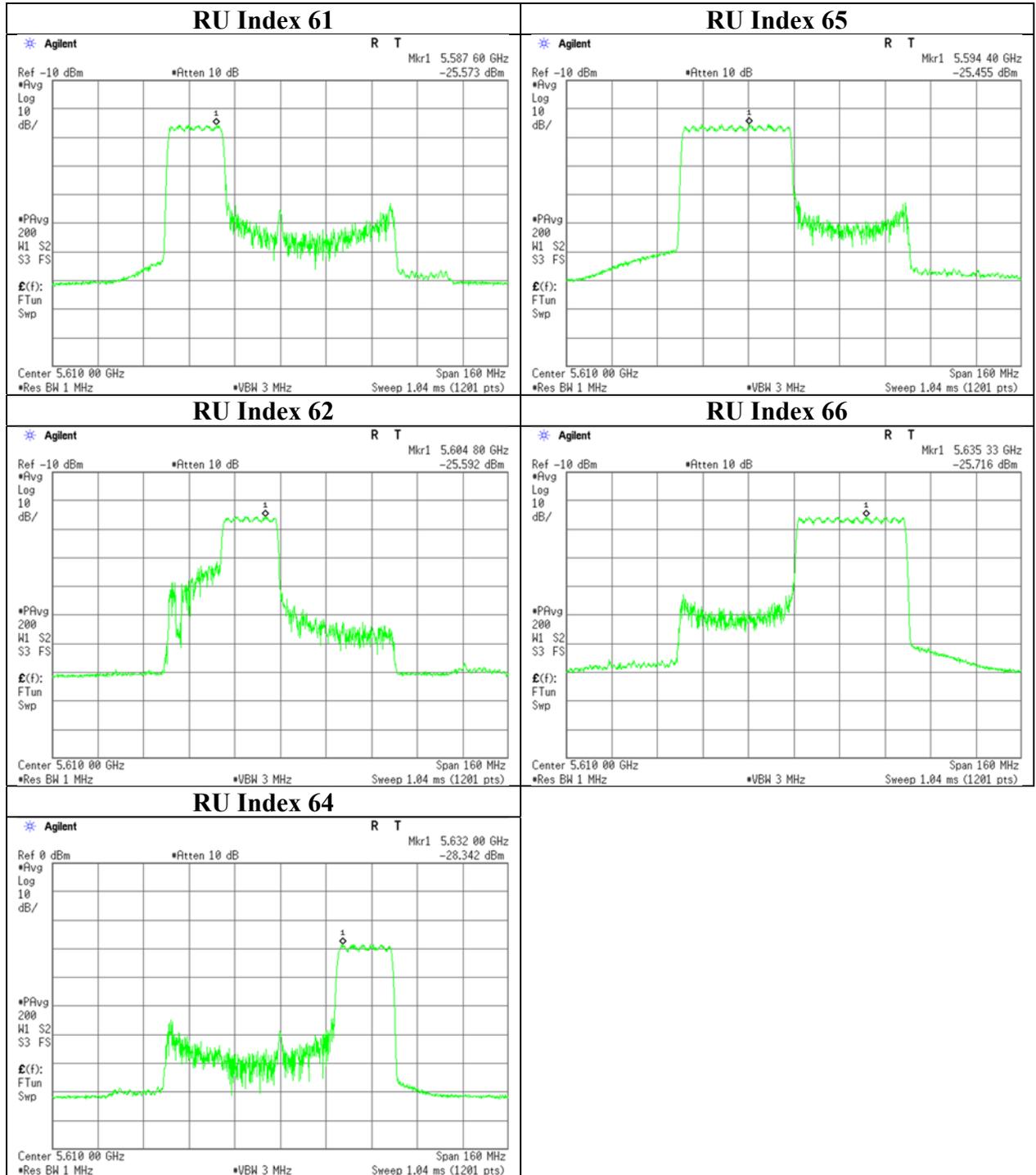


Maximum Power Spectral Density

11ax-80, Antenna 3

242-tone RU 5610 MHz

484-tone RU 5610 MHz



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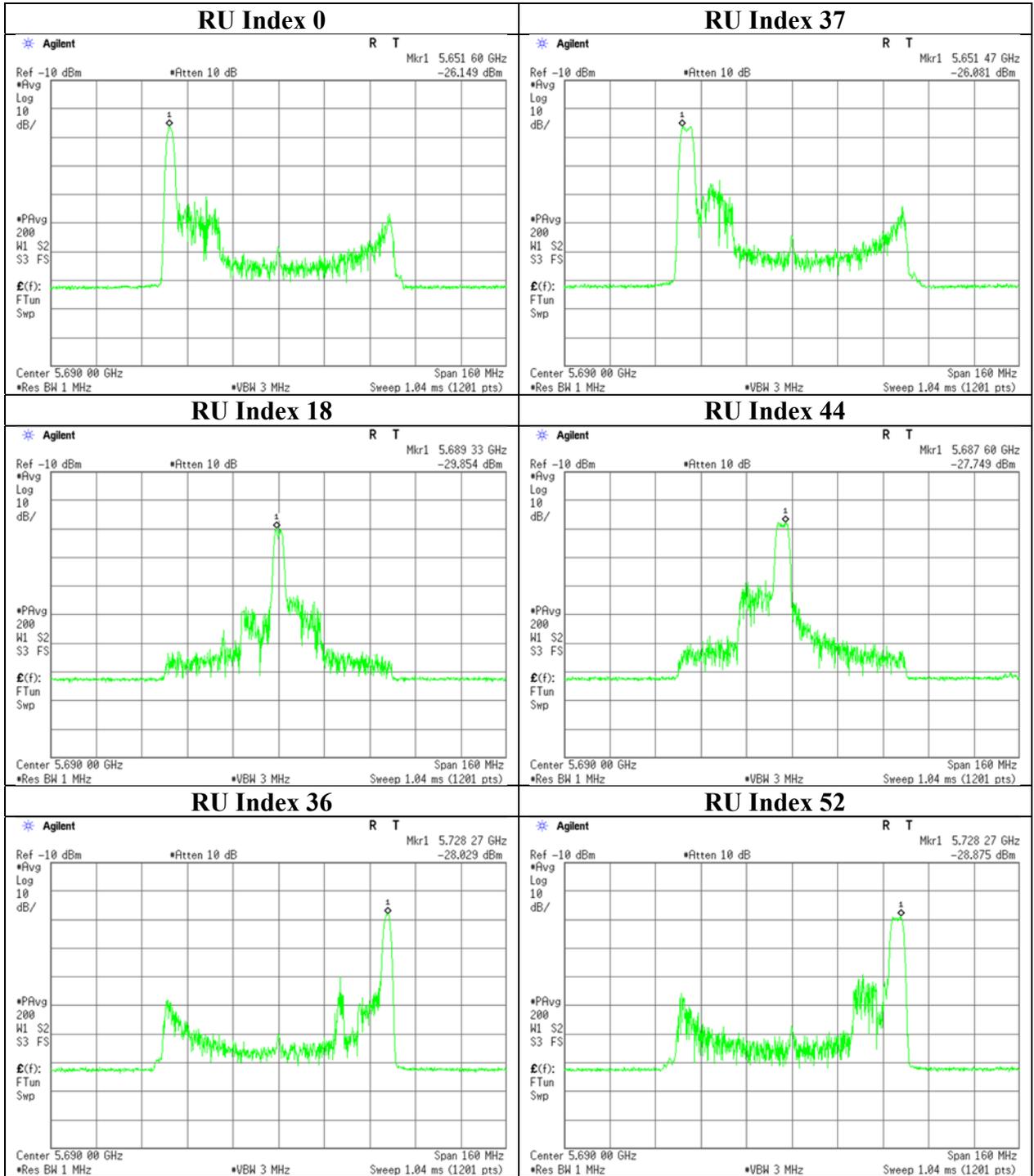
Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11ax-80, Antenna 3

26-tone RU 5690 MHz

52-tone RU 5690 MHz



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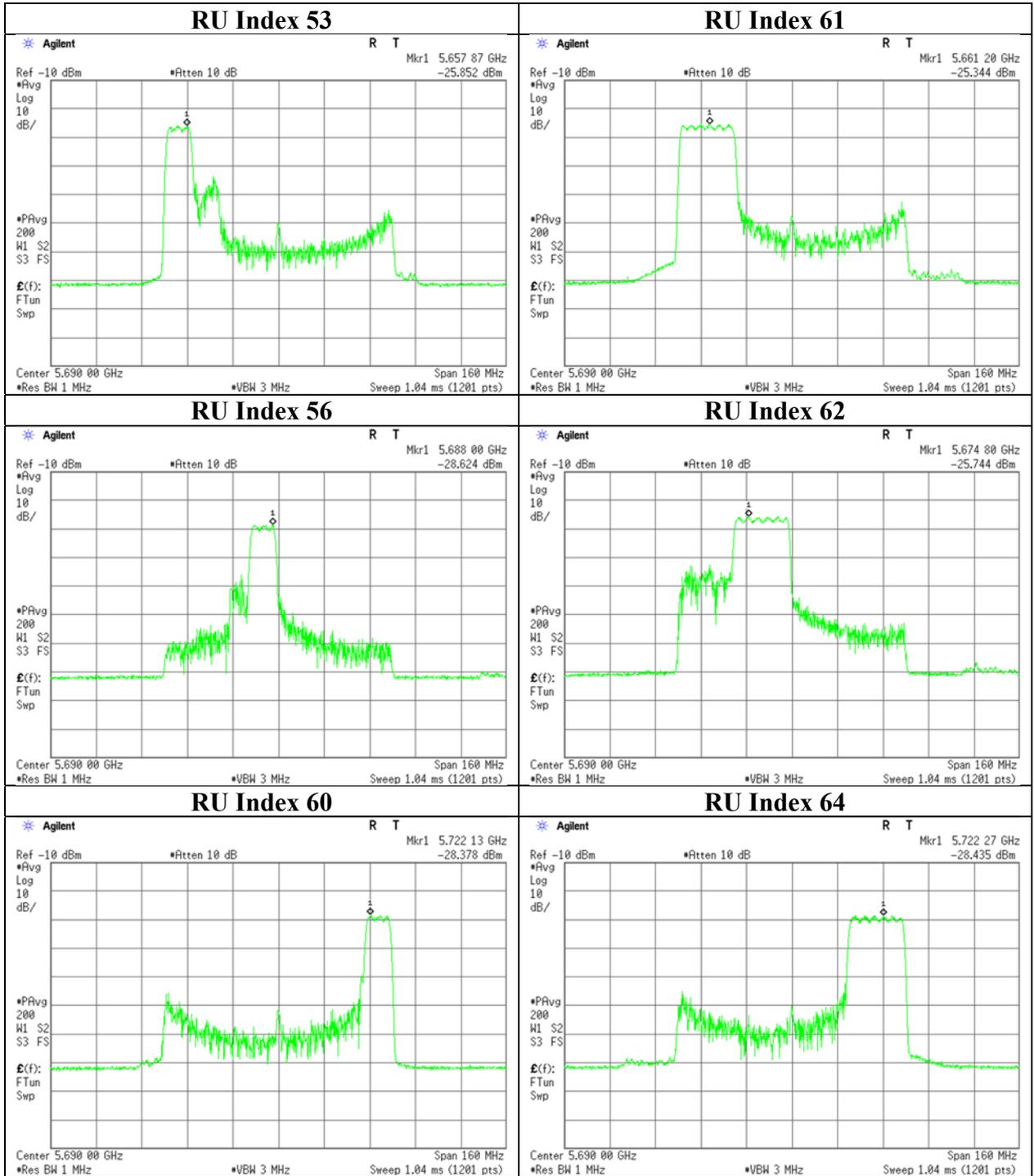
Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11ax-80, Antenna 3

106-tone RU 5690 MHz

242-tone RU 5690 MHz



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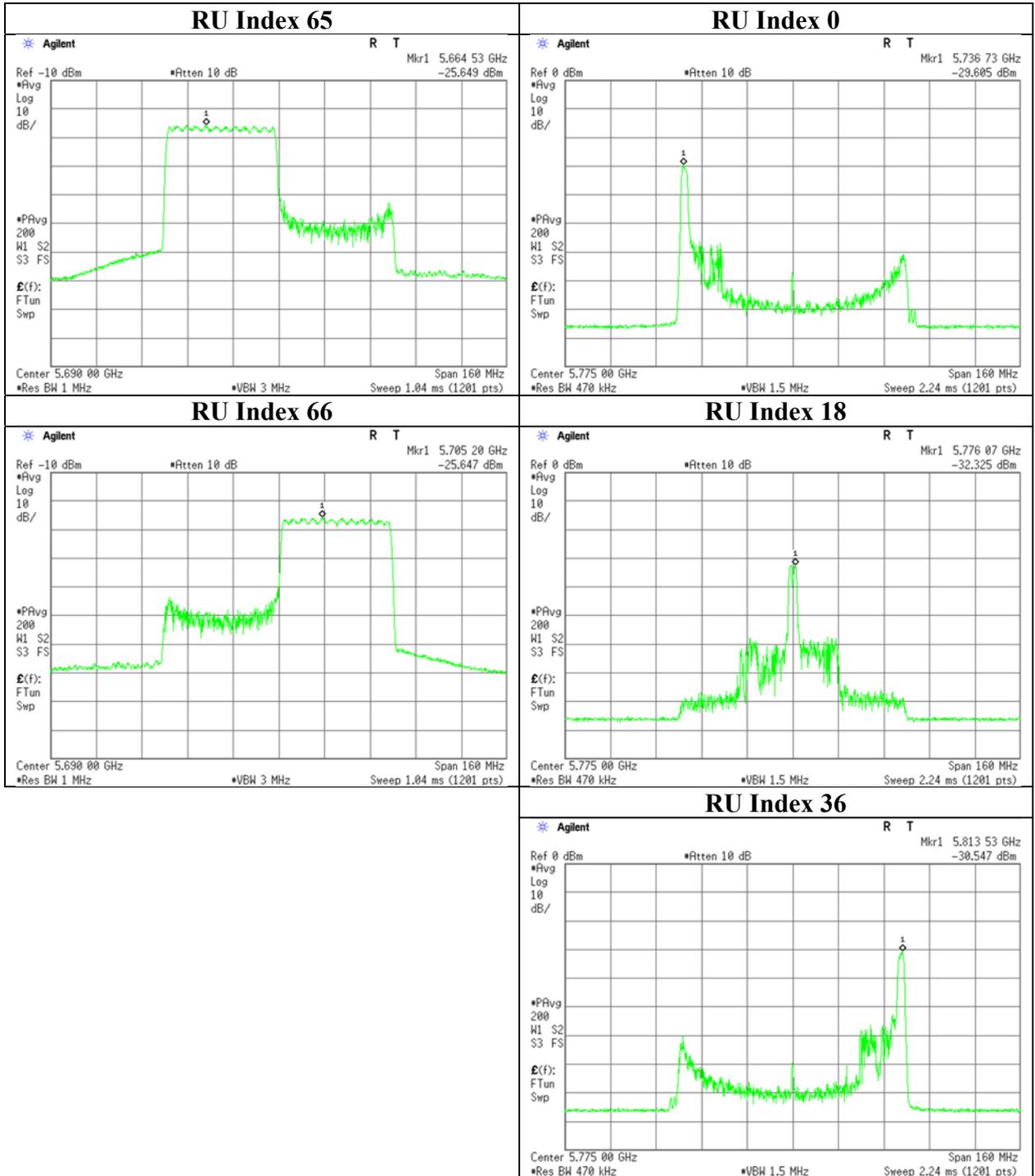
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Maximum Power Spectral Density

11ax-80, Antenna 3

484-tone RU 5690 MHz

26-tone RU 5775 MHz



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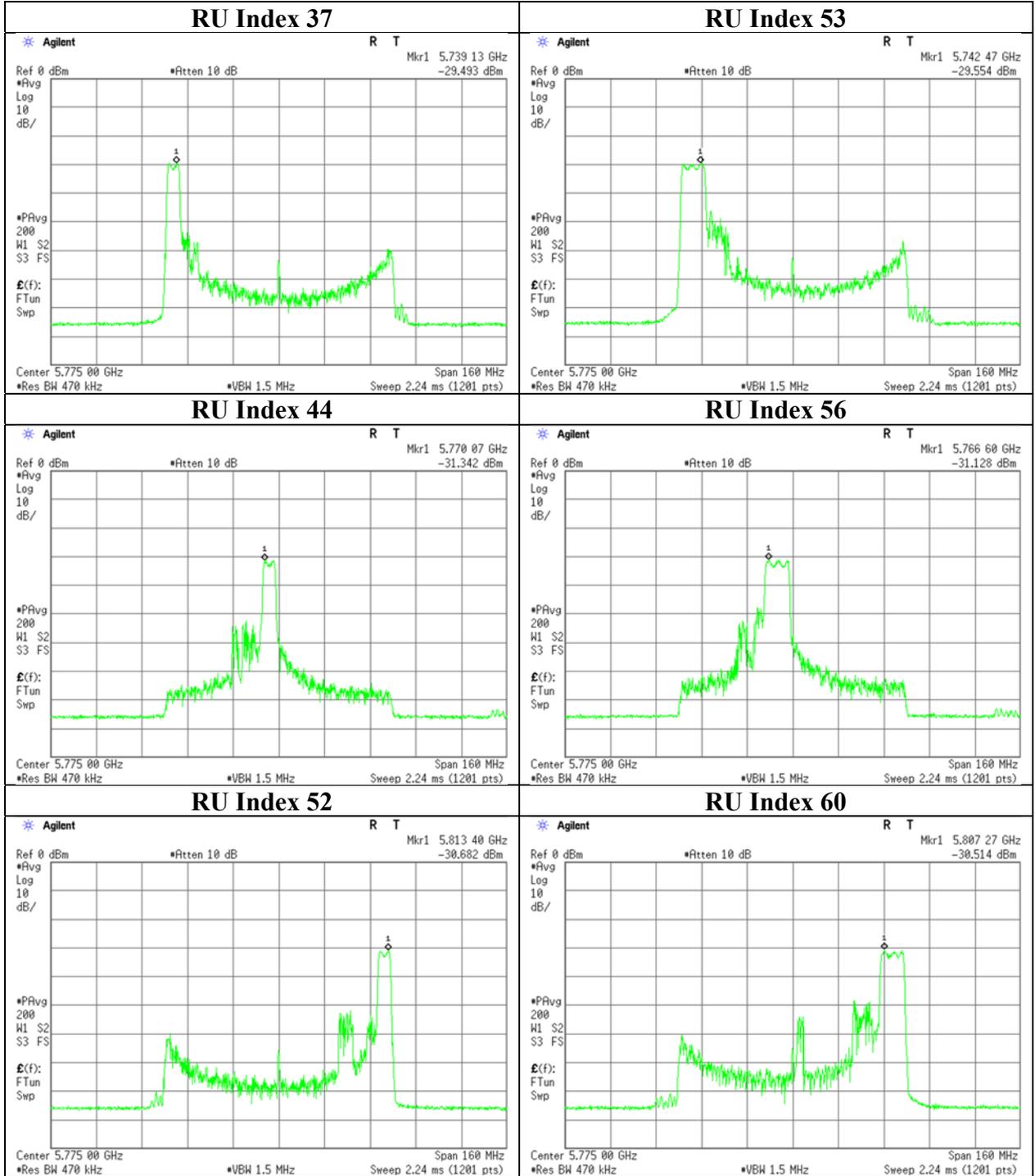
Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11ax-80, Antenna 3

52-tone RU 5775 MHz

106-tone RU 5775 MHz



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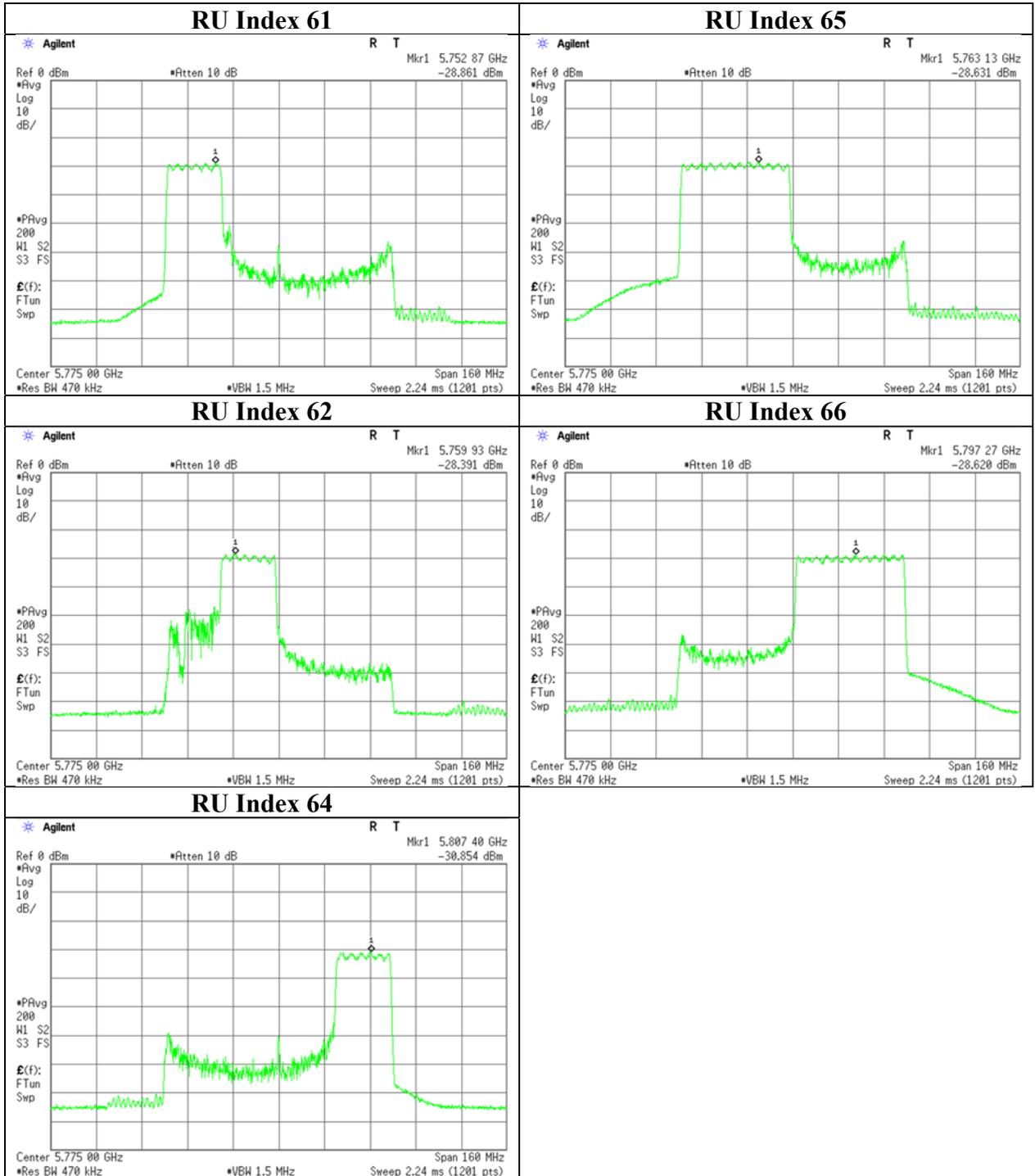
Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11ax-80, Antenna 3

