



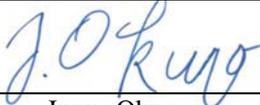
RADIO TEST REPORT

Test Report No. : 13671150H-B-R1

Applicant : Sony Interactive Entertainment Inc.
Type of EUT : Wireless communication module
Model Number of EUT : J20H100
FCC ID : AK8M19DFR1
Test regulation : FCC Part 15 Subpart E: 2021
Class II Permissive Change
*WLAN (5 GHz band) part
(Radiated Spurious Emission test only)
Test Result : Complied (Refer to SECTION 3.2)

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2. The results in this report apply only to the sample tested.
3. This sample tested is in compliance with the limits of the above regulation.
4. The test results in this test report are traceable to the national or international standards.
5. This test report must not be used by the customer to claim product certification, approval, or endorsement by the A2LA accreditation body.
6. This test report covers Radio technical requirements.
It does not cover administrative issues such as Manual or non-Radio test related Requirements. (if applicable)
7. The all test items in this test report are conducted by UL Japan, Inc. Ise EMC Lab.
8. The opinions and the interpretations to the result of the description in this report are outside scopes where UL Japan has been accredited.
9. The information provided from the customer for this report is identified in Section 1.
10. This report is a revised version of 13671150H-B. 13671150H-B is replaced with this report.

Date of test: January 21 to March 9, 2021

Representative test engineer: 
Junya Okuno
Engineer
Consumer Technology Division

Approved by: 
Takayuki Shimada
Leader
Consumer Technology Division



CERTIFICATE 5107.02

- The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan.
 There is no testing item of "Non-accreditation".

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REVISION HISTORY

Original Test Report No.: 13671150H-B

Revision	Test report No.	Date	Page revised	Contents
- (Original)	13671150H-B	March 22, 2021	-	-
1	13671150H-B	April 8, 2021	P240	Corrected Last Calibration Date of MCC-216: 02/18/2020 → 02/03/2021

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Reference: Abbreviations (Including words undescribed in this report)

A2LA	The American Association for Laboratory Accreditation	MCS	Modulation and Coding Scheme
AC	Alternating Current	MRA	Mutual Recognition Arrangement
AFH	Adaptive Frequency Hopping	N/A	Not Applicable
AM	Amplitude Modulation	NIST	National Institute of Standards and Technology
Amp, AMP	Amplifier	NS	No signal detect.
ANSI	American National Standards Institute	NSA	Normalized Site Attenuation
Ant, ANT	Antenna	NVLAP	National Voluntary Laboratory Accreditation Program
AP	Access Point	OBW	Occupied Band Width
ASK	Amplitude Shift Keying	OFDM	Orthogonal Frequency Division Multiplexing
Atten., ATT	Attenuator	P/M	Power meter
AV	Average	PCB	Printed Circuit Board
BPSK	Binary Phase-Shift Keying	PER	Packet Error Rate
BR	Bluetooth Basic Rate	PHY	Physical Layer
BT	Bluetooth	PK	Peak
BT LE	Bluetooth Low Energy	PN	Pseudo random Noise
BW	BandWidth	PRBS	Pseudo-Random Bit Sequence
Cal Int	Calibration Interval	PSD	Power Spectral Density
CCK	Complementary Code Keying	QAM	Quadrature Amplitude Modulation
Ch., CH	Channel	QP	Quasi-Peak
CISPR	Comite International Special des Perturbations Radioelectriques	QPSK	Quadri-Phase Shift Keying
CW	Continuous Wave	RBW	Resolution Band Width
DBPSK	Differential BPSK	RDS	Radio Data System
DC	Direct Current	RE	Radio Equipment
D-factor	Distance factor	RF	Radio Frequency
DFS	Dynamic Frequency Selection	RMS	Root Mean Square
DQPSK	Differential QPSK	RSS	Radio Standards Specifications
DSSS	Direct Sequence Spread Spectrum	Rx	Receiving
EDR	Enhanced Data Rate	SA, S/A	Spectrum Analyzer
EIRP, e.i.r.p.	Equivalent Isotropically Radiated Power	SG	Signal Generator
EMC	ElectroMagnetic Compatibility	SVSWR	Site-Voltage Standing Wave Ratio
EMI	ElectroMagnetic Interference	TR	Test Receiver
EN	European Norm	Tx	Transmitting
ERP, e.r.p.	Effective Radiated Power	VBW	Video BandWidth
EU	European Union	Vert.	Vertical
EUT	Equipment Under Test	WLAN	Wireless LAN
Fac.	Factor		
FCC	Federal Communications Commission		
FHSS	Frequency Hopping Spread Spectrum		
FM	Frequency Modulation		
Freq.	Frequency		
FSK	Frequency Shift Keying		
GFSK	Gaussian Frequency-Shift Keying		
GNSS	Global Navigation Satellite System		
GPS	Global Positioning System		
Hori.	Horizontal		
ICES	Interference-Causing Equipment Standard		
IEC	International Electrotechnical Commission		
IEEE	Institute of Electrical and Electronics Engineers		
IF	Intermediate Frequency		
ILAC	International Laboratory Accreditation Conference		
ISED	Innovation, Science and Economic Development Canada		
ISO	International Organization for Standardization		
JAB	Japan Accreditation Board		
LAN	Local Area Network		
LIMS	Laboratory Information Management System		

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SECTION 1: Customer information

Company Name	Sony Interactive Entertainment Inc.
Brand Name	SONY
Address	1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan
Telephone Number	+81-50-3807-5639
Facsimile Number	+81-50-3807-9594
Contact Person	Miho Nakamura

***Remarks:**

Sony Interactive Entertainment Inc. designates Foxconn Industrial Internet Co Ltd as manufacturer of the product (Wireless communication module).

The information provided from the customer is as follows;

- Applicant, Type of EUT, Model Number of EUT, FCC ID on the cover and other relevant pages
 - Operating/Test Mode(s) (Mode(s)) on all the relevant pages
 - SECTION 1: Customer information
 - SECTION 2: Equipment under test (EUT) other than the Receipt Date
 - SECTION 4: Operation of EUT during testing
- * The laboratory is exempted from liability of any test results affected from the above information in SECTION 2 and 4.

SECTION 2: Equipment under test (EUT)

2.1 Identification of EUT

Type	Wireless communication module
Model Number	J20H100
Serial Number	Refer to SECTION 4.2
Country of Manufacture	China
Receipt Date	January 12, 2021
Condition	Engineering prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No modification by the test lab.

2.2 Product Description

Model: J20H100 (referred to as the EUT in this report) is a Wireless communication module.

Product Specification

Operating Temperature	-5 deg. C to 85 deg. C
Power Supply	DC 3.3 V, DC 1.8 V

Radio Specification

WLAN (IEEE802.11b/11g/11n-20/11ax-20)

Equipment Type	Transceiver	
Frequency of Operation	2412 MHz to 2462 MHz	
Type of Modulation	DSSS, OFDM	
	OFDMA (IEEE802.11ax only)	20 MHz: 26/52/106/242-tone RU
Bandwidth & Channel spacing	Less than 20 MHz & 5 MHz	
Method of frequency generation	Synthesizer	
Antenna Type	IFA	
Antenna Gain: G _{ANT}	Antenna 1: 4.0 dBi Antenna 2: 3.5 dBi	
Directional Gain *1)	6.76 dBi	
Maximum clock frequency	320 MHz	

WLAN (IEEE802.11a/11n-20/11ac-20/11ax-20/11n-40/11ac-40/11ax-40/11ac-80/11ax-80)

Equipment Type	Transceiver	
Frequency of Operation	20 M Band: 5180 MHz to 5240 MHz 5260 MHz to 5320 MHz 5500 MHz to 5720 MHz 5745 MHz to 5825 MHz	
	40 M Band: 5190 MHz to 5230 MHz 5270 MHz to 5310 MHz 5510 MHz to 5710 MHz 5755 MHz to 5795 MHz	
	80 M Band: 5210 MHz 5290 MHz 5530 MHz to 5690 MHz 5775 MHz	
Type of Modulation	OFDM	
	OFDMA (IEEE802.11ax only)	20 MHz: 26/52/106/242-tone RU
		40 MHz: 26/52/106/242/484-tone RU 80 MHz: 26/52/106/242/484/996-tone RU
Bandwidth & Channel spacing	Less than 20 MHz / 40 MHz / 80 MHz & 20 MHz / 40 MHz / 80 MHz	
Method of frequency generation	Synthesizer	
Antenna Type	IFA	PIFA
Antenna Gain: G _{ANT}	Antenna 1: 6.0 dBi	Antenna 3: 4.5 dBi
Directional Gain *1)	8.29 dBi	
Maximum clock frequency	512 MHz	

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BT1: Bluetooth (BR / EDR / Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	BT: FHSS (GFSK, $\pi/4$ DQPSK, 8DPSK) BT LE: GFSK
Bandwidth / Channel spacing	BT: 79 MHz / 1 MHz BT LE: 1 MHz & 2 MHz / 2 MHz
Method of frequency generation	Synthesizer
Antenna Type	PIFA
Antenna Gain	Antenna 3: 5.8 dBi
Maximum clock frequency	128 MHz

BT2: Bluetooth (BR / EDR / Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	BT: FHSS (GFSK, $\pi/4$ DQPSK, 8DPSK) BT LE: GFSK
Bandwidth / Channel spacing	BT: 79 MHz / 1 MHz BT LE: 1 MHz & 2 MHz / 2 MHz
Method of frequency generation	Synthesizer
Antenna Type	PIFA
Antenna Gain	Antenna 4: 5.8 dBi
Maximum clock frequency	128 MHz

*1) Directional antenna gain = $10 \log \left(\left(10^{\frac{G_{ANT1}}{20}} + 10^{\frac{G_{ANT2}}{20}} \right)^2 / 2 \right)$

*This test report applies to WLAN (5 GHz band) part.

2.3 Contents of modification

Each antenna was changed from original application.

SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification : FCC Part 15 Subpart E
FCC Part 15 final revised on January 12, 2021 and effective February 11, 2021

Title : FCC 47 CFR Part 15 Radio Frequency Device Subpart E
Unlicensed National Information Infrastructure Devices
Section 15.407 General technical requirements

* The revision does not affect the test result conducted before its effective date.

