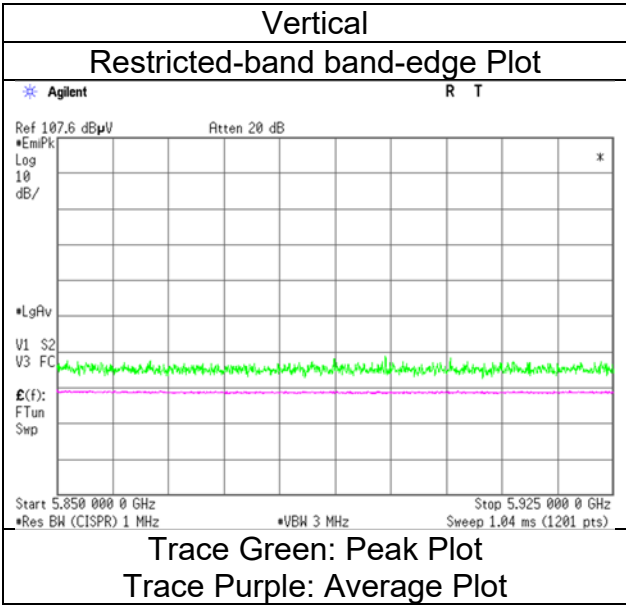
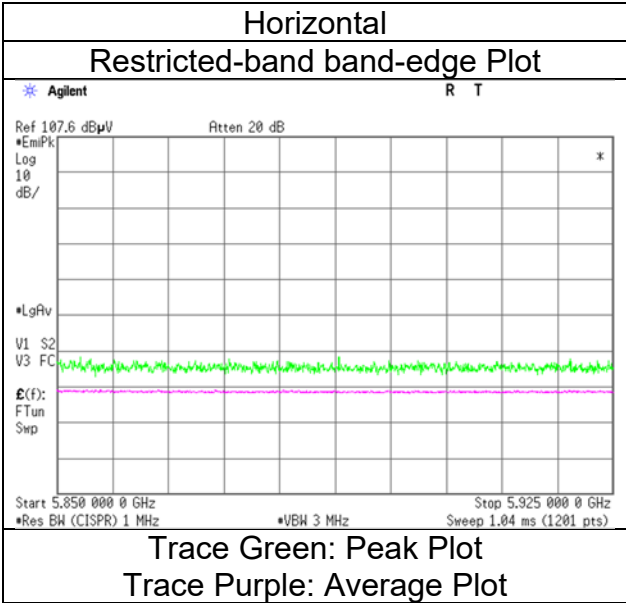
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [52-tone RU/Index 40] 5825 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [106-tone RU/Index 54] 5825 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	42.9	-	32.7	6.2	31.1	-	50.7	-	122.2	-	71.5	-	
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	-	49.8	-	105.2	-	55.4	-	
Hori.	5925.0	41.7	-	32.8	6.2	31.1	-	49.6	-	68.2	-	18.6	-	
Vert.	5850.0	42.2	-	32.7	6.2	31.1	-	50.0	-	122.2	-	72.2	-	
Vert.	5855.0	41.5	-	32.7	6.2	31.1	-	49.3	-	110.8	-	61.5	-	
Vert.	5875.0	41.4	-	32.7	6.2	31.1	-	49.3	-	105.2	-	55.9	-	
Vert.	5925.0	40.3	-	32.8	6.2	31.1	-	48.3	-	68.2	-	19.9	-	

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

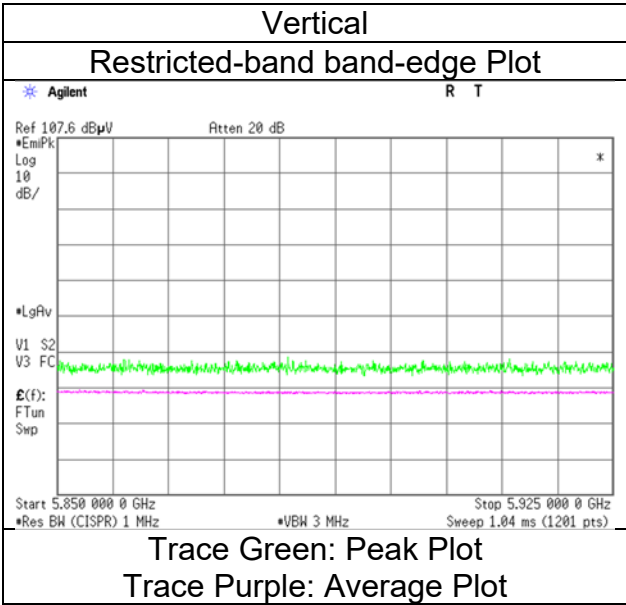
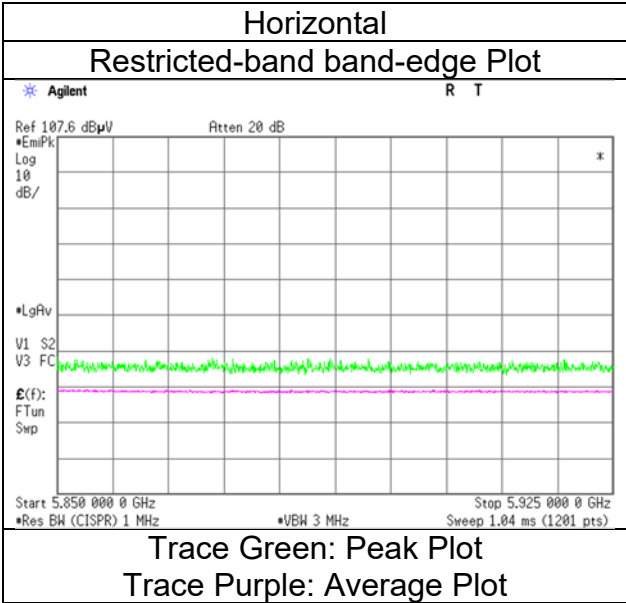
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [106-tone RU/Index 54] 5825 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida (1 GHz to 6 GHz)
Mode	Tx 11be-20 [242-tone RU/Index 61] 5825 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]	[dBuV/m]	[dBuV]	[dB]	[dB]	
Hori.	5850.0	45.0	-	32.7	6.2	31.1	-	52.8	-	122.2	-	69.4	-	
Hori.	5855.0	43.1	-	32.7	6.2	31.1	-	50.9	-	110.8	-	59.9	-	
Hori.	5875.0	42.0	-	32.7	6.2	31.1	-	49.8	-	105.2	-	55.4	-	
Hori.	5925.0	41.6	-	32.8	6.2	31.1	-	49.6	-	68.2	-	18.7	-	
Vert.	5850.0	43.8	-	32.7	6.2	31.1	-	51.6	-	122.2	-	70.6	-	
Vert.	5855.0	41.2	-	32.7	6.2	31.1	-	49.0	-	110.8	-	61.8	-	
Vert.	5875.0	41.7	-	32.7	6.2	31.1	-	49.5	-	105.2	-	55.7	-	
Vert.	5925.0	40.4	-	32.8	6.2	31.1	-	48.4	-	68.2	-	19.9	-	

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

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

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

*QP detector was used up to 1GHz.

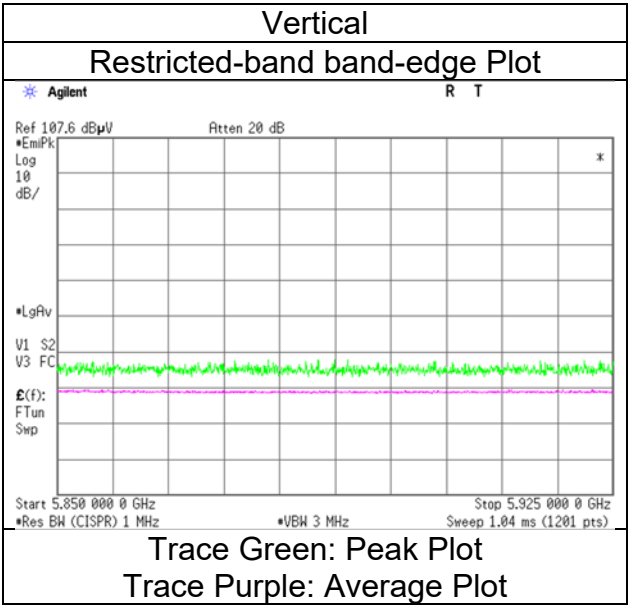
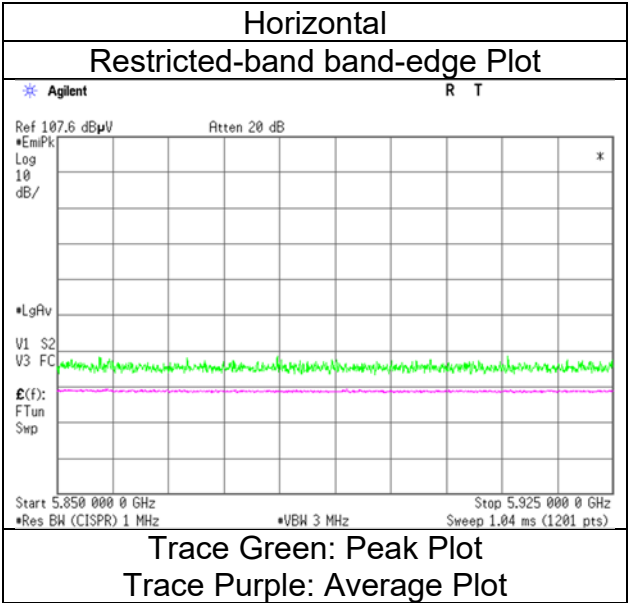
Distance factor: 1 GHz - 6 GHz $20\log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-20 [242-tone RU/Index 61] 5825 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 22 deg. C / 42 % RH 21 deg. C / 45 % RH 21 deg. C / 36 % RH 20 deg. C / 41 % 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 9, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Hiroyuki Furutaka
 (6 GHz to 10 GHz)
Mode Tx 11ac-40 5270 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor	[dB]	[dB]	[dB]	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dBm]				[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	10540.0	42.9	-	36.3	-0.5	32.7	-	46.1	-	68.2	-	22.1	-	Floor noise
Hori.	15810.0	44.1	37.3	39.8	1.1	32.2	-	52.8	46.0	73.9	53.9	21.1	7.9	Floor noise
Vert.	10540.0	41.5	-	36.3	-0.5	32.7	-	44.7	-	68.2	-	23.5	-	Floor noise
Vert.	15810.0	43.7	36.9	39.8	1.1	32.2	-	52.3	45.5	73.9	53.9	21.6	8.4	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 2, 2024 February 5, 2024
Temperature / Humidity 22 deg. C / 42 % RH 21 deg. C / 45 % RH 21 deg. C / 36 % RH 20 deg. C / 41 % 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 9, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Hiroyuki Furutaka
 (6 GHz to 10 GHz)
Mode Tx 11ac-40 5310 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	48.0	36.7	31.8	6.0	30.9	-	54.9	43.6	73.9	53.9	19.0	10.3	
Hori.	10620.0	42.5	35.3	36.6	-0.4	32.7	-	46.0	38.8	73.9	53.9	27.9	15.1	Floor noise
Hori.	15930.0	44.2	37.9	40.0	1.1	32.2	-	53.0	46.7	73.9	53.9	20.9	7.2	Floor noise
Vert.	5350.0	43.7	34.5	31.8	6.0	30.9	-	50.6	41.4	73.9	53.9	23.3	12.5	
Vert.	10620.0	43.2	35.5	36.6	-0.4	32.7	-	46.7	39.0	73.9	53.9	27.2	14.9	Floor noise
Vert.	15930.0	44.2	36.5	40.0	1.1	32.2	-	53.1	45.4	73.9	53.9	20.9	8.5	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.

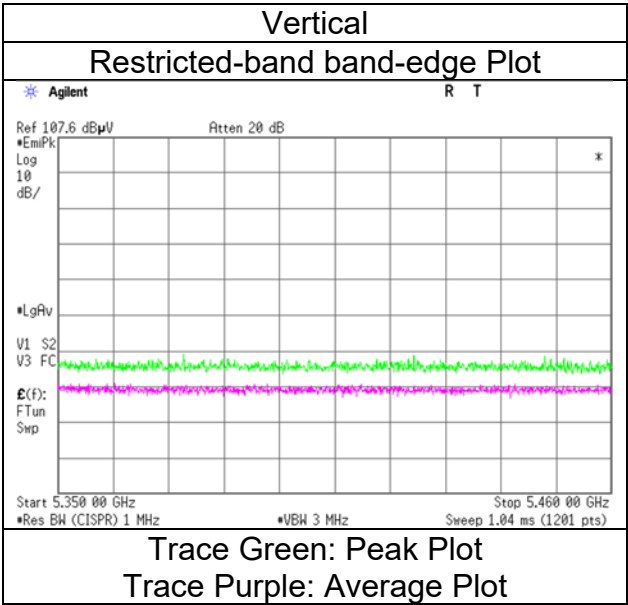
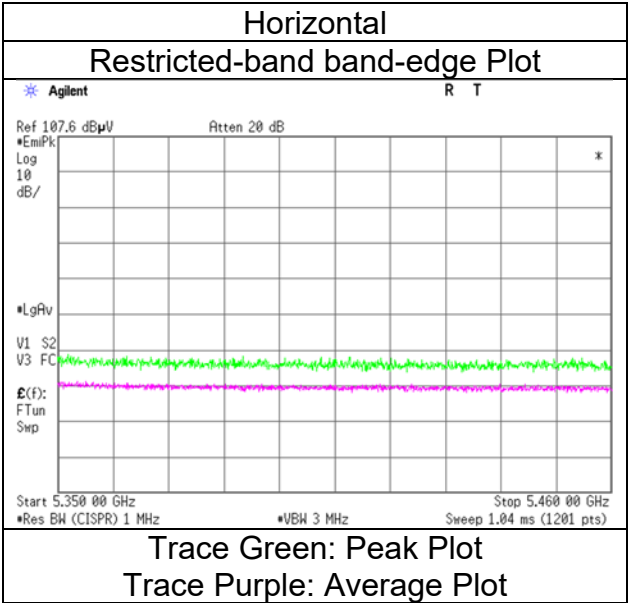
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
20 deg. C / 41 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11ac-40 5310 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 22 deg. C / 42 % RH 21 deg. C / 45 % RH 21 deg. C / 36 % RH 20 deg. C / 41 % 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 9, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Hiroyuki Furutaka
 (6 GHz to 10 GHz)
Mode Tx 11be-40 [OFDM] 5190 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	45.1	35.7	32.1	5.9	30.9	-	52.3	42.9	73.9	53.9	21.6	11.0	
Hori.	10380.0	42.5	-	36.1	-0.5	32.6	-	45.4	-	68.2	-	22.8	-	Floor noise
Hori.	15570.0	44.5	38.9	39.4	1.1	32.2	-	52.8	47.2	73.9	53.9	21.1	6.7	Floor noise
Vert.	5150.0	47.1	38.3	32.1	5.9	30.9	-	54.3	45.5	73.9	53.9	19.6	8.4	
Vert.	10380.0	42.5	-	36.1	-0.5	32.6	-	45.4	-	68.2	-	22.8	-	Floor noise
Vert.	15570.0	44.8	36.9	39.4	1.1	32.2	-	53.1	45.2	73.9	53.9	20.8	8.7	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.

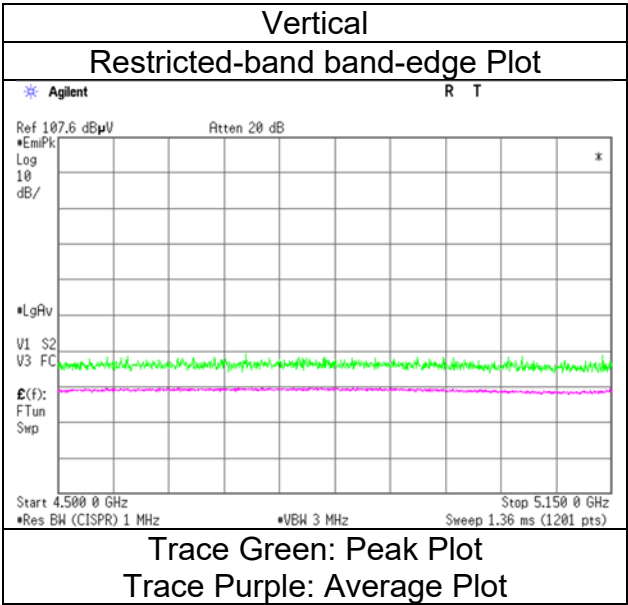
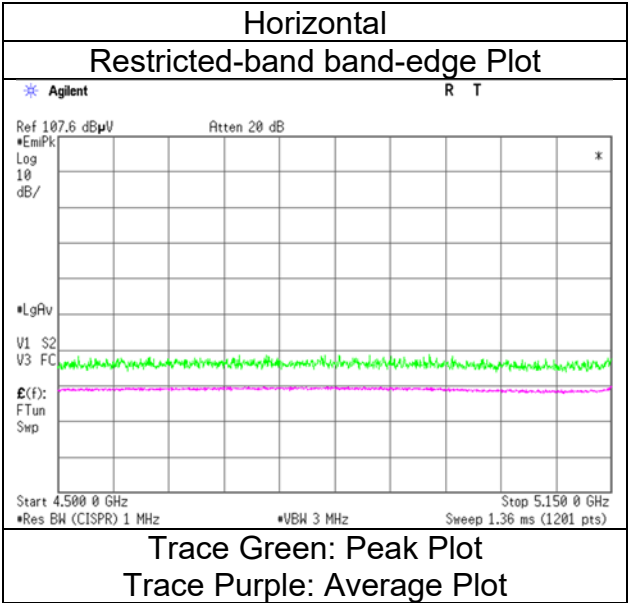
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
20 deg. C / 41 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-40 [OFDM] 5190 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	20 deg. C / 41 % 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)	Hiroiyuki Furutaka (1 GHz to 6 GHz)
Semi Anechoic Chamber	No.4			
Date	February 9, 2024			
Temperature / Humidity	23 deg. C / 35 % RH			
Engineer	Hiroiyuki Furutaka (6 GHz to 10 GHz)			
Mode	Tx 11be-40 [OFDM] 5270 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.	10540.0	42.7	-	36.3	-0.5	32.7	-	45.9	-	68.2	-	22.3	-	Floor noise
Hori.	15810.0	44.8	36.0	39.8	1.1	32.2	-	53.4	44.7	73.9	53.9	20.5	9.3	Floor noise
Vert.	10540.0	43.2	-	36.3	-0.5	32.7	-	46.4	-	68.2	-	21.8	-	Floor noise
Vert.	15810.0	45.1	36.5	39.8	1.1	32.2	-	53.8	45.2	73.9	53.9	20.1	8.7	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 2, 2024	February 5, 2024
Temperature / Humidity	24 deg. C / 45 % RH	21 deg. C / 45 % RH	21 deg. C / 36 % RH	20 deg. C / 41 % 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 9, 2024			
Temperature / Humidity	23 deg. C / 35 % RH			
Engineer	Hiroyuki Furutaka (6 GHz to 10 GHz)			
Mode	Tx 11be-40 [OFDM] 5310 MHz			

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK)	(AV)	Factor	[dB]	[dB]	[dB]	(QP / PK)	(AV)	(QP / PK)	(AV)	(QP / PK)	(AV)	
		[dBuV]	[dBuV]	[dB/m]				[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	43.5	35.0	31.8	6.0	30.9	-	50.4	41.9	73.9	53.9	23.5	12.0	
Hori.	10620.0	42.4	34.3	36.6	-0.4	32.7	-	46.0	37.8	73.9	53.9	27.9	16.1	Floor noise
Hori.	15930.0	44.5	37.0	40.0	1.1	32.2	-	53.3	45.9	73.9	53.9	20.6	8.0	Floor noise
Vert.	5350.0	44.1	34.4	31.8	6.0	30.9	-	51.0	41.3	73.9	53.9	22.9	12.6	
Vert.	10620.0	43.4	35.7	36.6	-0.4	32.7	-	46.9	39.2	73.9	53.9	27.0	14.7	Floor noise
Vert.	15930.0	43.1	36.6	40.0	1.1	32.2	-	52.0	45.4	73.9	53.9	21.9	8.5	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.