242-tone RU 5775 MHz

484-tone RU 5775 MHz



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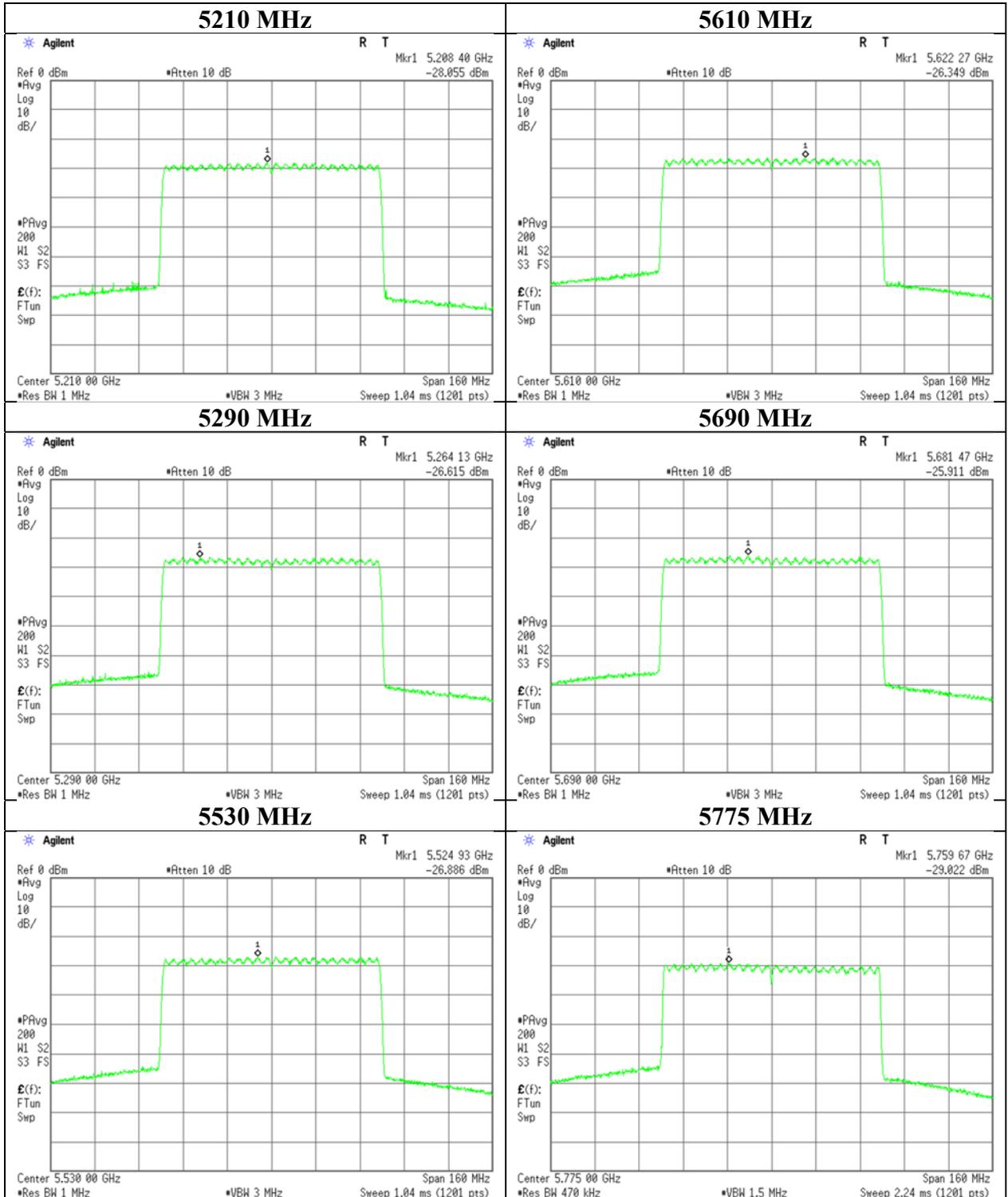
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Maximum Power Spectral Density

11ax-80, Antenna 1 996-tone RU



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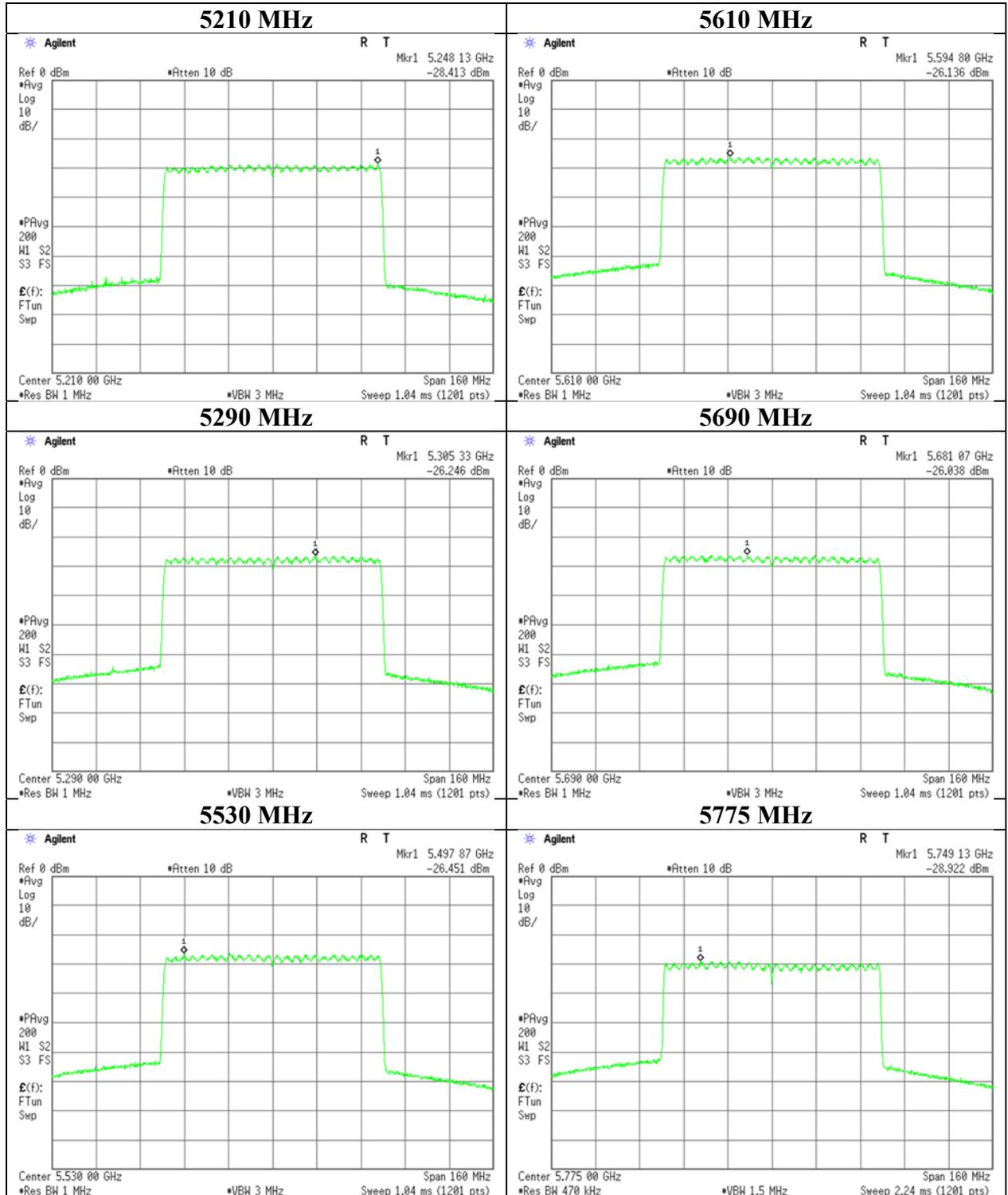
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Maximum Power Spectral Density

**11ax-80, Antenna 3
996-tone RU**



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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5180 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	42.6	31.7	5.9	31.8	-	48.4	73.9	25.5	
Hori.	10360.000	PK	42.3	40.1	-3.1	33.5	-	45.8	68.2	22.4	Floor noise
Hori.	15540.000	PK	44.9	37.7	-1.6	32.7	-	48.2	73.9	25.7	Floor noise
Hori.	5150.000	AV	33.3	31.7	5.9	31.8	0.5	39.6	53.9	14.3	*1)
Hori.	15540.000	AV	36.0	37.7	-1.6	32.7	-	39.3	53.9	14.6	Floor noise
Vert.	5150.000	PK	42.0	31.7	5.9	31.8	-	47.8	73.9	26.1	
Vert.	10360.000	PK	42.1	40.1	-3.1	33.5	-	45.6	68.2	22.6	Floor noise
Vert.	15540.000	PK	44.6	37.7	-1.6	32.7	-	47.9	73.9	26.0	Floor noise
Vert.	5150.000	AV	33.3	31.7	5.9	31.8	0.5	39.6	53.9	14.3	*1)
Vert.	15540.000	AV	36.0	37.7	-1.6	32.7	-	39.3	53.9	14.6	Floor noise

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

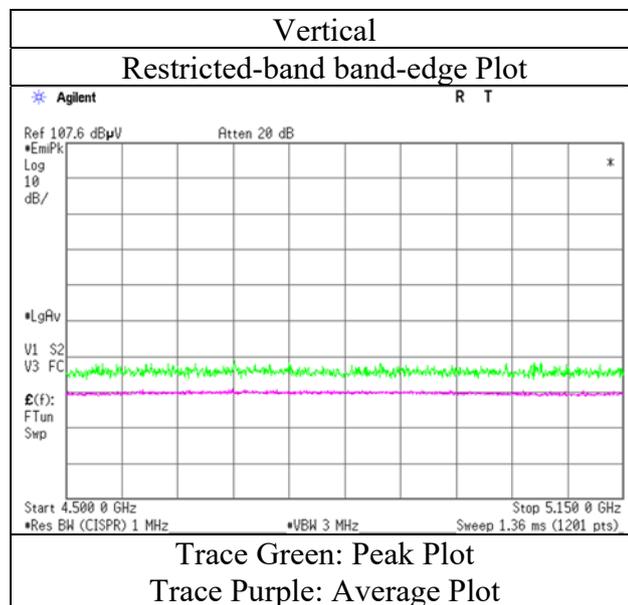
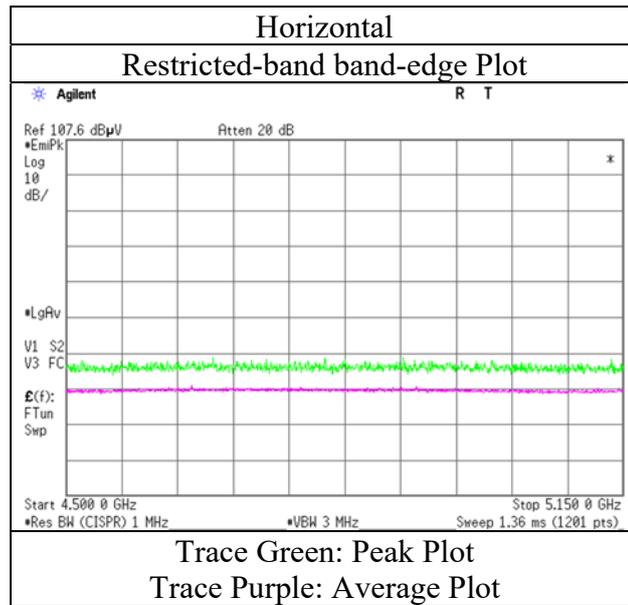
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (OFDM)



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5260 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	10520.000	PK	41.5	40.0	-3.0	33.6	-	45.0	68.2	23.2	Floor noise
Hori.	15780.000	PK	44.5	37.3	-1.6	32.8	-	47.3	73.9	26.6	Floor noise
Hori.	15780.000	AV	35.8	37.3	-1.6	32.8	-	38.6	53.9	15.3	Floor noise
Vert.	10520.000	PK	41.9	40.0	-3.0	33.6	-	45.4	68.2	22.8	Floor noise
Vert.	15780.000	PK	43.8	37.3	-1.6	32.8	-	46.6	73.9	27.3	Floor noise
Vert.	15780.000	AV	35.8	37.3	-1.6	32.8	-	38.6	53.9	15.3	Floor noise

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

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5320 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	42.1	31.5	6.0	31.8	-	47.7	73.9	26.2	
Hori.	10640.000	PK	43.2	39.9	-2.9	33.6	-	46.5	73.9	27.4	Floor noise
Hori.	15960.000	PK	43.4	37.9	-1.7	32.8	-	46.7	73.9	27.2	Floor noise
Hori.	5350.000	AV	34.1	31.5	6.0	31.8	0.5	40.2	53.9	13.7	*1)
Hori.	10640.000	AV	33.7	39.9	-2.9	33.6	-	37.1	53.9	16.8	Floor noise
Hori.	15960.000	AV	35.0	37.9	-1.7	32.8	-	38.3	53.9	15.6	Floor noise
Vert.	5350.000	PK	43.9	31.5	6.0	31.8	-	49.5	73.9	24.4	
Vert.	10640.000	PK	42.9	39.9	-2.9	33.6	-	46.3	73.9	27.6	Floor noise
Vert.	15960.000	PK	43.8	37.9	-1.7	32.8	-	47.1	73.9	26.8	Floor noise
Vert.	5350.000	AV	34.7	31.5	6.0	31.8	0.5	40.8	53.9	13.1	*1)
Vert.	10640.000	AV	33.7	39.9	-2.9	33.6	-	37.1	53.9	16.8	Floor noise
Vert.	15960.000	AV	35.0	37.9	-1.7	32.8	-	38.3	53.9	15.6	Floor noise

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

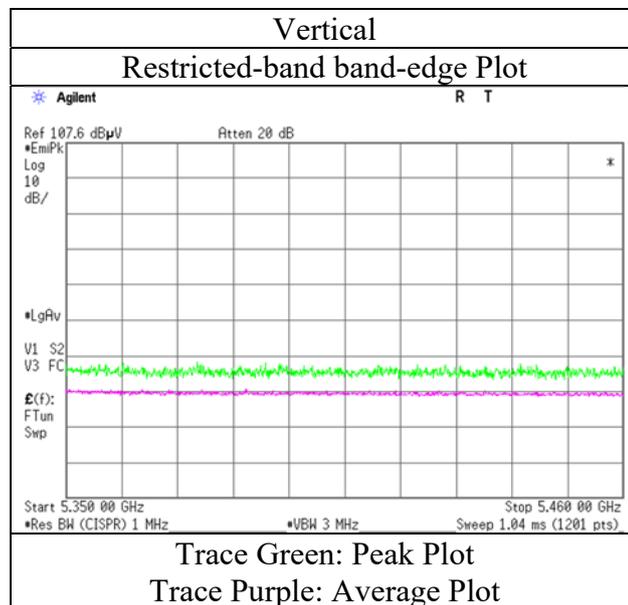
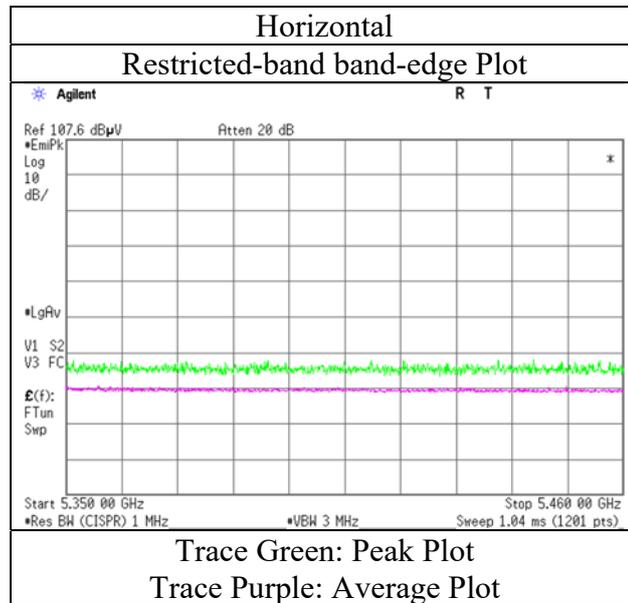
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 5320 MHz (OFDM)



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5500 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	41.4	31.7	6.0	31.9	-	47.2	68.2	21.0	
Hori.	5470.000	PK	43.9	31.7	6.0	31.9	-	49.8	68.2	18.5	
Hori.	11000.000	PK	42.5	40.2	-2.7	33.6	-	46.4	73.9	27.5	Floor noise
Hori.	16500.000	PK	44.2	39.6	-1.6	32.7	-	49.6	68.2	18.6	Floor noise
Hori.	5460.000	AV	32.9	31.7	6.0	31.9	0.5	39.3	53.9	14.6	*1)
Hori.	11000.000	AV	33.9	40.2	-2.7	33.6	-	37.8	53.9	16.1	Floor noise
Vert.	5460.000	PK	42.0	31.7	6.0	31.9	-	47.9	68.2	20.4	
Vert.	5470.000	PK	42.5	31.7	6.0	31.9	-	48.3	68.2	19.9	
Vert.	11000.000	PK	42.5	40.2	-2.7	33.6	-	46.3	73.9	27.6	Floor noise
Vert.	16500.000	PK	44.2	39.6	-1.6	32.7	-	49.5	68.2	18.7	Floor noise
Vert.	5460.000	AV	33.4	31.7	6.0	31.9	0.5	39.7	53.9	14.2	*1)
Vert.	11000.000	AV	33.9	40.2	-2.7	33.6	-	37.8	53.9	16.1	Floor noise

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

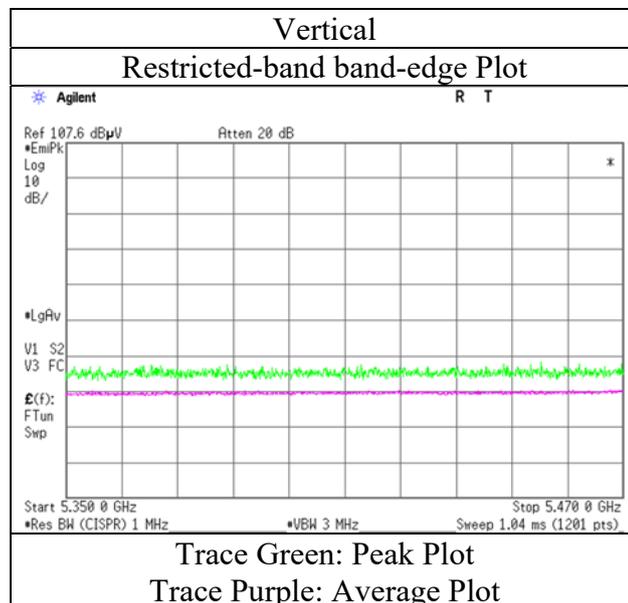
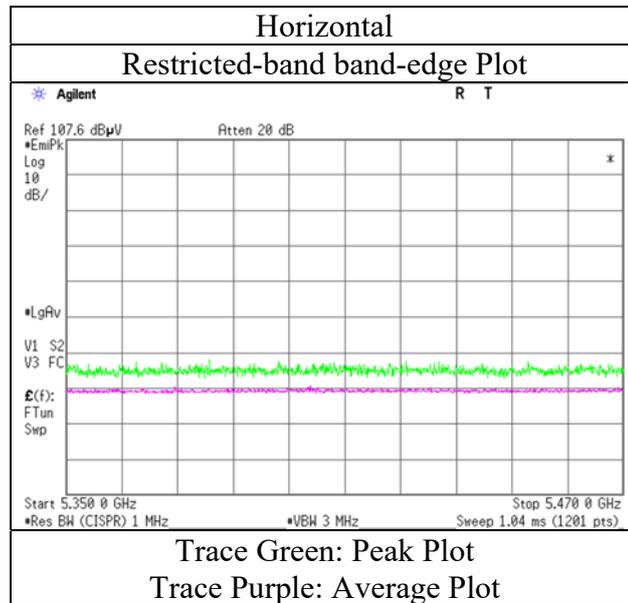
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 5500 MHz (OFDM)



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5580 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	11160.000	PK	42.8	39.8	-2.7	33.6	-	46.3	73.9	27.6	Floor noise
Hori.	16740.000	PK	44.8	41.1	-1.5	32.7	-	51.8	68.2	16.4	Floor noise
Hori.	11160.000	AV	34.2	39.8	-2.7	33.6	-	37.7	53.9	16.2	Floor noise
Vert.	11160.000	PK	42.5	39.8	-2.7	33.6	-	46.0	73.9	27.9	Floor noise
Vert.	16740.000	PK	44.4	41.1	-1.5	32.7	-	51.3	68.2	16.9	Floor noise
Vert.	11160.000	AV	34.2	39.8	-2.7	33.6	-	37.7	53.9	16.2	Floor noise

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

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5700 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	45.1	32.0	6.1	31.9	-	51.3	68.2	16.9	
Hori.	11400.000	PK	41.8	39.9	-2.5	33.6	-	45.6	73.9	28.3	Floor noise
Hori.	17100.000	PK	44.9	42.3	-1.4	32.6	-	53.1	68.2	15.1	Floor noise
Hori.	11400.000	AV	34.1	39.9	-2.5	33.6	-	37.9	53.9	16.0	Floor noise
Vert.	5725.000	PK	46.4	32.0	6.1	31.9	-	52.6	68.2	15.6	
Vert.	11400.000	PK	42.1	39.9	-2.5	33.6	-	45.9	73.9	28.0	Floor noise
Vert.	17100.000	PK	44.5	42.3	-1.4	32.6	-	52.8	68.2	15.4	Floor noise
Vert.	11400.000	AV	34.1	39.9	-2.5	33.6	-	37.9	53.9	16.0	Floor noise

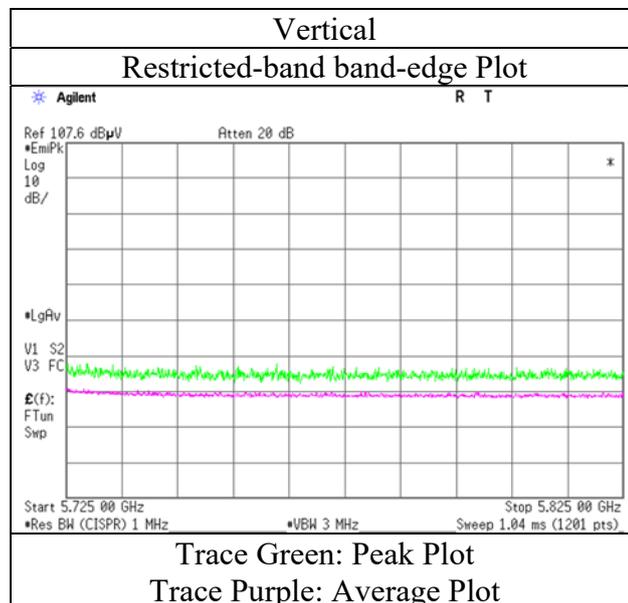
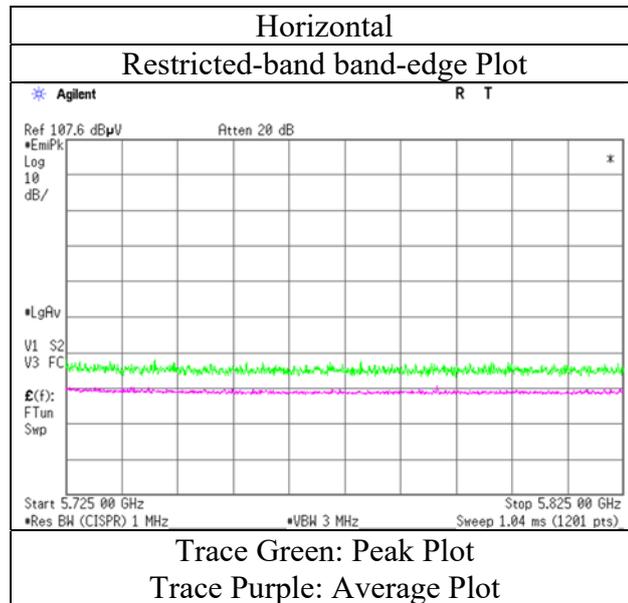
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 5700 MHz (OFDM)



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5745 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5650.000	PK	40.4	31.8	6.1	31.9	-	46.3	68.2	21.9	
Hori.	5700.000	PK	40.9	31.9	6.1	31.9	-	47.0	105.2	58.3	
Hori.	5720.000	PK	45.6	32.0	6.1	31.9	-	51.7	110.8	59.1	
Hori.	5725.000	PK	51.0	32.0	6.1	31.9	-	57.2	122.2	65.0	
Hori.	11490.000	PK	42.8	39.7	-2.5	33.5	-	46.5	73.9	27.4	Floor noise
Hori.	17235.000	PK	43.9	42.7	-1.4	32.6	-	52.6	68.2	15.6	Floor noise
Hori.	11490.000	AV	33.8	39.7	-2.5	33.5	-	37.4	53.9	16.5	Floor noise
Vert.	5650.000	PK	41.9	31.8	6.1	31.9	-	47.9	68.2	20.3	
Vert.	5700.000	PK	41.9	31.9	6.1	31.9	-	48.0	105.2	57.2	
Vert.	5720.000	PK	47.6	32.0	6.1	31.9	-	53.8	110.8	57.0	
Vert.	5725.000	PK	54.4	32.0	6.1	31.9	-	60.6	122.2	61.6	
Vert.	11490.000	PK	43.1	39.7	-2.5	33.5	-	46.8	73.9	27.1	Floor noise
Vert.	17235.000	PK	43.9	42.7	-1.4	32.6	-	52.6	68.2	15.6	Floor noise
Vert.	11490.000	AV	33.8	39.7	-2.5	33.5	-	37.4	53.9	16.5	Floor noise