3.2 Procedures and results

Item	Test Procedure	Specification	Worst margin	Results	Remarks
Spurious Emission Restricted Band Edge	FCC: ANSI C63.10-2013 KDB Publication Number 789033 ----- ISED: -	FCC: 15.407 (b), 15.205 and 15.209 ----- ISED: RSS-247 6.2.1.2 6.2.2.2 6.2.3.2 6.2.4.2	3.5 dB 5350.000 MHz, AV, Horizontal	Complied# a)	Radiated (> 30 MHz) *1)
Note: UL Japan, Inc.'s EMI Work Procedures No. 13-EM-W0420 and 13-EM-W0422.					
*1) Radiated test was selected over 30 MHz based on FCC 15.407 (b) and KDB 789033 D02 G.3.b).					
a) Refer to APPENDIX 1 (data of Radiated Spurious Emission)					
Symbols:					
Complied The data of this test item has enough margin, more than the measurement uncertainty.					
Complied# The data of this test item meets the limits unless the measurement uncertainty is taken into consideration.					

* In case any questions arise about test procedure, ANSI C63.10: 2013 is also referred.

FCC Part 15.31 (e)

The stable voltage will be supplied by the end product, which will be required to have a power supply regulator. Therefore, the EUT complies with the requirement.

FCC Part 15.203/212 Antenna requirement

[Antenna 1 and 2] The antenna is not removable from the EUT.

[Antenna 3 and 4] The EUT has a unique coupling/antenna connector (U.FL).

Therefore, the equipment complies with the antenna requirement of Section 15.203.

3.3 Addition to standard

No addition, exclusion nor deviation has been made from the standard.

3.4 Uncertainty

There is no applicable rule of uncertainty in this applied standard. Therefore, the following results are derived depending on whether or not laboratory uncertainty is applied.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor $k=2$.
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Radiated emission

Measurement distance	Frequency range	Uncertainty (+/-)
3 m	9 kHz to 30 MHz	3.3 dB
10 m		3.2 dB
3 m	30 MHz to 200 MHz (Horizontal) (Vertical)	4.8 dB
		5.0 dB
	200 MHz to 1000 MHz (Horizontal) (Vertical)	5.2 dB
		6.3 dB
10 m	30 MHz to 200 MHz (Horizontal) (Vertical)	4.8 dB
		4.8 dB
	200 MHz to 1000 MHz (Horizontal) (Vertical)	5.0 dB
		5.0 dB
3 m	1 GHz to 6 GHz	4.9 dB
	6 GHz to 18 GHz	5.2 dB
1 m	10 GHz to 26.5 GHz	5.5 dB
	26.5 GHz to 40 GHz	5.5 dB
0.5 m	26.5 GHz to 40 GHz	5.5 dB
10 m	1 GHz to 18 GHz	5.2 dB

3.5 Test Location

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*A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 199967

ISED Lab Company Number: 2973C / CAB identifier: JP0002

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Test site	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms	Maximum measurement distance
No.1 semi-anechoic chamber	19.2 x 11.2 x 7.7	7.0 x 6.0	No.1 Power source room	10 m
No.2 semi-anechoic chamber	7.5 x 5.8 x 5.2	4.0 x 4.0	-	3 m
No.3 semi-anechoic chamber	12.0 x 8.5 x 5.9	6.8 x 5.75	No.3 Preparation room	3 m
No.3 shielded room	4.0 x 6.0 x 2.7	N/A	-	-
No.4 semi-anechoic chamber	12.0 x 8.5 x 5.9	6.8 x 5.75	No.4 Preparation room	3 m
No.4 shielded room	4.0 x 6.0 x 2.7	N/A	-	-
No.5 semi-anechoic chamber	6.0 x 6.0 x 3.9	6.0 x 6.0	-	-
No.5 measurement room	6.4 x 6.4 x 3.0	6.4 x 6.4	-	-
No.6 shielded room	4.0 x 4.5 x 2.7	4.0 x 4.5	-	-
No.6 measurement room	4.75 x 5.4 x 3.0	4.75 x 4.15	-	-
No.7 shielded room	4.7 x 7.5 x 2.7	4.7 x 7.5	-	-
No.8 measurement room	3.1 x 5.0 x 2.7	3.1 x 5.0	-	-
No.9 measurement room	8.8 x 4.6 x 2.8	2.4 x 2.4	-	-
No.11 measurement room	6.2 x 4.7 x 3.0	4.8 x 4.6	-	-

* Size of vertical conducting plane (for Conducted Emission test) : 2.0 x 2.0 m for No.1, No.2, No.3, and No.4 semi-anechoic chambers and No.3 and No.4 shielded rooms.

3.6 Test data, Test instruments, and Test set up

Refer to APPENDIX.

SECTION 4: Operation of EUT during testing

4.1 Operating Mode(s)

Test operating mode was determined as follows according to “Section 1 of 6 802.11 a/b/g/n testing - Managing Complex Regulatory Approvals -” of TCB Council Workshop October 2009 and also was judged the necessity of 802.11ac mode by the pre-test.

Mode	Remarks*
IEEE 802.11ax MIMO 20 MHz BW (11ax-20)	MCS 9 (2TX), PN9
IEEE 802.11ax MIMO 40 MHz BW (11ax-40)	MCS 10 (2TX), PN9
IEEE 802.11ax MIMO 80 MHz BW (11ax-80)	MCS 10 (1TX), PN9
*The worst antenna and condition was determined based on the test result of Maximum Conducted Output Power.	
*Power of the EUT was set by the software as follows; - Power Setting: See the table below - Software: Dut Labtool - Version: 1.0.0.100 (Date: December 30, 2020, Storage location: Driven by connected PC)	
*This setting of software is the worst case. Any conditions under the normal use do not exceed the condition of setting. In addition, end users cannot change the settings of the output power of the product.	

High Power Setting

		W52			W53/W56/W58		
		20 MHz BW	40 MHz BW	80 MHz BW	20 MHz BW	40 MHz BW	80 MHz BW
OFDM		6.5			8.0		
OFDMA	26-tone RU	-3.5	-6.5	-10.0	-2.0	-5.0	-8.0
	52-tone RU	-0.5	-3.5	-7	1.0	-2.0	-5.0
	106-tone RU	3.0	0	-4	4.5	1.0	-2.0
	242-tone RU	6.5	4	0	8.0	5.0	2.0
	484-tone RU	-	6.5	3.0	-	8.0	5.0
	996-tone RU	-	-	6.5	-	-	8.0

(dBm)

*The details of Operation mode(s)

Test Item	Operating Mode	Tested Antenna	Tested Frequency			
			Lower Band	Middle Band	Additional Band	Upper Band
Radiated Spurious Emission (Below 1 GHz)	11ax-40 OFDM Tx *1)	Antenna 1 + 3	-	-	-	5755 MHz
Radiated Spurious Emission (Above 1 GHz)	11ax-20 OFDMA Tx *2)	Antenna 1 + 3	5180 MHz	5260 MHz	5500 MHz	5745 MHz
	11ax-20 OFDM Tx *3)			5320 MHz	5580 MHz	5785 MHz
	11ax-40 OFDMA Tx *2)		5190 MHz	5270 MHz	5510 MHz	5755 MHz
	11ax-40 OFDM Tx *3)			5310 MHz	5550 MHz	5795 MHz
	11ax-80 OFDMA Tx *2)	5210 MHz	5290 MHz	5530 MHz	5775 MHz	
	11ax-80 OFDM Tx *3)			5610 MHz	5775 MHz	

*1) The mode was tested as a representative, because it had the highest power at antenna terminal test.
*2) OFDMA configuration tests were conducted only at the band edge since they had lower power and density than OFDM.
*3) Since each of 20 MHz BW (11n-20 / 11ac-20 / 11ax-20), 40 MHz BW (11n-40 / 11ac-40 / 11ax-40) and 80 MHz BW (11ac-80 / 11ax-80) have the same modulation method and no differences in transmitting specification, the test was performed on the representative mode that had the highest output power.

Simultaneous transmission (Only Antenna 3 simultaneously transmits BT1 and WLAN 5 GHz on a single antenna.)

Test Item	Mode *1)	Antenna type
Radiated Spurious Emission	Tx 11ax-80 5530 MHz (OFDM) + BT1 3DH5 Hopping	PIFA + IFA

*1) The test was performed on the mode as a representative, because it had the highest power of BT1 at antenna terminal test.

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4.2 Configuration and peripherals

This page has been submitted for a separate exhibit.

SECTION 5: Radiated Spurious Emission and Band Edge Compliance

Test Procedure

< Below 1GHz >

EUT was placed on a urethane platform of nominal size, 0.5 m by 1.0 m, raised 0.8 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with a ground plane.

< Above 1GHz >

EUT was placed on a urethane platform of nominal size, 0.5 m by 0.5 m, raised 1.5 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with absorbent materials lined on a ground plane.

The height of the measuring antenna varied between 1 m and 4 m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field strength.

Test antenna was aimed at the EUT for receiving the maximum signal and always kept within the illumination area of the 3 dB beamwidth of the antenna.

The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver, or the Spectrum Analyzer.

The measurements were made with the following detector function of the test receiver and the Spectrum analyzer (in linear mode).

The test was made with the detector (RBW/VBW) in the following table.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

< Below 1GHz >

The result also satisfied with the general limits specified in section 15.209 (a).

< Above 1GHz >

Inside of restricted bands (Section 15.205):

Apply to limit in the Section 15.209 (a).

Outside of the restricted bands:

Apply to limit 68.2 dBuV/m, 3 m (-27 dBm e.i.r.p. *) in the Section 15.407 (b) (1) (2) (3).

For W58 Bandedge

-27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge in the section 15.407(b)(4)(i).

Restricted band edge:

Apply to limit in the Section 15.209 (a).

Since this limit is severer than the limit of the inside of restricted bands.

*Electric field strength to e.i.r.p. conversion:

$$E = \frac{1000000 \sqrt{30 P}}{3} \text{ (uV/m)} \quad : P \text{ is the e.i.r.p. (Watts)}$$

DDTest Antennas are used as below;

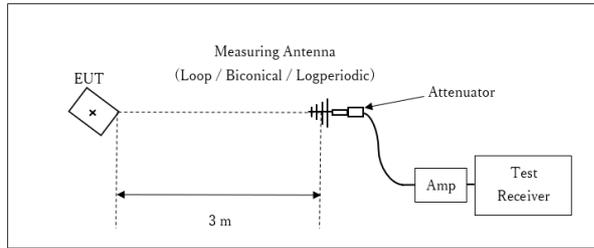
Frequency	30 MHz to 200 MHz	200 MHz to 1 GHz	Above 1 GHz
Antenna Type	Biconical	Logperiodic	Horn

Frequency	Below 1 GHz	Above 1 GHz	
Instrument used	Test Receiver	Spectrum Analyzer	
Detector	QP	Peak	Average
IF Bandwidth	BW: 120 kHz	RBW: 1 MHz VBW: 3 MHz	Method AD *1) RBW: 1 MHz VBW: 3 MHz Detector: Power Averaging (RMS) Trace: ≥ 100 traces If duty cycle was less than 98%, a duty factor was added to the results.