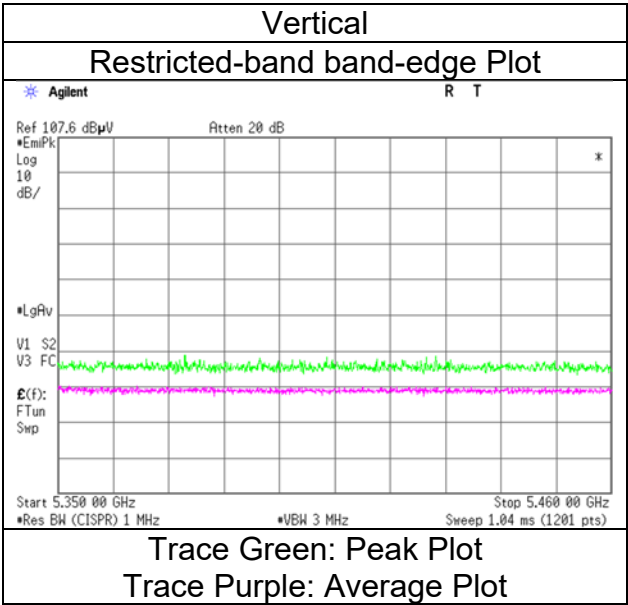
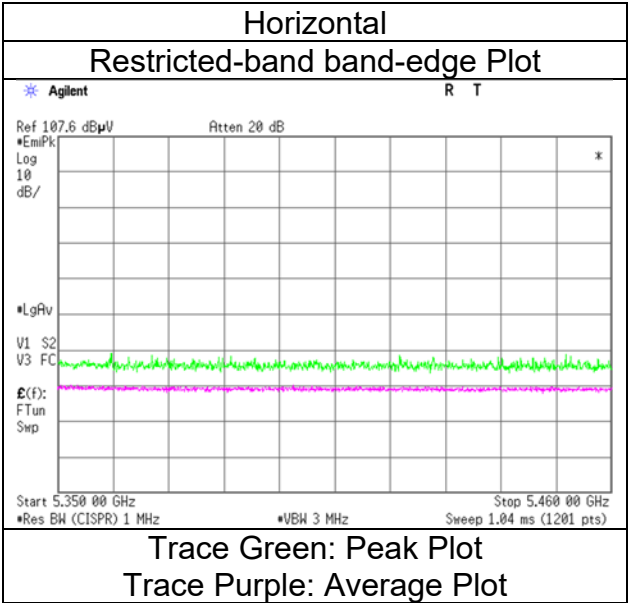
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
20 deg. C / 41 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-40 [OFDM] 5310 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	22 deg. C / 42 % 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-40 [OFDM] 5510 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	42.0	33.9	32.0	6.2	30.9	-	49.2	41.1	68.2	53.9	19.0	12.8	
Hori.	5470.0	43.8	-	32.0	6.2	30.9	-	51.0	-	68.2	-	17.2	-	
Hori.	11020.0	42.8	35.7	37.4	-0.3	32.8	-	47.2	40.1	73.9	53.9	26.7	13.8	Floor noise
Hori.	16530.0	44.7	-	39.9	1.4	32.3	-	53.6	-	68.2	-	14.6	-	Floor noise
Vert.	5460.0	42.7	33.4	32.0	6.2	30.9	-	49.9	40.6	68.2	53.9	18.3	13.3	
Vert.	5470.0	42.8	-	32.0	6.2	30.9	-	50.0	-	68.2	-	18.2	-	
Vert.	11020.0	43.2	34.6	37.4	-0.3	32.8	-	47.6	39.0	73.9	53.9	26.3	14.9	Floor noise
Vert.	16530.0	45.4	-	39.9	1.4	32.3	-	54.4	-	68.2	-	13.8	-	Floor noise

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

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

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

*QP detector was used up to 1GHz.

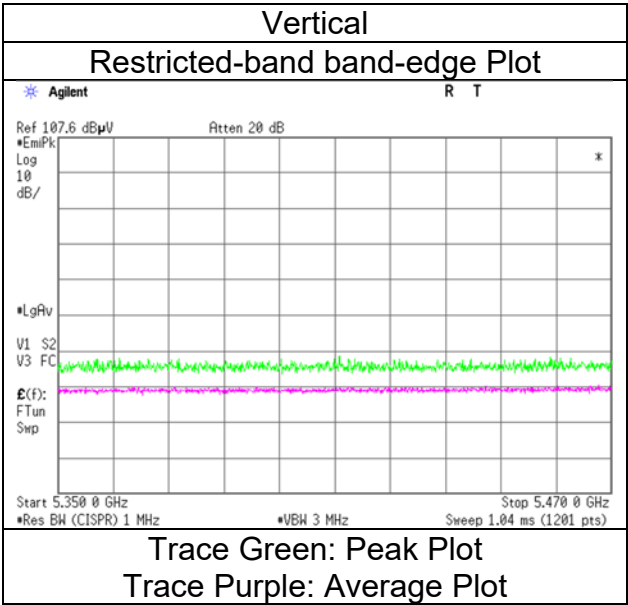
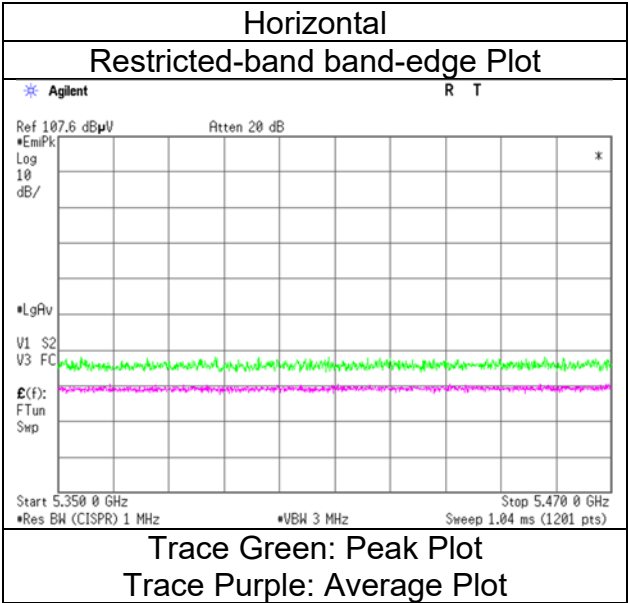
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-40 [OFDM] 5510 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-40 [OFDM] 5550 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]	[dBuV/m]	[dB]	
Hori.	11100.0	43.7	35.0	37.4	-0.2	32.8	-	48.1	39.3	73.9	53.9	25.8	14.6	Floor noise
Hori.	16650.0	43.7	-	39.7	1.4	32.3	-	52.5	-	68.2	-	15.7	-	Floor noise
Vert.	11100.0	43.7	35.0	37.4	-0.2	32.8	-	48.1	39.4	73.9	53.9	25.8	14.5	Floor noise
Vert.	16650.0	44.8	-	39.7	1.4	32.3	-	53.6	-	68.2	-	14.6	-	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	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-40 [OFDM] 5670 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	43.0	-	32.4	6.3	31.0	-	50.6	-	68.2	-	17.6	-	
Hori.	11340.0	43.3	34.8	37.5	-0.2	32.7	-	47.9	39.4	73.9	53.9	26.0	14.5	Floor noise
Hori.	17010.0	43.4	-	39.7	1.6	32.4	-	52.4	-	68.2	-	15.8	-	Floor noise
Vert.	5725.0	42.7	-	32.4	6.3	31.0	-	50.3	-	68.2	-	17.9	-	
Vert.	11340.0	43.8	35.4	37.5	-0.2	32.7	-	48.4	40.0	73.9	53.9	25.5	13.9	Floor noise
Vert.	17010.0	44.8	-	39.7	1.6	32.4	-	53.7	-	68.2	-	14.5	-	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.

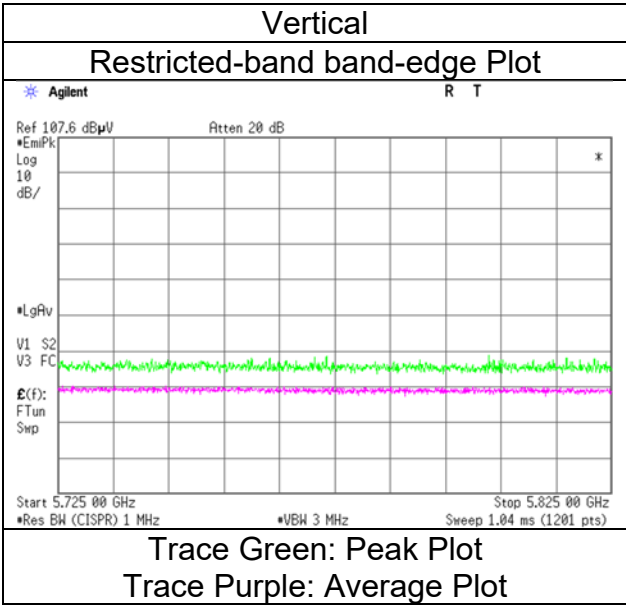
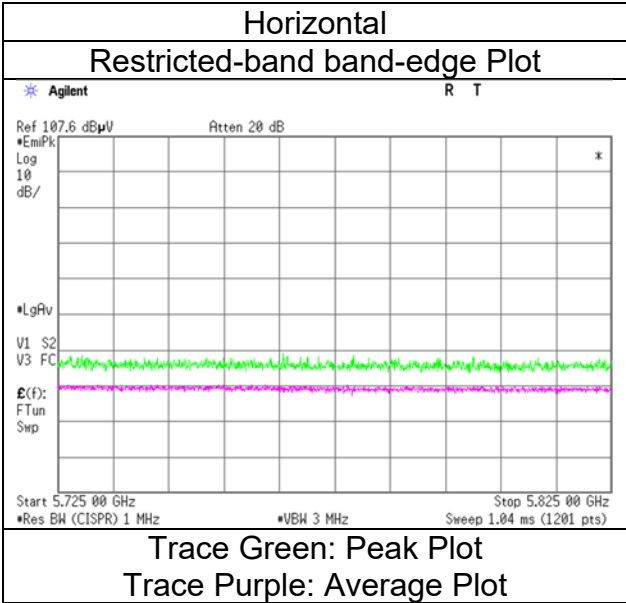
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-40 [OFDM] 5670 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	22 deg. C / 42 % 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
Date	February 14, 2024
Temperature / Humidity	21 deg. C / 45 % RH
Engineer	Nachi Konegawa (6 GHz to 10 GHz)
Mode	Tx 11be-40 [OFDM] 5755 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	42.1	-	32.2	6.1	31.0	-	49.4	-	68.2	-	18.8	-	
Hori.	5700.0	43.1	-	32.3	6.2	31.0	-	50.5	-	105.2	-	54.7	-	
Hori.	5720.0	46.8	-	32.3	6.2	31.0	-	54.3	-	110.8	-	56.5	-	
Hori.	5725.0	47.2	-	32.4	6.2	31.0	-	54.7	-	122.2	-	67.5	-	
Hori.	11510.0	42.6	35.7	37.7	-0.2	32.7	-	47.4	40.5	73.9	53.9	26.5	13.4	Floor noise
Hori.	17265.0	45.4	-	40.0	1.7	32.4	-	54.6	-	68.2	-	13.6	-	Floor noise
Vert.	5650.0	40.7	-	32.2	6.1	31.0	-	48.0	-	68.2	-	20.2	-	
Vert.	5700.0	42.5	-	32.3	6.2	31.0	-	49.9	-	105.2	-	55.3	-	
Vert.	5720.0	43.0	-	32.3	6.2	31.0	-	50.5	-	110.8	-	60.3	-	
Vert.	5725.0	43.9	-	32.4	6.2	31.0	-	51.4	-	122.2	-	70.8	-	
Vert.	11510.0	42.6	35.1	37.7	-0.2	32.7	-	47.4	40.0	73.9	53.9	26.5	13.9	Floor noise
Vert.	17265.0	45.3	-	40.0	1.7	32.4	-	54.6	-	68.2	-	13.6	-	Floor noise

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

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

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

*QP detector was used up to 1GHz.

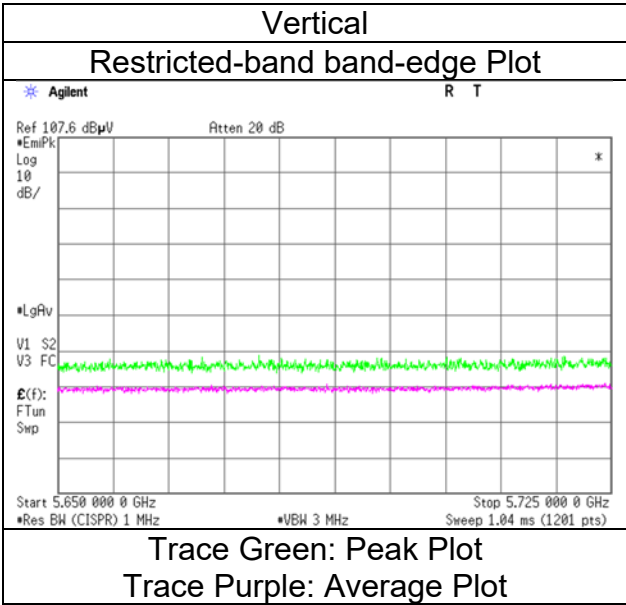
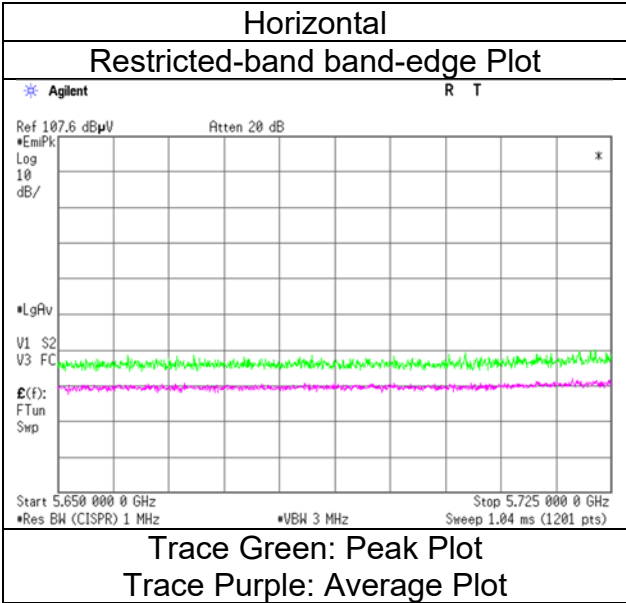
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [OFDM] 5755 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)	Tetsuro Yoshida (1 GHz to 6 GHz)

Semi Anechoic Chamber	No.4
Date	February 14, 2024
Temperature / Humidity	21 deg. C / 45 % RH
Engineer	Nachi Konegawa (6 GHz to 10 GHz)
Mode	Tx 11be-40 [OFDM] 5795 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.	5850.0	42.0	-	32.7	6.2	31.1	-	49.8	-	122.2	-	72.4	-	
Hori.	5855.0	41.7	-	32.7	6.2	31.1	-	49.5	-	110.8	-	61.3	-	
Hori.	5875.0	41.4	-	32.7	6.2	31.1	-	49.2	-	105.2	-	56.0	-	
Hori.	5925.0	41.0	-	32.8	6.2	31.1	-	48.9	-	68.2	-	19.3	-	
Hori.	11510.0	42.6	35.7	37.7	-0.2	32.7	-	47.4	40.5	73.9	53.9	26.5	13.4	Floor noise
Hori.	17265.0	45.4	-	40.0	1.7	32.4	-	54.6	-	68.2	-	13.6	-	Floor noise
Vert.	5850.0	42.7	-	32.7	6.2	31.1	-	50.5	-	122.2	-	71.7	-	
Vert.	5855.0	42.3	-	32.7	6.2	31.1	-	50.1	-	110.8	-	60.7	-	
Vert.	5875.0	42.1	-	32.7	6.2	31.1	-	50.0	-	105.2	-	55.3	-	
Vert.	5925.0	41.4	-	32.8	6.2	31.1	-	49.3	-	68.2	-	18.9	-	
Vert.	11510.0	42.8	34.9	37.7	-0.2	32.7	-	47.6	39.8	73.9	53.9	26.3	14.1	Floor noise
Vert.	17265.0	45.2	-	40.0	1.7	32.4	-	54.5	-	68.2	-	13.7	-	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.