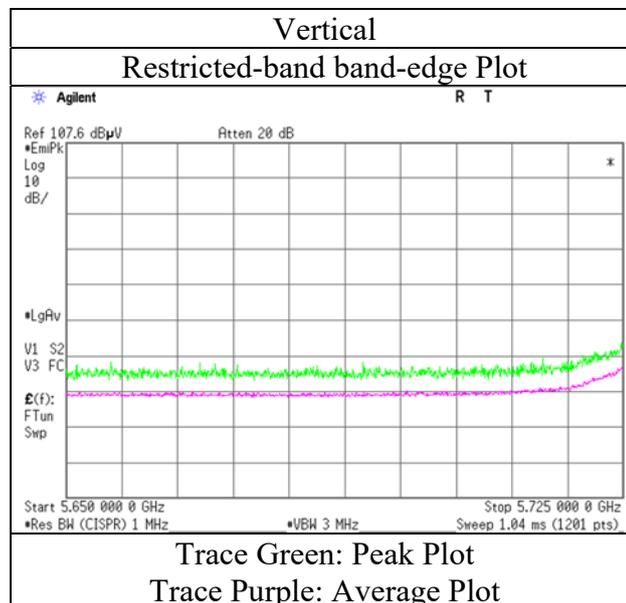
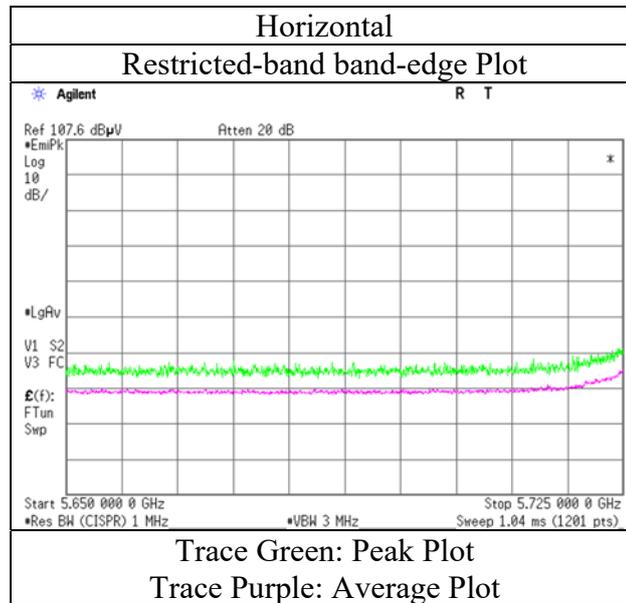
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 5745 MHz (OFDM)



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5785 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	11570.000	PK	41.9	39.5	-2.4	33.5	-	45.5	73.9	28.4	Floor noise
Hori.	17355.000	PK	43.7	44.0	-1.3	32.6	-	53.7	68.2	14.5	Floor noise
Hori.	11570.000	AV	34.0	39.5	-2.4	33.5	-	37.6	53.9	16.3	Floor noise
Vert.	11570.000	PK	42.3	39.5	-2.4	33.5	-	45.9	73.9	28.0	Floor noise
Vert.	17355.000	PK	43.5	44.0	-1.3	32.6	-	53.5	68.2	14.7	Floor noise
Vert.	11570.000	AV	34.0	39.5	-2.4	33.5	-	37.6	53.9	16.3	Floor noise

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

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-20 5825 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5850.000	PK	46.2	32.2	6.1	31.9	-	52.6	122.2	69.6	
Hori.	5855.000	PK	42.4	32.2	6.1	31.9	-	48.9	110.8	62.0	
Hori.	5875.000	PK	41.1	32.3	6.2	31.9	-	47.6	105.2	57.6	
Hori.	5925.000	PK	40.9	32.3	6.2	31.9	-	47.5	68.2	20.8	
Hori.	11650.000	PK	42.4	39.2	-2.4	33.5	-	45.7	73.9	28.2	Floor noise
Hori.	17475.000	PK	43.4	44.7	-1.3	32.6	-	54.2	68.2	14.0	Floor noise
Hori.	11650.000	AV	34.2	39.2	-2.4	33.5	-	37.5	53.9	16.4	Floor noise
Vert.	5850.000	PK	47.4	32.2	6.1	31.9	-	53.9	122.2	68.3	
Vert.	5855.000	PK	43.6	32.2	6.1	31.9	-	50.1	110.8	60.7	
Vert.	5875.000	PK	40.9	32.3	6.2	31.9	-	47.4	105.2	57.8	
Vert.	5925.000	PK	40.7	32.3	6.2	31.9	-	47.2	68.2	21.0	
Vert.	11650.000	PK	43.0	39.2	-2.4	33.5	-	46.3	73.9	27.6	Floor noise
Vert.	17475.000	PK	43.2	44.7	-1.3	32.6	-	54.0	68.2	14.2	Floor noise
Vert.	11650.000	AV	34.2	39.2	-2.4	33.5	-	37.5	53.9	16.4	Floor noise

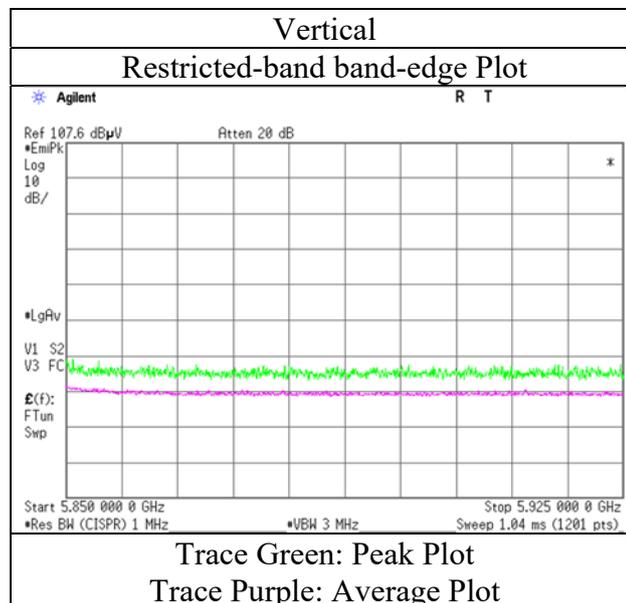
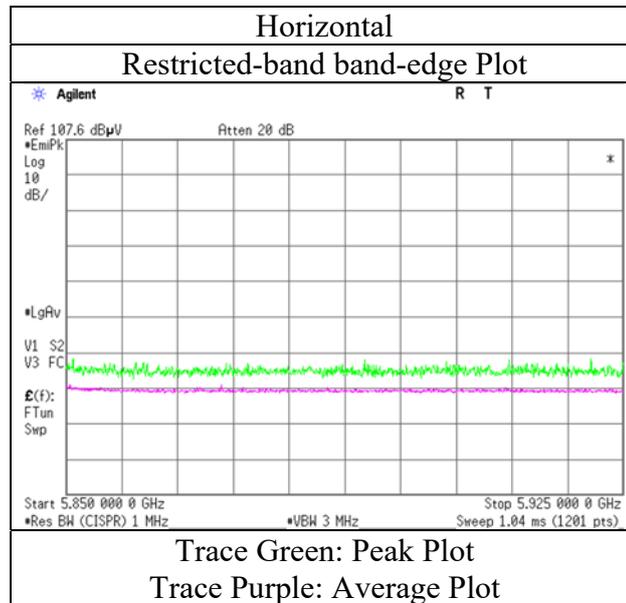
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No.	13170804H
Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	December 20, 2019
Temperature / Humidity	23 deg. C / 40 % RH
Engineer	Yuta Moriya
Mode	Tx 11ax-20 5825 MHz (OFDM)



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5190 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	43.1	31.7	5.9	31.8	-	48.9	73.9	25.1	
Hori.	10380.000	PK	42.5	40.1	-3.1	33.5	-	46.0	68.2	22.2	Floor noise
Hori.	15570.000	PK	44.9	37.5	-1.6	32.8	-	48.0	73.9	25.9	Floor noise
Hori.	5150.000	AV	34.2	31.7	5.9	31.8	0.8	40.7	53.9	13.2	*1)
Hori.	15570.000	AV	35.9	37.5	-1.6	32.8	-	39.0	53.9	14.9	Floor noise
Vert.	5150.000	PK	43.4	31.7	5.9	31.8	-	49.2	73.9	24.7	
Vert.	10380.000	PK	42.5	40.1	-3.1	33.5	-	45.9	68.2	22.3	Floor noise
Vert.	15570.000	PK	44.1	37.5	-1.6	32.8	-	47.2	73.9	26.8	Floor noise
Vert.	5150.000	AV	34.3	31.7	5.9	31.8	0.8	40.9	53.9	13.0	*1)
Vert.	15570.000	AV	35.9	37.5	-1.6	32.8	-	39.0	53.9	14.9	Floor noise

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

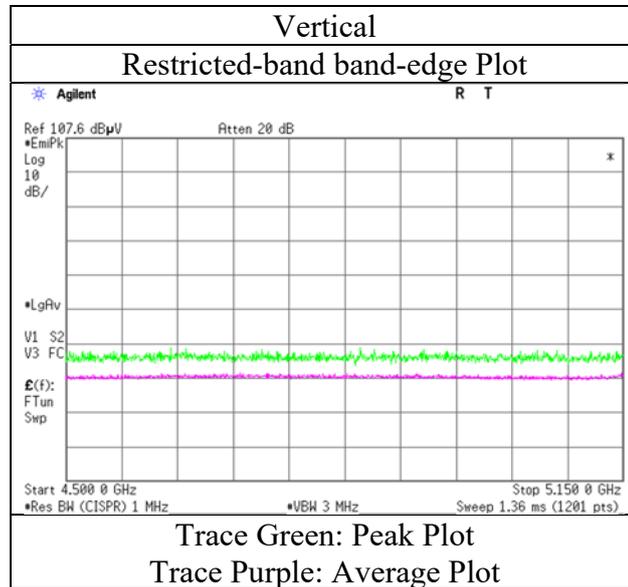
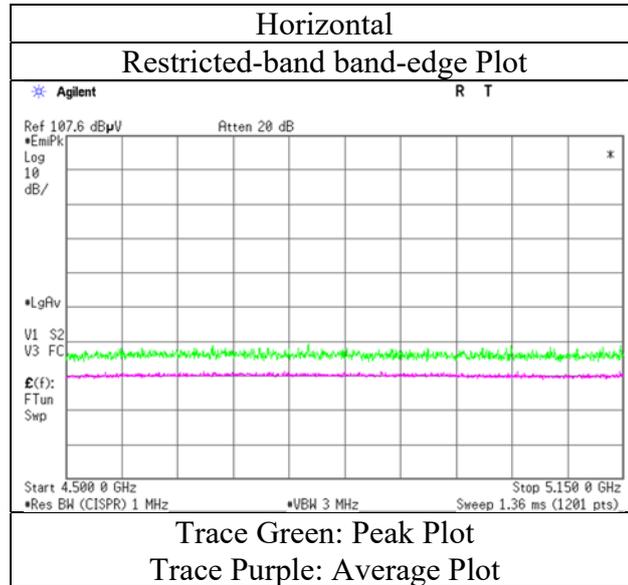
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date December 20, 2019
 Temperature / Humidity 23 deg. C / 40 % RH
 Engineer Yuta Moriya
 Mode Tx 11ax-40 5190 MHz (OFDM)



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5270 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	10540.000	PK	42.2	40.0	-3.0	33.6	-	45.7	68.2	22.5	Floor noise
Hori.	15810.000	PK	43.7	37.1	-1.7	32.8	-	46.3	73.9	27.6	Floor noise
Hori.	15810.000	AV	35.2	37.1	-1.7	32.8	-	37.8	53.9	16.1	Floor noise
Vert.	10540.000	PK	43.0	40.0	-3.0	33.6	-	46.5	68.2	21.8	Floor noise
Vert.	15810.000	PK	43.7	37.1	-1.7	32.8	-	46.4	73.9	27.5	Floor noise
Vert.	15810.000	AV	35.2	37.1	-1.7	32.8	-	37.8	53.9	16.1	Floor noise

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

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5310 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	48.4	31.5	6.0	31.8	-	54.0	73.9	19.9	
Hori.	10620.000	PK	41.8	39.8	-2.9	33.6	-	45.1	73.9	28.8	Floor noise
Hori.	15930.000	PK	43.4	37.6	-1.7	32.8	-	46.6	73.9	27.4	Floor noise
Hori.	5350.000	AV	37.9	31.5	6.0	31.8	0.8	44.2	53.9	9.7	*1)
Hori.	10620.000	AV	33.7	39.8	-2.9	33.6	-	37.0	53.9	17.0	Floor noise
Hori.	15930.000	AV	35.0	37.6	-1.7	32.8	-	38.2	53.9	15.8	Floor noise
Vert.	5350.000	PK	50.0	31.5	6.0	31.8	-	55.6	73.9	18.3	
Vert.	10620.000	PK	42.2	39.8	-2.9	33.6	-	45.4	73.9	28.5	Floor noise
Vert.	15930.000	PK	43.4	37.6	-1.7	32.8	-	46.6	73.9	27.4	Floor noise
Vert.	5350.000	AV	39.4	31.5	6.0	31.8	0.8	45.7	53.9	8.2	*1)
Vert.	10620.000	AV	33.7	39.8	-2.9	33.6	-	37.0	53.9	17.0	Floor noise
Vert.	15930.000	AV	35.0	37.6	-1.7	32.8	-	38.2	53.9	15.8	Floor noise

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

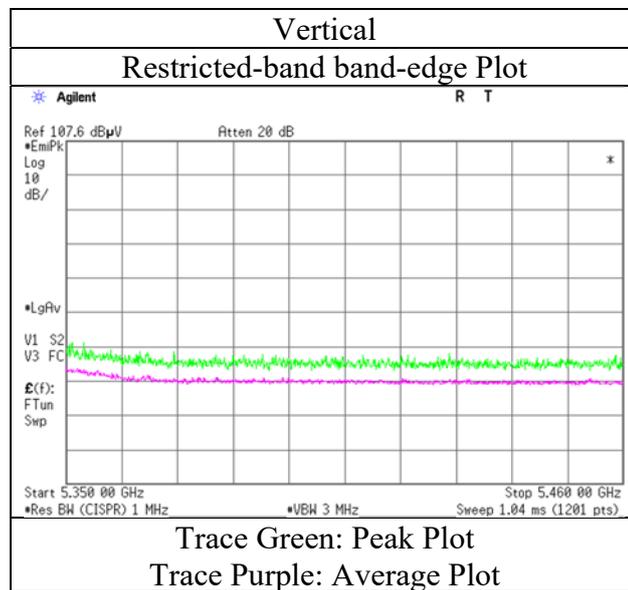
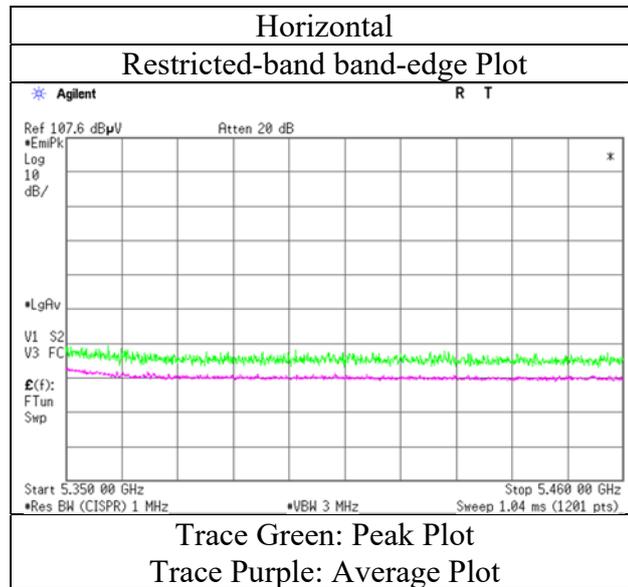
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 20, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 5310 MHz (OFDM)



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5510 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	42.2	31.7	6.0	31.9	-	48.0	68.2	20.2	
Hori.	5470.000	PK	45.9	31.7	6.0	31.9	-	51.8	68.2	16.5	
Hori.	11020.000	PK	42.1	40.1	-2.7	33.6	-	45.9	73.9	28.0	Floor noise
Hori.	16530.000	PK	44.2	39.8	-1.6	32.7	-	49.7	68.2	18.5	Floor noise
Hori.	5460.000	AV	33.4	31.7	6.0	31.9	0.8	40.0	53.9	13.9	*1)
Hori.	11020.000	AV	33.8	40.1	-2.7	33.6	-	37.5	53.9	16.4	Floor noise
Vert.	5460.000	PK	43.1	31.7	6.0	31.9	-	48.9	68.2	19.3	
Vert.	5470.000	PK	46.5	31.7	6.0	31.9	-	52.3	68.2	15.9	
Vert.	11020.000	PK	42.5	40.1	-2.7	33.6	-	46.2	73.9	27.7	Floor noise
Vert.	16530.000	PK	44.1	39.8	-1.6	32.7	-	49.6	68.2	18.6	Floor noise
Vert.	5460.000	AV	34.8	31.7	6.0	31.9	0.8	41.4	53.9	12.5	*1)
Vert.	11020.000	AV	33.8	40.1	-2.7	33.6	-	37.5	53.9	16.4	Floor noise

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

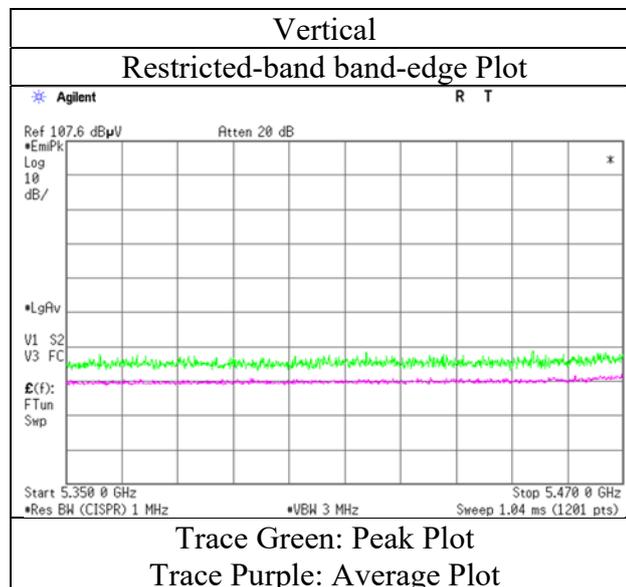
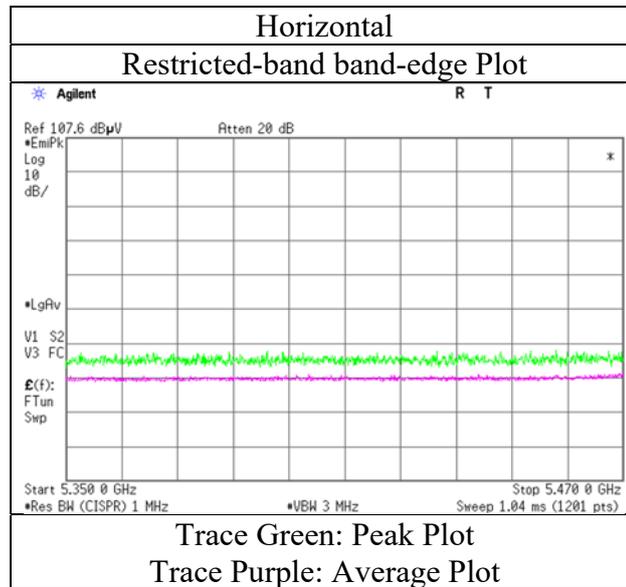
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date December 21, 2019
 Temperature / Humidity 23 deg. C / 40 % RH
 Engineer Yuta Moriya
 Mode Tx 11ax-40 5510 MHz (OFDM)



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5550 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	11100.000	PK	42.9	39.7	-2.7	33.6	-	46.3	73.9	27.6	Floor noise
Hori.	16650.000	PK	44.6	40.4	-1.5	32.7	-	50.8	68.2	17.4	Floor noise
Hori.	11100.000	AV	34.1	39.7	-2.7	33.6	-	37.5	53.9	16.4	Floor noise
Vert.	11100.000	PK	42.4	39.7	-2.7	33.6	-	45.8	73.9	28.1	Floor noise
Vert.	16650.000	PK	44.3	40.4	-1.5	32.7	-	50.5	68.2	17.7	Floor noise
Vert.	11100.000	AV	34.1	39.7	-2.7	33.6	-	37.5	53.9	16.4	Floor noise

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

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5670 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	43.2	32.0	6.1	31.9	-	49.4	68.2	18.8	
Hori.	11340.000	PK	42.5	39.9	-2.6	33.6	-	46.2	73.9	27.7	Floor noise
Hori.	17010.000	PK	44.1	42.0	-1.5	32.6	-	52.0	68.2	16.2	Floor noise
Hori.	11340.000	AV	33.6	39.9	-2.6	33.6	-	37.3	53.9	16.6	Floor noise
Vert.	5725.000	PK	44.5	32.0	6.1	31.9	-	50.6	68.2	17.6	
Vert.	11340.000	PK	42.5	39.9	-2.6	33.6	-	46.2	73.9	27.7	Floor noise
Vert.	17010.000	PK	43.6	42.0	-1.5	32.6	-	51.5	68.2	16.7	Floor noise
Vert.	11340.000	AV	33.6	39.9	-2.6	33.6	-	37.3	53.9	16.6	Floor noise

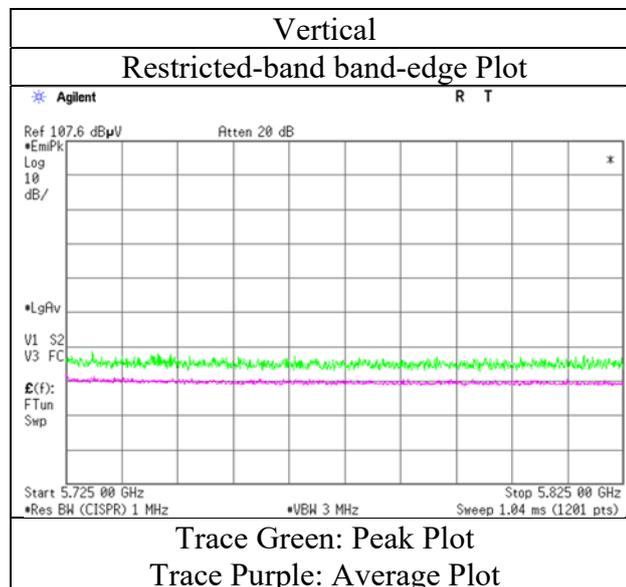
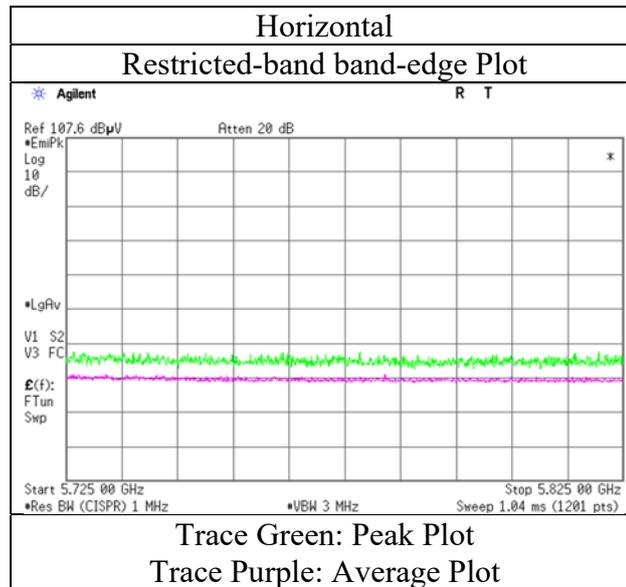
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date December 21, 2019
 Temperature / Humidity 23 deg. C / 40 % RH
 Engineer Yuta Moriya
 Mode Tx 11ax-40 5670 MHz (OFDM)



* 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.

UL Japan, Inc.