*1) The test method was also referred to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E".

Figure 2: Test Setup

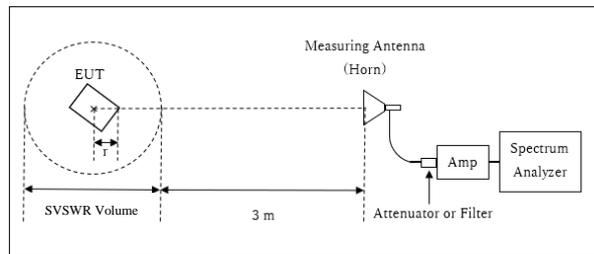
Below 1 GHz



× : Center of turn table

Test Distance: 3 m

1 GHz - 10 GHz



r : Radius of an outer periphery of EUT
 × : Center of turn table

[No.2 Semi Anechoic Chamber]

Distance Factor: $20 \times \log(3.7 \text{ m} / 3.0 \text{ m}) = 1.83 \text{ dB}$
 * Test Distance: $(3 + \text{SVSWR Volume} / 2) - r = 3.7 \text{ m}$

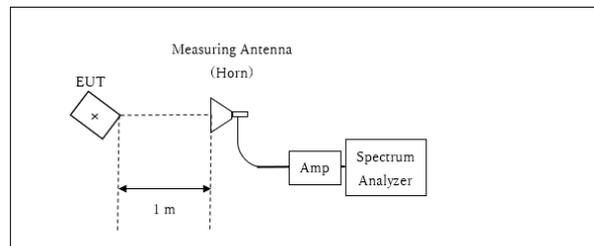
SVSWR Volume : 1.5 m
 (SVSWR Volume has been calibrated based on CISPR 16-1-4.)
 $r = 0.05 \text{ m}$

[No.1 Semi Anechoic Chamber]

Distance Factor: $20 \times \log(3.95 \text{ m} / 3.0 \text{ m}) = 2.39 \text{ dB}$
 * Test Distance: $(3 + \text{SVSWR Volume} / 2) - r = 3.95 \text{ m}$

SVSWR Volume : 2.0 m
 (SVSWR Volume has been calibrated based on CISPR 16-1-4.)
 $r = 0.05 \text{ m}$

10 GHz - 40 GHz



× : Center of turn table

Distance Factor: $20 \times \log(1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$
 *Test Distance: 1 m

- The carrier level and noise levels were confirmed at each position of X, Y and Z axes of EUT and Antenna to see the position of maximum noise, and the test was made at the position that has the maximum noise.

The test results and limit are rounded off to one decimal place, so some differences might be observed.

Measurement range : 30 MHz - 40 GHz
Test data : APPENDIX
Test result : Pass

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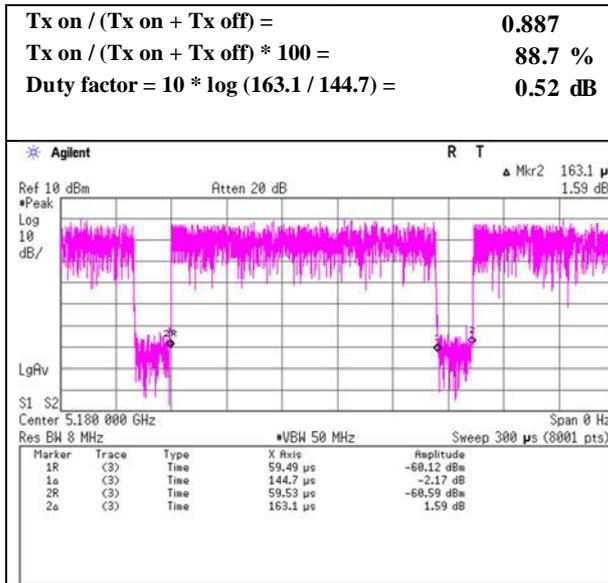
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APPENDIX 1: Test data

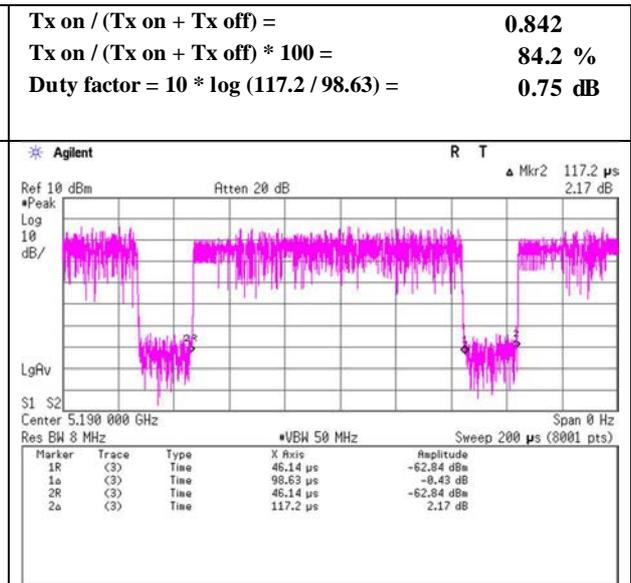
Burst rate confirmation

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 22, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Nachi Konegawa
Mode Tx

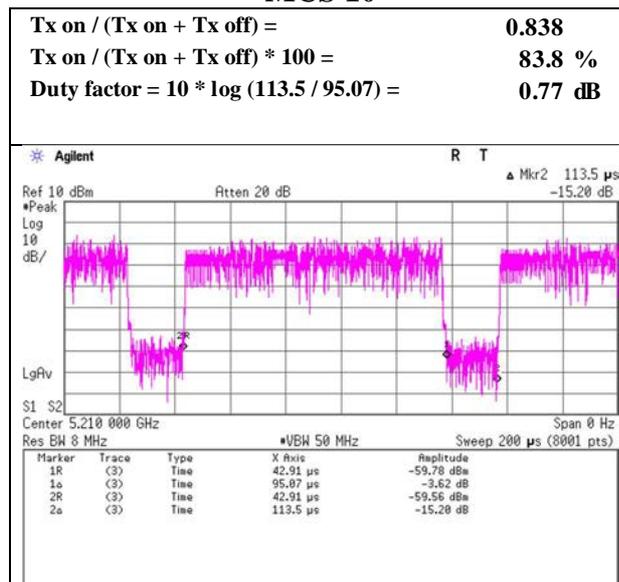
**11ax-20 (OFDM)
MCS 9**



**11ax-40 (OFDM)
MCS 10**



**11ax-80 (OFDM)
MCS 10**



* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

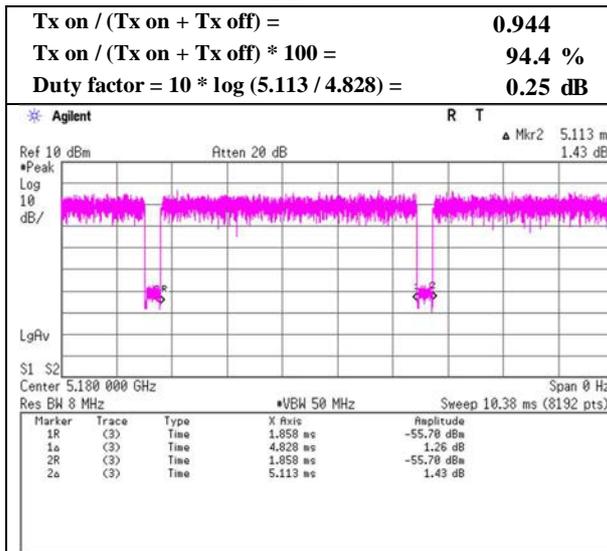
**UL Japan, Inc.
Ise EMC Lab.**

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8999
Facsimile : +81 596 24 8124