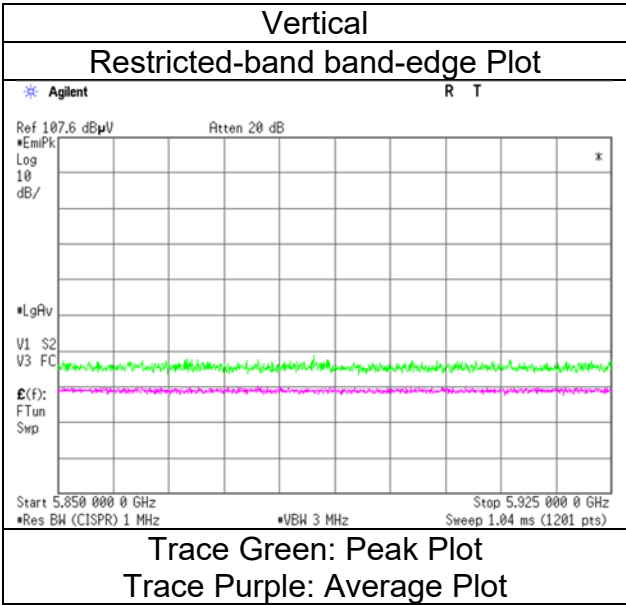
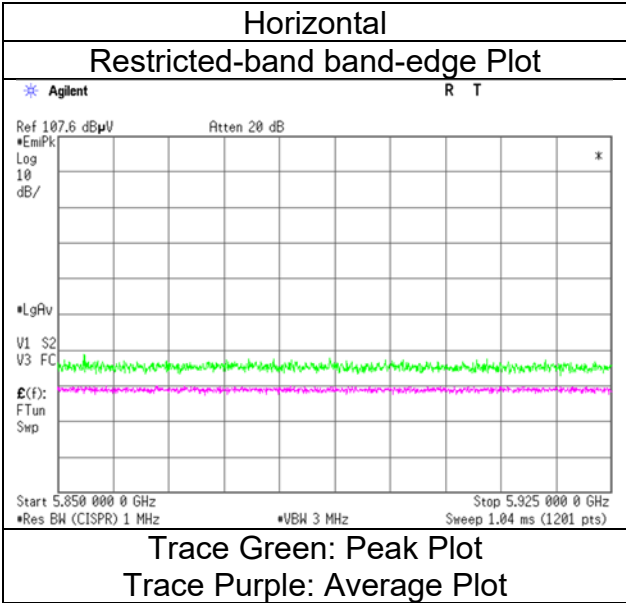
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 6, 2024
21 deg. C / 40 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [OFDM] 5795 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-40 [26-tone RU/Index 0] 5190 MHz

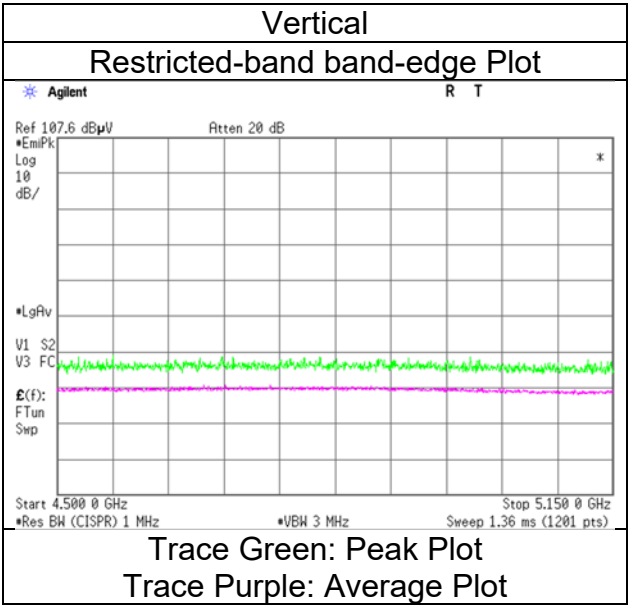
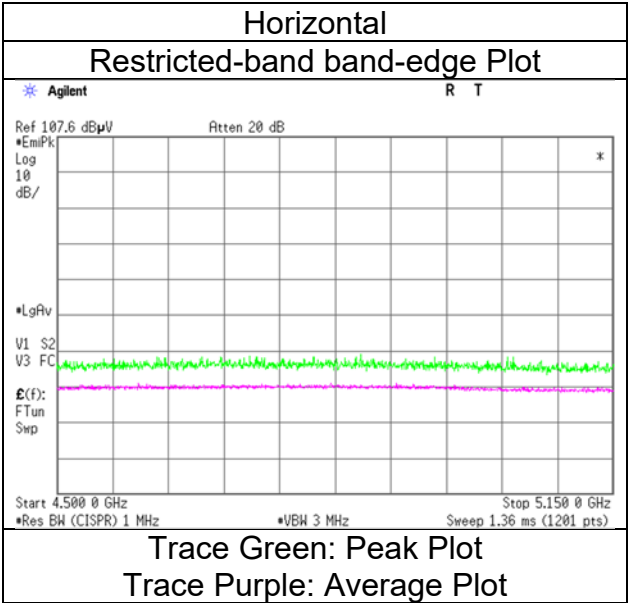
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5150.0	41.0	32.0	32.1	6.1	30.9	0.8	48.3	40.1	73.9	53.9	25.6	13.8	*1)
Vert.	5150.0	40.2	31.8	32.1	6.1	30.9	0.8	47.5	39.9	73.9	53.9	26.4	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	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-40 [26-tone RU/Index 0] 5190 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-40 [52-tone RU/Index 37] 5190 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	40.9	32.0	32.1	6.1	30.9	0.8	48.2	40.1	73.9	53.9	25.7	13.8	*1)
Vert.	5150.0	40.3	31.8	32.1	6.1	30.9	0.8	47.6	39.9	73.9	53.9	26.3	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)

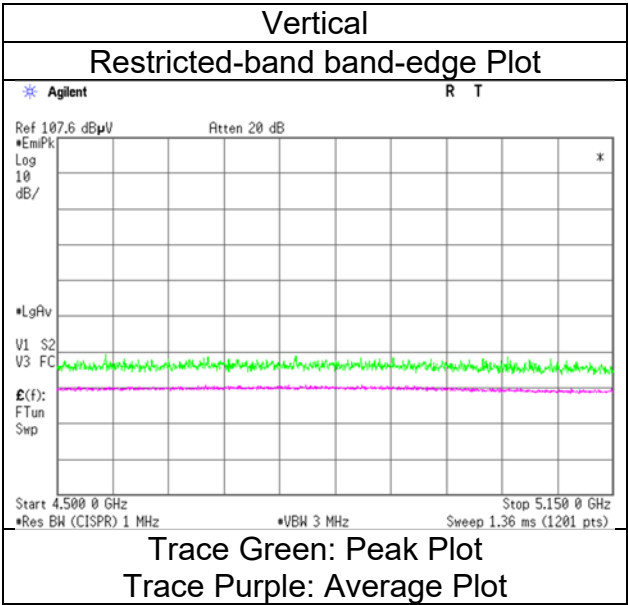
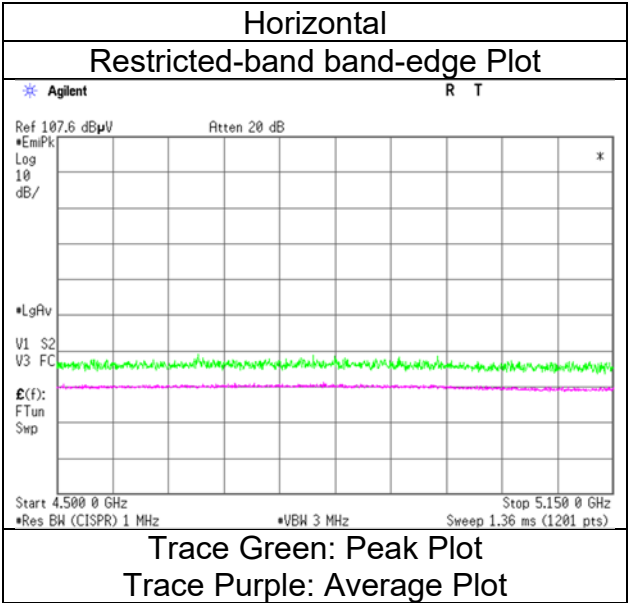
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [52-tone RU/Index 37] 5190 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-40 [106-tone RU/Index 53] 5190 MHz

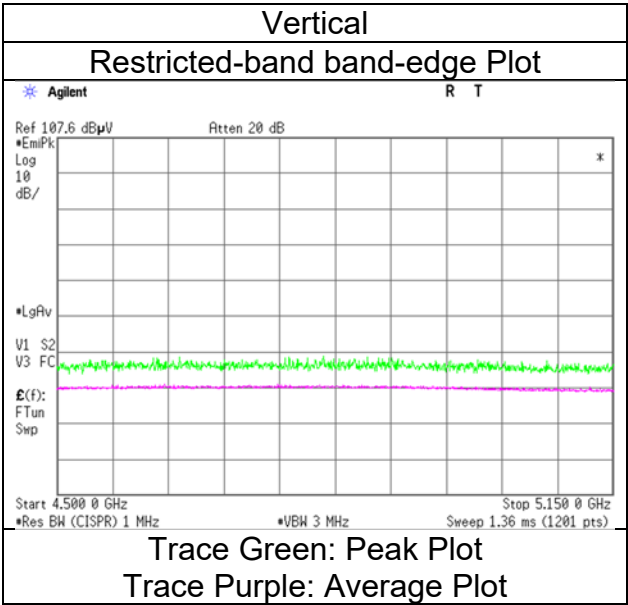
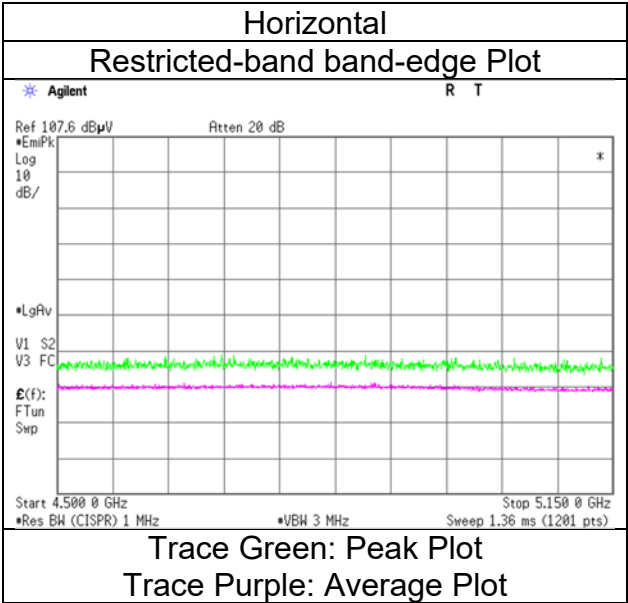
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	41.3	32.4	32.1	6.1	30.9	0.8	48.6	40.6	73.9	53.9	25.3	13.4	*1)
Vert.	5150.0	40.7	32.0	32.1	6.1	30.9	0.8	48.0	40.2	73.9	53.9	25.9	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	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-40 [106-tone RU/Index 53] 5190 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-40 [242-tone RU/Index 61] 5190 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	41.7	32.5	32.1	6.1	30.9	0.9	49.0	40.7	73.9	53.9	24.9	13.2	*1)
Vert.	5150.0	41.0	32.2	32.1	6.1	30.9	0.9	48.3	40.4	73.9	53.9	25.6	13.5	*1)

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

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

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

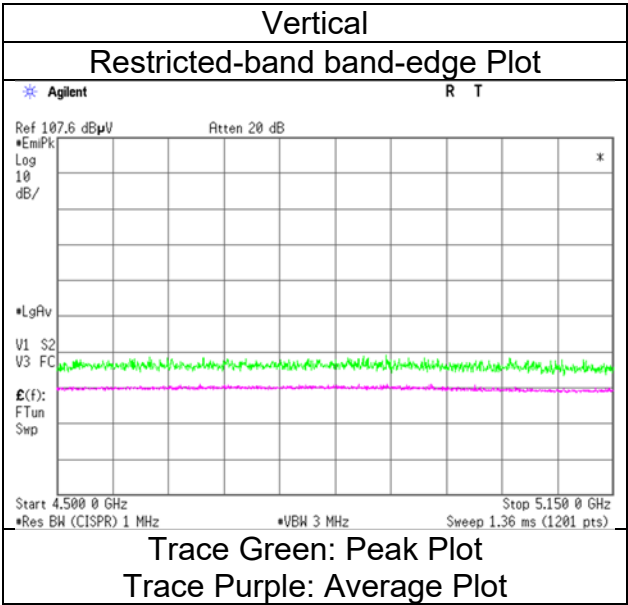
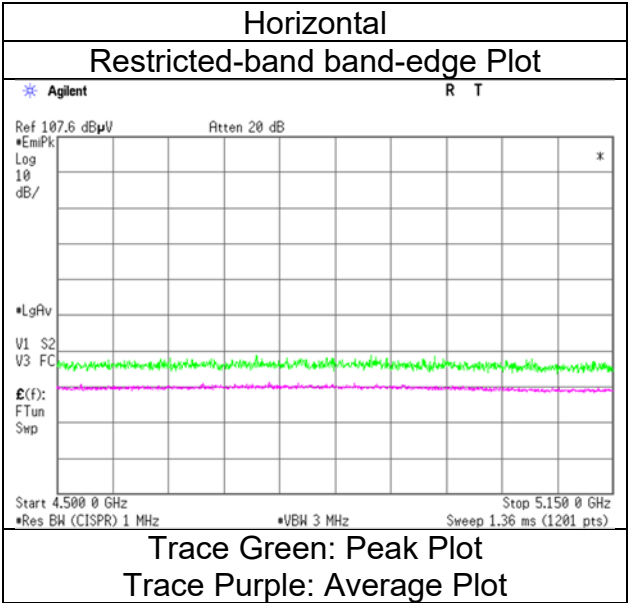
*QP detector was used up to 1GHz

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

Distance factor: 1 GHz - 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-40 [242-tone RU/Index 61] 5190 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-40 [484-tone RU/Index 65] 5190 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	53.4	37.0	32.1	6.1	30.9	0.9	60.7	45.2	73.9	53.9	13.2	8.7	*1)
Vert.	5150.0	49.8	34.5	32.1	6.1	30.9	0.9	57.1	42.7	73.9	53.9	16.8	11.2	*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)

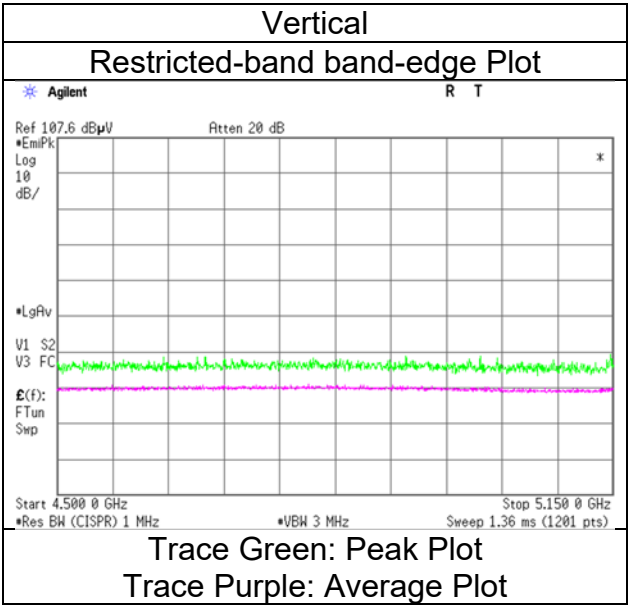
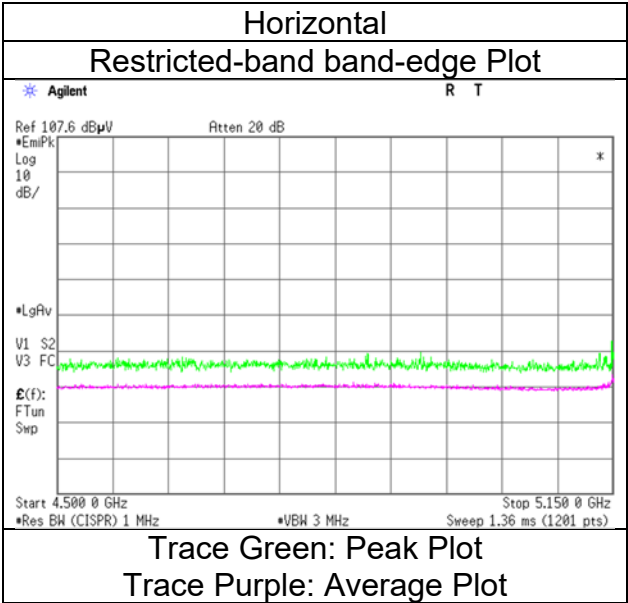
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

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-40 [484-tone RU/Index 65] 5190 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-40 [26-tone RU/Index 17] 5310 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	32.5	31.8	6.1	30.9	0.8	47.7	40.3	73.9	53.9	26.2	13.6	*1)
Vert.	5350.0	40.4	32.3	31.8	6.1	30.9	0.8	47.4	40.1	73.9	53.9	26.5	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)