Ise EMC Lab.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020 January 10, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz) (Below 1GHz)
Mode Tx 11ax-40 5755 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	49.274	QP	23.0	11.5	7.4	32.2	-	9.6	40.0	30.4	
Hori.	62.364	QP	23.1	7.3	7.6	32.2	-	5.8	40.0	34.2	
Hori.	95.790	QP	22.7	9.5	8.0	32.2	-	8.1	43.5	35.4	
Hori.	285.500	QP	22.3	13.4	9.8	31.9	-	13.6	46.0	32.4	
Hori.	550.400	QP	22.1	17.9	11.6	32.0	-	19.6	46.0	26.4	
Hori.	890.600	QP	22.0	22.1	13.5	31.0	-	26.6	46.0	19.4	
Hori.	5650.000	PK	40.5	31.8	6.1	31.9	-	46.4	68.2	21.8	
Hori.	5700.000	PK	44.4	31.9	6.1	31.9	-	50.5	105.2	54.7	
Hori.	5720.000	PK	52.3	32.0	6.1	31.9	-	58.5	110.8	52.4	
Hori.	5725.000	PK	50.6	32.0	6.1	31.9	-	56.8	122.2	65.4	
Hori.	11510.000	PK	42.2	39.7	-2.5	33.5	-	45.8	73.9	28.1	Floor noise
Hori.	17265.000	PK	44.1	42.9	-1.4	32.6	-	53.1	68.2	15.1	Floor noise
Hori.	11510.000	AV	33.7	39.7	-2.5	33.5	-	37.4	53.9	16.5	Floor noise
Vert.	49.231	QP	26.6	11.5	7.4	32.2	-	13.3	40.0	26.8	
Vert.	61.859	QP	33.4	7.4	7.6	32.2	-	16.2	40.0	23.8	
Vert.	94.134	QP	26.5	9.2	8.0	32.2	-	11.6	43.5	31.9	
Vert.	285.700	QP	22.3	13.4	9.9	31.9	-	13.6	46.0	32.4	
Vert.	549.900	QP	22.1	17.9	11.6	32.0	-	19.6	46.0	26.4	
Vert.	890.400	QP	21.6	22.1	13.5	31.0	-	26.2	46.0	19.8	
Vert.	5650.000	PK	40.3	31.8	6.1	31.9	-	46.3	68.2	21.9	
Vert.	5700.000	PK	45.1	31.9	6.1	31.9	-	51.2	105.2	54.0	
Vert.	5720.000	PK	53.4	32.0	6.1	31.9	-	59.5	110.8	51.3	
Vert.	5725.000	PK	53.7	32.0	6.1	31.9	-	59.9	122.2	62.3	
Vert.	11510.000	PK	42.5	39.7	-2.5	33.5	-	46.2	73.9	27.7	Floor noise
Vert.	17265.000	PK	44.1	42.9	-1.4	32.6	-	53.0	68.2	15.2	Floor noise
Vert.	11510.000	AV	33.7	39.7	-2.5	33.5	-	37.4	53.9	16.5	Floor noise

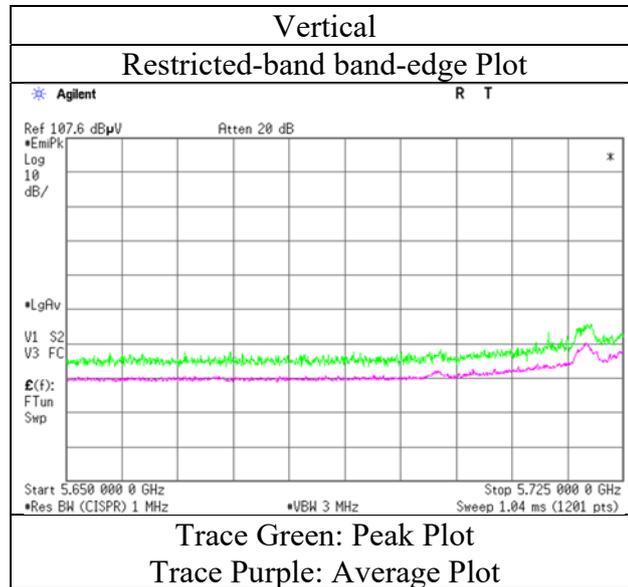
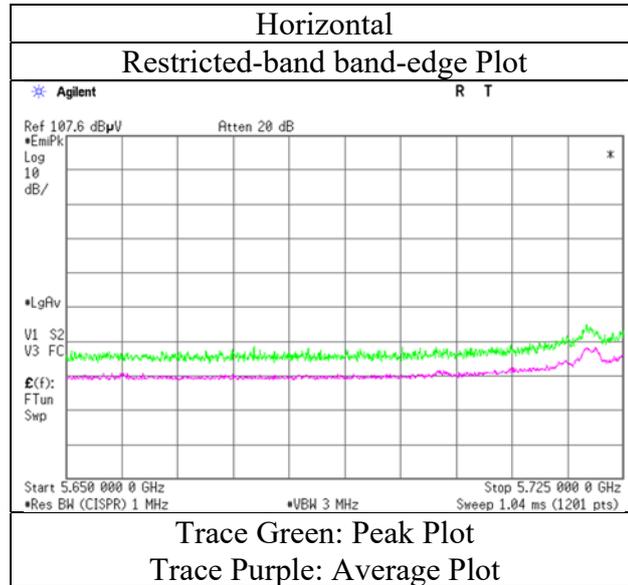
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 5755 MHz (OFDM)



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-40 5795 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5850.000	PK	44.1	32.2	6.1	31.9	-	50.5	122.2	71.7	
Hori.	5855.000	PK	41.1	32.2	6.1	31.9	-	47.6	110.8	63.2	
Hori.	5875.000	PK	40.4	32.3	6.2	31.9	-	46.9	105.2	58.3	
Hori.	5925.000	PK	40.3	32.3	6.2	31.9	-	46.8	68.2	21.4	
Hori.	11590.000	PK	42.0	39.3	-2.4	33.5	-	45.3	73.9	28.6	Floor noise
Hori.	17385.000	PK	43.6	44.4	-1.3	32.6	-	54.0	68.2	14.2	Floor noise
Hori.	11590.000	AV	33.7	39.3	-2.4	33.5	-	37.0	53.9	16.9	Floor noise
Vert.	5850.000	PK	46.6	32.2	6.1	31.9	-	53.0	122.2	69.2	
Vert.	5855.000	PK	42.1	32.2	6.1	31.9	-	48.5	110.8	62.3	
Vert.	5875.000	PK	41.7	32.3	6.2	31.9	-	48.1	105.2	57.1	
Vert.	5925.000	PK	41.3	32.3	6.2	31.9	-	47.8	68.2	20.4	
Vert.	11590.000	PK	42.3	39.3	-2.4	33.5	-	45.6	73.9	28.4	Floor noise
Vert.	17385.000	PK	43.4	44.4	-1.3	32.6	-	53.9	68.2	14.4	Floor noise
Vert.	11590.000	AV	33.7	39.3	-2.4	33.5	-	37.0	53.9	16.9	Floor noise

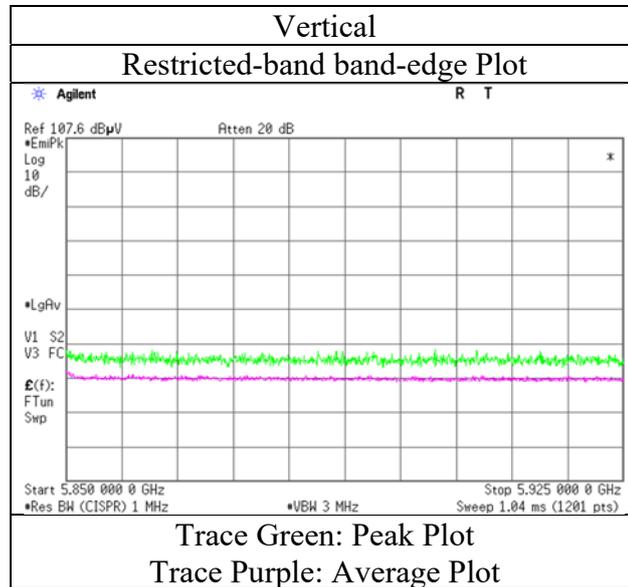
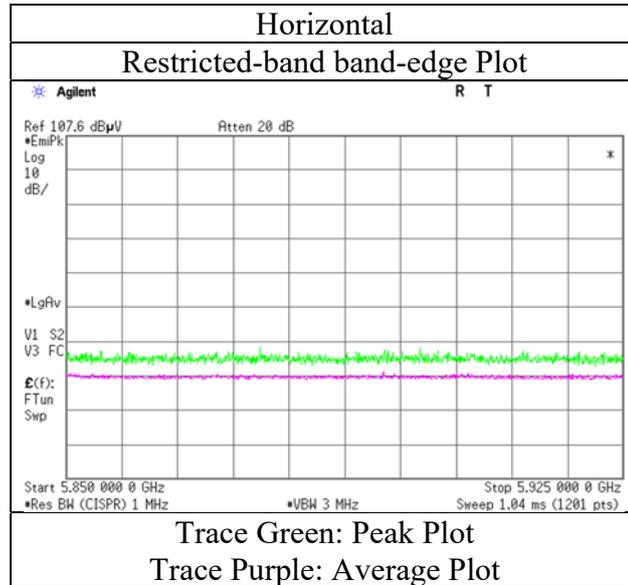
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 5795 MHz (OFDM)



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-80 5210 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	44.5	31.7	5.9	31.8	-	50.3	73.9	23.7	
Hori.	10420.000	PK	42.8	40.0	-3.1	33.5	-	46.2	68.2	22.0	Floor noise
Hori.	15630.000	PK	43.8	37.5	-1.6	32.8	-	46.9	73.9	27.0	Floor noise
Hori.	5150.000	AV	34.6	31.7	5.9	31.8	0.8	41.2	53.9	12.7	*1)
Hori.	15630.000	AV	35.5	37.5	-1.6	32.8	-	38.7	53.9	15.3	Floor noise
Vert.	5150.000	PK	44.4	31.7	5.9	31.8	-	50.2	73.9	23.7	
Vert.	10420.000	PK	42.3	40.0	-3.1	33.5	-	45.7	68.2	22.5	Floor noise
Vert.	15630.000	PK	44.7	37.5	-1.6	32.8	-	47.9	73.9	26.0	Floor noise
Vert.	5150.000	AV	35.3	31.7	5.9	31.8	0.8	41.9	53.9	12.0	*1)
Vert.	15630.000	AV	35.5	37.5	-1.6	32.8	-	38.7	53.9	15.3	Floor noise

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

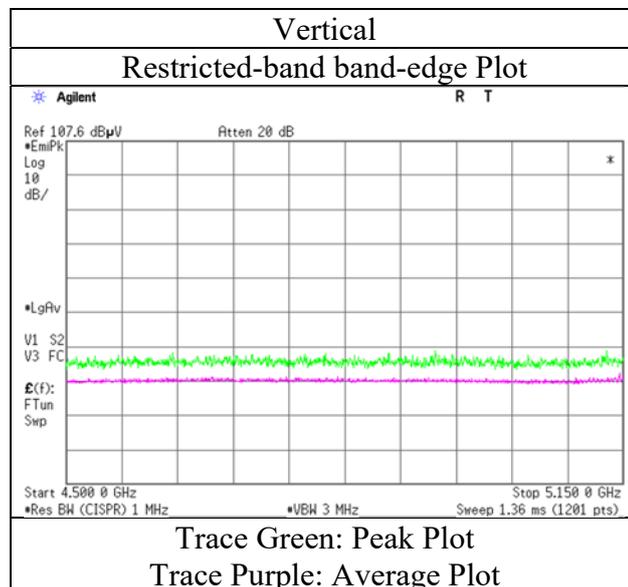
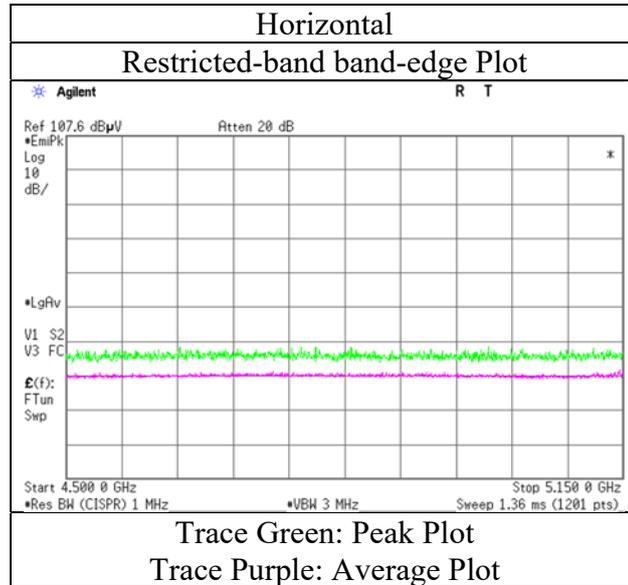
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date December 21, 2019
 Temperature / Humidity 23 deg. C / 40 % RH
 Engineer Yuta Moriya
 Mode Tx 11ax-80 5210 MHz (OFDM)



* 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.

UL Japan, Inc.

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Facsimile : +81 596 24 8124

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-80 5290 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant. Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	48.1	31.5	6.0	31.8	-	53.7	73.9	20.2	
Hori.	5354.567	PK	48.9	31.5	6.0	31.8	-	54.5	73.9	19.4	
Hori.	10580.000	PK	43.1	39.9	-3.0	33.6	-	46.4	68.2	21.8	Floor noise
Hori.	15870.000	PK	43.7	37.6	-1.7	32.8	-	46.8	73.9	27.1	Floor noise
Hori.	5350.000	AV	37.7	31.5	6.0	31.8	0.8	44.1	53.9	9.8	*1)
Hori.	5354.567	AV	37.9	31.5	6.0	31.8	0.8	44.3	53.9	9.6	*1)
Hori.	15870.000	AV	35.1	37.6	-1.7	32.8	-	38.2	53.9	15.8	Floor noise
Vert.	5350.000	PK	51.2	31.5	6.0	31.8	-	56.8	73.9	17.1	
Vert.	5354.567	PK	53.2	31.5	6.0	31.8	-	58.8	73.9	15.2	
Vert.	10580.000	PK	42.1	39.9	-3.0	33.6	-	45.5	68.2	22.8	Floor noise
Vert.	15870.000	PK	43.8	37.6	-1.7	32.8	-	46.9	73.9	27.0	Floor noise
Vert.	5350.000	AV	41.0	31.5	6.0	31.8	0.8	47.3	53.9	6.6	*1)
Vert.	5354.567	AV	42.0	31.5	6.0	31.8	0.8	48.4	53.9	5.6	*1)
Vert.	15870.000	AV	35.1	37.6	-1.7	32.8	-	38.2	53.9	15.8	Floor noise

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

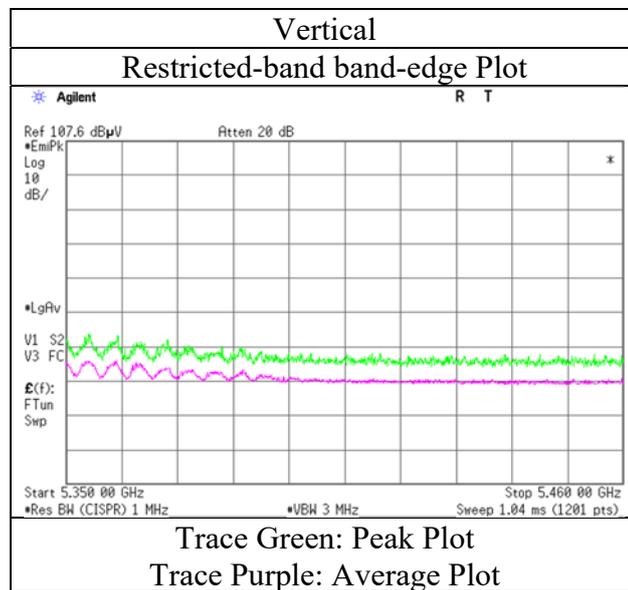
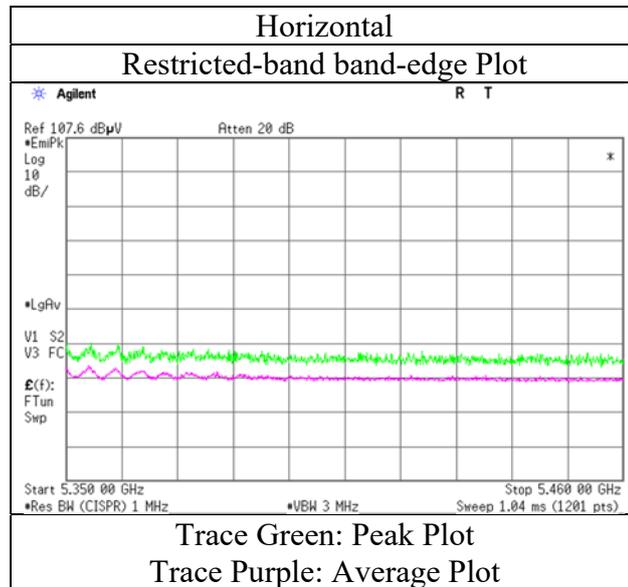
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 5290 MHz (OFDM)



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-80 5530 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	46.6	31.7	6.0	31.9	-	52.4	68.2	15.8	
Hori.	5470.000	PK	46.2	31.7	6.0	31.9	-	52.0	68.2	16.2	
Hori.	11060.000	PK	42.3	39.8	-2.7	33.6	-	45.8	73.9	28.1	Floor noise
Hori.	16590.000	PK	43.9	40.3	-1.6	32.7	-	50.0	68.2	18.2	Floor noise
Hori.	5460.000	AV	36.8	31.7	6.0	31.9	0.8	43.4	53.9	10.5	*1)
Hori.	11060.000	AV	34.0	39.8	-2.7	33.6	-	37.5	53.9	16.4	Floor noise
Vert.	5460.000	PK	48.6	31.7	6.0	31.9	-	54.5	68.2	13.7	
Vert.	5470.000	PK	49.2	31.7	6.0	31.9	-	55.1	68.2	13.1	
Vert.	11060.000	PK	42.2	39.8	-2.7	33.6	-	45.7	73.9	28.2	Floor noise
Vert.	16590.000	PK	43.7	40.3	-1.6	32.7	-	49.8	68.2	18.5	Floor noise
Vert.	5460.000	AV	38.4	31.7	6.0	31.9	0.8	45.0	53.9	8.9	*1)
Vert.	11060.000	AV	34.0	39.8	-2.7	33.6	-	37.5	53.9	16.4	Floor noise

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

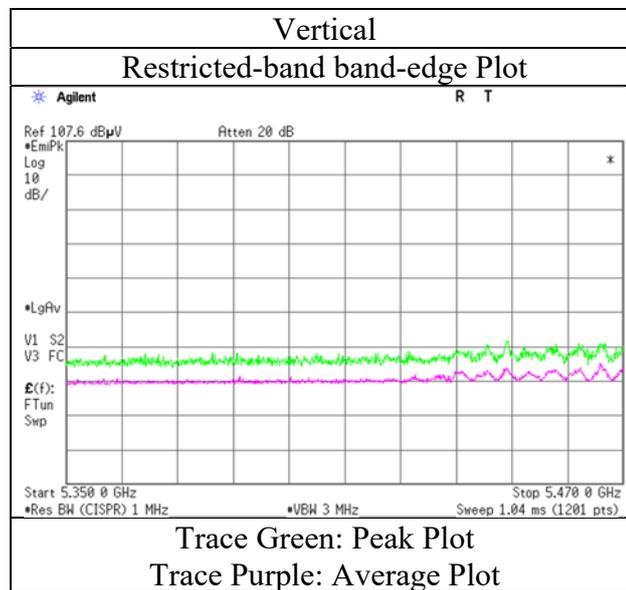
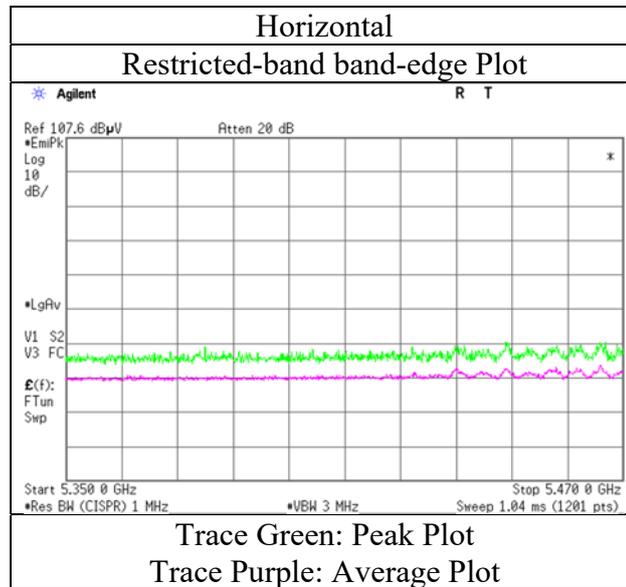
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 5530 MHz (OFDM)



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-80 5610 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	41.3	32.0	6.1	31.9	-	47.5	68.2	20.7	
Hori.	11220.000	PK	42.5	39.6	-2.6	33.6	-	45.9	73.9	28.0	Floor noise
Hori.	16830.000	PK	43.3	41.5	-1.5	32.6	-	50.7	68.2	17.5	Floor noise
Hori.	11220.000	AV	34.0	39.6	-2.6	33.6	-	37.4	53.9	16.5	Floor noise
Vert.	5725.000	PK	40.7	32.0	6.1	31.9	-	46.9	68.2	21.3	
Vert.	11220.000	PK	43.1	39.6	-2.6	33.6	-	46.5	73.9	27.4	Floor noise
Vert.	16830.000	PK	43.3	41.5	-1.5	32.6	-	50.7	68.2	17.5	Floor noise
Vert.	11220.000	AV	34.0	39.6	-2.6	33.6	-	37.4	53.9	16.5	Floor noise

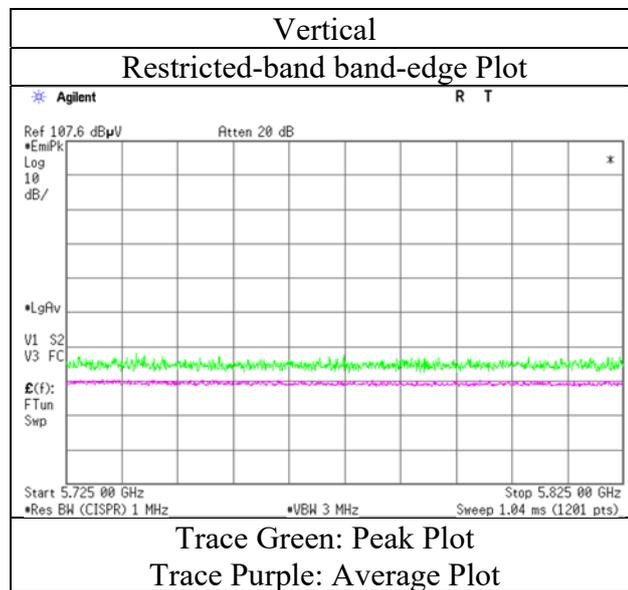
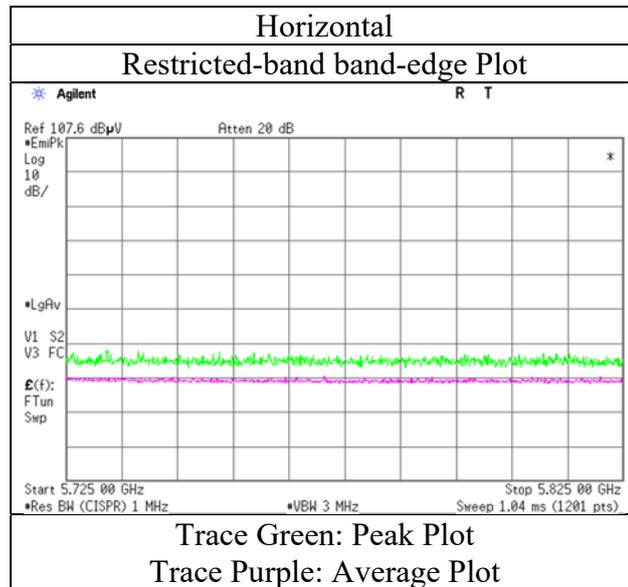
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 5610 MHz (OFDM)



* 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.

UL Japan, Inc.