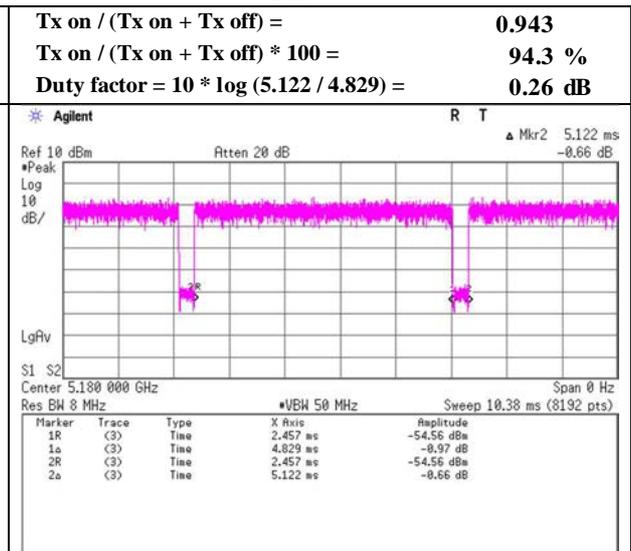
Burst rate confirmation

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx

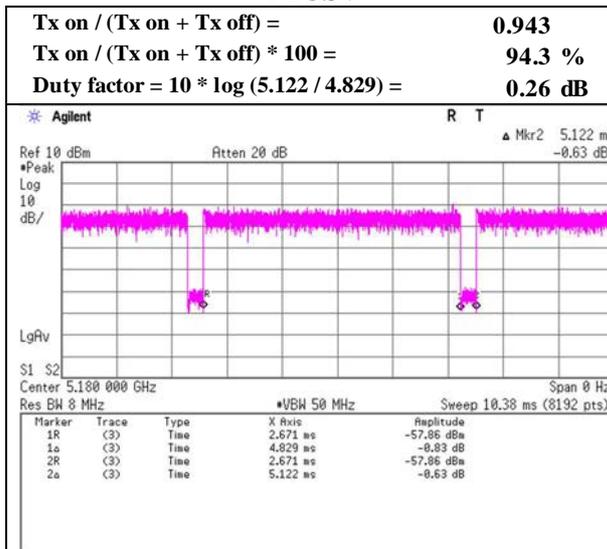
**11ax-20 (26-tone RU)
MCS 9**



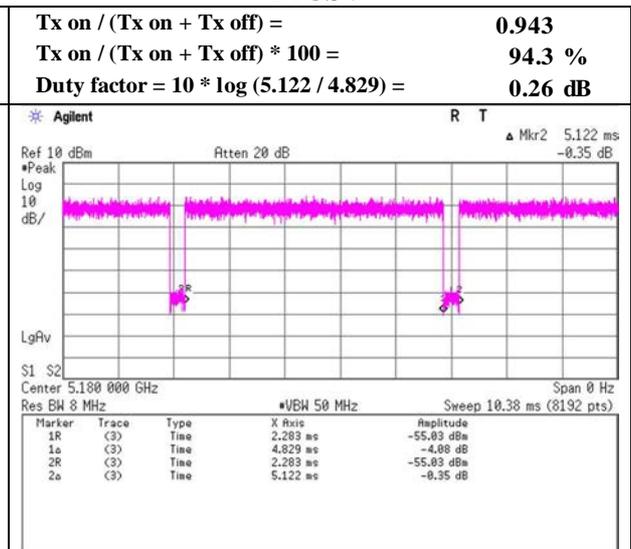
**11ax-20 (52-tone RU)
MCS 9**



**11ax-20 (106-tone RU)
MCS 9**



**11ax-20 (242-tone RU)
MCS 9**

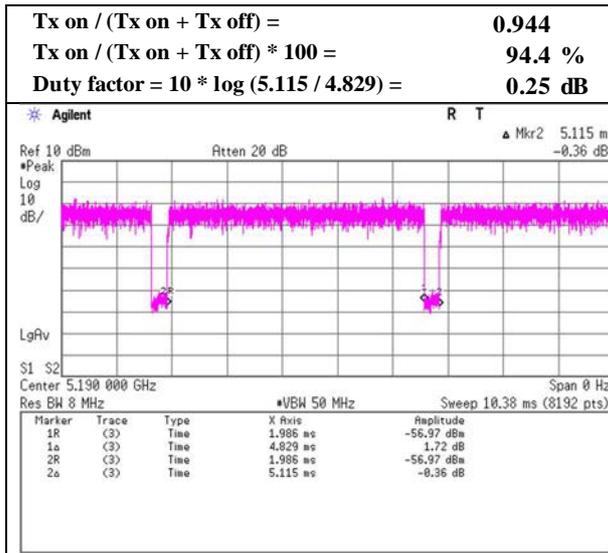


* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

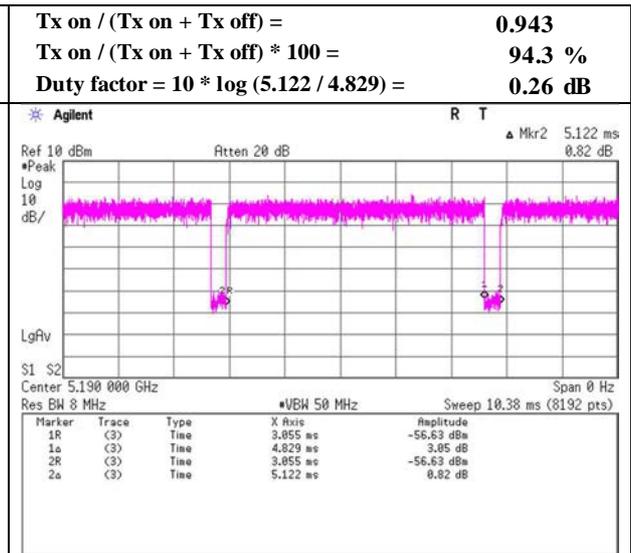
Burst rate confirmation

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx

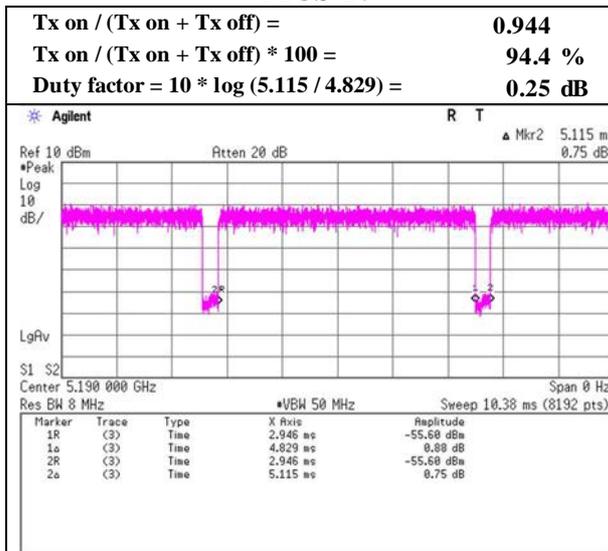
**11ax-40 (26-tone RU)
MCS 10**



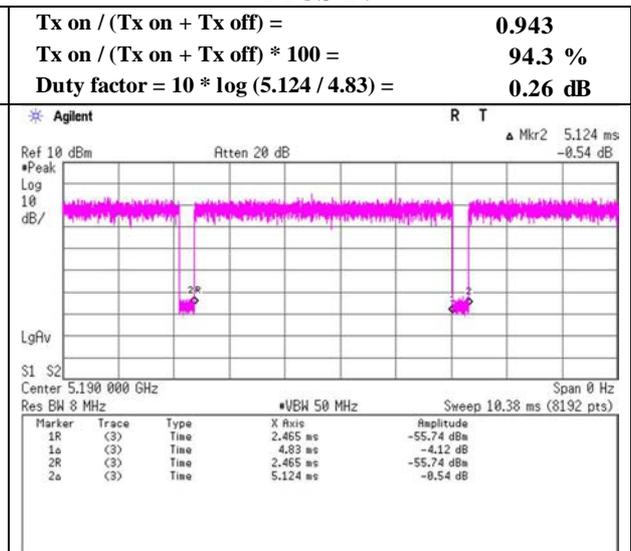
**11ax-40 (52-tone RU)
MCS 10**



**11ax-40 (106-tone RU)
MCS 10**



**11ax-20 (242-tone RU)
MCS 10**

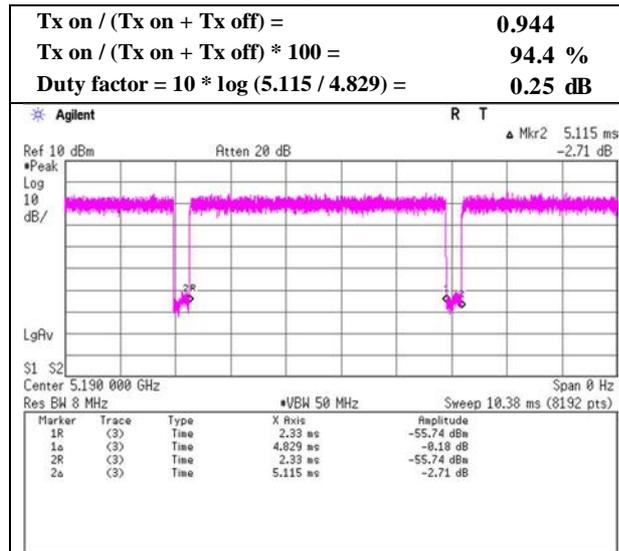


* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

Burst rate confirmation

Report No. 13671150H
 Test place Ise EMC Lab.
 Semi Anechoic Chamber No.2
 Date January 24, 2021
 Temperature / Humidity 25 deg. C / 40 % RH
 Engineer Akihiko Maeda
 Mode Tx