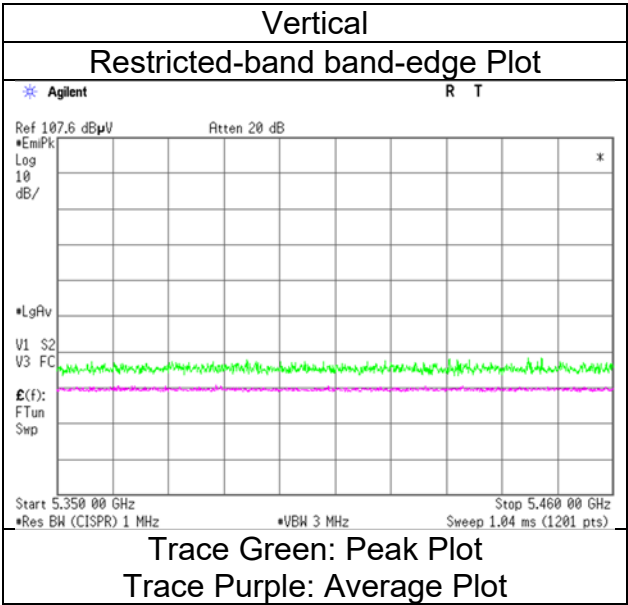
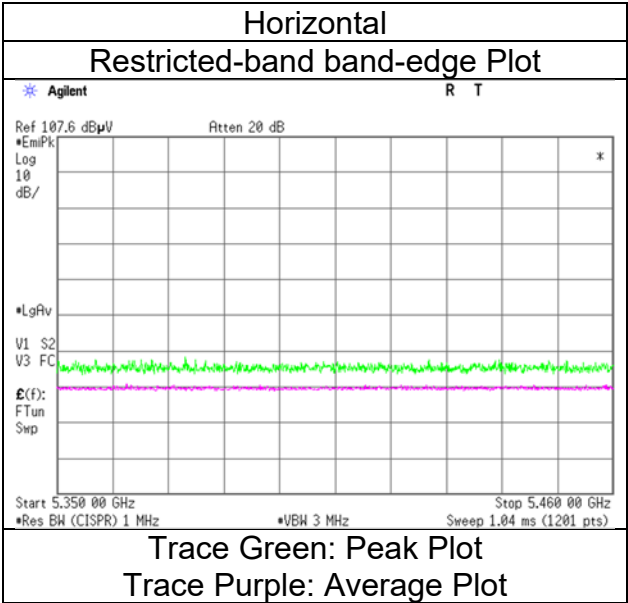
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [26-tone RU/Index 17] 5310 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-40 [52-tone RU/Index 44] 5310 MHz

Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor [dB/m]	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]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5350.0	41.0	32.2	31.8	6.1	30.9	0.8	48.0	40.0	73.9	53.9	25.9	13.9	*1)
Vert.	5350.0	40.5	32.4	31.8	6.1	30.9	0.8	47.5	40.2	73.9	53.9	26.4	13.7	*1)

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)

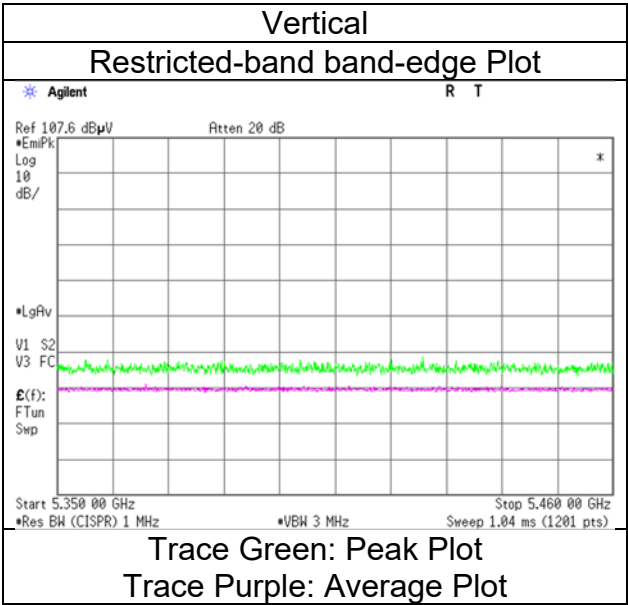
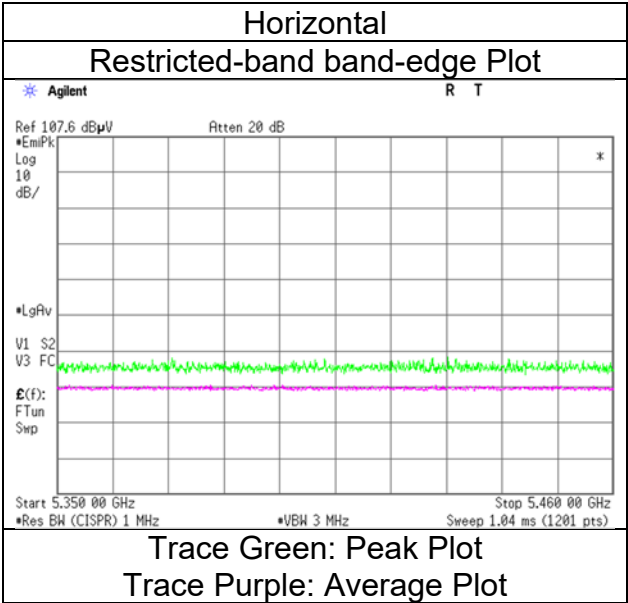
Distance factor: 1 GHz - 6 GHz $20\log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-40 [52-tone RU/Index 44] 5310 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-40 [106-tone RU/Index 56] 5310 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	41.4	32.6	31.8	6.1	30.9	0.8	48.4	40.4	73.9	53.9	25.5	13.5	*1)
Vert.	5350.0	41.1	32.5	31.8	6.1	30.9	0.8	48.1	40.3	73.9	53.9	25.8	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 frequencynoise 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)

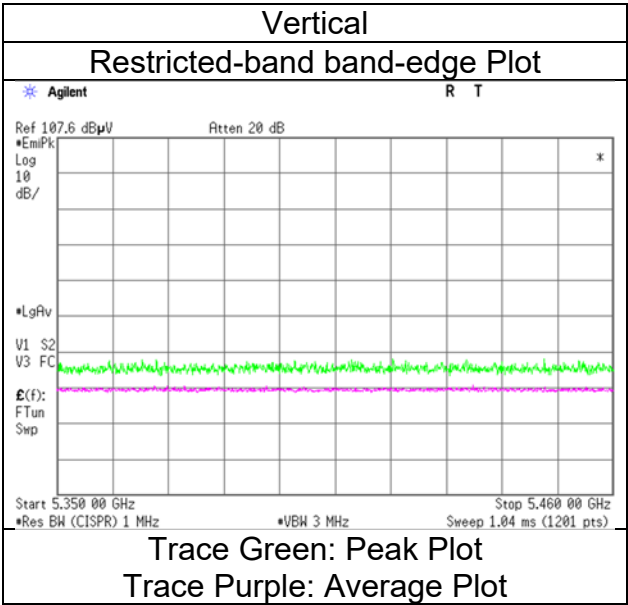
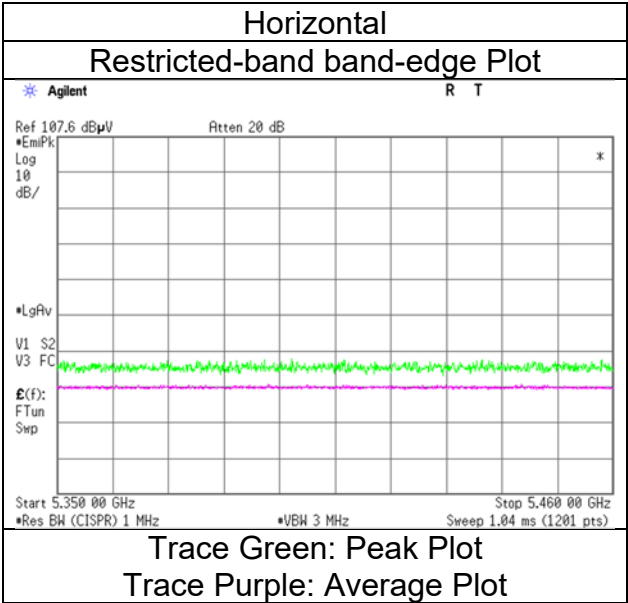
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [106-tone RU/Index 56] 5310 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-40 [242-tone RU/Index 62] 5310 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	42.4	33.0	31.8	6.1	30.9	0.9	49.4	40.9	73.9	53.9	24.5	13.0	*1)
Vert.	5350.0	41.5	32.6	31.8	6.1	30.9	0.9	48.5	40.5	73.9	53.9	25.4	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).

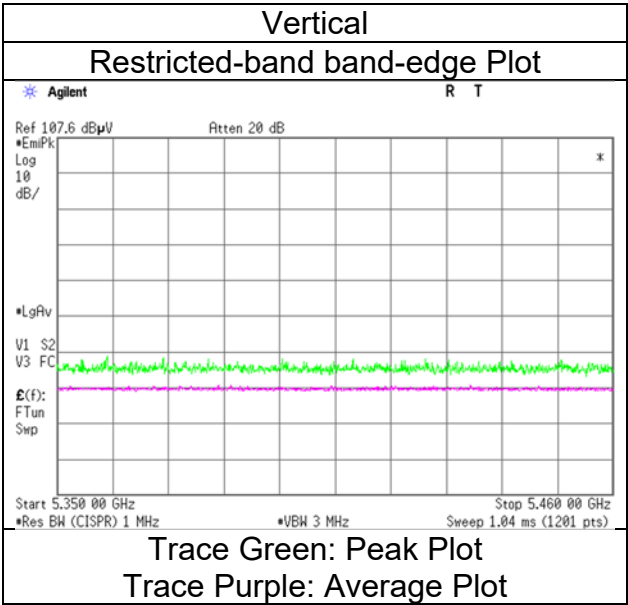
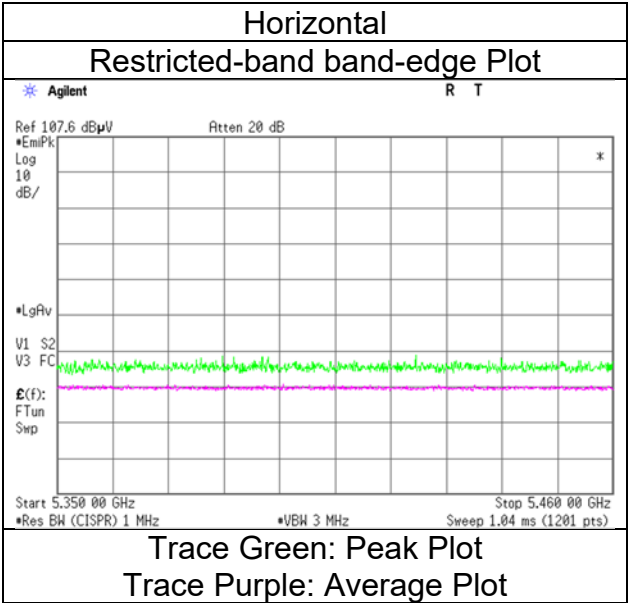
*QP detector was used up to 1GHz.

*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-40 [242-tone RU/Index 62] 5310 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-40 [484-tone RU/Index 65] 5310 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	53.3	35.6	31.8	6.1	30.9	0.9	60.3	43.5	73.9	53.9	13.6	10.4	*1)
Vert.	5350.0	49.9	35.1	31.8	6.1	30.9	0.9	56.9	43.0	73.9	53.9	17.0	10.9	*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)

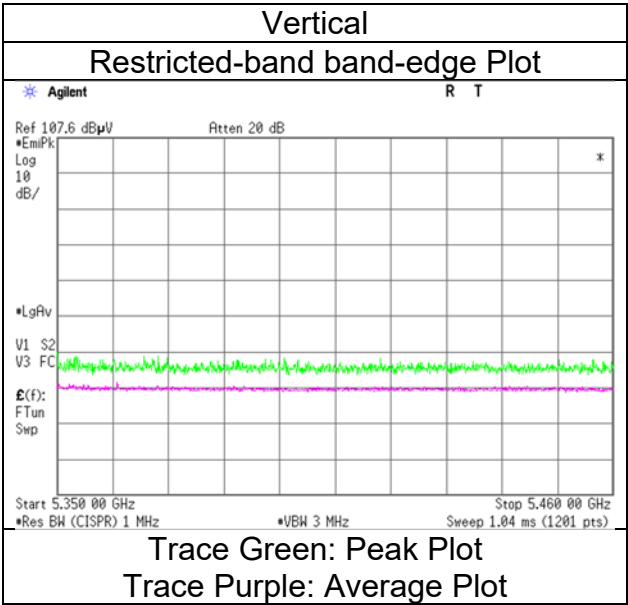
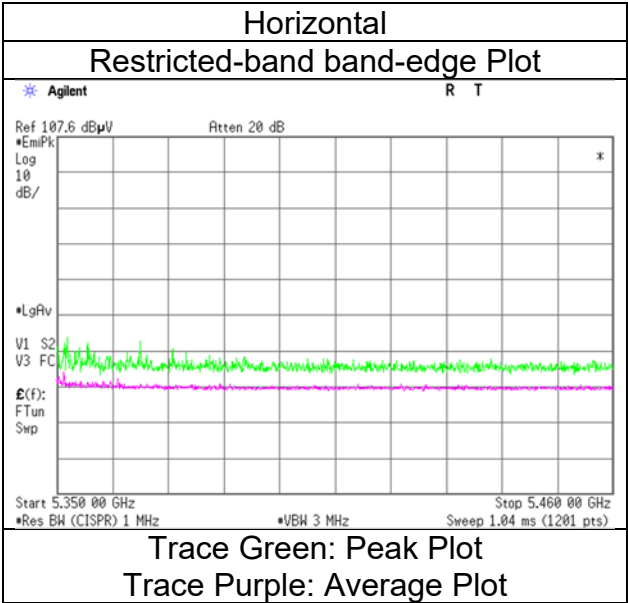
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [484-tone RU/Index 65] 5310 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-40 [26-tone RU/Index 0] 5510 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	40.9	32.2	32.0	6.2	30.9	0.8	48.1	40.2	68.2	53.9	20.1	13.7	*1)
Hori.	5470.0	41.3	-	32.0	6.2	30.9	-	48.5	-	68.2	-	19.7	-	
Vert.	5460.0	41.0	32.1	32.0	6.2	30.9	0.8	48.2	40.1	68.2	53.9	20.0	13.8	*1)
Vert.	5470.0	41.2	-	32.0	6.2	30.9	-	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.

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

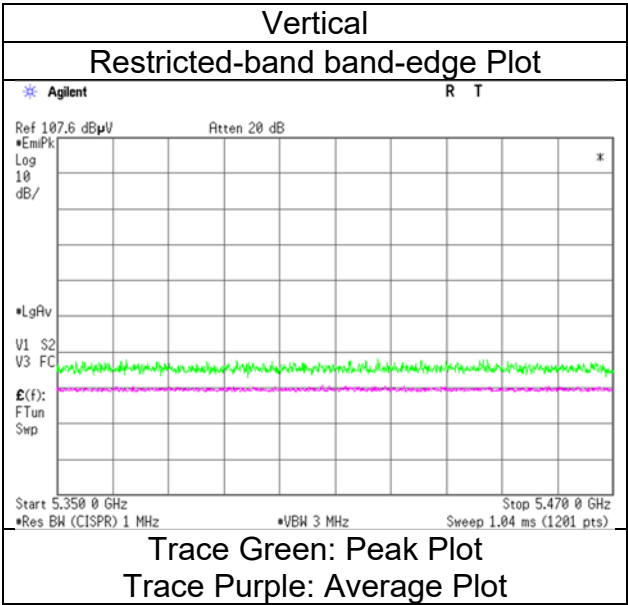
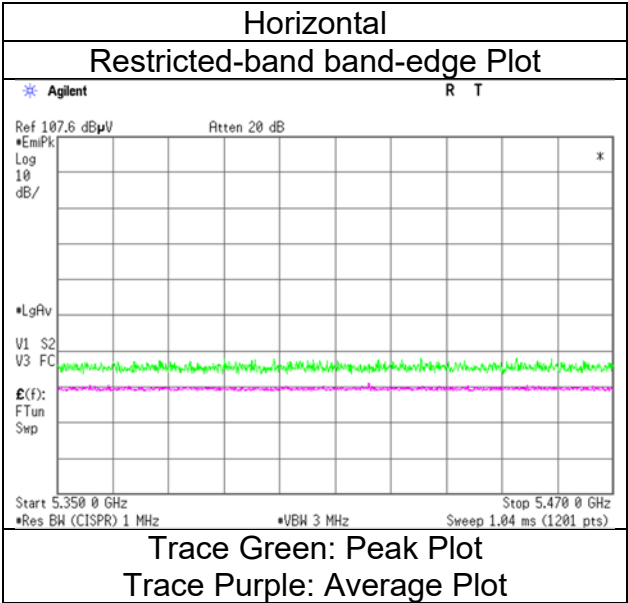
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

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-40 [26-tone RU/Index 0] 5510 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-40 [52-tone RU/Index 37] 5510 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	32.3	32.0	6.2	30.9	0.8	48.4	40.3	68.2	53.9	19.8	13.6	*1)
Hori.	5470.0	42.1	-	32.0	6.2	30.9	-	49.3	-	68.2	-	18.9	-	
Vert.	5460.0	41.1	32.3	32.0	6.2	30.9	0.8	48.3	40.3	68.2	53.9	19.9	13.6	*1)
Vert.	5470.0	41.3	-	32.0	6.2	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)