Ise EMC Lab.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date December 21, 2019 January 9, 2020 January 9, 2020
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 34 % RH 24 deg. C / 35 % RH
Engineer Yuta Moriya Junki Nagatomi Tomohisa Nakagawa
(1 GHz - 10 GHz) (10 GHz - 18 GHz) (18 GHz - 40 GHz)
Mode Tx 11ax-80 5775 MHz (OFDM)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5650.000	PK	41.6	31.8	6.1	31.9	-	47.6	68.2	20.6	
Hori.	5700.000	PK	47.0	31.9	6.1	31.9	-	53.1	105.2	52.1	
Hori.	5720.000	PK	51.1	32.0	6.1	31.9	-	57.2	110.8	53.6	
Hori.	5725.000	PK	51.7	32.0	6.1	31.9	-	57.8	122.2	64.4	
Hori.	5850.000	PK	45.3	32.2	6.1	31.9	-	51.7	122.2	70.5	
Hori.	5855.000	PK	42.9	32.2	6.1	31.9	-	49.4	110.8	61.5	
Hori.	5875.000	PK	42.0	32.3	6.2	31.9	-	48.4	105.2	56.8	
Hori.	5925.000	PK	40.6	32.3	6.2	31.9	-	47.2	68.2	21.1	
Hori.	11550.000	PK	42.5	39.8	-2.5	33.5	-	46.4	73.9	27.5	Floor noise
Hori.	17325.000	PK	44.4	43.8	-1.4	32.6	-	54.2	68.2	14.0	Floor noise
Hori.	11550.000	AV	33.7	39.8	-2.5	33.5	-	37.5	53.9	16.4	Floor noise
Vert.	5650.000	PK	41.7	31.8	6.1	31.9	-	47.6	68.2	20.6	
Vert.	5700.000	PK	49.5	31.9	6.1	31.9	-	55.6	105.2	49.6	
Vert.	5720.000	PK	52.6	32.0	6.1	31.9	-	58.7	110.8	52.1	
Vert.	5725.000	PK	54.0	32.0	6.1	31.9	-	60.2	122.2	62.0	
Vert.	5850.000	PK	47.4	32.2	6.1	31.9	-	53.8	122.2	68.4	
Vert.	5855.000	PK	46.6	32.2	6.1	31.9	-	53.0	110.8	57.8	
Vert.	5875.000	PK	42.3	32.3	6.2	31.9	-	48.7	105.2	56.5	
Vert.	5925.000	PK	40.5	32.3	6.2	31.9	-	47.0	68.2	21.2	
Vert.	11550.000	PK	42.2	39.8	-2.5	33.5	-	46.0	73.9	27.9	Floor noise
Vert.	17325.000	PK	44.2	43.8	-1.4	32.6	-	54.0	68.2	14.2	Floor noise
Vert.	11550.000	AV	33.7	39.8	-2.5	33.5	-	37.5	53.9	16.4	Floor noise

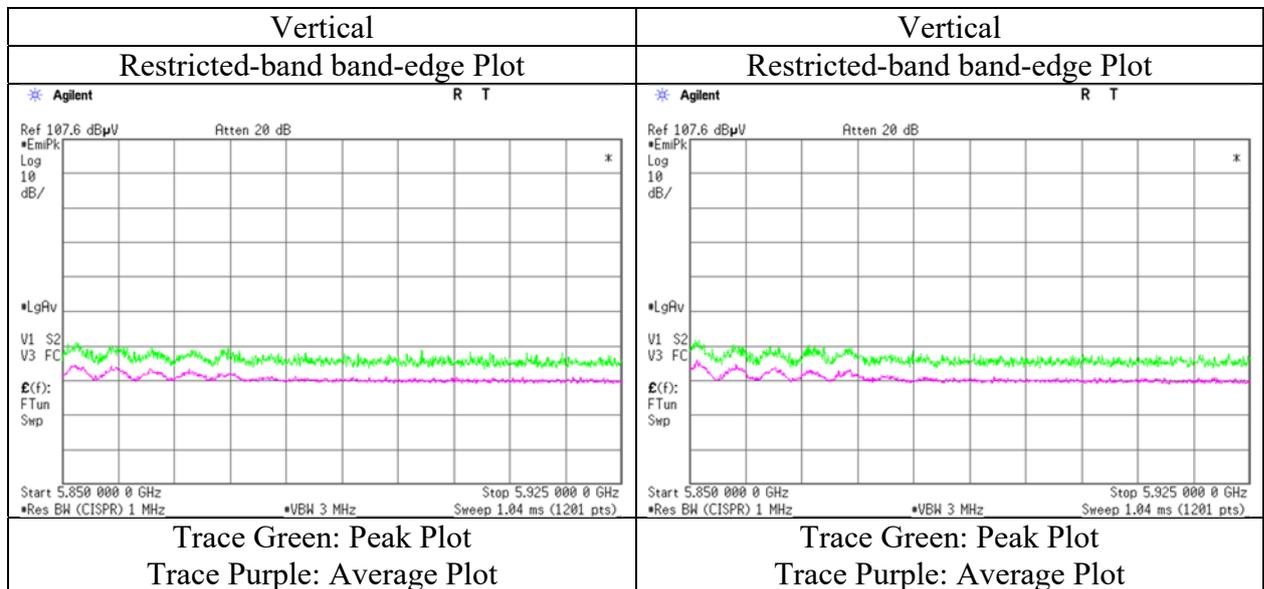
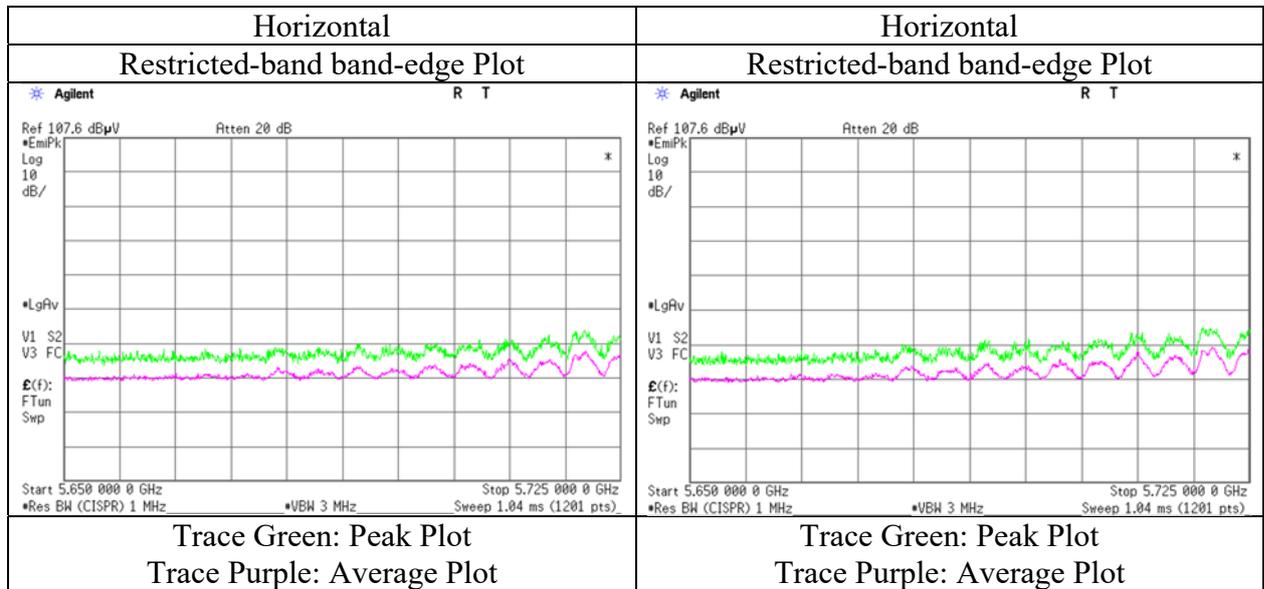
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No.	13170804H
Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	December 21, 2019
Temperature / Humidity	23 deg. C / 40 % RH
Engineer	Yuta Moriya
Mode	Tx 11ax-80 5775 MHz (OFDM)



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 25, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (26-tone RU)

RU Index 0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.6	31.7	5.9	31.8	-	46.4	73.9	27.5	
Hori.	5150.000	AV	32.6	31.7	5.9	31.8	0.2	38.6	53.9	15.3	*1)
Vert.	5150.000	PK	40.6	31.7	5.9	31.8	-	46.4	73.9	27.5	
Vert.	5150.000	AV	32.6	31.7	5.9	31.8	0.2	38.6	53.9	15.3	*1)

Result = 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).

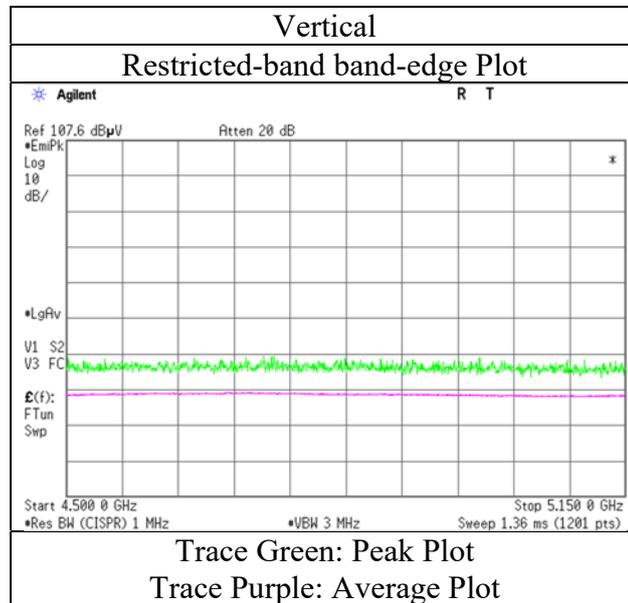
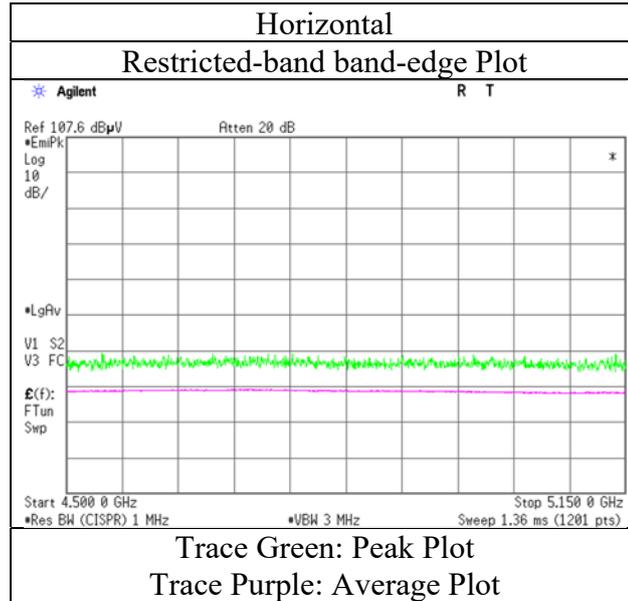
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 25, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (26-tone RU)

RU Index 0



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 25, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (52-tone RU)

RU Index 37

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.6	31.7	5.9	31.8	-	46.4	73.9	27.5	
Hori.	5150.000	AV	32.5	31.7	5.9	31.8	0.2	38.6	53.9	15.4	*1)
Vert.	5150.000	PK	40.7	31.7	5.9	31.8	-	46.5	73.9	27.4	
Vert.	5150.000	AV	32.7	31.7	5.9	31.8	0.2	38.7	53.9	15.2	*1)

Result = 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).

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

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

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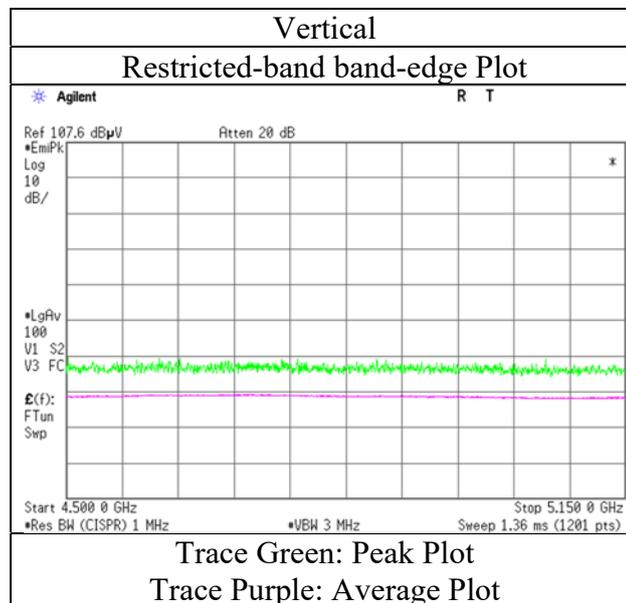
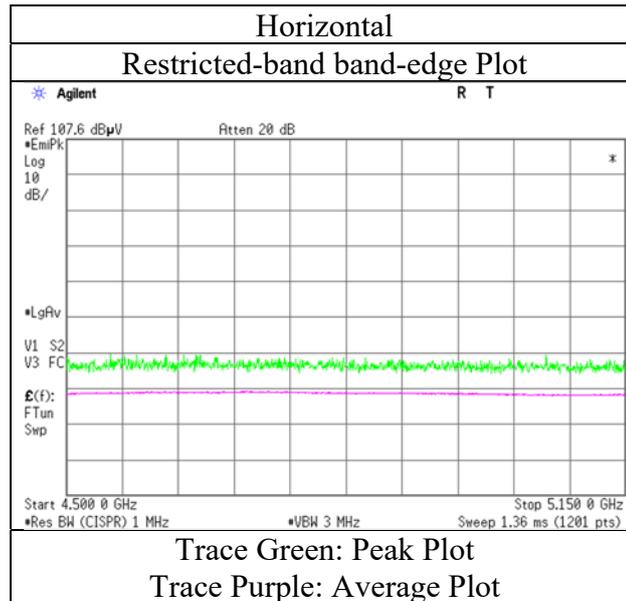
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 25, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (52-tone RU)

RU Index 37



* 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.

UL Japan, Inc.

Ise EMC Lab.

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Telephone : +81 596 24 8999

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 25, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (106-tone RU)

RU Index 53

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.6	31.7	5.9	31.8	-	46.4	73.9	27.5	
Hori.	5150.000	AV	32.5	31.7	5.9	31.8	0.2	38.5	53.9	15.4	*1)
Vert.	5150.000	PK	40.7	31.7	5.9	31.8	-	46.5	73.9	27.4	
Vert.	5150.000	AV	32.7	31.7	5.9	31.8	0.2	38.7	53.9	15.2	*1)

Result = 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).

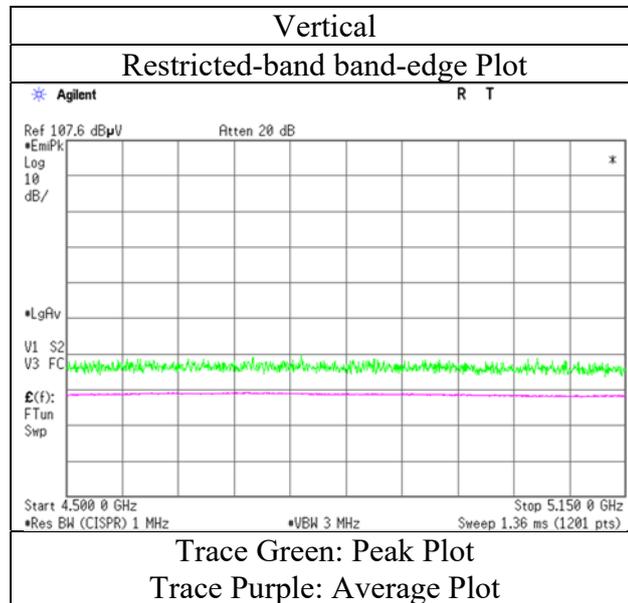
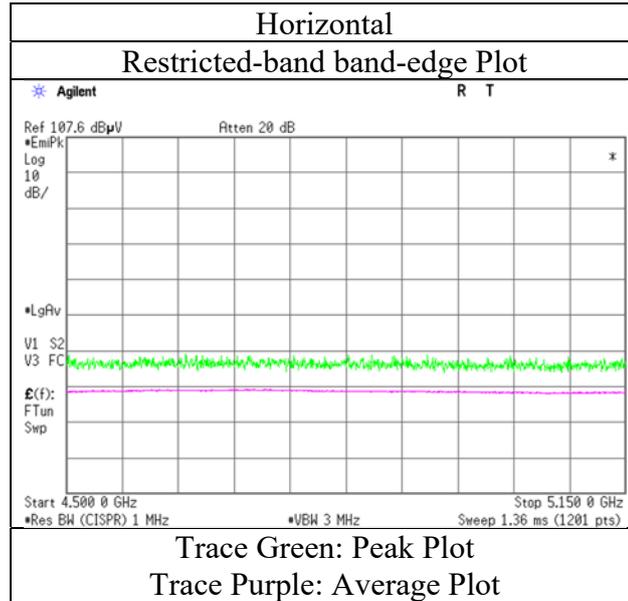
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 25, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (106-tone RU)

RU Index 53



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.3	31.7	6.0	31.6	-	46.3	73.9	27.6	
Hori.	5150.000	AV	32.2	31.7	6.0	31.6	0.3	38.5	53.9	15.5	*1)
Vert.	5150.000	PK	49.1	31.7	6.0	31.6	-	55.2	73.9	18.7	
Vert.	5150.000	AV	32.1	31.7	6.0	31.6	0.3	38.4	53.9	15.5	*1)

Result = 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).

④④④

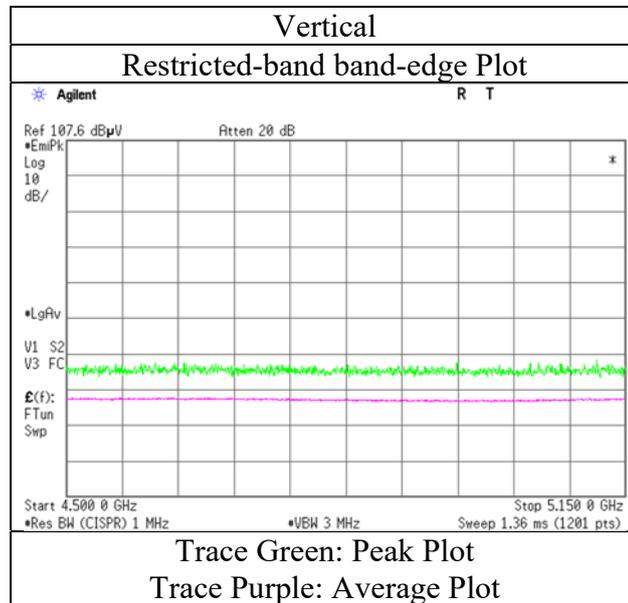
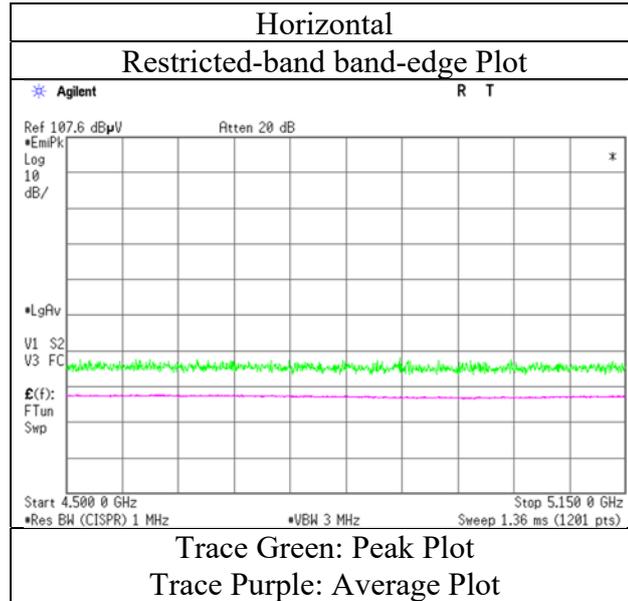
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5180 MHz (242-tone RU)

RU Index 61



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5320 MHz (26-tone RU)

RU Index 8

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	40.5	31.5	6.0	31.8	-	46.1	73.9	27.8	
Hori.	5350.000	AV	32.2	31.5	6.0	31.8	0.2	38.0	53.9	15.9	*1)
Vert.	5350.000	PK	40.3	31.5	6.0	31.8	-	45.9	73.9	28.0	
Vert.	5350.000	AV	32.2	31.5	6.0	31.8	0.2	38.0	53.9	15.9	*1)

Result = 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).

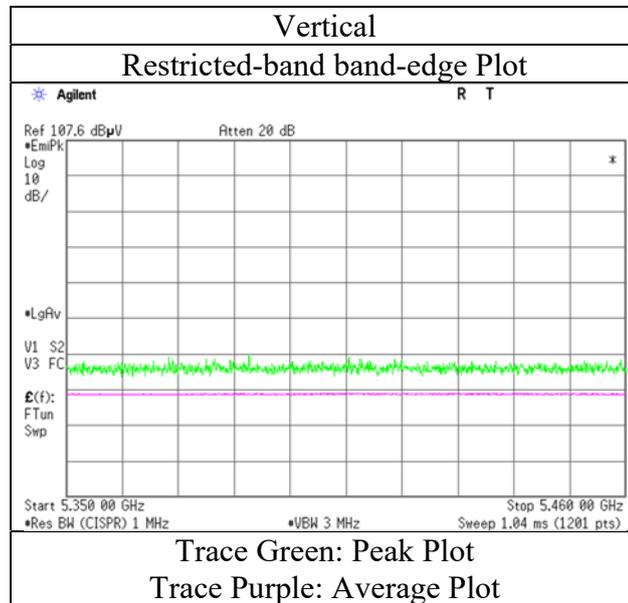
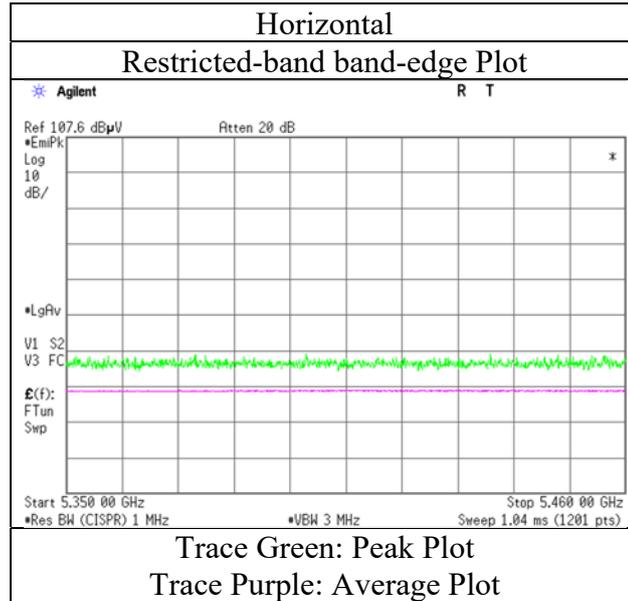
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date February 27, 2020
 Temperature / Humidity 23 deg. C / 31 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-20 5320 MHz (26-tone RU)

RU Index 8



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5320 MHz (52-tone RU)

RU Index 40

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	40.5	31.5	6.0	31.8	-	46.1	73.9	27.8	
Hori.	5350.000	AV	32.3	31.5	6.0	31.8	0.2	38.1	53.9	15.8	*1)
Vert.	5350.000	PK	40.4	31.5	6.0	31.8	-	46.0	73.9	27.9	
Vert.	5350.000	AV	32.2	31.5	6.0	31.8	0.2	38.0	53.9	15.9	*1)

Result = 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).

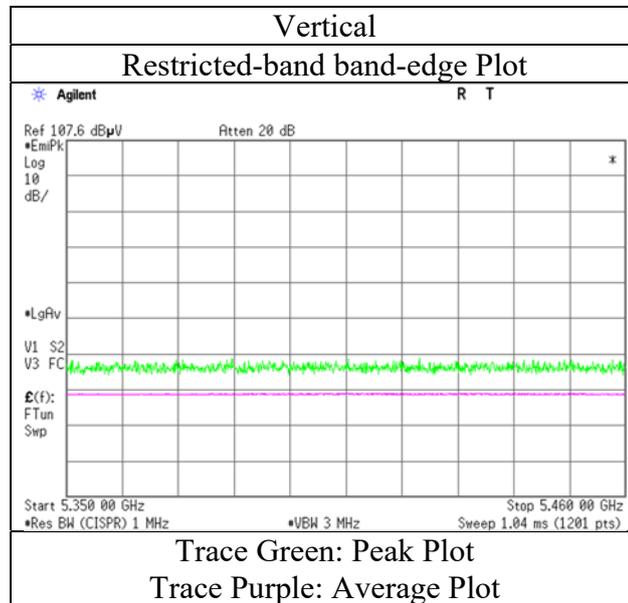
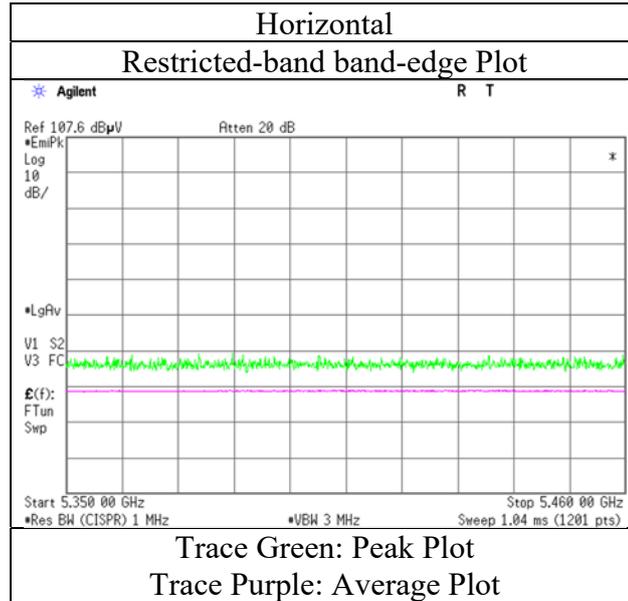
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5320 MHz (52-tone RU)

RU Index 40



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5320 MHz (106-tone RU)

RU Index 54

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	40.7	31.5	6.0	31.8	-	46.3	73.9	27.6	
Hori.	5350.000	AV	32.6	31.5	6.0	31.8	0.2	38.4	53.9	15.5	*1)
Vert.	5350.000	PK	40.6	31.5	6.0	31.8	-	46.1	73.9	27.8	
Vert.	5350.000	AV	32.4	31.5	6.0	31.8	0.2	38.2	53.9	15.7	*1)

Result = 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).

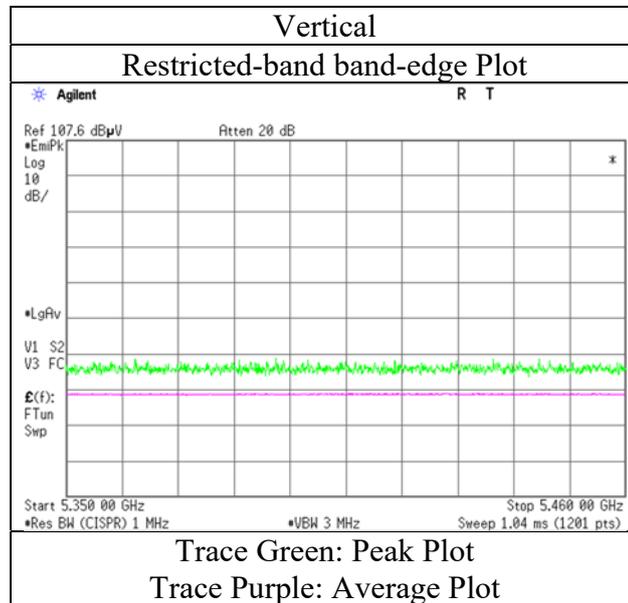
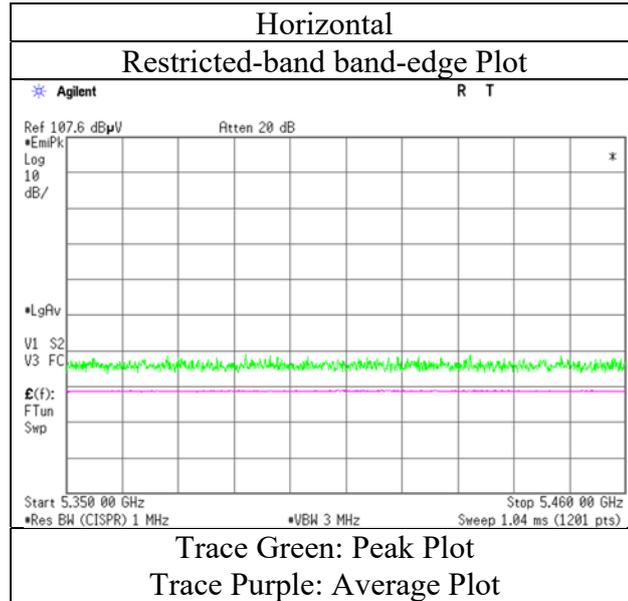
Distance factor: 1 GHz - 10 GHz 20log(3.9 m / 3.0 m) = 2.28 dB

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date February 27, 2020
 Temperature / Humidity 23 deg. C / 31 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-20 5320 MHz (106-tone RU)

RU Index 54



* 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.