11ax-40 (484-tone RU) MCS 10

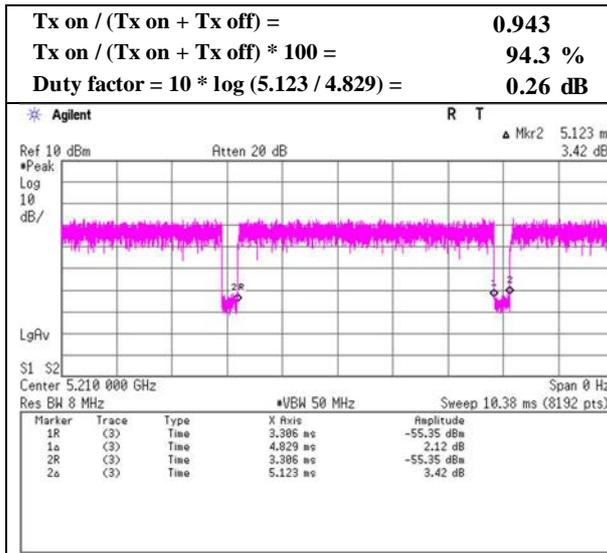


* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

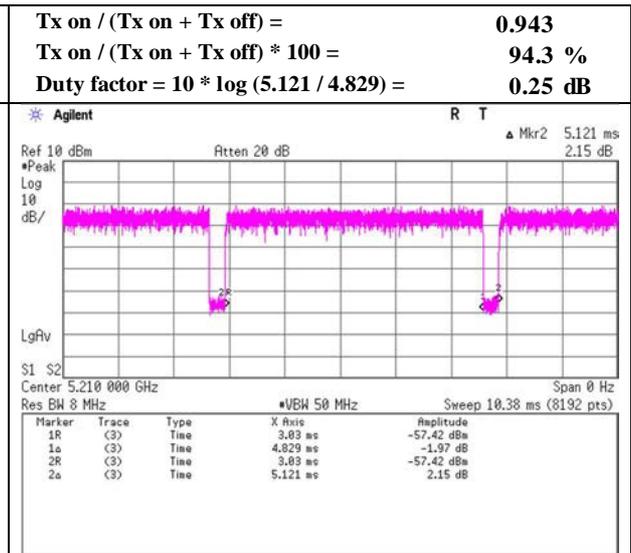
Burst rate confirmation

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx

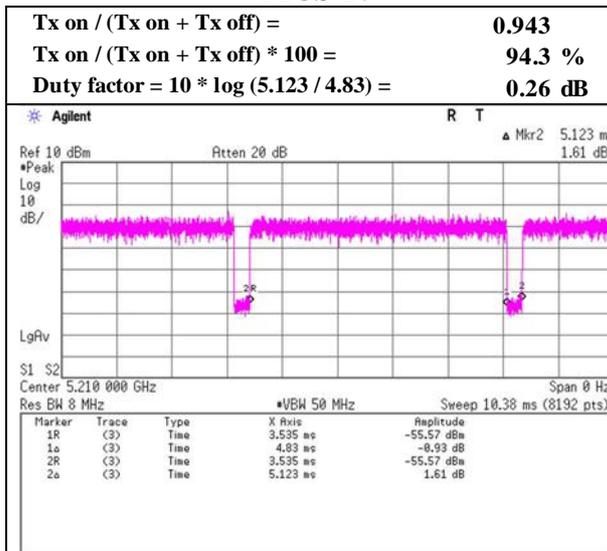
**11ax-80 (26-tone RU)
MCS 10**



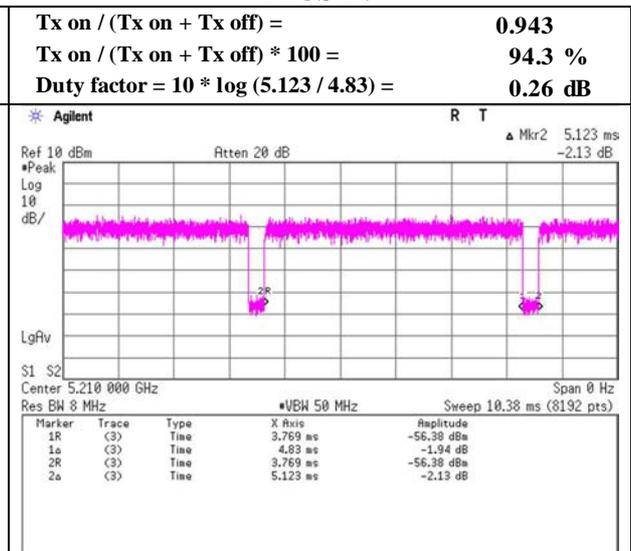
**11ax-80 (52-tone RU)
MCS 10**



**11ax-80 (106-tone RU)
MCS 10**



**11ax-80 (242-tone RU)
MCS 10**



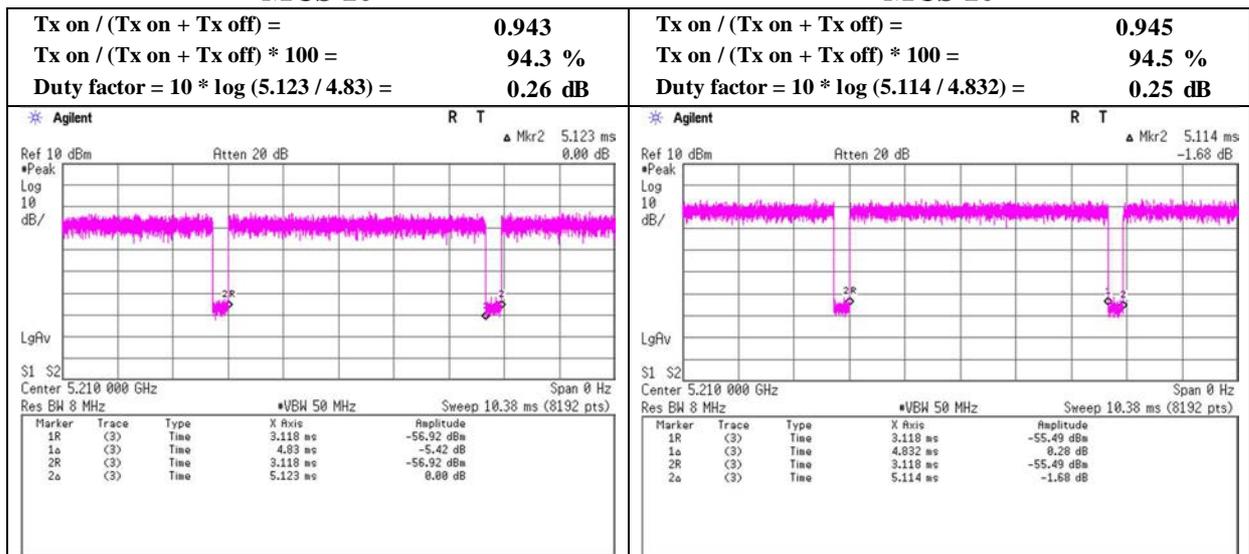
* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

Burst rate confirmation

Report No. 13671150H
 Test place Ise EMC Lab.
 Semi Anechoic Chamber No.2
 Date January 24, 2021
 Temperature / Humidity 25 deg. C / 40 % RH
 Engineer Akihiko Maeda
 Mode Tx

11ax-80 (484-tone RU) MCS 10

11ax-80 (996-tone RU) MCS 10



* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	44.0	31.9	5.4	33.7	-	47.6	73.9	26.3	
Hori.	10360.000	PK	42.2	40.2	-2.6	34.0	-	45.8	68.2	22.4	Floor noise
Hori.	15540.000	PK	44.1	37.4	-1.3	32.9	-	47.2	73.9	26.7	Floor noise
Hori.	5150.000	AV	35.5	31.9	5.4	33.7	0.5	39.6	53.9	14.3	*1)
Hori.	10360.000	AV	34.2	40.2	-2.6	34.0	-	37.8	53.9	16.1	Floor noise
Hori.	15540.000	AV	36.0	37.4	-1.3	32.9	-	39.1	53.9	14.8	Floor noise
Vert.	5150.000	PK	44.3	31.9	5.4	33.7	-	47.9	73.9	26.0	
Vert.	10360.000	PK	42.2	40.2	-2.6	34.0	-	45.8	68.2	22.4	Floor noise
Vert.	15540.000	PK	44.1	37.4	-1.3	32.9	-	47.2	73.9	26.7	Floor noise
Vert.	5150.000	AV	35.5	31.9	5.4	33.7	0.5	39.6	53.9	14.3	*1)
Vert.	10360.000	AV	34.2	40.2	-2.6	34.0	-	37.8	53.9	16.1	Floor noise
Vert.	15540.000	AV	36.0	37.4	-1.3	32.9	-	39.1	53.9	14.8	Floor noise

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

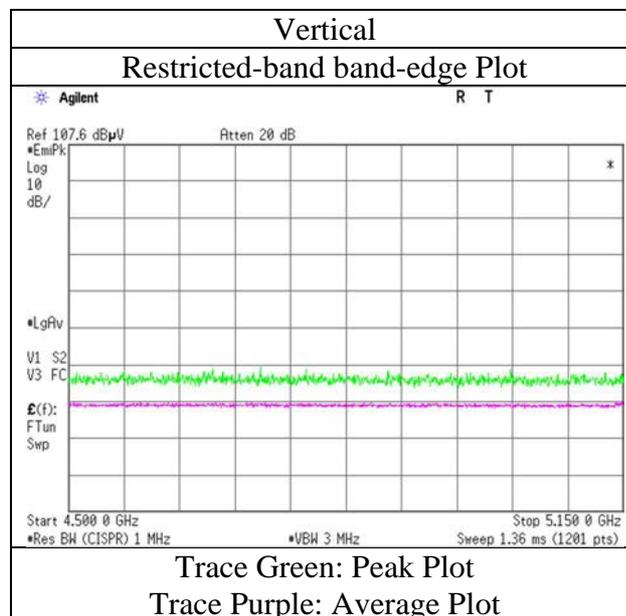
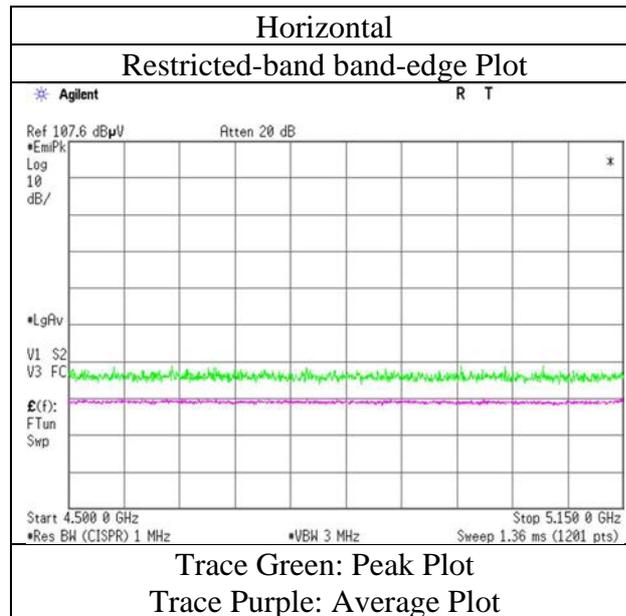
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 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

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(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

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	42.2	40.1	-2.6	33.9	-	45.8	68.2	22.4	Floor noise
Hori.	15780.000	PK	44.6	37.0	-1.3	33.1	-	47.1	73.9	26.8	Floor noise
Hori.	15780.000	AV	36.0	37.0	-1.3	33.1	-	38.5	53.9	15.4	Floor noise
Vert.	10520.000	PK	42.2	40.1	-2.6	33.9	-	45.8	68.2	22.4	Floor noise
Vert.	15780.000	PK	44.6	37.0	-1.3	33.1	-	47.1	73.9	26.8	Floor noise
Vert.	15780.000	AV	36.0	37.0	-1.3	33.1	-	38.5	53.9	15.4	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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	44.2	31.5	-5.5	33.6	-	47.6	73.9	26.3	
Hori.	10640.000	PK	42.7	40.1	-2.6	33.8	-	46.4	73.9	27.5	Floor noise
Hori.	15960.000	PK	44.3	37.6	-1.3	33.2	-	47.4	73.9	26.5	Floor noise
Hori.	5350.000	AV	35.5	31.5	-5.5	33.6	0.5	39.4	53.9	14.5	*1)
Hori.	10640.000	AV	34.8	40.1	-2.6	33.8	-	38.5	53.9	15.4	Floor noise
Hori.	15960.000	AV	36.3	37.6	-1.3	33.2	-	39.4	53.9	14.5	Floor noise
Vert.	5350.000	PK	44.4	31.5	-5.5	33.6	-	47.8	73.9	26.1	
Vert.	10640.000	PK	42.7	40.1	-2.6	33.8	-	46.4	73.9	27.5	Floor noise
Vert.	15960.000	PK	44.3	37.6	-1.3	33.2	-	47.4	73.9	26.5	Floor noise
Vert.	5350.000	AV	35.7	31.5	-5.5	33.6	0.5	39.6	53.9	14.3	*1)
Vert.	10640.000	AV	34.8	40.1	-2.6	33.8	-	38.5	53.9	15.4	Floor noise
Vert.	15960.000	AV	36.3	37.6	-1.3	33.2	-	39.4	53.9	14.5	Floor noise