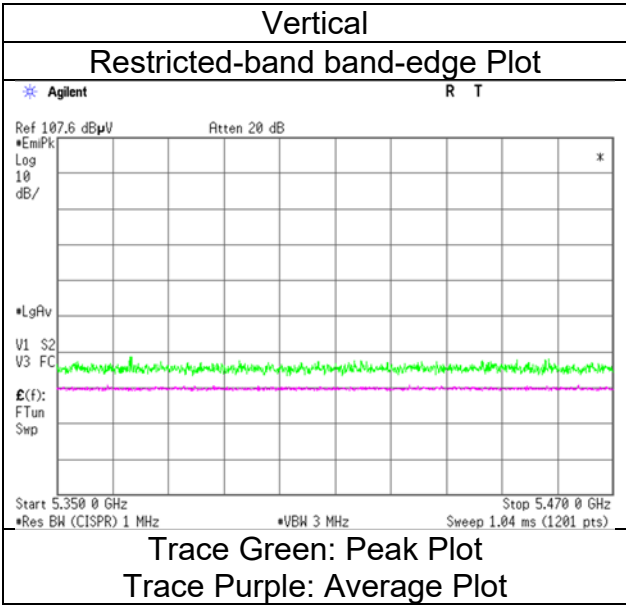
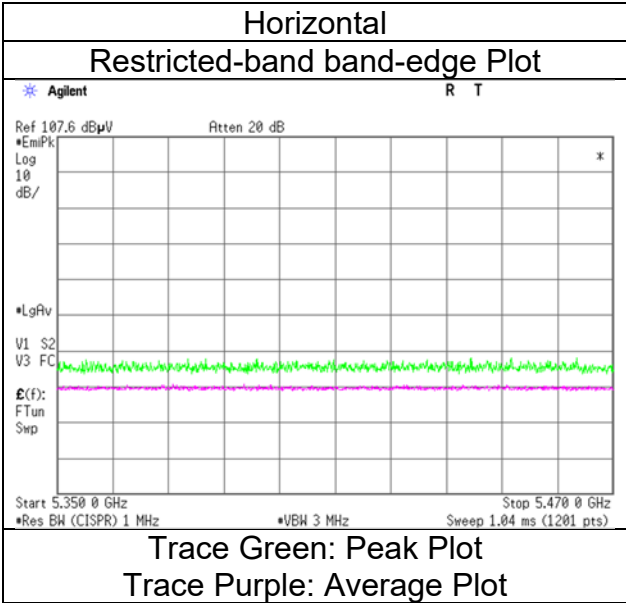
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [52-tone RU/Index 37] 5510 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-40 [106-tone RU/Index 53] 5510 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	41.6	32.7	32.0	6.2	30.9	0.8	48.8	40.7	68.2	53.9	19.4	13.2	*1)
Hori.	5470.0	42.1	-	32.0	6.2	30.9	-	49.3	-	68.2	-	18.9	-	
Vert.	5460.0	41.0	32.4	32.0	6.2	30.9	0.8	48.2	40.4	68.2	53.9	20.0	13.5	*1)
Vert.	5470.0	41.7	-	32.0	6.2	30.9	-	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.
*1) Not Out of Band emission(Leakage Power)

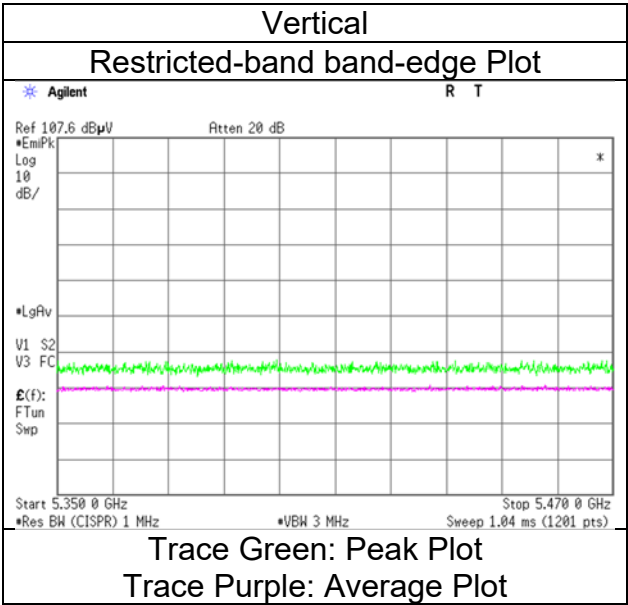
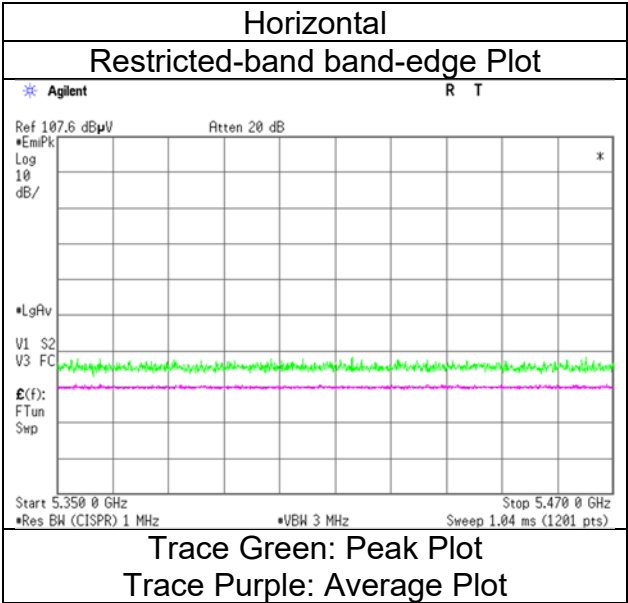
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [106-tone RU/Index 53] 5510 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-40 [242-tone RU/Index 61] 5510 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	43.1	33.9	32.0	6.2	30.9	0.9	50.3	42.0	68.2	53.9	17.9	11.9	*1)
Hori.	5470.0	43.6	-	32.0	6.2	30.9	-	50.8	-	68.2	-	17.4	-	
Vert.	5460.0	42.4	33.4	32.0	6.2	30.9	0.9	49.6	41.5	68.2	53.9	18.6	12.4	*1)
Vert.	5470.0	42.6	-	32.0	6.2	30.9	-	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.
*1) Not Out of Band emission(Leakage Power)

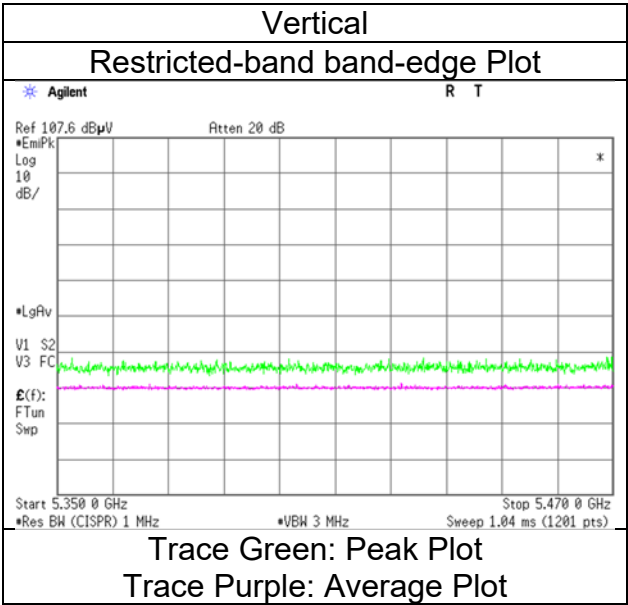
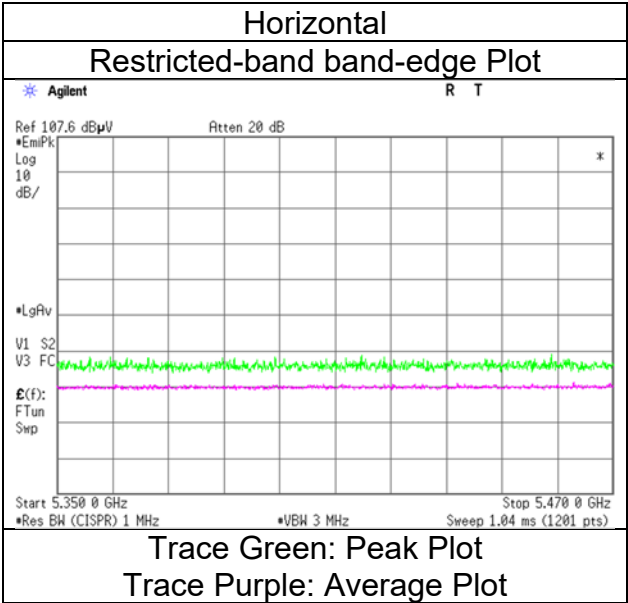
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [242-tone RU/Index 61] 5510 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-40 [484-tone RU/Index 65] 5510 MHz

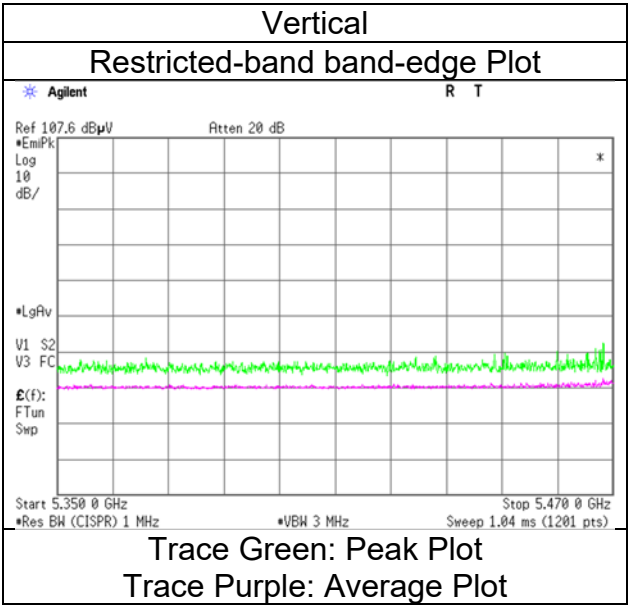
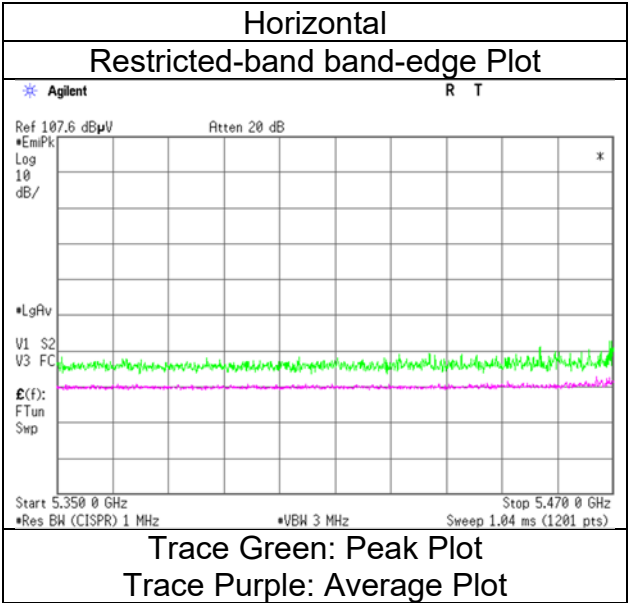
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5460.0	50.5	35.6	32.0	6.2	30.9	0.9	57.7	43.7	68.2	53.9	10.5	10.2	*1)
Hori.	5470.0	54.0	-	32.0	6.2	30.9	-	61.2	-	68.2	-	7.0	-	-
Vert.	5460.0	48.0	34.2	32.0	6.2	30.9	0.9	55.2	42.3	68.2	53.9	13.0	11.6	*1)
Vert.	5470.0	52.1	-	32.0	6.2	30.9	-	59.3	-	68.2	-	8.9	-	-

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	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-40 [484-tone RU/Index 65] 5510 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-40 [26-tone RU/Index 17] 5670 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	40.7	-	32.4	6.3	31.0	-	48.3	-	68.2	-	19.9	-	
Vert.	5725.0	40.8	-	32.4	6.3	31.0	-	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

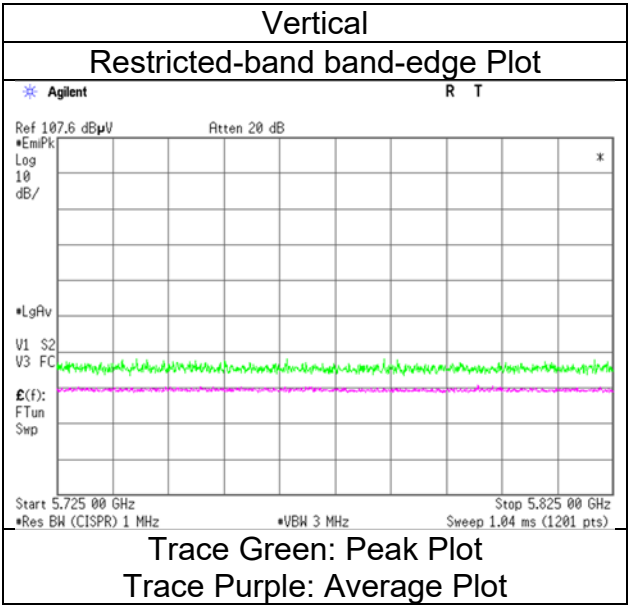
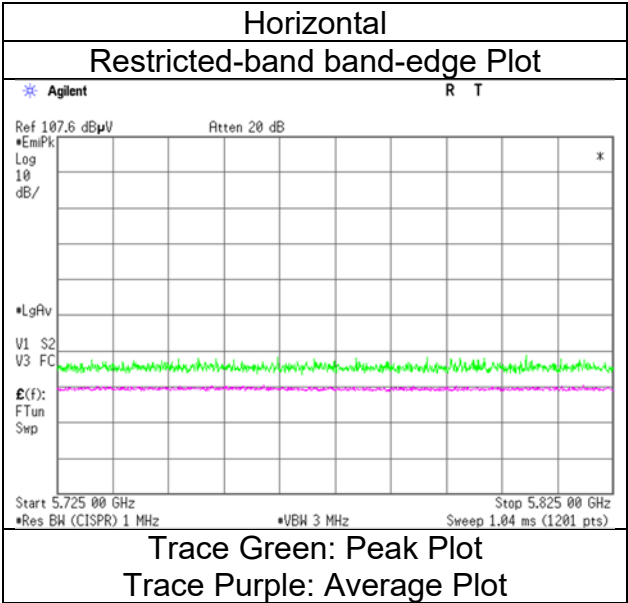
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 8, 2024
21 deg. C / 37 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11be-40 [26-tone RU/Index 17] 5670 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-40 [52-tone RU/Index 44] 5670 MHz

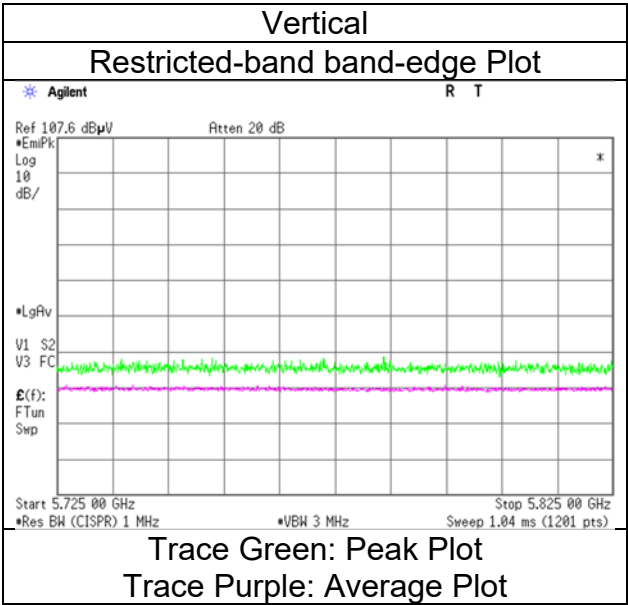
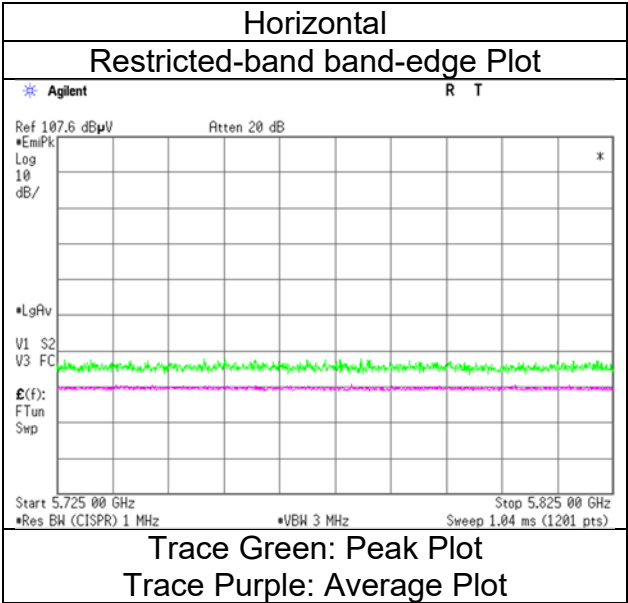
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5725.0	41.2	-	32.4	6.3	31.0	-	48.8	-	68.2	-	19.4	-	
Vert.	5725.0	41.1	-	32.4	6.3	31.0	-	48.7	-	68.2	-	19.5	-	

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

Distance factor: 1 GHz - 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-40 [52-tone RU/Index 44] 5670 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-40 [106-tone RU/Index 56] 5670 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	6.3	31.0	-	49.1	-	68.2	-	19.1	-	
Vert.	5725.0	40.9	-	32.4	6.3	31.0	-	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

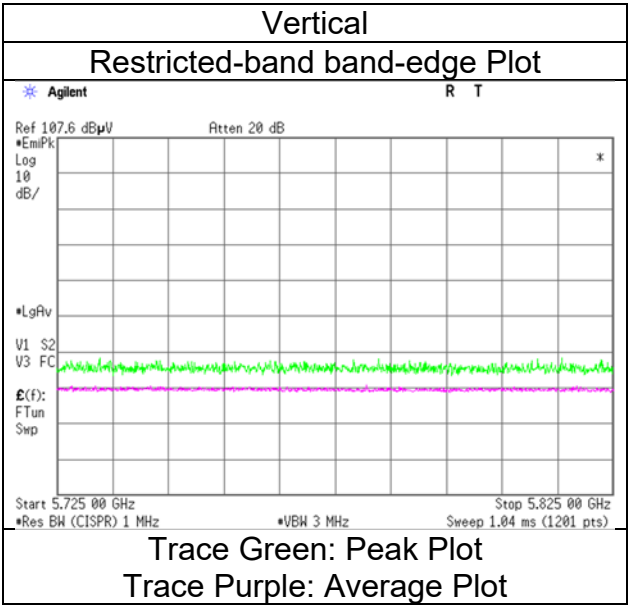
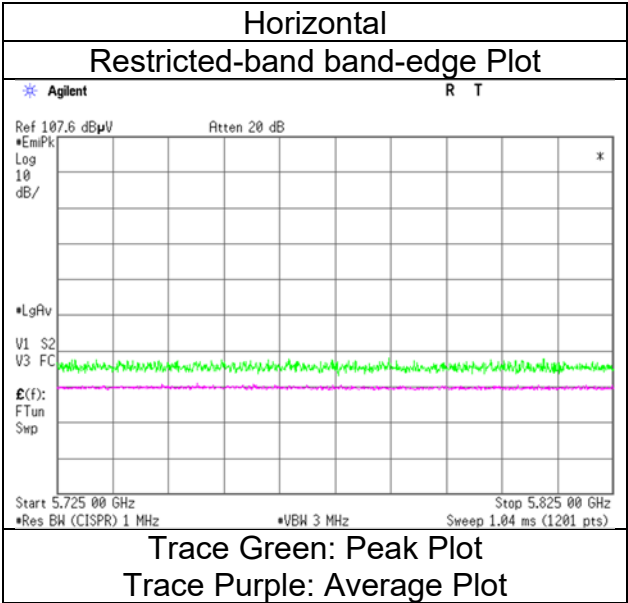
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

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-40 [106-tone RU/Index 56] 5670 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-40 [242-tone RU/Index 62] 5670 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	42.3	-	32.4	6.3	31.0	-	49.9	-	68.2	-	18.3	-	
Vert.	5725.0	42.0	-	32.4	6.3	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.