UL Japan, Inc.

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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5320 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	40.3	31.5	6.1	31.7	-	46.1	73.9	27.8	
Hori.	5350.000	AV	32.3	31.5	6.1	31.7	0.3	38.4	53.9	15.5	*1)
Vert.	5350.000	PK	41.2	31.5	6.1	31.7	-	47.0	73.9	26.9	
Vert.	5350.000	AV	32.2	31.5	6.1	31.7	0.3	38.3	53.9	15.6	*1)

Result = 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).

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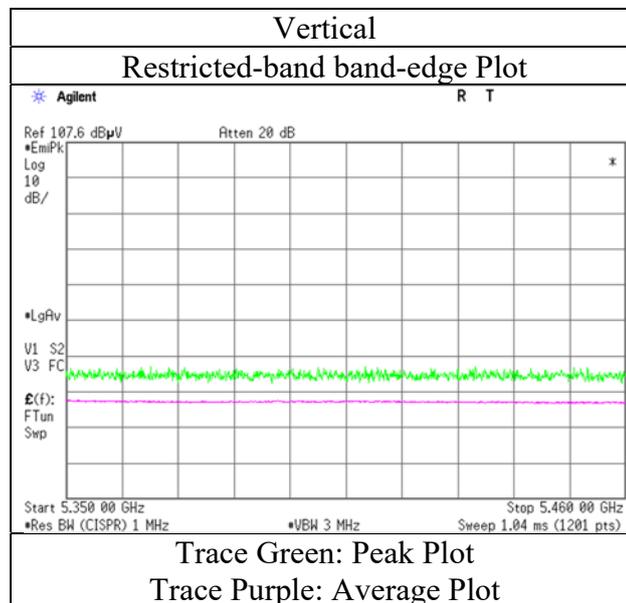
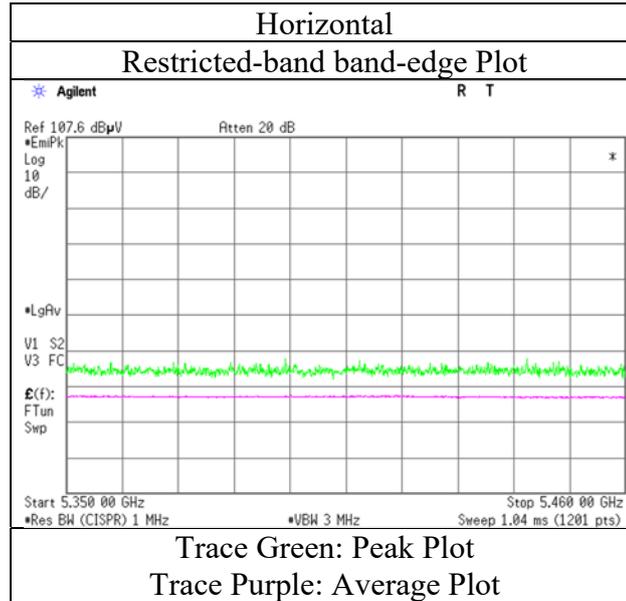
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date April 6, 2020
 Temperature / Humidity 20 deg. C / 27 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-20 5320 MHz (242-tone RU)

RU Index 61



* 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.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (26-tone RU)

RU Index 0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	40.3	31.7	6.0	31.9	-	46.1	68.2	22.1	
Hori.	5470.000	PK	40.5	31.7	6.0	31.9	-	46.3	68.2	21.9	
Hori.	5460.000	AV	32.5	31.7	6.0	31.9	0.2	38.5	53.9	15.4	*1)
Vert.	5460.000	PK	40.3	31.7	6.0	31.9	-	46.1	68.2	22.1	
Vert.	5470.000	PK	40.3	31.7	6.0	31.9	-	46.2	68.2	22.0	
Vert.	5460.000	AV	32.2	31.7	6.0	31.9	0.2	38.3	53.9	15.7	*1)

Result = 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).

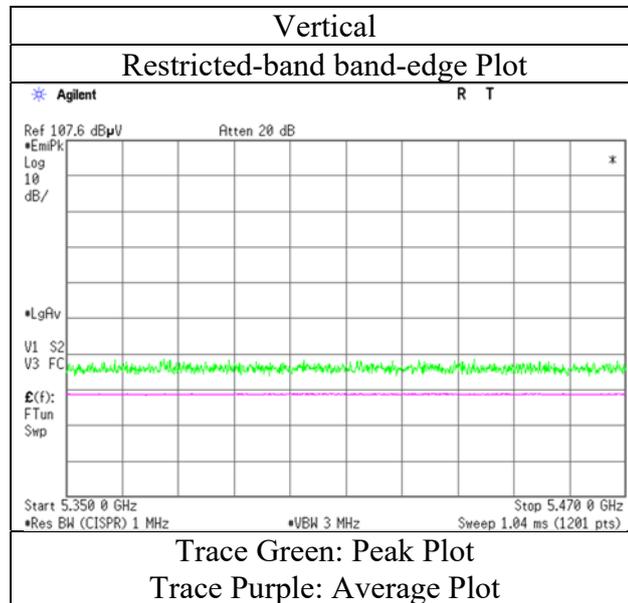
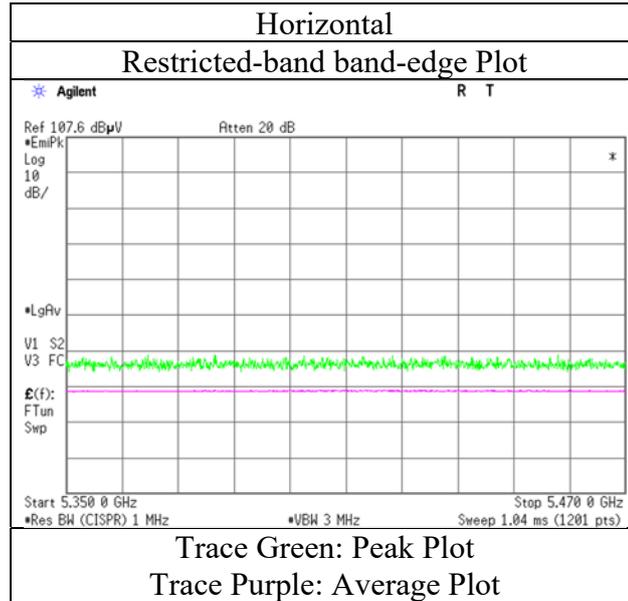
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date February 27, 2020
 Temperature / Humidity 23 deg. C / 31 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-20 5500 MHz (26-tone RU)

RU Index 0



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (52-tone RU)

RU Index37

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	40.4	31.7	6.0	31.9	-	46.2	68.2	22.0	
Hori.	5470.000	PK	40.5	31.7	6.0	31.9	-	46.4	68.2	21.9	
Hori.	5460.000	AV	32.5	31.7	6.0	31.9	0.2	38.6	53.9	15.4	*1)
Vert.	5460.000	PK	40.3	31.7	6.0	31.9	-	46.1	68.2	22.1	
Vert.	5470.000	PK	40.4	31.7	6.0	31.9	-	46.2	68.2	22.0	
Vert.	5460.000	AV	32.5	31.7	6.0	31.9	0.2	38.5	53.9	15.4	*1)

Result = 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).

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

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

UL Japan, Inc.

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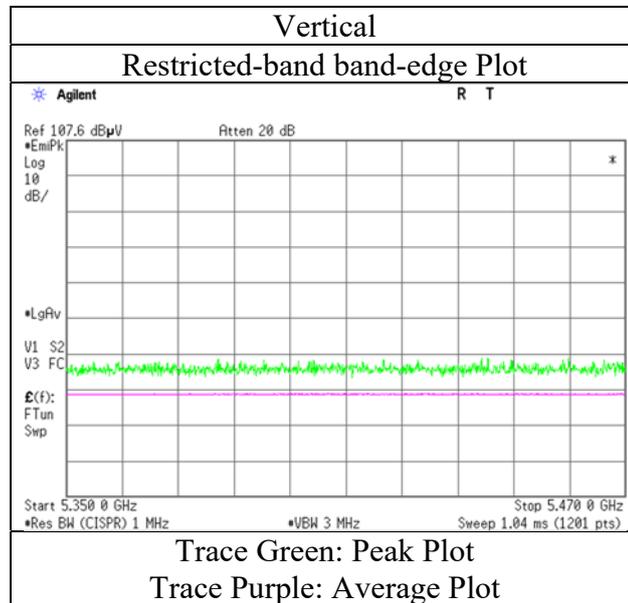
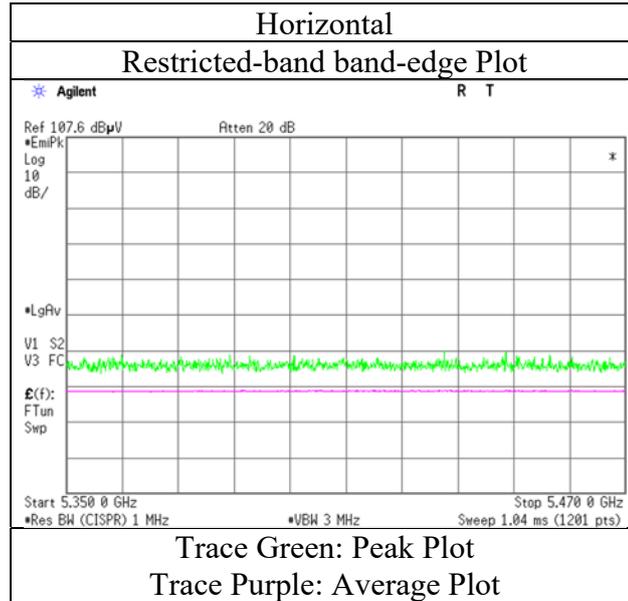
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (52-tone RU)

RU Index37



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (106-tone RU)

RU Index 53

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	40.4	31.7	6.0	31.9	-	46.2	68.2	22.0	
Hori.	5470.000	PK	40.5	31.7	6.0	31.9	-	46.4	68.2	21.8	
Hori.	5460.000	AV	32.5	31.7	6.0	31.9	0.2	38.6	53.9	15.3	*1)
Vert.	5460.000	PK	40.3	31.7	6.0	31.9	-	46.2	68.2	22.0	
Vert.	5470.000	PK	40.4	31.7	6.0	31.9	-	46.3	68.2	22.0	
Vert.	5460.000	AV	32.4	31.7	6.0	31.9	0.2	38.5	53.9	15.4	*1)

Result = 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).

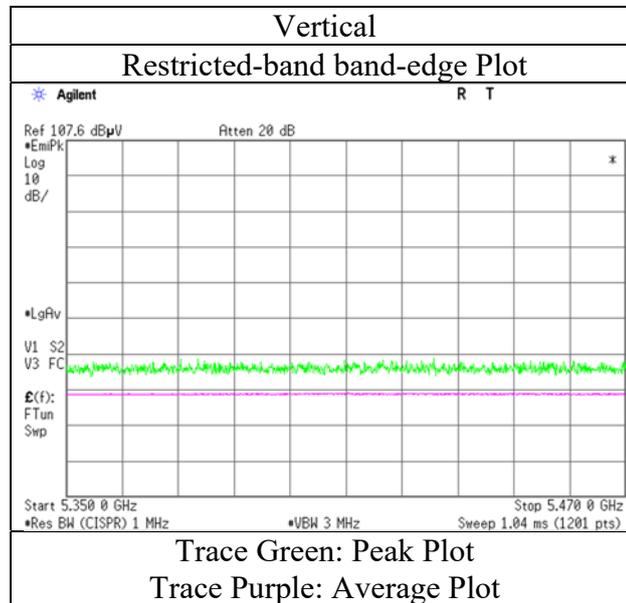
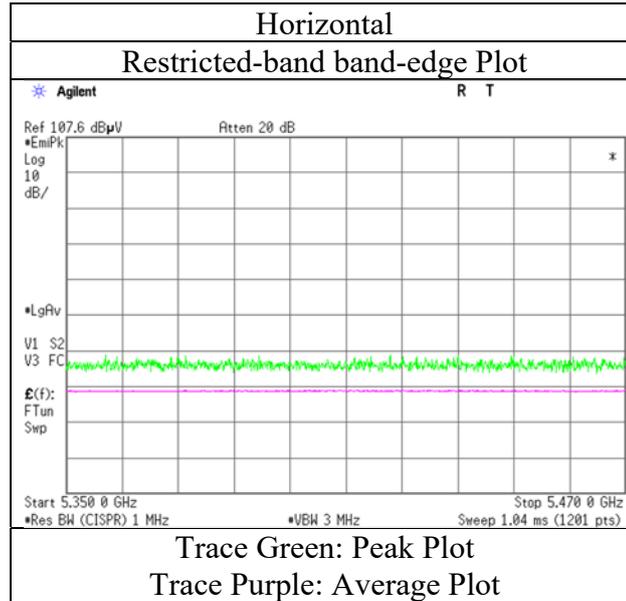
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (106-tone RU)

RU Index 53



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5460.000	PK	39.7	31.7	6.1	31.7	-	45.8	68.2	22.4	
Hori.	5470.000	PK	41.9	31.7	6.1	31.7	-	48.0	68.2	20.2	
Hori.	5460.000	AV	32.2	31.7	6.1	31.7	0.3	38.5	53.9	15.4	*1)
Vert.	5460.000	PK	39.7	31.7	6.1	31.7	-	45.7	68.2	22.5	
Vert.	5470.000	PK	40.9	31.7	6.1	31.7	-	47.0	68.2	21.2	
Vert.	5460.000	AV	32.2	31.7	6.1	31.7	0.3	38.5	53.9	15.4	*1)

Result = 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).

Notes

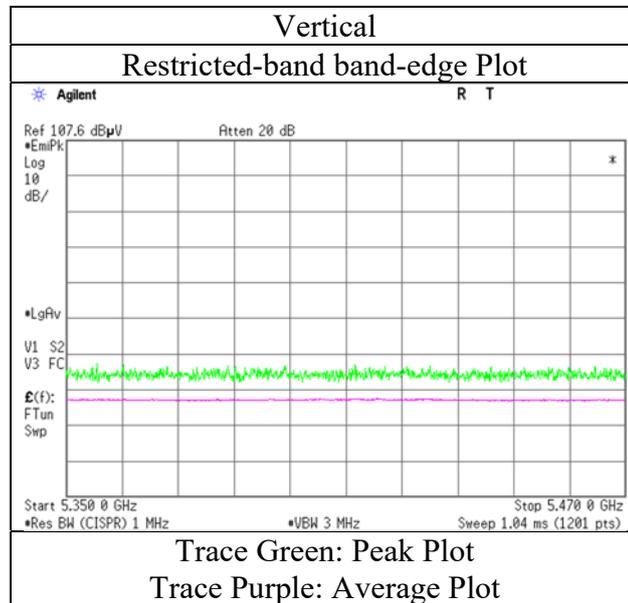
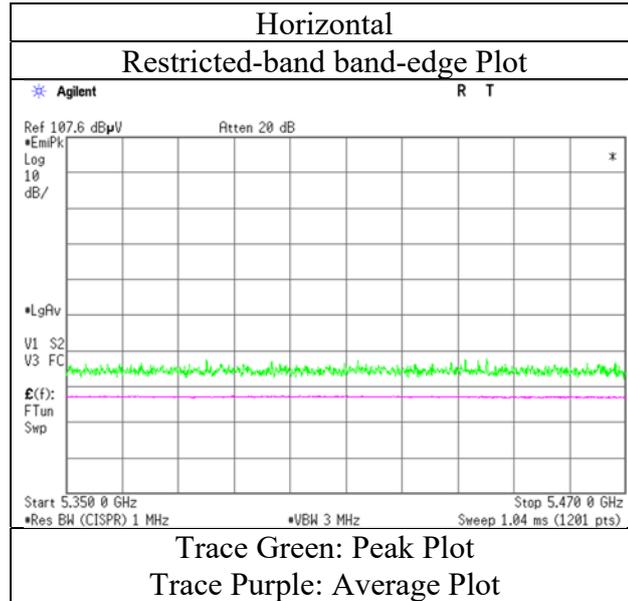
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 MHz (242-tone RU)

RU Index 61



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (26-tone RU)

RU Index 8

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	40.3	32.0	6.1	31.9	-	46.5	68.2	21.8	
Vert.	5725.000	PK	40.3	32.0	6.1	31.9	-	46.5	68.2	21.7	

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

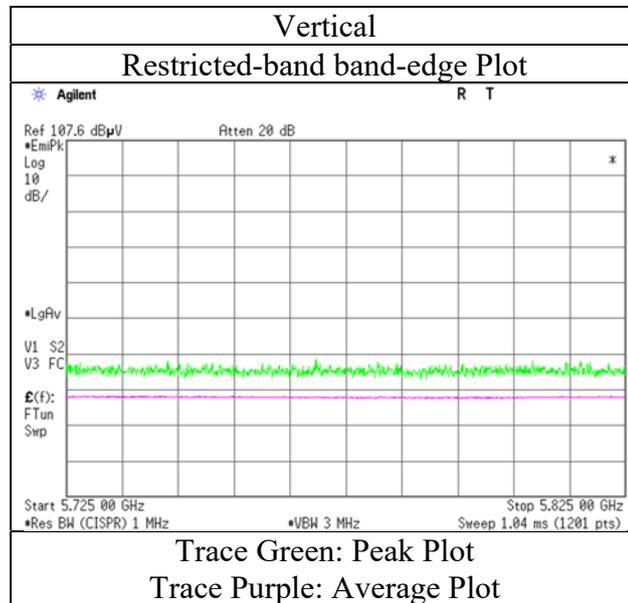
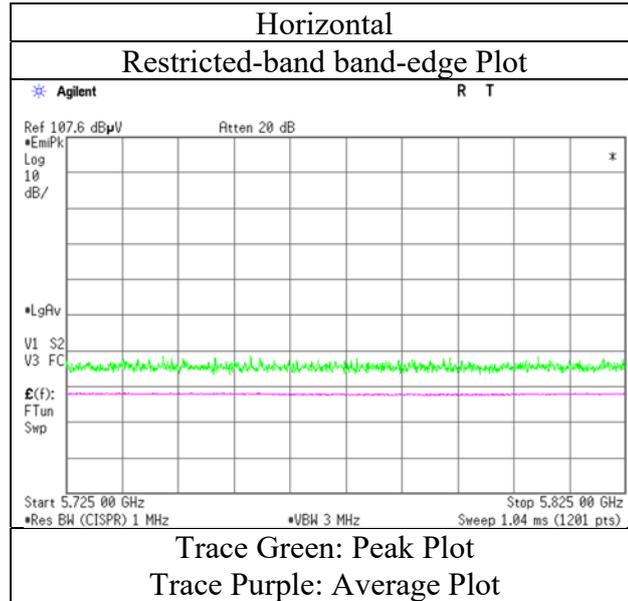
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (26-tone RU)

RU Index 8



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (52-tone RU)

RU Index 40

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	40.2	32.0	6.1	31.9	-	46.4	68.2	21.8	
Vert.	5725.000	PK	40.2	32.0	6.1	31.9	-	46.4	68.2	21.8	

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

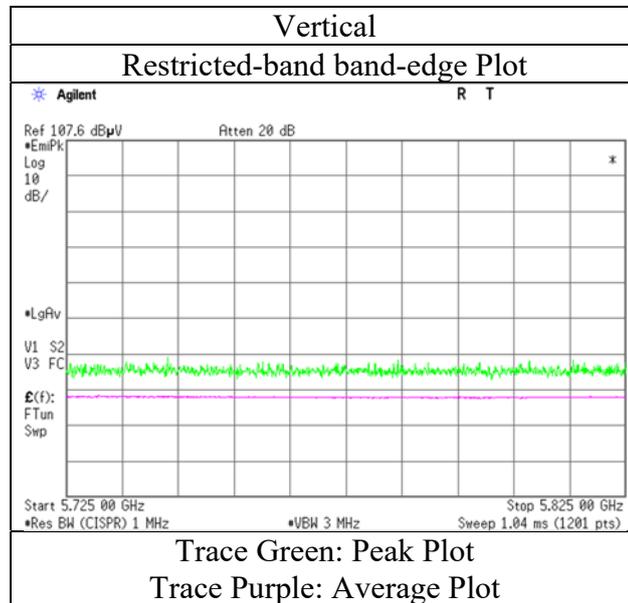
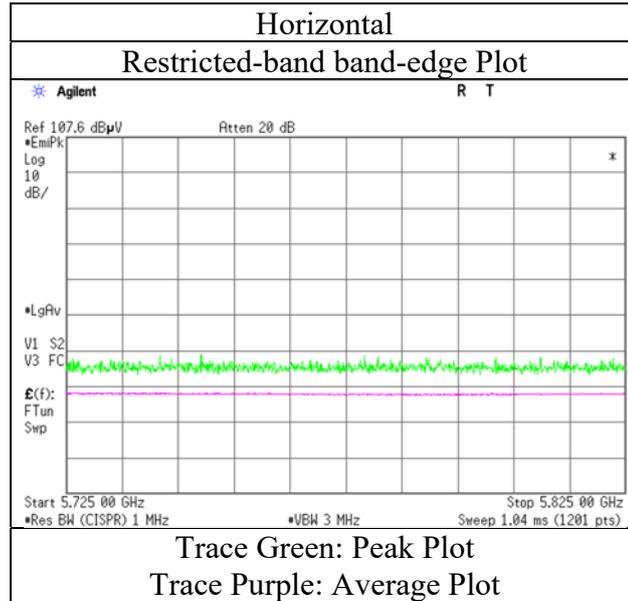
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz(52-tone RU)

RU Index 40



* 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.

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (106-tone RU)

RU Index 54

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	40.3	32.0	6.1	31.9	-	46.4	68.2	21.8	
Vert.	5725.000	PK	40.3	32.0	6.1	31.9	-	46.5	68.2	21.7	

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

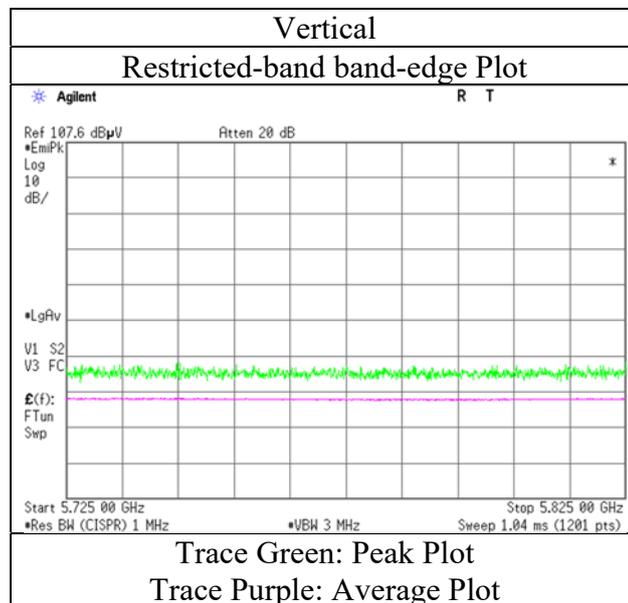
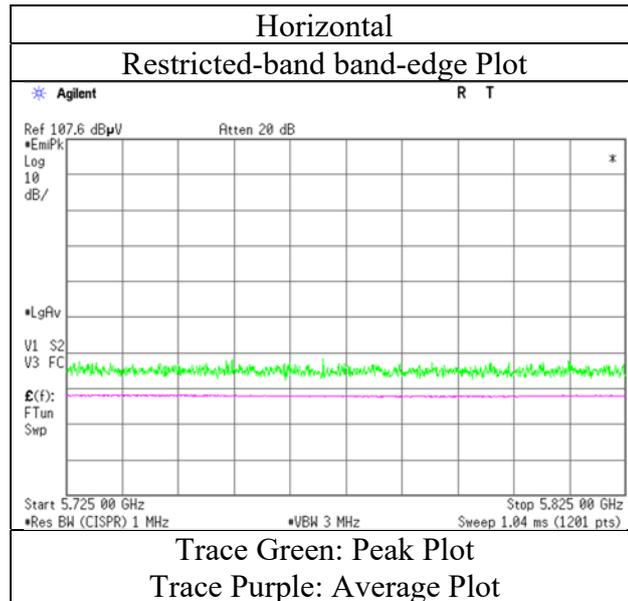
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (106-tone RU)

RU Index 54



* 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.