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

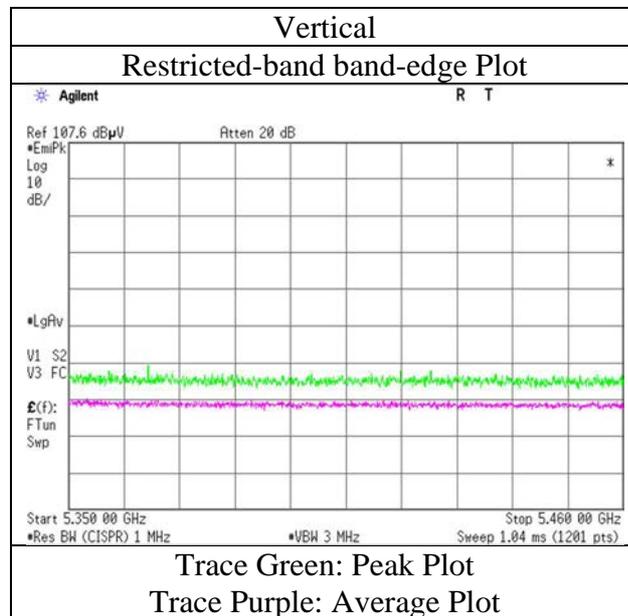
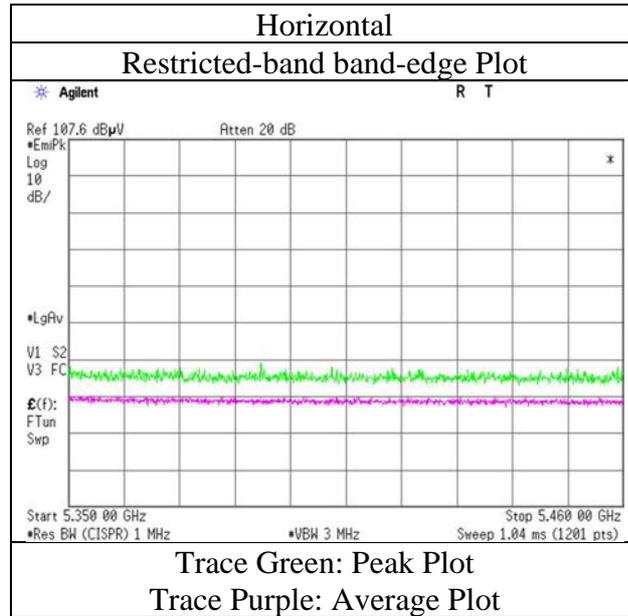
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 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

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
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.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa	Akihiko Maeda	Junya Okuno
	(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	43.0	31.7	5.5	33.5	-	46.7	68.2	21.5	
Hori.	5470.000	PK	43.5	31.7	5.5	33.5	-	47.2	68.2	21.0	
Hori.	11000.000	PK	42.8	40.3	-2.6	33.6	-	47.0	73.9	26.9	Floor noise
Hori.	16500.000	PK	45.0	39.3	-1.0	32.8	-	50.5	68.2	17.7	Floor noise
Hori.	5460.000	AV	34.7	31.7	5.5	33.5	0.5	38.9	53.9	15.0	*1)
Hori.	11000.000	AV	34.8	40.3	-2.6	33.6	-	39.0	53.9	14.9	Floor noise
Vert.	5460.000	PK	43.3	31.7	5.5	33.5	-	47.1	68.2	21.1	
Vert.	5470.000	PK	43.7	31.7	5.5	33.5	-	47.4	68.2	20.8	
Vert.	11000.000	PK	42.8	40.3	-2.6	33.6	-	47.0	73.9	26.9	Floor noise
Vert.	16500.000	PK	45.0	39.3	-1.0	32.8	-	50.5	68.2	17.7	Floor noise
Vert.	5460.000	AV	34.7	31.7	5.5	33.5	0.5	39.0	53.9	14.9	*1)
Vert.	11000.000	AV	34.8	40.3	-2.6	33.6	-	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

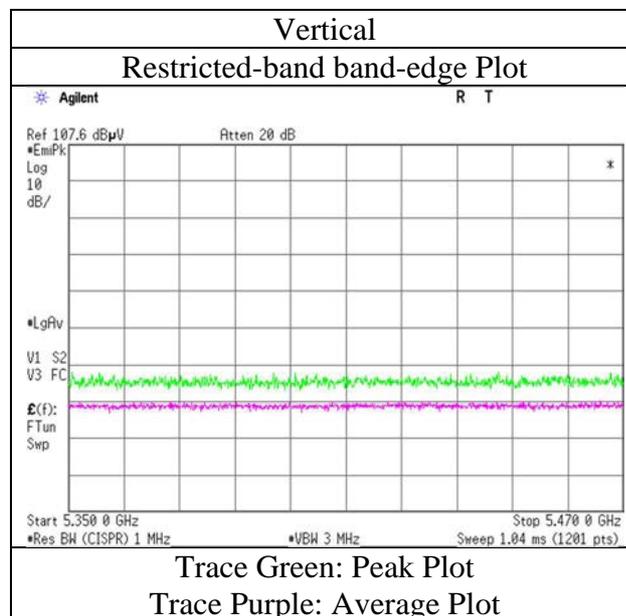
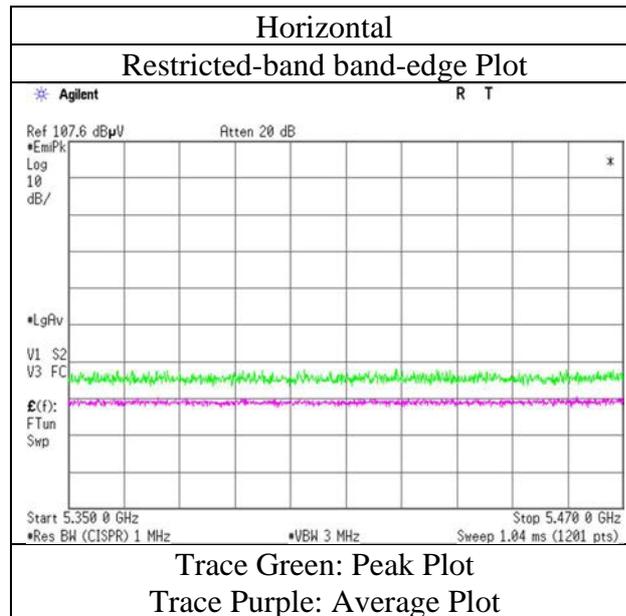
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 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

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
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.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	43.2	39.9	-2.5	33.5	-	47.1	73.9	26.9	Floor noise
Hori.	16740.000	PK	44.5	40.6	-0.9	32.6	-	51.6	68.2	16.6	Floor noise
Hori.	11160.000	AV	34.7	39.9	-2.5	33.5	-	38.6	53.9	15.4	Floor noise
Vert.	11160.000	PK	43.2	39.9	-2.5	33.5	-	47.1	73.9	26.9	Floor noise
Vert.	16740.000	PK	44.5	40.6	-0.9	32.6	-	51.6	68.2	16.6	Floor noise
Vert.	11160.000	AV	34.7	39.9	-2.5	33.5	-	38.6	53.9	15.4	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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	43.6	31.9	5.6	33.5	-	47.6	68.2	20.6	
Hori.	11400.000	PK	44.3	40.0	-2.3	33.5	-	48.5	73.9	25.4	Floor noise
Hori.	17100.000	PK	44.7	41.5	-0.7	32.4	-	53.1	68.2	15.1	Floor noise
Hori.	11400.000	AV	35.9	40.0	-2.3	33.5	-	40.1	53.9	13.8	Floor noise
Vert.	5725.000	PK	43.9	31.9	5.6	33.5	-	47.8	68.2	20.4	
Vert.	11400.000	PK	44.3	40.0	-2.3	33.5	-	48.5	73.9	25.4	Floor noise
Vert.	17100.000	PK	44.7	41.5	-0.7	32.4	-	53.1	68.2	15.1	Floor noise
Vert.	11400.000	AV	35.9	40.0	-2.3	33.5	-	40.1	53.9	13.8	Floor noise