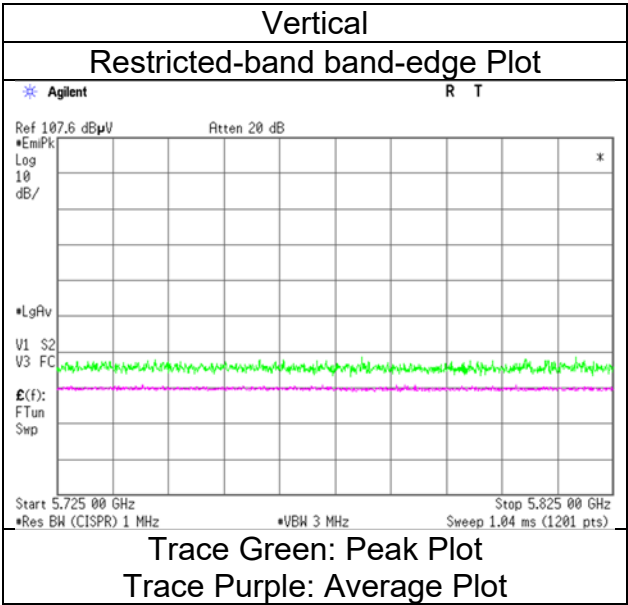
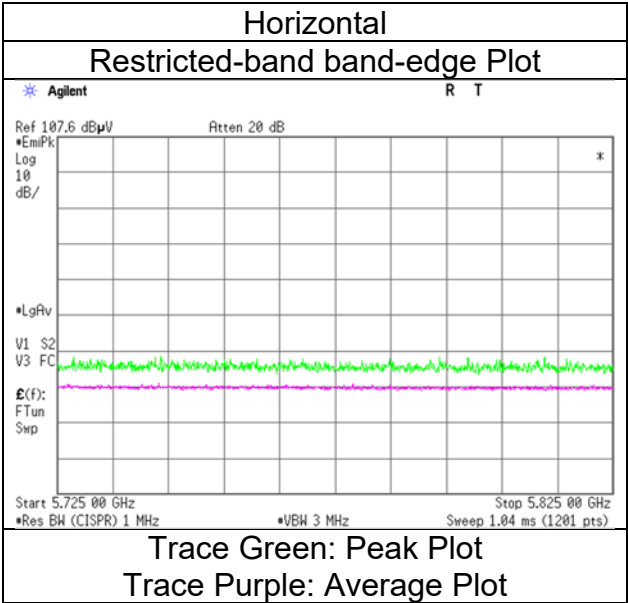
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
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-40 [242-tone RU/Index 62] 5670 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-40 [484-tone RU/Index 65] 5670 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	50.3	-	32.4	6.3	31.0	-	57.9	-	68.2	-	10.3	-	
Vert.	5725.0	46.3	-	32.4	6.3	31.0	-	53.9	-	68.2	-	14.3	-	

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.

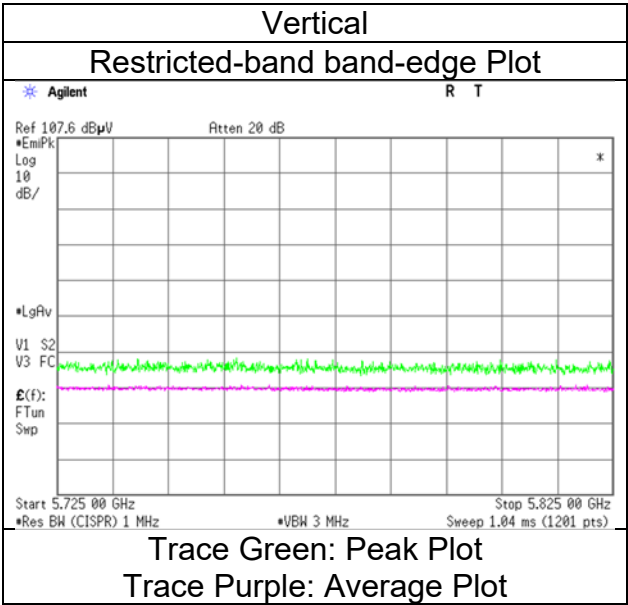
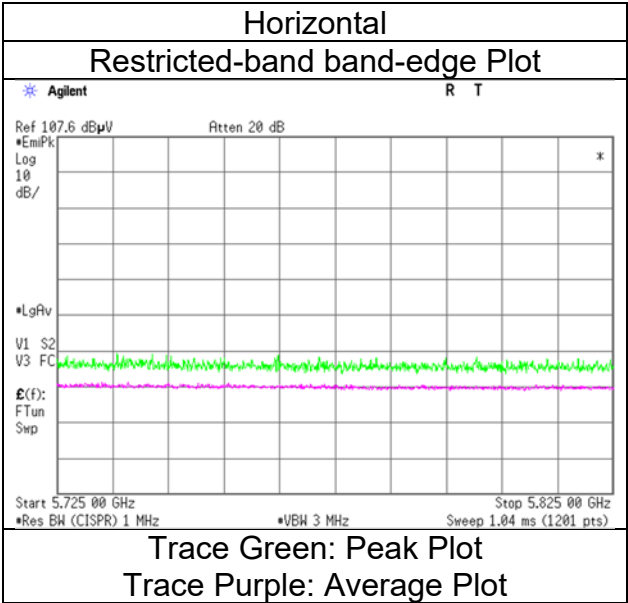
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

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-40 [484-tone RU/Index 65] 5670 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [26-tone RU/Index 0] 5755 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5650.0	41.6	-	32.2	6.1	31.0	-	48.9	-	68.2	-	19.3	-	
Hori.	5700.0	41.6	-	32.3	6.2	31.0	-	49.0	-	105.2	-	56.2	-	
Hori.	5720.0	42.1	-	32.3	6.2	31.0	-	49.6	-	110.8	-	61.3	-	
Hori.	5725.0	42.2	-	32.4	6.2	31.0	-	49.7	-	122.2	-	72.5	-	
Vert.	5650.0	41.2	-	32.2	6.1	31.0	-	48.6	-	68.2	-	19.7	-	
Vert.	5700.0	41.6	-	32.3	6.2	31.0	-	49.0	-	105.2	-	56.2	-	
Vert.	5720.0	42.0	-	32.3	6.2	31.0	-	49.5	-	110.8	-	61.3	-	
Vert.	5725.0	42.3	-	32.4	6.2	31.0	-	49.8	-	122.2	-	72.4	-	

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.

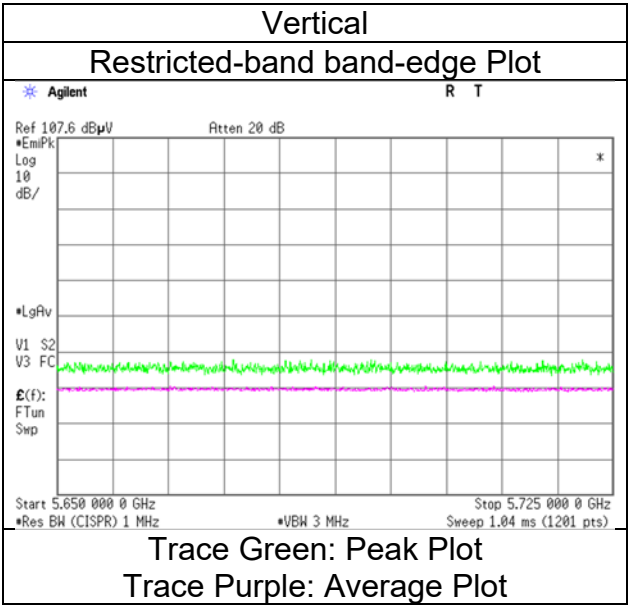
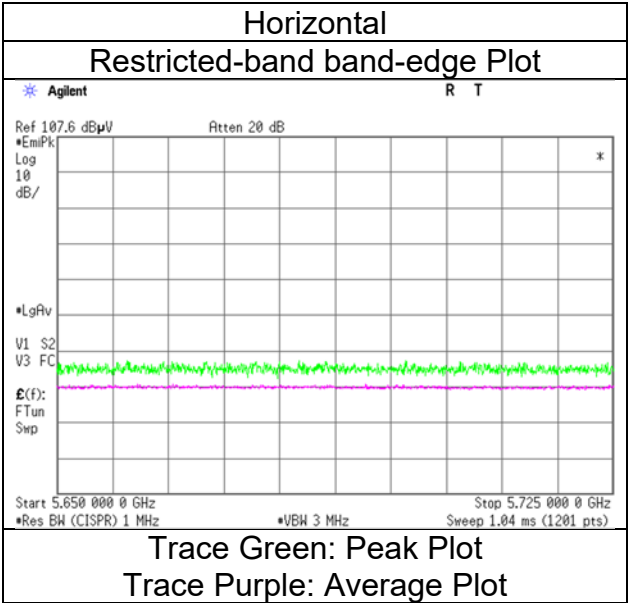
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [26-tone RU/Index 0] 5755 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-40 [52-tone RU/Index 37] 5755 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.	5650.0	41.5	-	32.2	6.1	31.0	-	48.9	-	68.2	-	19.3	-	
Hori.	5700.0	41.8	-	32.3	6.2	31.0	-	49.2	-	105.2	-	56.0	-	
Hori.	5720.0	41.9	-	32.3	6.2	31.0	-	49.4	-	110.8	-	61.5	-	
Hori.	5725.0	42.3	-	32.4	6.2	31.0	-	49.8	-	122.2	-	72.4	-	
Vert.	5650.0	41.0	-	32.2	6.1	31.0	-	48.3	-	68.2	-	19.9	-	
Vert.	5700.0	41.7	-	32.3	6.2	31.0	-	49.1	-	105.2	-	56.1	-	
Vert.	5720.0	41.9	-	32.3	6.2	31.0	-	49.4	-	110.8	-	61.4	-	
Vert.	5725.0	42.1	-	32.4	6.2	31.0	-	49.6	-	122.2	-	72.6	-	

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

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

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

*QP detector was used up to 1GHz.

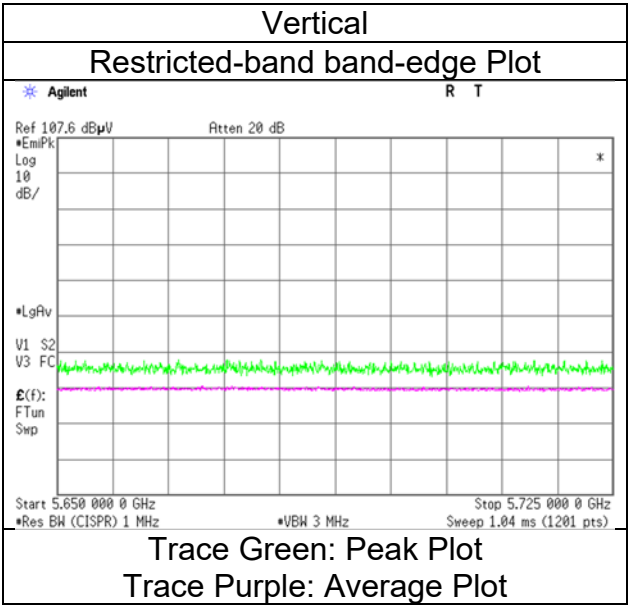
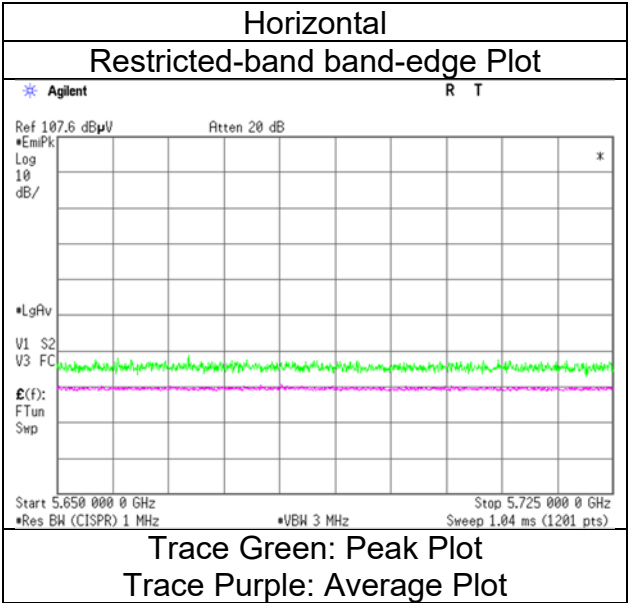
Distance factor: 1 GHz - 6 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [52-tone RU/Index 37] 5755 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [106-tone RU/Index 53] 5755 MHz

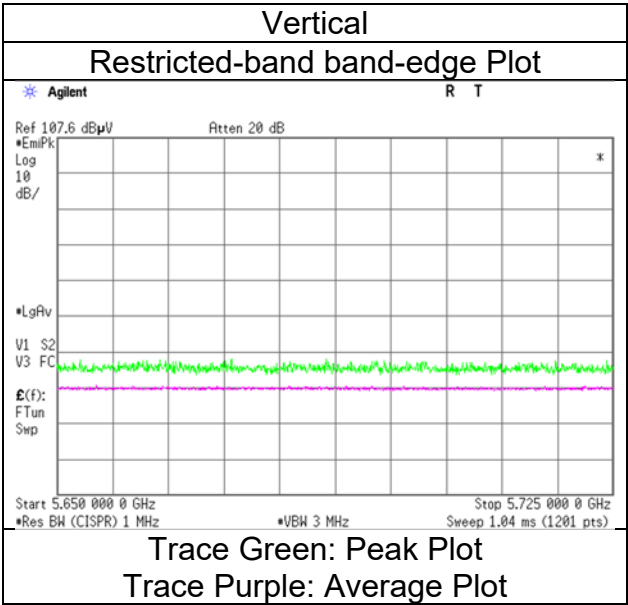
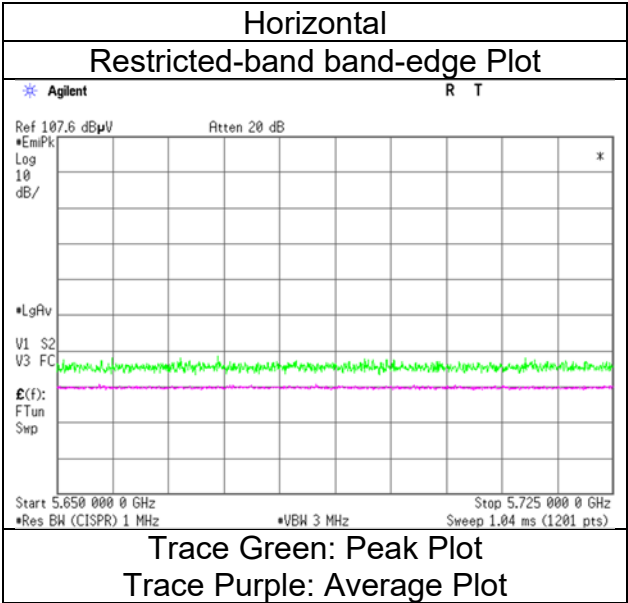
Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5650.0	41.3	-	32.2	6.1	31.0	-	48.6	-	68.2	-	19.6	-	
Hori.	5700.0	41.8	-	32.3	6.2	31.0	-	49.2	-	105.2	-	56.0	-	
Hori.	5720.0	42.2	-	32.3	6.2	31.0	-	49.7	-	110.8	-	61.1	-	
Hori.	5725.0	43.1	-	32.4	6.2	31.0	-	50.6	-	122.2	-	71.6	-	
Vert.	5650.0	41.7	-	32.2	6.1	31.0	-	49.0	-	68.2	-	19.2	-	
Vert.	5700.0	42.2	-	32.3	6.2	31.0	-	49.6	-	105.2	-	55.6	-	
Vert.	5720.0	42.2	-	32.3	6.2	31.0	-	49.7	-	110.8	-	61.1	-	
Vert.	5725.0	42.7	-	32.4	6.2	31.0	-	50.2	-	122.2	-	72.0	-	

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	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-40 [106-tone RU/Index 53] 5755 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [242-tone RU/Index 61] 5755 MHz