UL Japan, Inc.

Ise EMC Lab.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5725.000	PK	56.0	32.0	6.2	31.8	-	62.4	68.2	5.8	
Vert.	5725.000	PK	56.9	32.0	6.2	31.8	-	63.2	68.2	5.0	

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

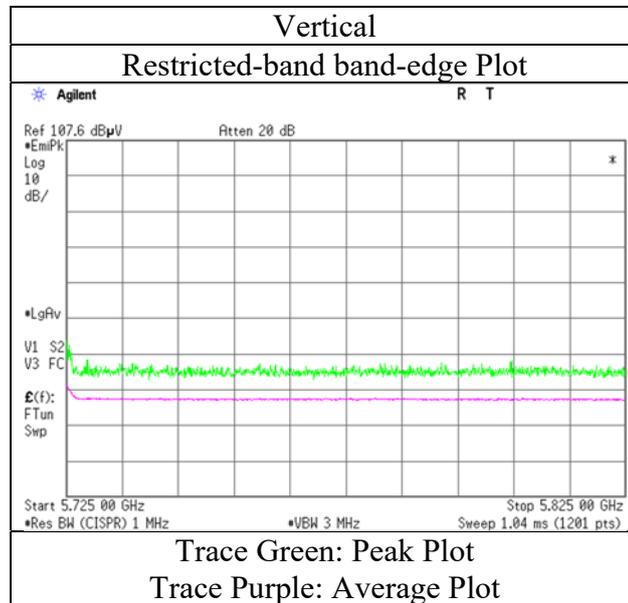
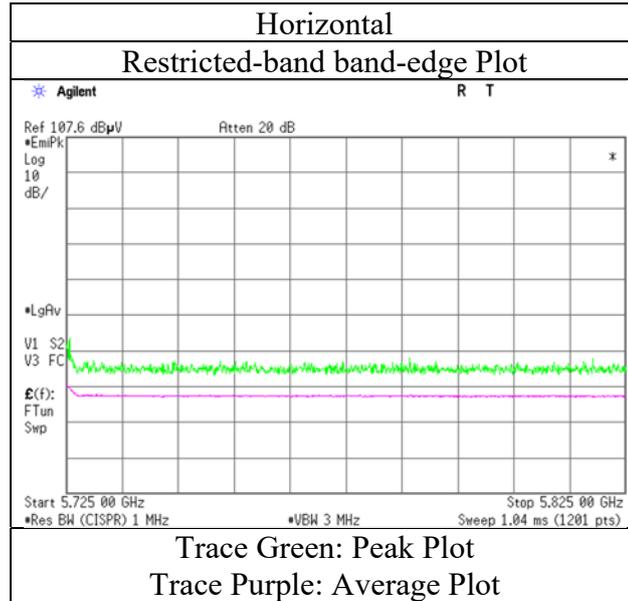
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5700 MHz (242-tone RU)

RU Index 61



* 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.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5745 MHz (26-tone RU)

RU Index 0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5650.000	PK	40.3	31.8	6.1	31.9	-	46.2	68.2	22.0	
Hori.	5700.000	PK	40.3	31.9	6.1	31.9	-	46.4	105.2	58.8	
Hori.	5720.000	PK	40.4	32.0	6.1	31.9	-	46.6	110.8	64.2	
Hori.	5725.000	PK	40.8	32.0	6.1	31.9	-	46.9	122.2	75.3	
Vert.	5650.000	PK	40.2	31.8	6.1	31.9	-	46.2	68.2	22.0	
Vert.	5700.000	PK	40.3	31.9	6.1	31.9	-	46.4	105.2	58.8	
Vert.	5720.000	PK	40.5	32.0	6.1	31.9	-	46.7	110.8	64.2	
Vert.	5725.000	PK	40.8	32.0	6.1	31.9	-	47.0	122.2	75.2	

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

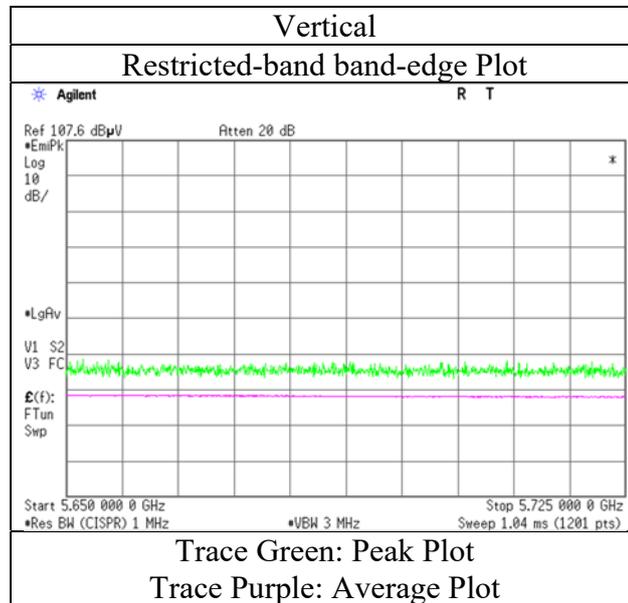
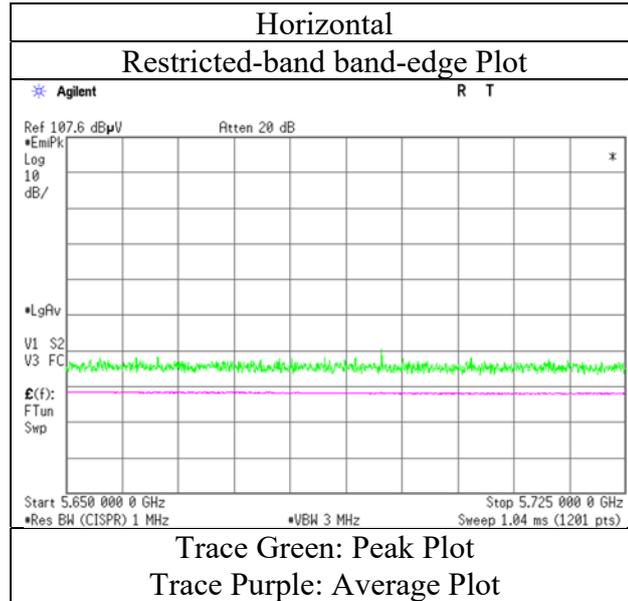
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 23 deg. C / 31 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5745 MHz (26-tone RU)

RU Index 0



* 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.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5745 MHz (52-tone RU)

RU Index 37

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5650.000	PK	40.3	31.8	6.1	31.9	-	46.3	68.2	21.9	
Hori.	5700.000	PK	40.4	31.9	6.1	31.9	-	46.5	105.2	58.7	
Hori.	5720.000	PK	40.5	32.0	6.1	31.9	-	46.6	110.8	64.2	
Hori.	5725.000	PK	40.8	32.0	6.1	31.9	-	47.0	122.2	75.2	
Vert.	5650.000	PK	40.3	31.8	6.1	31.9	-	46.2	68.2	22.0	
Vert.	5700.000	PK	40.3	31.9	6.1	31.9	-	46.4	105.2	58.8	
Vert.	5720.000	PK	40.6	32.0	6.1	31.9	-	46.7	110.8	64.1	
Vert.	5725.000	PK	40.8	32.0	6.1	31.9	-	47.0	122.2	75.2	

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

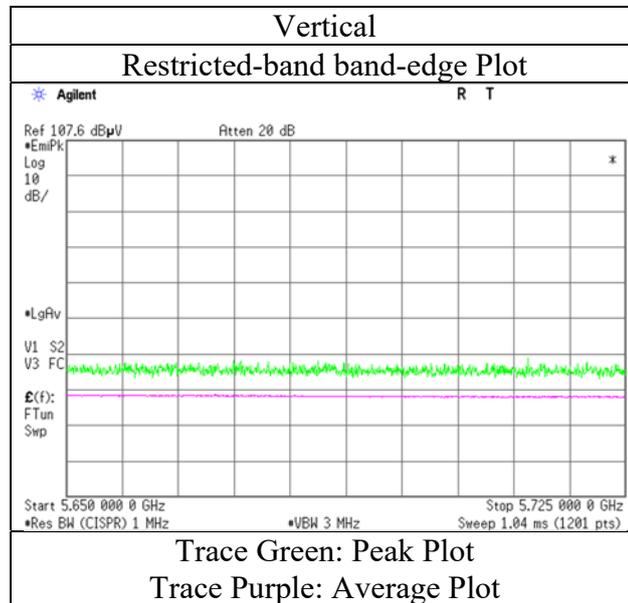
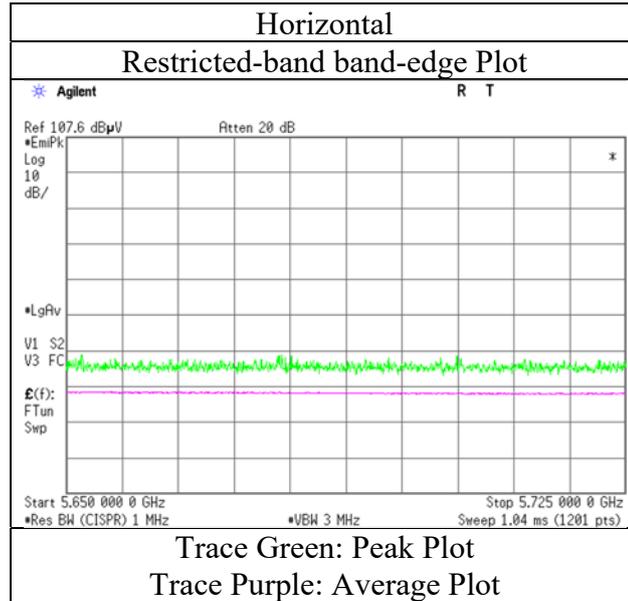
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5745 MHz (52-tone RU)

RU Index 37



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5745 MHz (106-tone RU)

RU Index 53

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5650.000	PK	40.3	31.8	6.1	31.9	-	46.3	68.2	21.9	
Hori.	5700.000	PK	40.7	31.9	6.1	31.9	-	46.8	105.2	58.5	
Hori.	5720.000	PK	40.4	32.0	6.1	31.9	-	46.5	110.8	64.3	
Hori.	5725.000	PK	40.8	32.0	6.1	31.9	-	47.0	122.2	75.2	
Vert.	5650.000	PK	40.3	31.8	6.1	31.9	-	46.2	68.2	22.0	
Vert.	5700.000	PK	40.4	31.9	6.1	31.9	-	46.5	105.2	58.7	
Vert.	5720.000	PK	40.5	32.0	6.1	31.9	-	46.7	110.8	64.1	
Vert.	5725.000	PK	40.9	32.0	6.1	31.9	-	47.1	122.2	75.1	

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

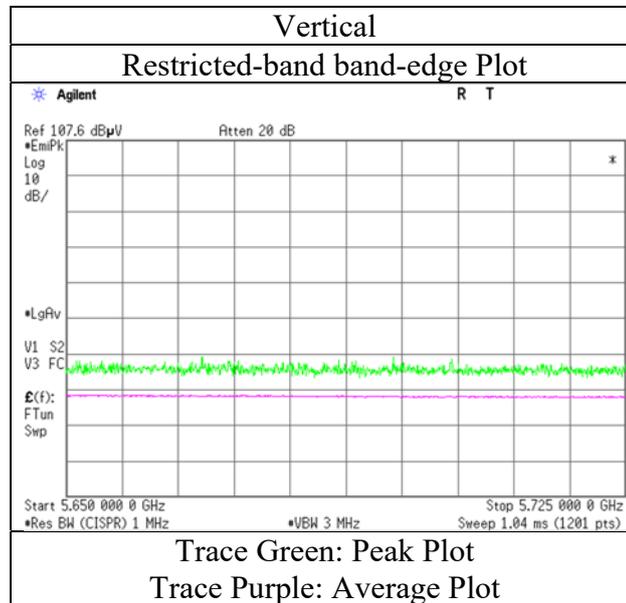
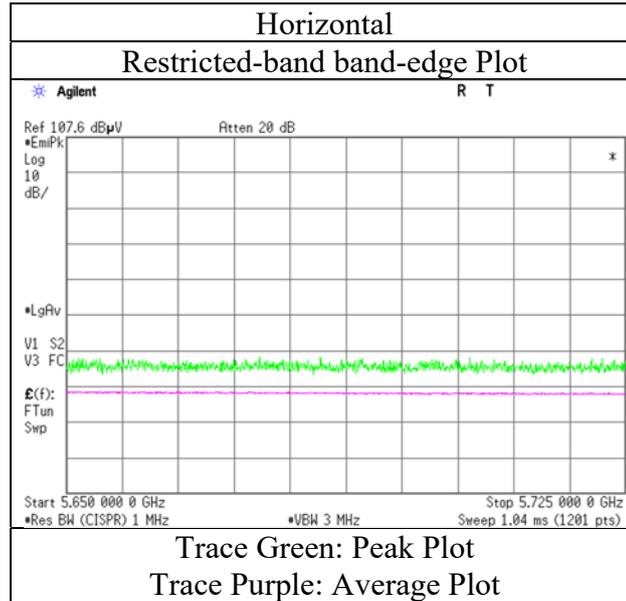
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date February 27, 2020
 Temperature / Humidity 22 deg. C / 36 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-20 5745 MHz (106-tone RU)

RU Index 53



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5745 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5650.000	PK	39.8	31.8	6.2	31.8	-	45.9	68.2	22.3	
Hori.	5700.000	PK	40.7	31.9	6.2	31.8	-	47.0	105.2	58.3	
Hori.	5720.000	PK	55.6	32.0	6.2	31.8	-	62.0	110.8	48.8	
Hori.	5725.000	PK	61.4	32.0	6.2	31.8	-	67.8	122.2	54.5	
Vert.	5650.000	PK	40.3	31.8	6.2	31.8	-	46.4	68.2	21.8	
Vert.	5700.000	PK	40.5	31.9	6.2	31.8	-	46.8	105.2	58.4	
Vert.	5720.000	PK	53.4	32.0	6.2	31.8	-	59.7	110.8	51.1	
Vert.	5725.000	PK	62.3	32.0	6.2	31.8	-	68.7	122.2	53.5	

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

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

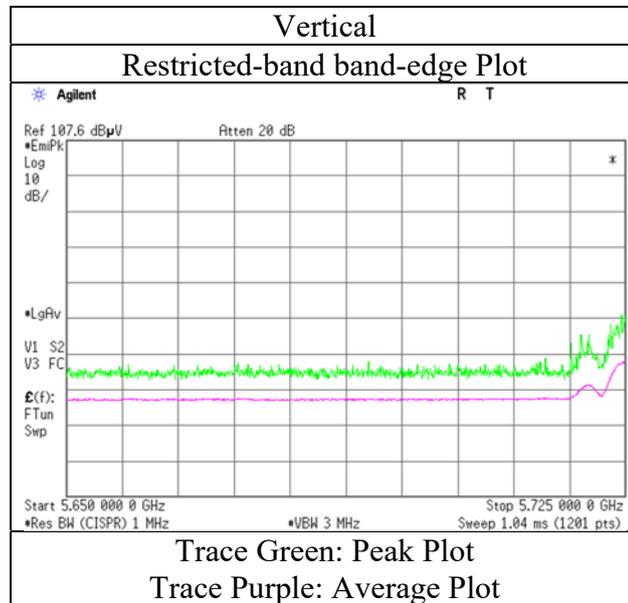
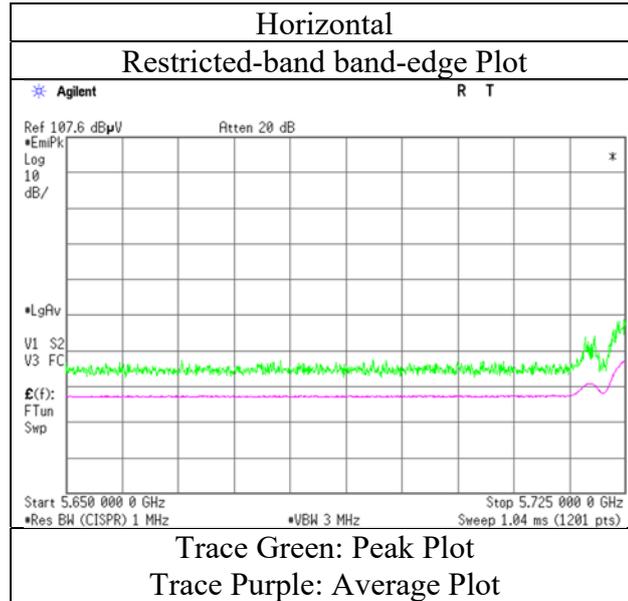
Distance

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date April 6, 2020
 Temperature / Humidity 20 deg. C / 27 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-20 5745 MHz (242-tone RU)

RU Index 61



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (26-tone RU)

RU Index 8

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5850.000	PK	40.5	32.2	6.1	31.9	-	47.0	122.2	75.2	
Hori.	5855.000	PK	40.5	32.2	6.1	31.9	-	46.9	110.8	63.9	
Hori.	5875.000	PK	40.4	32.3	6.2	31.9	-	46.8	105.2	58.4	
Hori.	5925.000	PK	40.2	32.3	6.2	31.9	-	46.7	68.2	21.5	
Vert.	5850.000	PK	40.5	32.2	6.1	31.9	-	47.0	122.2	75.2	
Vert.	5855.000	PK	40.4	32.2	6.1	31.9	-	46.9	110.8	63.9	
Vert.	5875.000	PK	40.3	32.3	6.2	31.9	-	46.8	105.2	58.4	
Vert.	5925.000	PK	40.3	32.3	6.2	31.9	-	46.8	68.2	21.4	

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

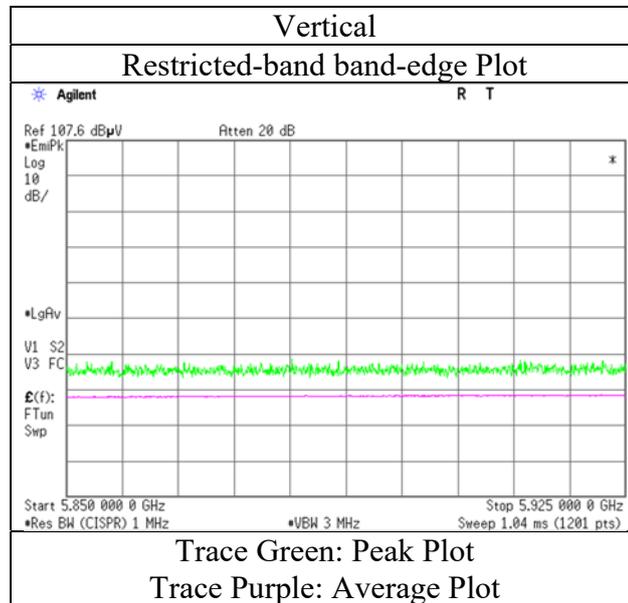
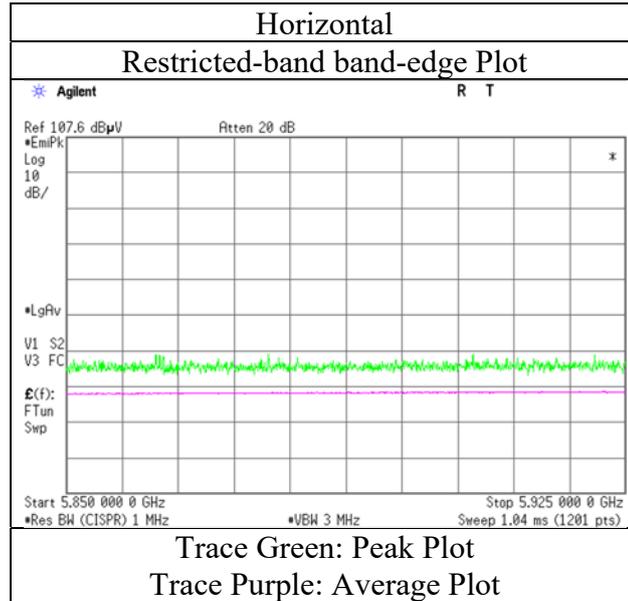
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (26-tone RU)

RU Index 8



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (52-tone RU)

RU Index 40

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5850.000	PK	40.6	32.2	6.1	31.9	-	47.0	122.2	75.2	
Hori.	5855.000	PK	40.5	32.2	6.1	31.9	-	47.0	110.8	63.9	
Hori.	5875.000	PK	40.4	32.3	6.2	31.9	-	46.9	105.2	58.4	
Hori.	5925.000	PK	40.2	32.3	6.2	31.9	-	46.7	68.2	21.5	
Vert.	5850.000	PK	40.5	32.2	6.1	31.9	-	47.0	122.2	75.2	
Vert.	5855.000	PK	40.4	32.2	6.1	31.9	-	46.9	110.8	63.9	
Vert.	5875.000	PK	40.3	32.3	6.2	31.9	-	46.8	105.2	58.4	
Vert.	5925.000	PK	40.3	32.3	6.2	31.9	-	46.8	68.2	21.4	

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

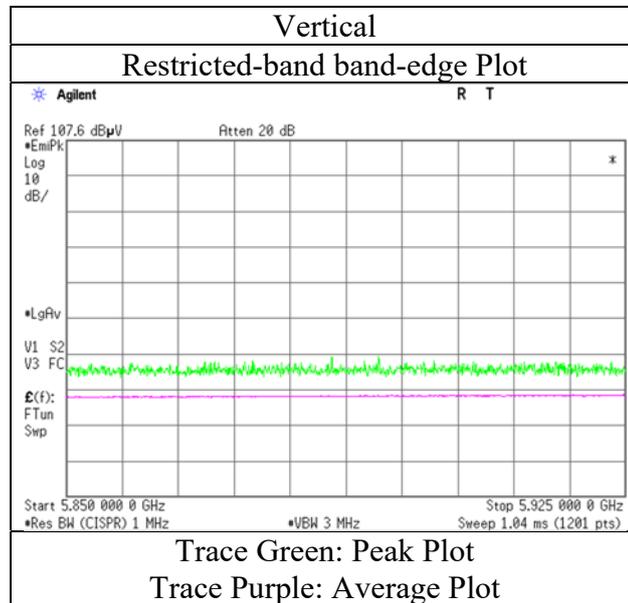
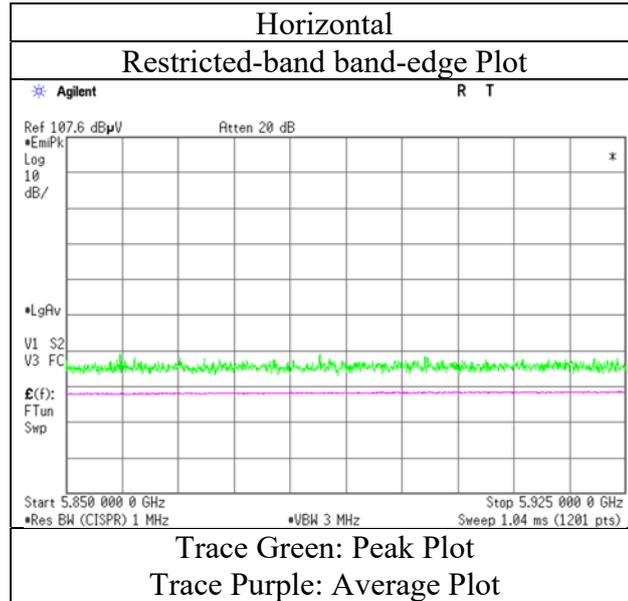
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (52-tone RU)

RU Index 40



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (106-tone RU)

RU Index 54

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5850.000	PK	40.6	32.2	6.1	31.9	-	47.1	122.2	75.1	
Hori.	5855.000	PK	40.6	32.2	6.1	31.9	-	47.0	110.8	63.8	
Hori.	5875.000	PK	40.6	32.3	6.2	31.9	-	47.1	105.2	58.2	
Hori.	5925.000	PK	40.5	32.3	6.2	31.9	-	47.0	68.2	21.2	
Vert.	5850.000	PK	40.5	32.2	6.1	31.9	-	47.0	122.2	75.2	
Vert.	5855.000	PK	40.5	32.2	6.1	31.9	-	47.0	110.8	63.9	
Vert.	5875.000	PK	40.4	32.3	6.2	31.9	-	46.9	105.2	58.4	
Vert.	5925.000	PK	40.3	32.3	6.2	31.9	-	46.8	68.2	21.4	