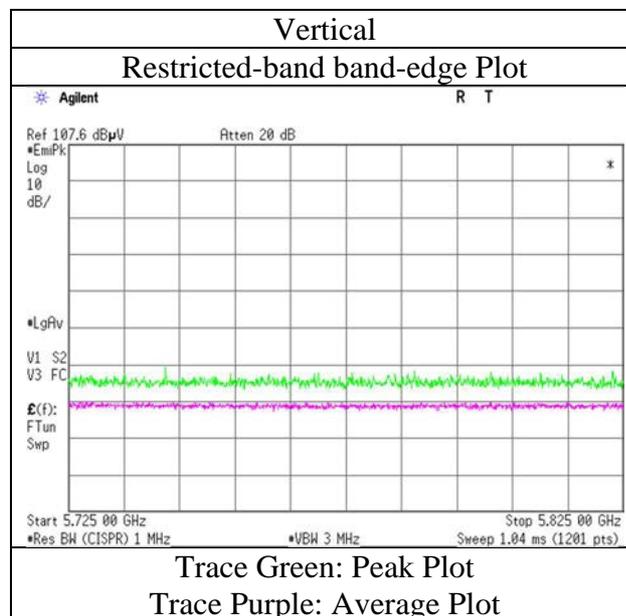
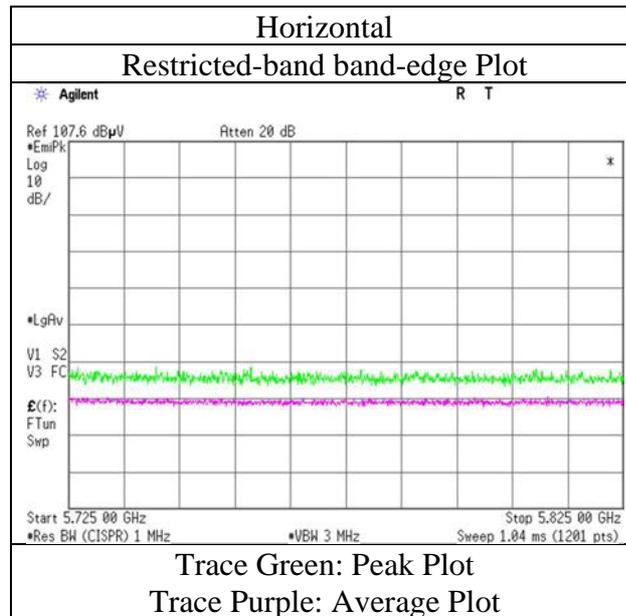
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
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.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	42.3	31.8	5.6	33.5	-	46.2	68.2	22.0	
Hori.	5700.000	PK	42.9	31.8	5.6	33.5	-	46.8	105.2	58.4	
Hori.	5720.000	PK	44.0	31.9	5.6	33.5	-	48.0	110.8	62.8	
Hori.	5725.000	PK	49.3	31.9	5.6	33.5	-	53.3	122.2	68.9	
Hori.	11490.000	PK	44.7	39.9	-2.3	33.5	-	48.9	73.9	25.0	Floor noise
Hori.	17235.000	PK	44.8	41.8	-0.7	32.4	-	53.5	68.2	14.7	Floor noise
Hori.	11490.000	AV	35.4	39.9	-2.3	33.5	-	39.6	53.9	14.3	Floor noise
Vert.	5650.000	PK	42.7	31.8	5.6	33.5	-	46.6	68.2	21.6	
Vert.	5700.000	PK	43.1	31.8	5.6	33.5	-	47.0	105.2	58.2	
Vert.	5720.000	PK	46.3	31.9	5.6	33.5	-	50.2	110.8	60.6	
Vert.	5725.000	PK	52.7	31.9	5.6	33.5	-	56.7	122.2	65.5	
Vert.	11490.000	PK	44.7	39.9	-2.3	33.5	-	48.9	73.9	25.0	Floor noise
Vert.	17235.000	PK	44.8	41.8	-0.7	32.4	-	53.5	68.2	14.7	Floor noise
Vert.	11490.000	AV	35.4	39.9	-2.3	33.5	-	39.6	53.9	14.3	Floor noise

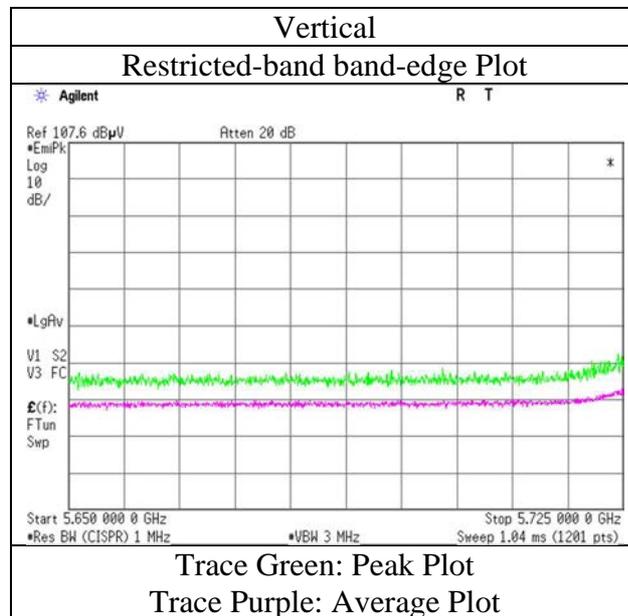
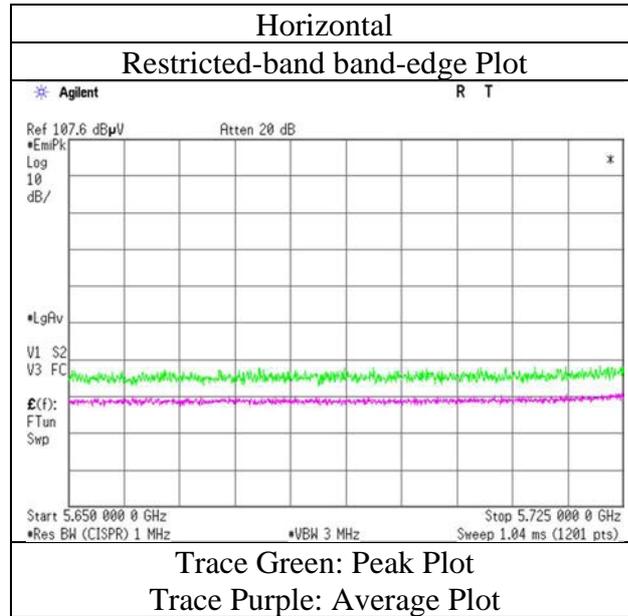
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 22, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Nachi Konegawa
(1 GHz - 10 GHz)
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.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	43.8	39.7	-2.2	33.4	-	47.8	73.9	26.1	Floor noise
Hori.	17355.000	PK	44.1	43.0	-0.7	32.4	-	54.0	68.2	14.2	Floor noise
Hori.	11570.000	AV	35.1	39.7	-2.2	33.4	-	39.1	53.9	14.8	Floor noise
Vert.	11570.000	PK	43.8	39.7	-2.2	33.4	-	47.8	73.9	26.1	Floor noise
Vert.	17355.000	PK	44.1	43.0	-0.7	32.4	-	54.0	68.2	14.2	Floor noise
Vert.	11570.000	AV	35.1	39.7	-2.2	33.4	-	39.1	53.9	14.8	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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	44.5	32.3	5.7	33.5	-	48.8	122.2	73.4	
Hori.	5855.000	PK	42.8	32.3	5.7	33.5	-	47.2	110.8	63.6	
Hori.	5875.000	PK	42.0	32.3	5.7	33.5	-	46.5	105.2	58.7	
Hori.	5925.000	PK	41.9	32.4	5.7	33.5	-	46.4	68.2	21.8	
Hori.	11650.000	PK	43.8	39.4	-2.2	33.4	-	47.6	73.9	26.3	Floor noise
Hori.	17475.000	PK	44.1	44.1	-0.7	32.4	-	55.1	68.2	13.1	Floor noise
Hori.	11650.000	AV	34.8	39.4	-2.2	33.4	-	38.6	53.9	15.3	Floor noise
Vert.	5850.000	PK	46.7	32.3	5.7	33.5	-	51.1	122.2	71.1	
Vert.	5855.000	PK	43.0	32.3	5.7	33.5	-	47.4	110.8	63.4	
Vert.	5875.000	PK	42.2	32.3	5.7	33.5	-	46.7	105.2	58.5	
Vert.	5925.000	PK	42.0	32.4	5.7	33.5	-	46.5	68.2	21.7	
Vert.	11650.000	PK	43.8	39.4	-2.2	33.4	-	47.6	73.9	26.3	Floor noise
Vert.	17475.000	PK	44.1	44.1	-0.7	32.4	-	55.1	68.2	13.1	Floor noise
Vert.	11650.000	AV	34.8	39.4	-2.2	33.4	-	38.6	53.9	15.3	Floor noise

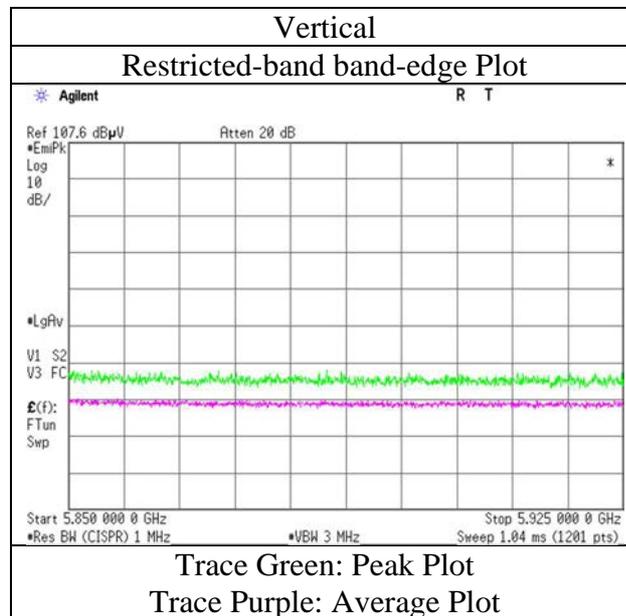
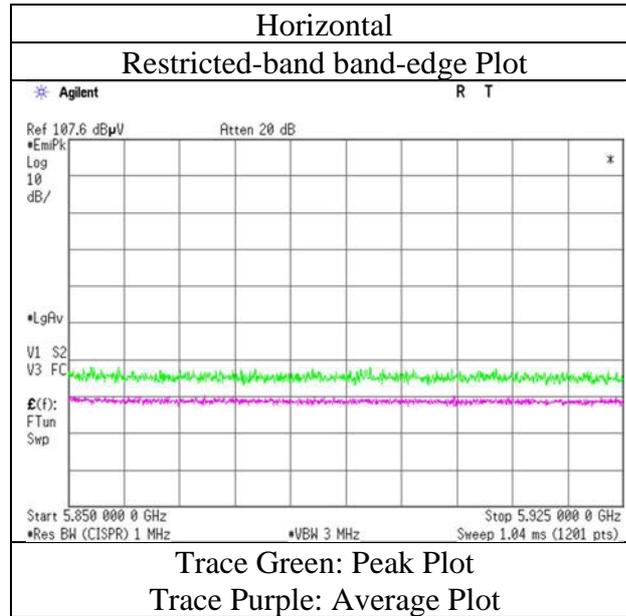
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
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.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa	Akihiko Maeda	Junya Okuno
	(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	47.0	31.9	5.4	33.7	-	50.6	73.9	23.3	
Hori.	10380.000	PK	42.7	40.2	-2.6	34.0	-	46.2	68.2	22.0	Floor noise
Hori.	15570.000	PK	44.6	37.1	-1.3	32.9	-	47.5	73.9	26.4	Floor noise
Hori.	5150.000	AV	34.6	31.9	5.4	33.7	0.8	39.0	53.9	14.9	*1)
Hori.	15570.000	AV	36.1	37.1	-1.3	32.9	-	39.0	53.9	14.9	Floor noise
Vert.	5150.000	PK	47.2	31.9	5.4	33.7	-	50.8	73.9	23.1	
Vert.	10380.000	PK	42.7	40.2	-2.6	34.0	-	46.2	68.2	22.0	Floor noise
Vert.	15570.000	PK	44.6	37.1	-1.3	32.9	-	47.5	73.9	26.4	Floor noise
Vert.	5150.000	AV	34.9	31.9	5.4	33.7	0.8	39.2	53.9	14.7	*1)
Vert.	15570.000	AV	36.1	37.1	-1.3	32.9	-	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