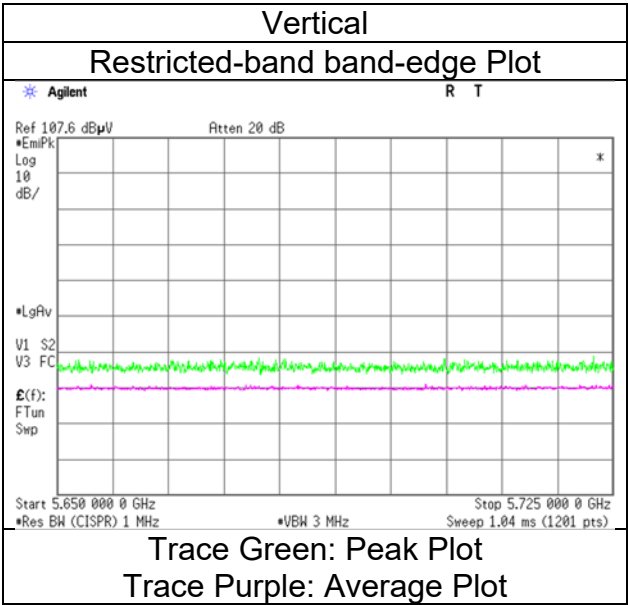
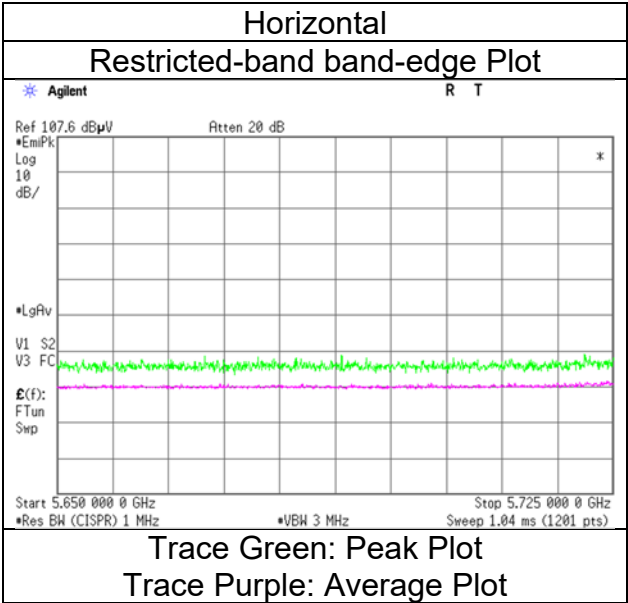
Polarity	Frequency	Reading (QP / PK)	Reading (AV)	Ant. Factor	Loss	Gain	Duty Factor	Result (QP / PK)	Result (AV)	Limit (QP / PK)	Limit (AV)	Margin (QP / PK)	Margin (AV)	Remark
[Hori/Vert]	[MHz]	[dBuV]	[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	
Hori.	5650.0	42.2	-	32.2	6.1	31.0	-	49.5	-	68.2	-	18.7	-	
Hori.	5700.0	42.6	-	32.3	6.2	31.0	-	50.0	-	105.2	-	55.2	-	
Hori.	5720.0	43.3	-	32.3	6.2	31.0	-	50.7	-	110.8	-	60.1	-	
Hori.	5725.0	45.2	-	32.4	6.2	31.0	-	52.7	-	122.2	-	69.5	-	
Vert.	5650.0	41.7	-	32.2	6.1	31.0	-	49.0	-	68.2	-	19.2	-	
Vert.	5700.0	42.1	-	32.3	6.2	31.0	-	49.6	-	105.2	-	55.6	-	
Vert.	5720.0	43.0	-	32.3	6.2	31.0	-	50.4	-	110.8	-	60.4	-	
Vert.	5725.0	43.8	-	32.4	6.2	31.0	-	51.4	-	122.2	-	70.9	-	

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	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	February 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-40 [242-tone RU/Index 61] 5755 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [484-tone RU/Index 65] 5755 MHz

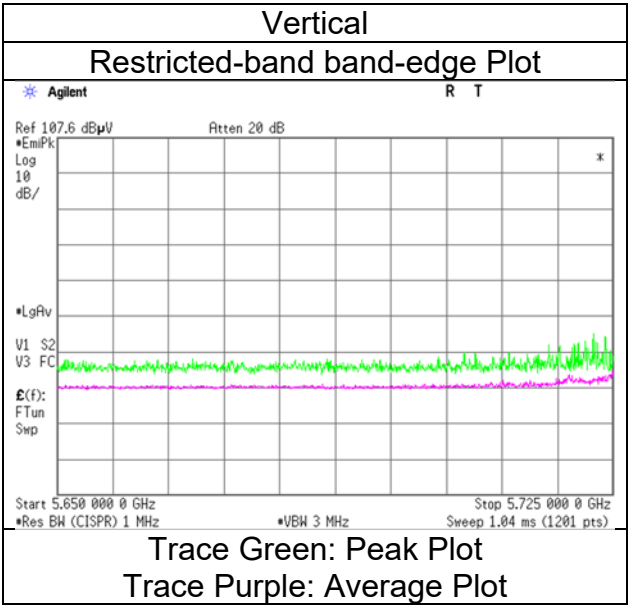
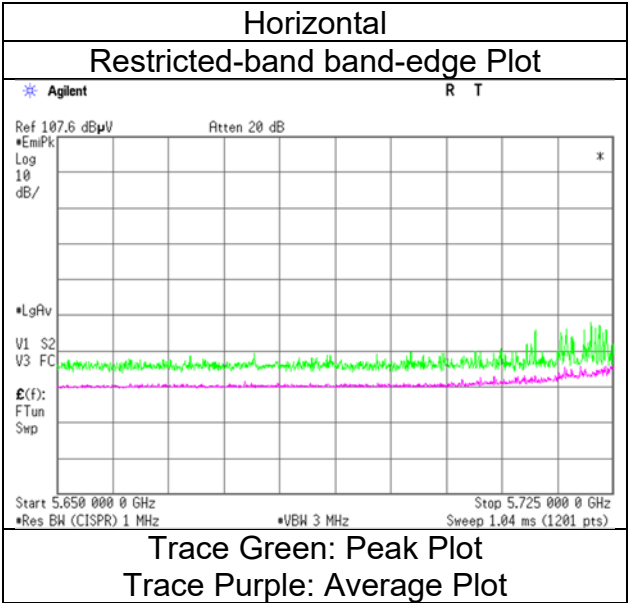
Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5650.0	42.6	-	32.2	6.1	31.0	-	49.9	-	68.2	-	18.3	-	
Hori.	5700.0	48.9	-	32.3	6.2	31.0	-	56.3	-	105.2	-	48.9	-	
Hori.	5720.0	57.3	-	32.3	6.2	31.0	-	64.8	-	110.8	-	46.0	-	
Hori.	5725.0	58.5	-	32.4	6.2	31.0	-	66.0	-	122.2	-	56.2	-	
Vert.	5650.0	43.8	-	32.2	6.1	31.0	-	51.1	-	68.2	-	17.1	-	
Vert.	5700.0	48.4	-	32.3	6.2	31.0	-	55.8	-	105.2	-	49.4	-	
Vert.	5720.0	53.2	-	32.3	6.2	31.0	-	60.7	-	110.8	-	50.1	-	
Vert.	5725.0	57.4	-	32.4	6.2	31.0	-	64.9	-	122.2	-	57.3	-	

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

Distance factor: 1 GHz - 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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-40 [484-tone RU/Index 65] 5755 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [26-tone RU/Index 17] 5795 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5850.0	41.4	-	32.7	6.2	31.1	-	49.2	-	122.2	-	73.0	-	
Hori.	5855.0	41.3	-	32.7	6.2	31.1	-	49.1	-	110.8	-	61.7	-	
Hori.	5875.0	41.2	-	32.7	6.2	31.1	-	49.1	-	105.2	-	56.1	-	
Hori.	5925.0	40.8	-	32.8	6.2	31.1	-	48.7	-	68.2	-	19.5	-	
Vert.	5850.0	41.0	-	32.7	6.2	31.1	-	48.8	-	122.2	-	73.4	-	
Vert.	5855.0	41.0	-	32.7	6.2	31.1	-	48.8	-	110.8	-	62.0	-	
Vert.	5875.0	40.8	-	32.7	6.2	31.1	-	48.6	-	105.2	-	56.6	-	
Vert.	5925.0	40.3	-	32.8	6.2	31.1	-	48.2	-	68.2	-	20.0	-	

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

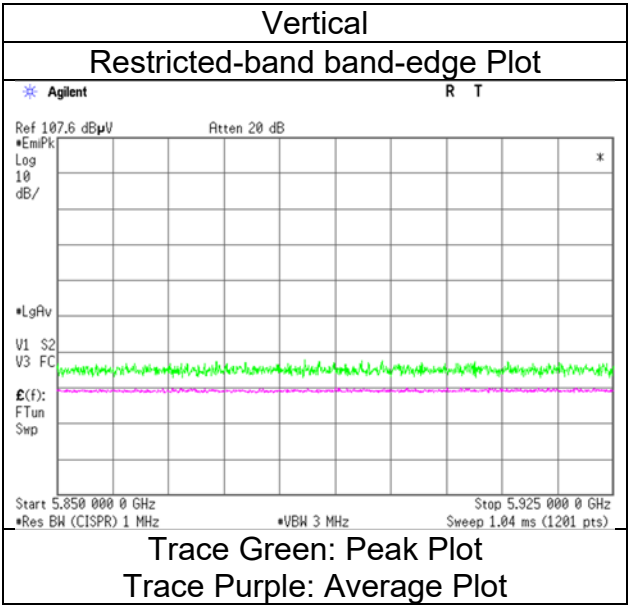
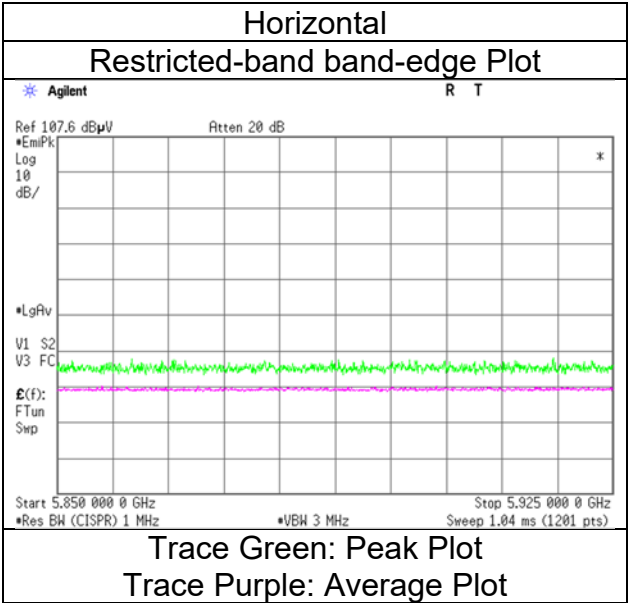
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [26-tone RU/Index 17] 5795 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [52-tone RU/Index 44] 5795 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5850.0	41.4	-	32.7	6.2	31.1	-	49.3	-	122.2	-	73.0	-	
Hori.	5855.0	41.0	-	32.7	6.2	31.1	-	48.8	-	110.8	-	62.0	-	
Hori.	5875.0	40.8	-	32.7	6.2	31.1	-	48.7	-	105.2	-	56.5	-	
Hori.	5925.0	40.4	-	32.8	6.2	31.1	-	48.3	-	68.2	-	19.9	-	
Vert.	5850.0	41.2	-	32.7	6.2	31.1	-	49.0	-	122.2	-	73.2	-	
Vert.	5855.0	41.0	-	32.7	6.2	31.1	-	48.8	-	110.8	-	62.0	-	
Vert.	5875.0	40.9	-	32.7	6.2	31.1	-	48.8	-	105.2	-	56.4	-	
Vert.	5925.0	40.3	-	32.8	6.2	31.1	-	48.3	-	68.2	-	20.0	-	

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

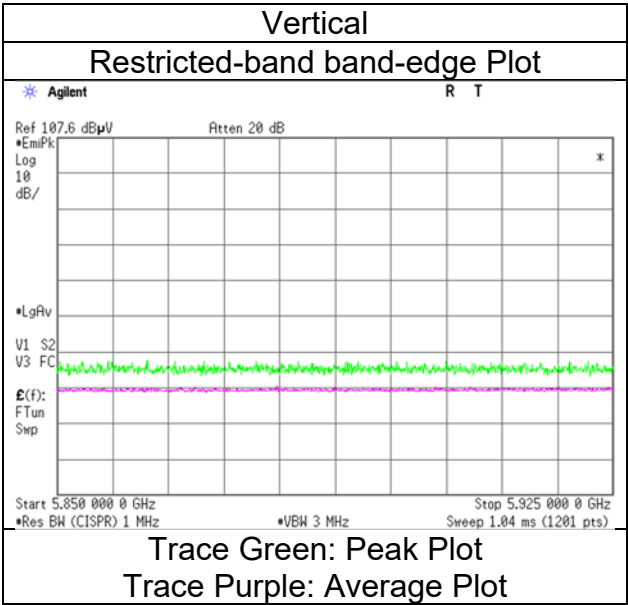
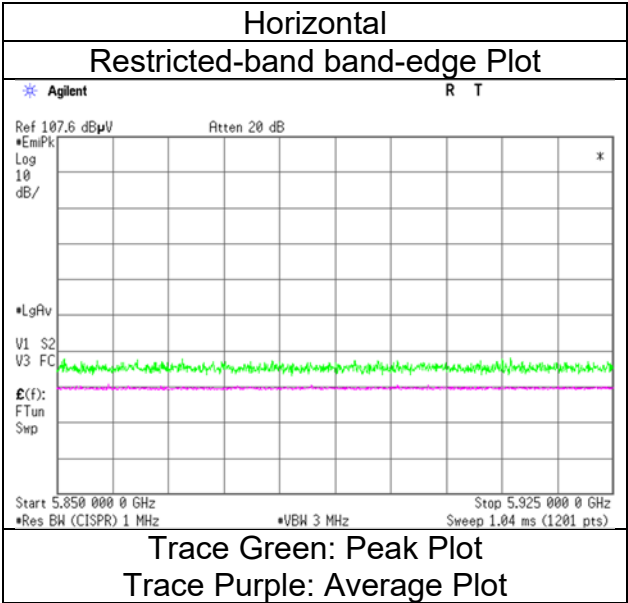
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [52-tone RU/Index 44] 5795 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [106-tone RU/Index 56] 5795 MHz

Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5850.0	42.2	-	32.7	6.2	31.1	-	50.0	-	122.2	-	72.2	-	
Hori.	5855.0	42.1	-	32.7	6.2	31.1	-	49.9	-	110.8	-	60.9	-	
Hori.	5875.0	41.7	-	32.7	6.2	31.1	-	49.5	-	105.2	-	55.7	-	
Hori.	5925.0	41.6	-	32.8	6.2	31.1	-	49.5	-	68.2	-	18.7	-	
Vert.	5850.0	42.0	-	32.7	6.2	31.1	-	49.8	-	122.2	-	72.4	-	
Vert.	5855.0	41.1	-	32.7	6.2	31.1	-	48.9	-	110.8	-	61.9	-	
Vert.	5875.0	41.0	-	32.7	6.2	31.1	-	48.9	-	105.2	-	56.3	-	
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.

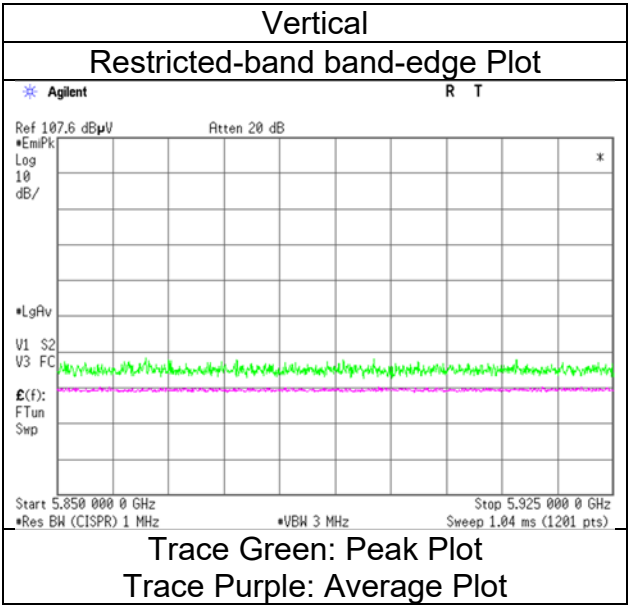
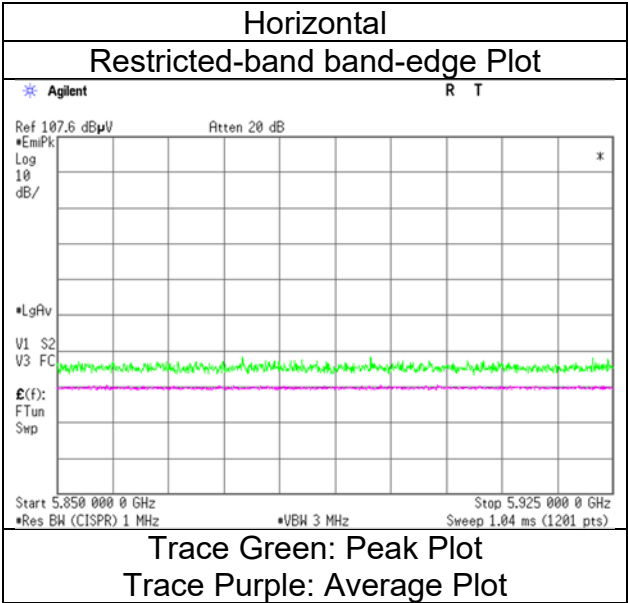
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [106-tone RU/Index 56] 5795 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [242-tone RU/Index 62] 5795 MHz