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

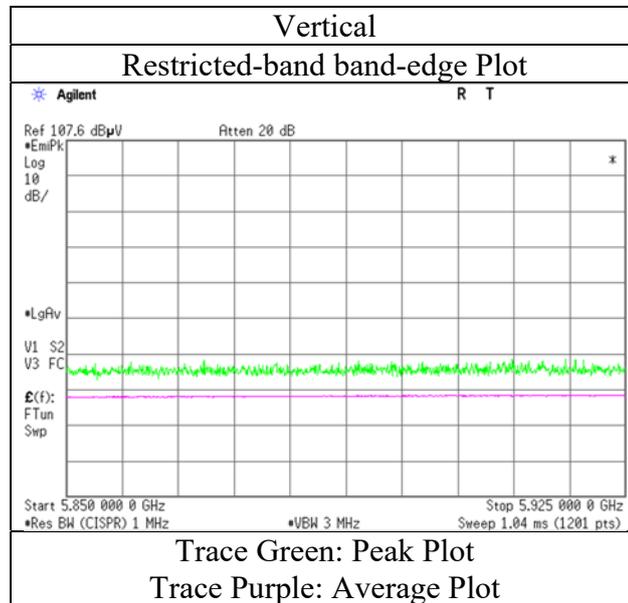
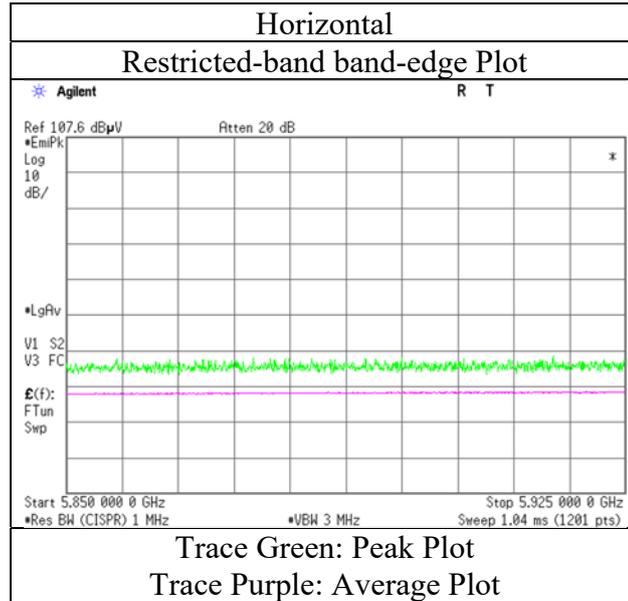
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 27, 2020
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (106-tone RU)

RU Index 54



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5850.000	PK	52.3	32.2	6.2	31.8	-	58.9	122.2	63.3	
Hori.	5855.000	PK	47.0	32.2	6.2	31.8	-	53.6	110.8	57.2	
Hori.	5875.000	PK	40.1	32.3	6.3	31.8	-	46.7	105.2	58.5	
Hori.	5925.000	PK	40.1	32.3	6.3	31.9	-	46.8	68.2	21.4	
Vert.	5850.000	PK	54.9	32.2	6.2	31.8	-	61.6	122.2	60.6	
Vert.	5855.000	PK	50.0	32.2	6.2	31.8	-	56.7	110.8	54.1	
Vert.	5875.000	PK	41.2	32.3	6.3	31.8	-	47.9	105.2	57.3	
Vert.	5925.000	PK	40.8	32.3	6.3	31.9	-	47.5	68.2	20.7	

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

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

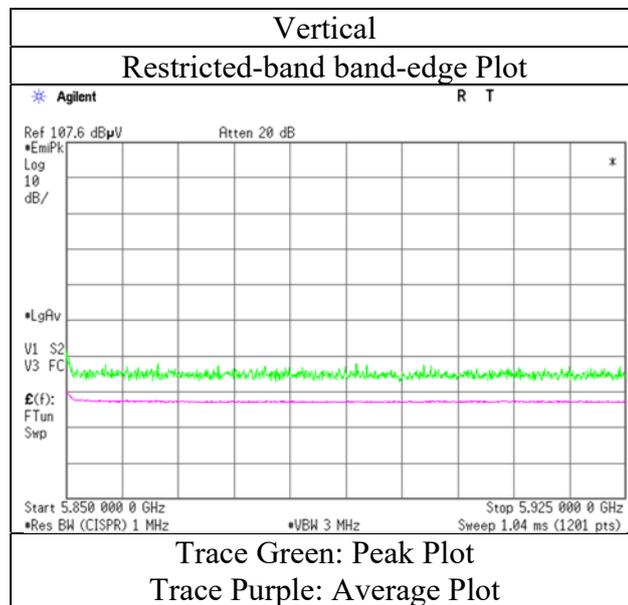
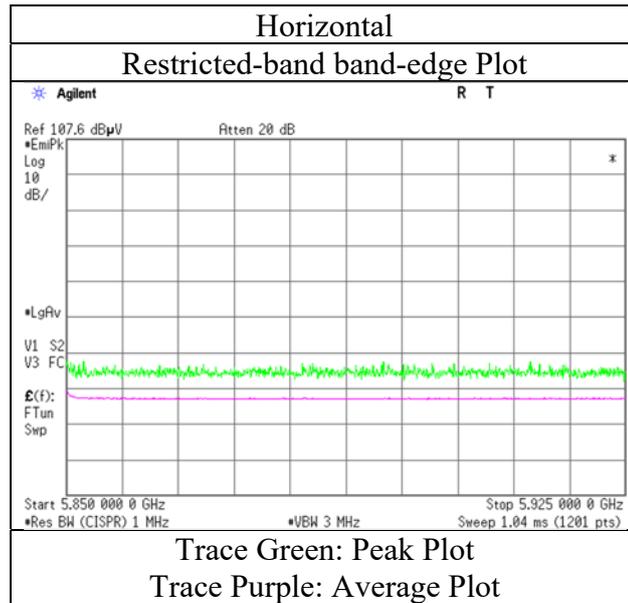
Distance factor:

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 6, 2020
Temperature / Humidity 20 deg. C / 27 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5825 MHz (242-tone RU)

RU Index 61



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (26-tone RU)

RU Index 0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.4	31.7	5.9	31.8	-	46.2	73.9	27.7	
Hori.	5150.000	AV	32.1	31.7	5.9	31.8	0.2	38.1	53.9	15.8	*1)
Vert.	5150.000	PK	40.5	31.7	5.9	31.8	-	46.3	73.9	27.6	
Vert.	5150.000	AV	32.2	31.7	5.9	31.8	0.2	38.2	53.9	15.7	*1)

Result = 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).

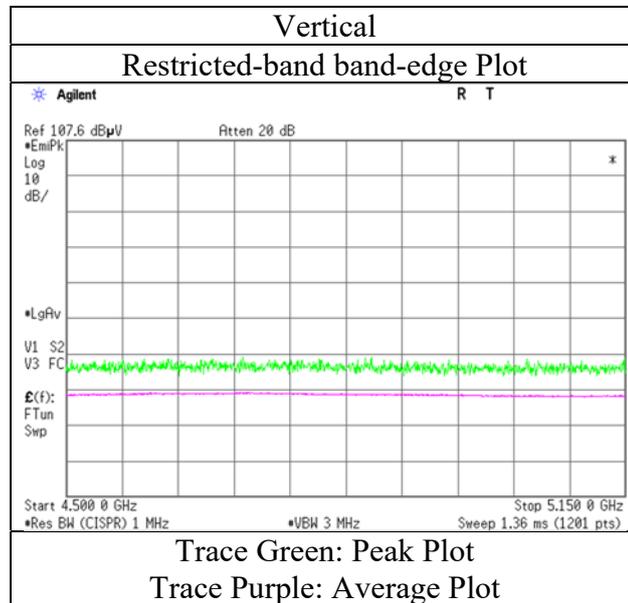
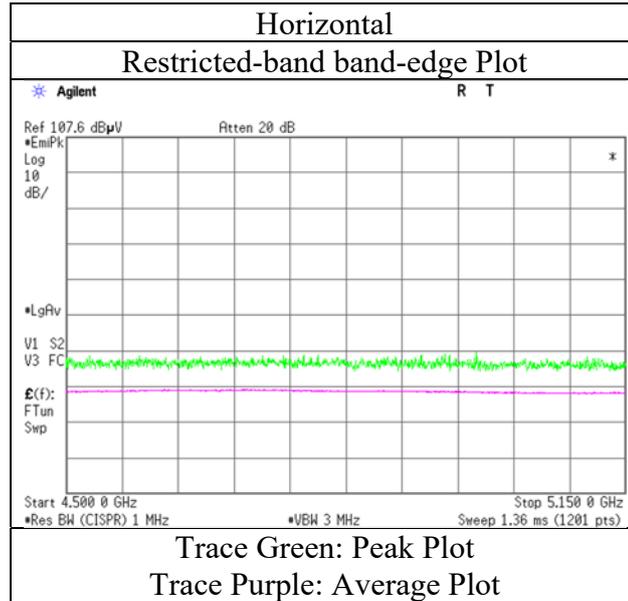
Distance factor: 1 GHz - 10 GHz 20log(3.9 m / 3.0 m) = 2.28 dB

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

Radiated Spurious Emission
 (PIFA Antenna)

Report No. 13170804H
 Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
 Date February 21, 2020
 Temperature / Humidity 23 deg. C / 28 % RH
 Engineer Yuta Moriya
 (1 GHz - 10 GHz)
 Mode Tx 11ax-40 5190 MHz (26-tone RU)

RU Index 0



* 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.

UL Japan, Inc.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (52-tone RU)

RU Index 37

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.4	31.7	5.9	31.8	-	46.2	73.9	27.7	
Hori.	5150.000	AV	32.2	31.7	5.9	31.8	0.2	38.2	53.9	15.7	*1)
Vert.	5150.000	PK	40.7	31.7	5.9	31.8	-	46.5	73.9	27.4	
Vert.	5150.000	AV	32.2	31.7	5.9	31.8	0.2	38.2	53.9	15.7	*1)

Result = 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).

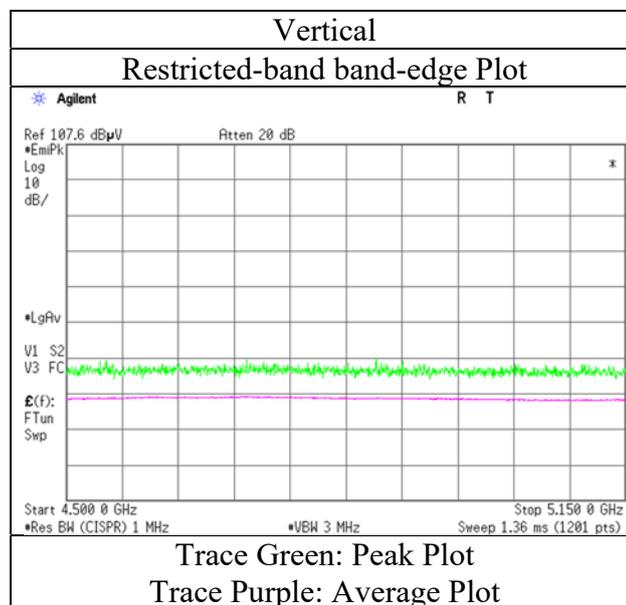
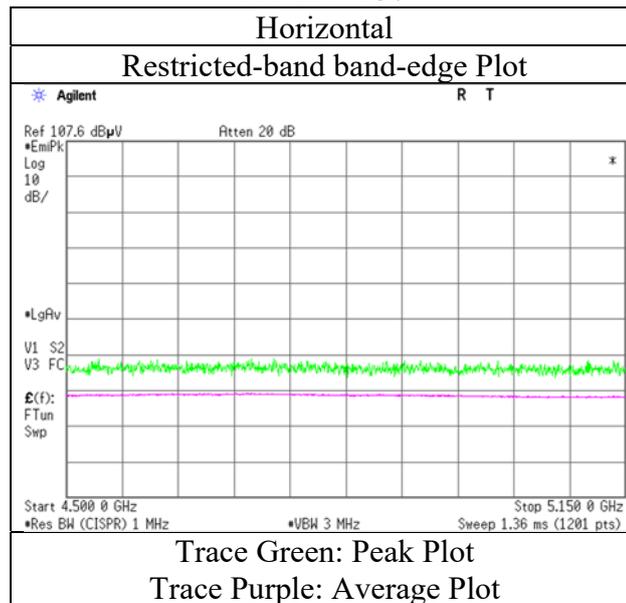
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (52-tone RU)

RU Index 37



* 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.

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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (106-tone RU)

RU Index 53

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.4	31.7	5.9	31.8	-	46.2	73.9	27.8	
Hori.	5150.000	AV	32.3	31.7	5.9	31.8	0.2	38.4	53.9	15.6	*1)
Vert.	5150.000	PK	40.7	31.7	5.9	31.8	-	46.5	73.9	27.4	
Vert.	5150.000	AV	32.6	31.7	5.9	31.8	0.2	38.6	53.9	15.3	*1)

Result = 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).

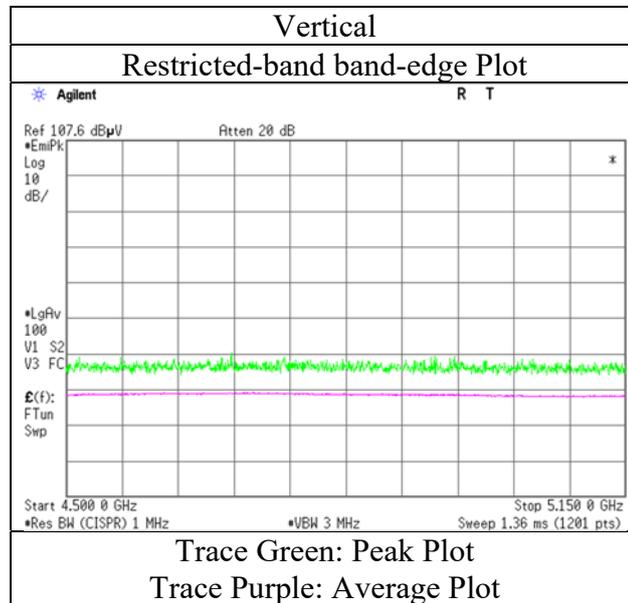
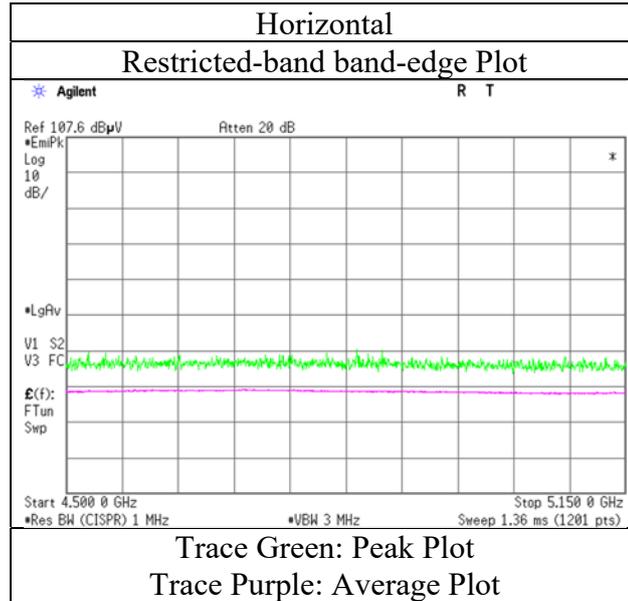
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (106-tone RU)

RU Index 53



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (242-tone RU)

RU Index 61

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	40.8	31.7	5.9	31.8	-	46.6	73.9	27.3	
Hori.	5150.000	AV	32.5	31.7	5.9	31.8	0.2	38.5	53.9	15.4	*1)
Vert.	5150.000	PK	40.9	31.7	5.9	31.8	-	46.7	73.9	27.2	
Vert.	5150.000	AV	32.7	31.7	5.9	31.8	0.2	38.7	53.9	15.2	*1)

Result = 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).

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

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

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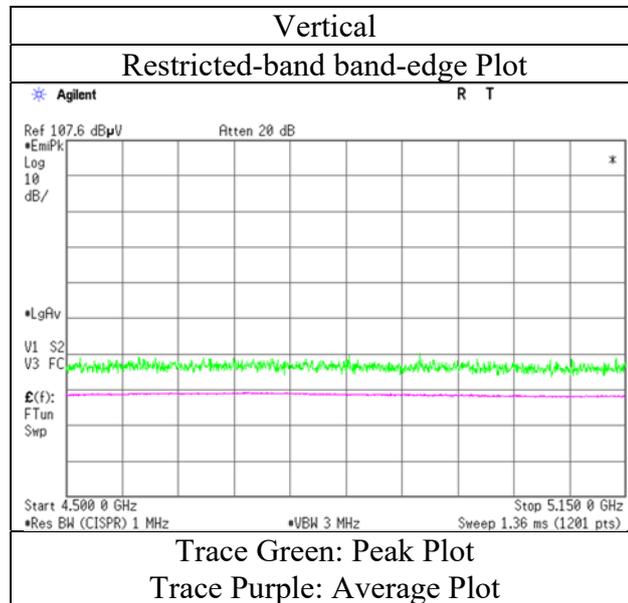
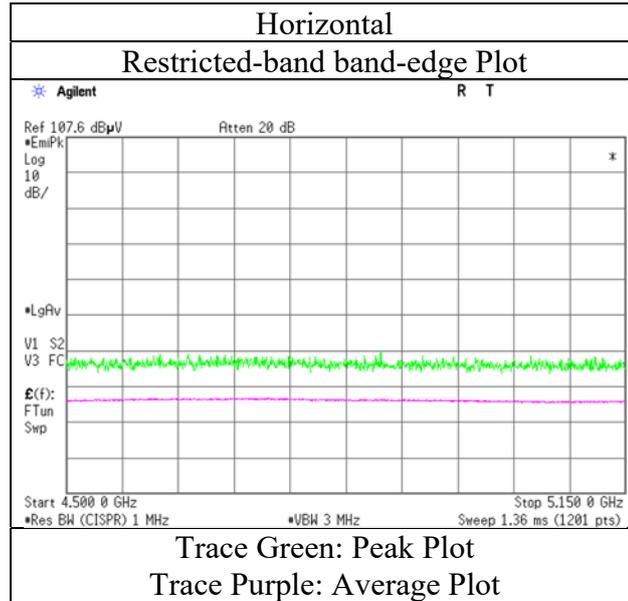
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Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (242-tone RU)

RU Index 61



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 7, 2020
Temperature / Humidity 21 deg. C / 25 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (484-tone RU)

RU Index 65

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5150.000	PK	51.6	31.7	6.0	31.6	-	57.7	73.9	16.2	
Hori.	5150.000	AV	39.4	31.7	6.0	31.6	0.3	45.7	53.9	8.2	*1)
Vert.	5150.000	PK	50.6	31.7	6.0	31.6	-	56.6	73.9	17.3	
Vert.	5150.000	AV	40.2	31.7	6.0	31.6	0.3	46.5	53.9	7.5	*1)

Result = 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).

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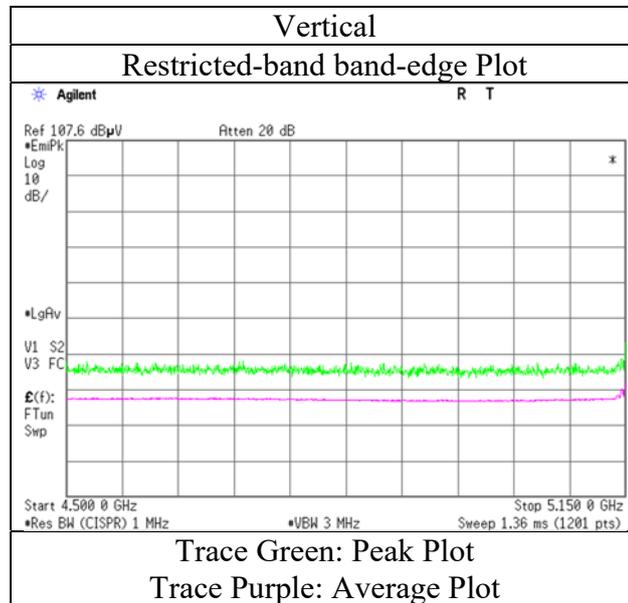
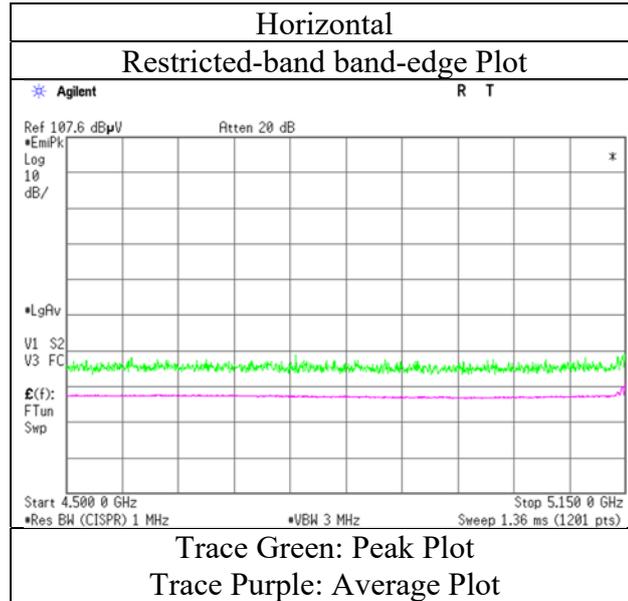
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date April 7, 2020
Temperature / Humidity 21 deg. C / 25 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5190 MHz (484-tone RU)

RU Index 65



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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5310 MHz (26-tone RU)

RU Index 17

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	40.7	31.5	6.0	31.8	-	46.3	73.9	27.6	
Hori.	5350.000	AV	30.6	31.5	6.0	31.8	2.3	38.5	53.9	15.4	*1)
Vert.	5350.000	PK	40.7	31.5	6.0	31.8	-	46.2	73.9	27.7	
Vert.	5350.000	AV	30.7	31.5	6.0	31.8	2.3	38.6	53.9	15.3	*1)

Result = 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).

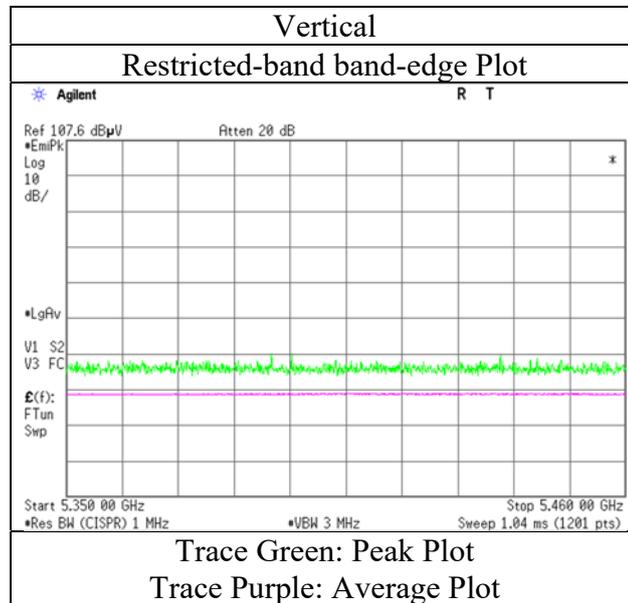
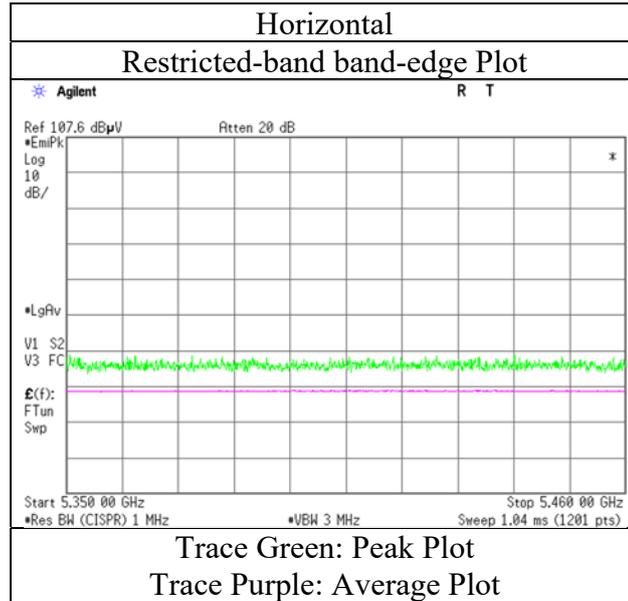
Distance factor: 1 GHz - 10 GHz $20\log(3.9\text{ m} / 3.0\text{ m}) = 2.28\text{ dB}$

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

Radiated Spurious Emission
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5310 MHz (26-tone RU)

RU Index 17



* 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
(PIFA Antenna)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Semi Anechoic Chamber
Date February 21, 2020
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5310 MHz (52-tone RU)

RU Index 44

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	5350.000	PK	41.0	31.5	6.0	31.8	-	46.6	73.9	27.3	
Hori.	5350.000	AV	30.7	31.5	6.0	31.8	2.3	38.5	53.9	15.4	*1)
Vert.	5350.000	PK	40.7	31.5	6.0	31.8	-	46.3	73.9	27.6	
Vert.	5350.000	AV	30.9	31.5	6.0	31.8	2.3	38.8	53.9	15.1	*1)

Result = 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).

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

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