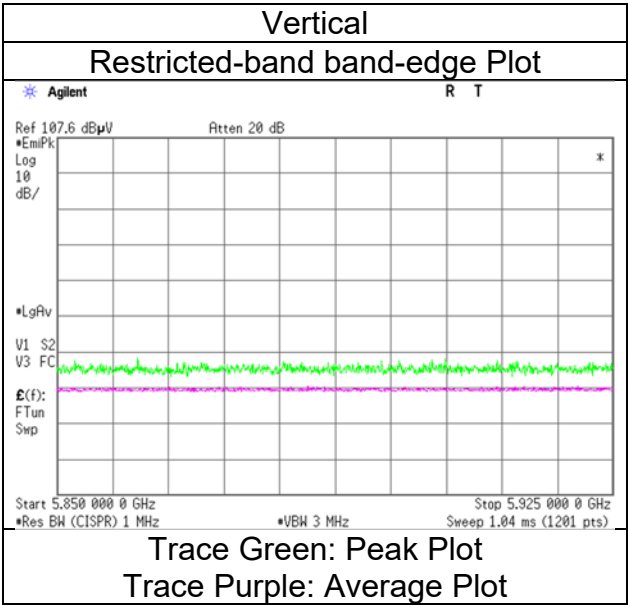
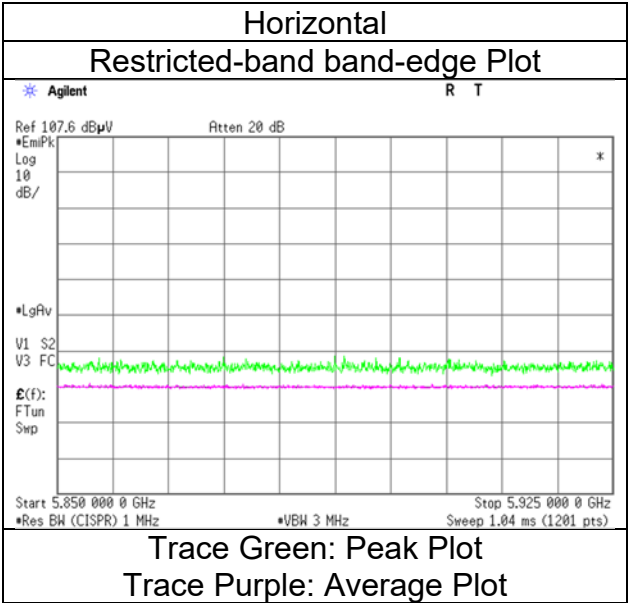
Polarity	Frequency	Reading	Reading	Ant.	Loss	Gain	Duty	Result	Result	Limit	Limit	Margin	Margin	Remark
[Hori/Vert]	[MHz]	(QP / PK) [dBuV]	(AV) [dBuV]	Factor [dB/m]	[dB]	[dB]	[dB]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dBuV/m]	(AV) [dBuV/m]	(QP / PK) [dB]	(AV) [dB]	
Hori.	5850.0	42.6	-	32.7	6.2	31.1	-	50.4	-	122.2	-	71.8	-	
Hori.	5855.0	42.5	-	32.7	6.2	31.1	-	50.3	-	110.8	-	60.5	-	
Hori.	5875.0	42.3	-	32.7	6.2	31.1	-	50.2	-	105.2	-	55.0	-	
Hori.	5925.0	41.6	-	32.8	6.2	31.1	-	49.6	-	68.2	-	18.7	-	
Vert.	5850.0	42.4	-	32.7	6.2	31.1	-	50.2	-	122.2	-	72.0	-	
Vert.	5855.0	41.3	-	32.7	6.2	31.1	-	49.1	-	110.8	-	61.7	-	
Vert.	5875.0	41.4	-	32.7	6.2	31.1	-	49.3	-	105.2	-	55.9	-	
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 7, 2024
Temperature / Humidity	21 deg. C / 38 % RH
Engineer	Tetsuro Yoshida
	(1 GHz to 6 GHz)
Mode	Tx 11be-40 [242-tone RU/Index 62] 5795 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 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [484-tone RU/Index 65] 5795 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	50.0	-	32.7	6.2	31.1	-	57.8	-	122.2	-	64.4	-	
Hori.	5855.0	49.4	-	32.7	6.2	31.1	-	57.3	-	110.8	-	53.5	-	
Hori.	5875.0	46.4	-	32.7	6.2	31.1	-	54.3	-	105.2	-	50.9	-	
Hori.	5925.0	42.2	-	32.8	6.2	31.1	-	50.1	-	68.2	-	18.1	-	
Vert.	5850.0	46.5	-	32.7	6.2	31.1	-	54.3	-	122.2	-	67.9	-	
Vert.	5855.0	45.4	-	32.7	6.2	31.1	-	53.3	-	110.8	-	57.5	-	
Vert.	5875.0	41.9	-	32.7	6.2	31.1	-	49.8	-	105.2	-	55.4	-	
Vert.	5925.0	40.9	-	32.8	6.2	31.1	-	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 frequencynoise omitted in this report were not seen or had enough margin (more than 20 dB).
*QP detector was used up to 1GHz.

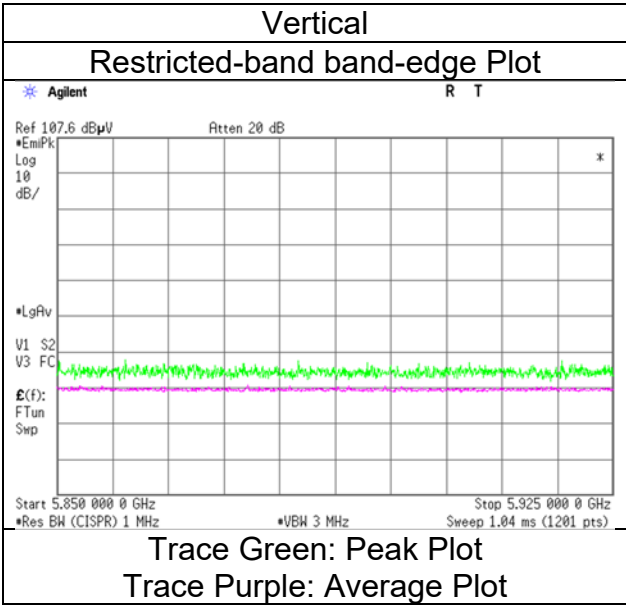
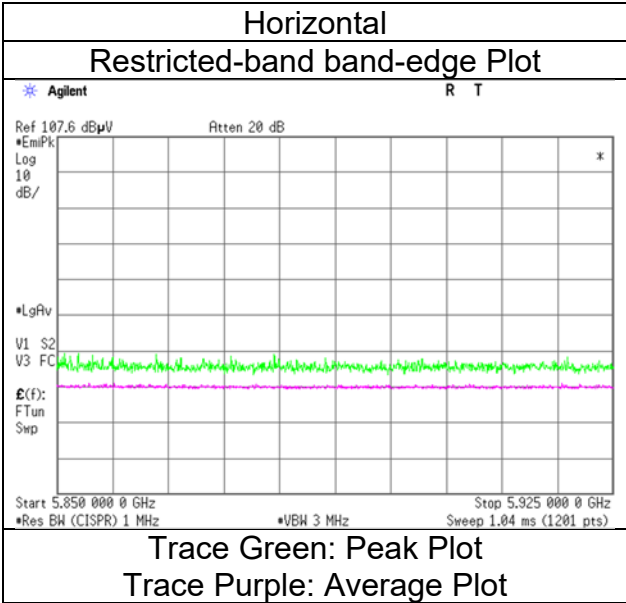
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 7, 2024
21 deg. C / 38 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-40 [484-tone RU/Index 65] 5795 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	20 deg. C / 41 % RH
Engineer	Tomohisa Nakagawa (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 9, 2024
Temperature / Humidity	23 deg. C / 35 % RH
Engineer	Hiroyuki Furutaka (6 GHz to 10 GHz)
Mode	Tx 11ac-80 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	46.3	35.8	31.8	6.0	30.9	-	53.2	42.7	73.9	53.9	20.7	11.2	
Hori.	10580.0	42.9	-	36.5	-0.4	32.7	-	46.3	-	68.2	-	21.9	-	Floor noise
Hori.	15870.0	44.5	35.8	39.9	1.1	32.2	-	53.2	44.6	73.9	53.9	20.7	9.3	Floor noise
Vert.	5350.0	44.1	33.7	31.8	6.0	30.9	-	51.0	40.6	73.9	53.9	22.9	13.3	
Vert.	10580.0	42.9	-	36.5	-0.4	32.7	-	46.2	-	68.2	-	22.0	-	Floor noise
Vert.	15870.0	45.4	36.0	39.9	1.1	32.2	-	54.2	44.8	73.9	53.9	19.7	9.1	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.

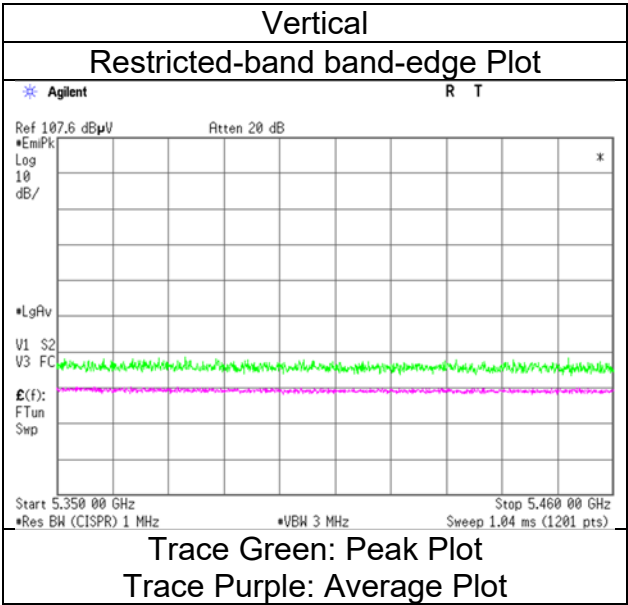
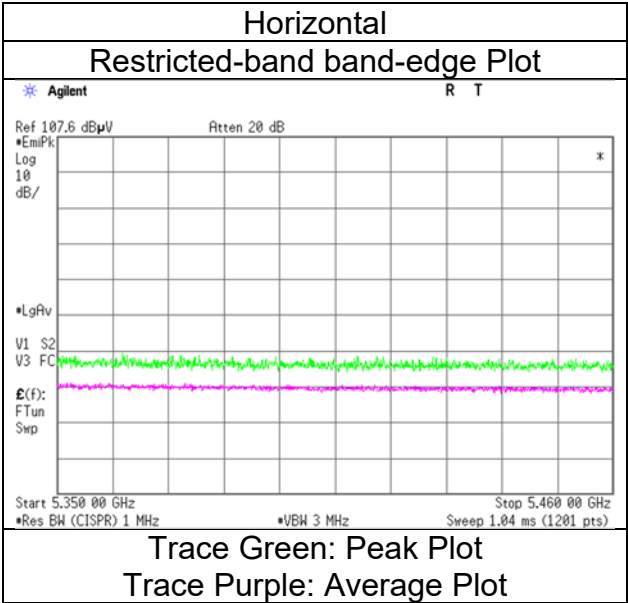
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
20 deg. C / 41 % RH
Hiroyuki Furutaka
(1 GHz to 6 GHz)
Tx 11ac-80 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 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 9, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Hiroyuki Furutaka
 (6 GHz to 10 GHz)
Mode Tx 11be-80 [OFDM] 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	44.4	33.9	32.1	5.9	30.9	0.1	51.6	41.2	73.9	53.9	22.3	12.7	*1)
Hori.	10420.0	41.7	-	36.1	-0.5	32.6	-	44.7	-	68.2	-	23.5	-	Floor noise
Hori.	15630.0	45.4	38.0	39.5	1.1	32.2	-	53.8	46.4	73.9	53.9	20.1	7.5	Floor noise
Vert.	5150.0	42.2	31.2	32.1	5.9	30.9	0.1	49.4	38.5	73.9	53.9	24.5	15.4	*1)
Vert.	10420.0	42.4	-	36.1	-0.5	32.6	-	45.3	-	68.2	-	22.9	-	Floor noise
Vert.	15630.0	45.3	36.9	39.5	1.1	32.2	-	53.7	45.3	73.9	53.9	20.2	8.6	Floor noise

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

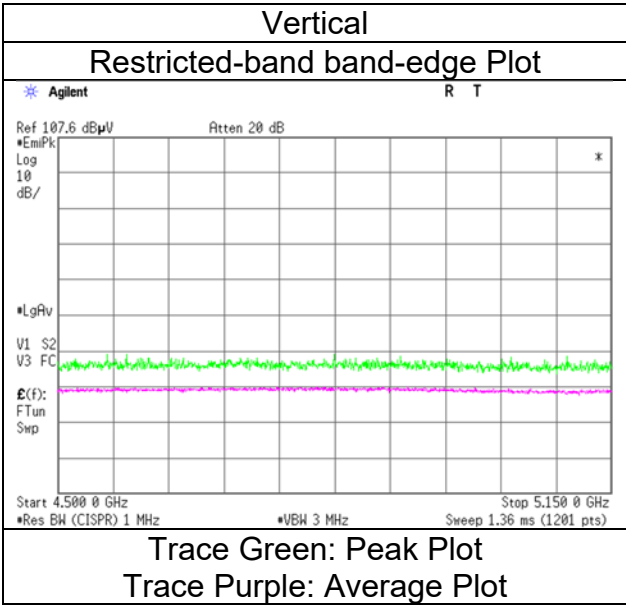
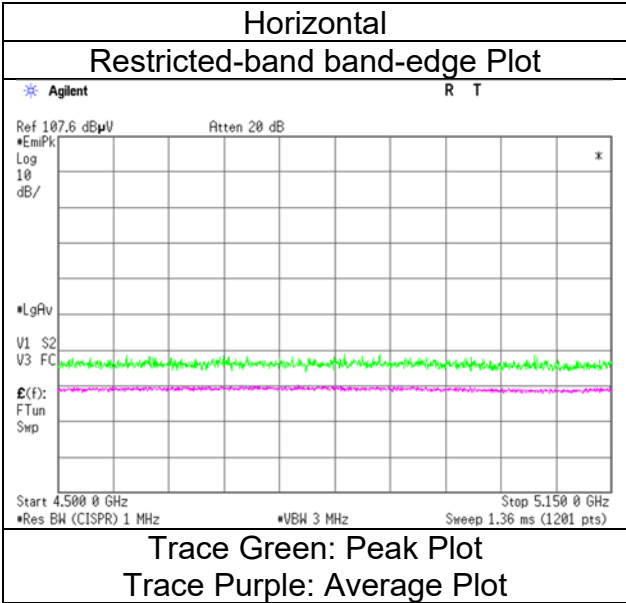
Distance factor: 1 GHz - 6 GHz 20log (3.95 m / 3.0 m) = 2.39 dB
 6 GHz - 10 GHz 20log (4.95 m / 3.0 m) = 4.35 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
21 deg. C / 43 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [OFDM] 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	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 (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			
Date	February 9, 2024			
Temperature / Humidity	23 deg. C / 35 % RH			
Engineer	Hiroyuki Furutaka (6 GHz to 10 GHz)			
Mode	Tx 11be-80 [OFDM] 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	44.8	34.3	31.8	6.0	30.9	0.1	51.7	41.3	73.9	53.9	22.2	12.6	*1)
Hori.	10580.0	42.5	-	36.5	-0.4	32.7	-	45.9	-	68.2	-	22.3	-	Floor noise
Hori.	15870.0	44.1	36.4	39.9	1.1	32.2	-	52.8	45.2	73.9	53.9	21.1	8.7	Floor noise
Vert.	5350.0	44.1	33.3	31.8	6.0	30.9	0.1	50.9	40.3	73.9	53.9	23.0	13.6	*1)
Vert.	10580.0	43.6	-	36.5	-0.4	32.7	-	47.0	-	68.2	-	21.2	-	Floor noise
Vert.	15870.0	44.6	37.7	39.9	1.1	32.2	-	53.3	46.5	73.9	53.9	20.6	7.4	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.
*1) Not Out of Band emission(Leakage Power)

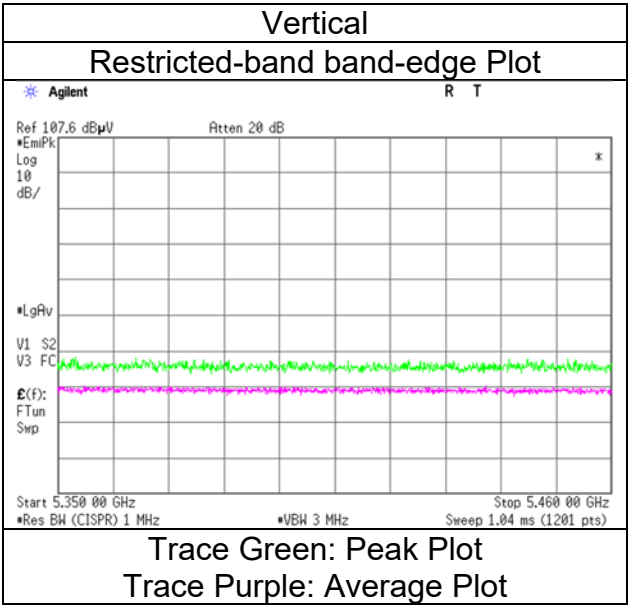
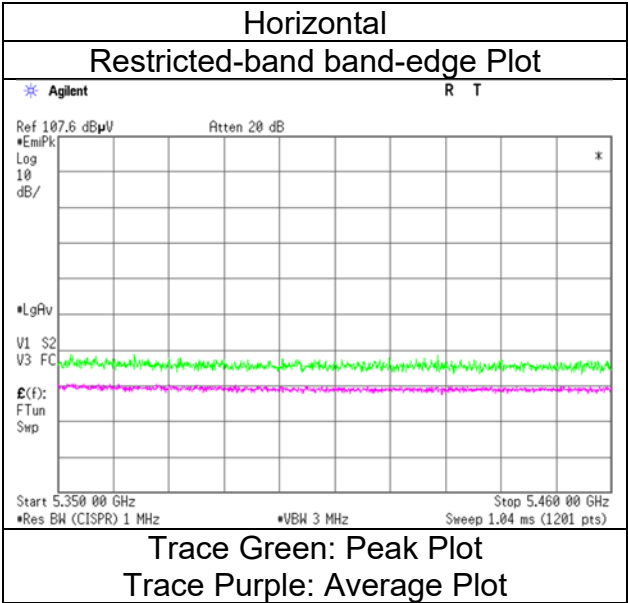
Distance factor:	1 GHz - 6 GHz	20log (3.95 m / 3.0 m) = 2.39 dB
	6 GHz - 10 GHz	20log (4.95 m / 3.0 m) = 4.35 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer

Mode

Ise EMC Lab.
No.4
February 5, 2024
21 deg. C / 43 % RH
Tetsuro Yoshida
(1 GHz to 6 GHz)
Tx 11be-80 [OFDM] 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	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] 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	43.8	34.8	32.0	6.2	30.9	0.1	51.0	42.1	68.2	53.9	17.2	11.8	*1)
Hori.	5470.0	44.2	-	32.0	6.2	30.9	-	51.4	-	68.2	-	16.8	-	-
Hori.	11060.0	43.8	35.6	37.4	-0.3	32.8	-	48.1	40.0	73.9	53.9	25.8	14.0	Floor noise
Hori.	16590.0	43.1	-	39.8	1.4	32.3	-	52.0	-	68.2	-	16.2	-	Floor noise
Vert.	5460.0	42.6	34.4	32.0	6.2	30.9	0.1	49.8	41.7	68.2	53.9	18.4	12.2	*1)
Vert.	5470.0	43.2	-	32.0	6.2	30.9	-	50.4	-	68.2	-	17.8	-	-
Vert.	11060.0	44.8	35.5	37.4	-0.3	32.8	-	49.2	39.9	73.9	53.9	24.7	14.0	Floor noise
Vert.	16590.0	44.6	-	39.8	1.4	32.3	-	53.5	-	68.2	-	14.7	-	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 1 GHz.

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

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