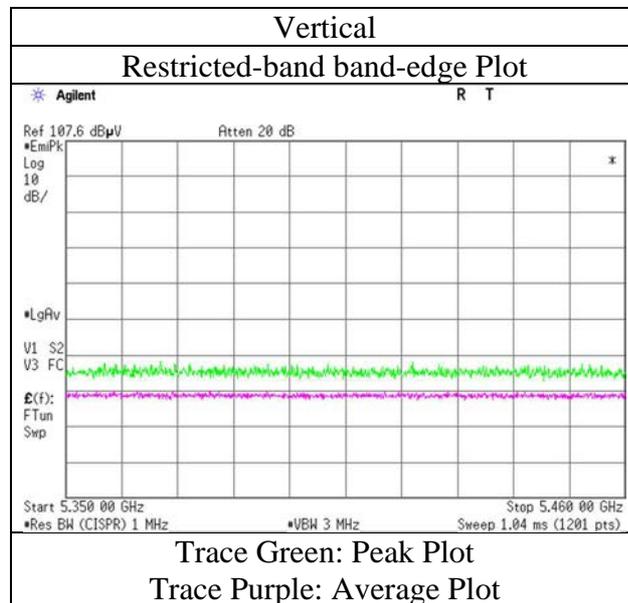
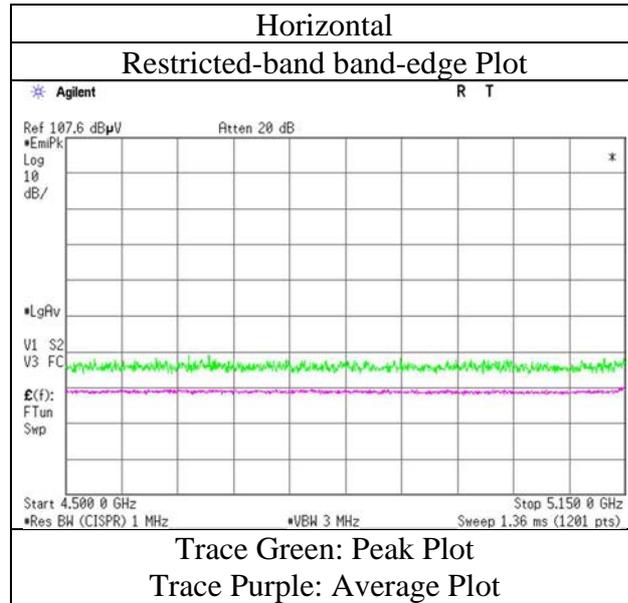
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 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

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
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

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	42.8	40.1	-2.6	33.9	-	46.4	68.2	21.8	Floor noise
Hori.	15810.000	PK	44.3	36.7	-1.3	33.1	-	46.6	73.9	27.3	Floor noise
Hori.	15810.000	AV	36.2	36.7	-1.3	33.1	-	38.5	53.9	15.4	Floor noise
Vert.	10540.000	PK	42.8	40.1	-2.6	33.9	-	46.4	68.2	21.8	Floor noise
Vert.	15810.000	PK	44.3	36.7	-1.3	33.1	-	46.6	73.9	27.3	Floor noise
Vert.	15810.000	AV	36.2	36.7	-1.3	33.1	-	38.5	53.9	15.4	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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 22, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	21 deg. C / 32 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Nachi Konegawa	Akihiko Maeda	Junya Okuno
	(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	52.2	31.5	5.5	33.6	-	55.6	73.9	18.4	
Hori.	10620.000	PK	42.8	40.0	-2.6	33.9	-	46.4	73.9	27.5	Floor noise
Hori.	15930.000	PK	44.8	37.3	-1.3	33.2	-	47.6	73.9	26.3	Floor noise
Hori.	5350.000	AV	37.7	31.5	5.5	33.6	0.8	41.9	53.9	12.1	*1)
Hori.	10620.000	AV	34.6	40.0	-2.6	33.9	-	38.2	53.9	15.7	Floor noise
Hori.	15930.000	AV	36.3	37.3	-1.3	33.2	-	39.1	53.9	14.8	Floor noise
Vert.	5350.000	PK	52.2	31.5	5.5	33.6	-	55.6	73.9	18.3	
Vert.	10620.000	PK	42.8	40.0	-2.6	33.9	-	46.4	73.9	27.5	Floor noise
Vert.	15930.000	PK	44.8	37.3	-1.3	33.2	-	47.6	73.9	26.3	Floor noise
Vert.	5350.000	AV	40.5	31.5	5.5	33.6	0.8	44.6	53.9	9.3	*1)
Vert.	10620.000	AV	34.6	40.0	-2.6	33.9	-	38.2	53.9	15.7	Floor noise
Vert.	15930.000	AV	36.3	37.3	-1.3	33.2	-	39.1	53.9	14.8	Floor noise

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

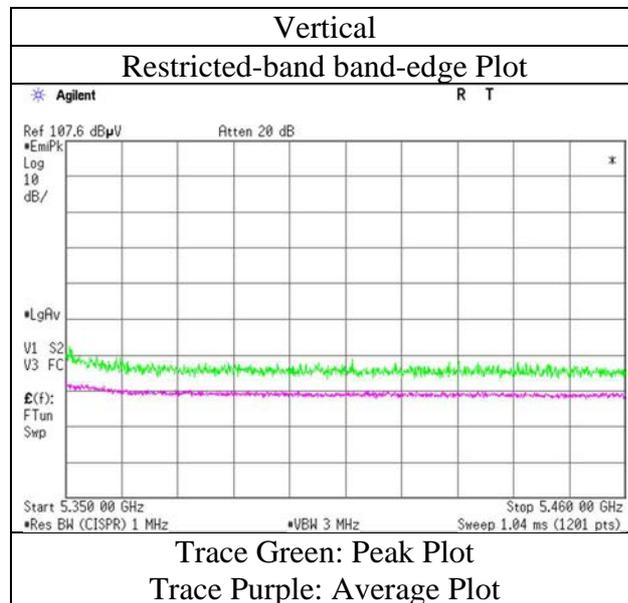
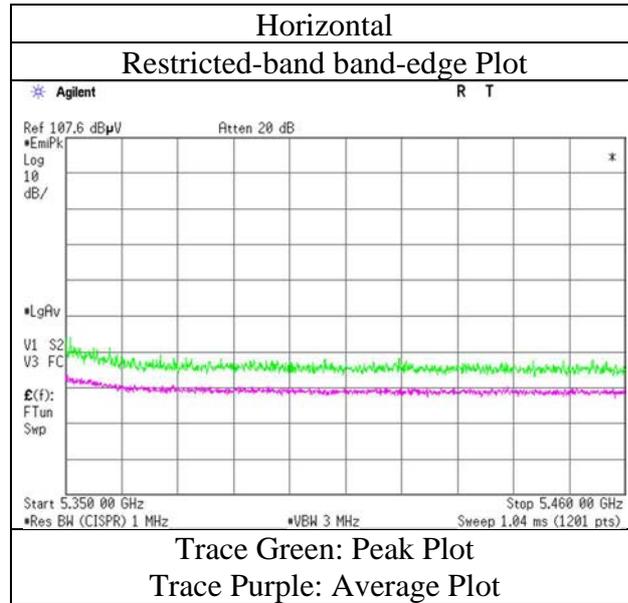
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 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

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 22, 2021
Temperature / Humidity	21 deg. C / 32 % RH
Engineer	Nachi Konegawa
	(1 GHz - 10 GHz)
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.

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Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Yuichiro Yamazaki	Akihiko Maeda	Junya Okuno
	(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	47.8	31.7	5.5	33.5	-	51.5	68.2	16.7	
Hori.	5470.000	PK	54.3	31.7	5.5	33.5	-	58.0	68.2	10.2	
Hori.	11020.000	PK	42.2	40.2	-2.5	33.6	-	46.3	68.2	21.9	Floor noise
Hori.	16530.000	PK	44.9	39.4	-1.0	32.8	-	50.5	73.9	23.4	Floor noise
Hori.	5460.000	AV	36.2	31.7	5.5	33.5	0.8	40.7	53.9	13.2	*1)
Hori.	11020.000	AV	34.7	40.2	-2.5	33.6	-	38.8	53.9	15.1	Floor noise
Vert.	5460.000	PK	45.4	31.7	5.5	33.5	-	49.1	68.2	19.1	
Vert.	5470.000	PK	49.1	31.7	5.5	33.5	-	52.9	68.2	15.4	
Vert.	11020.000	PK	42.2	40.2	-2.5	33.6	-	46.3	68.2	21.9	Floor noise
Vert.	16530.000	PK	44.9	39.4	-1.0	32.8	-	50.5	73.9	23.4	Floor noise
Vert.	5460.000	AV	34.9	31.7	5.5	33.5	0.8	39.5	53.9	14.4	*1)
Vert.	11020.000	AV	34.7	40.2	-2.5	33.6	-	38.8	53.9	15.1	Floor noise

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

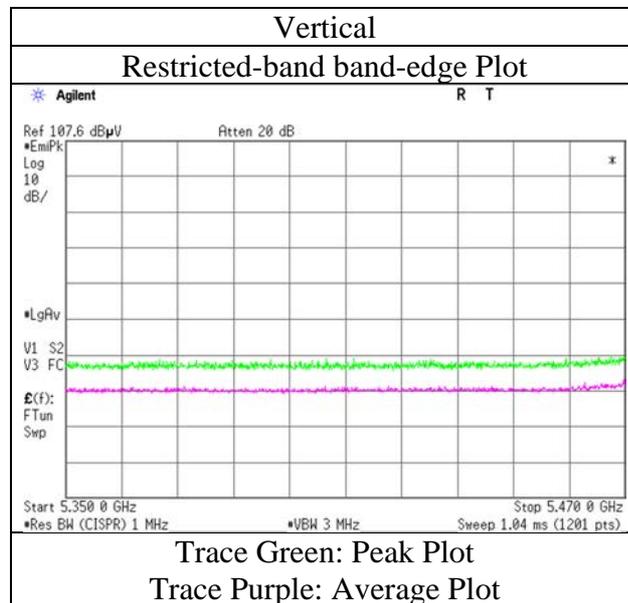
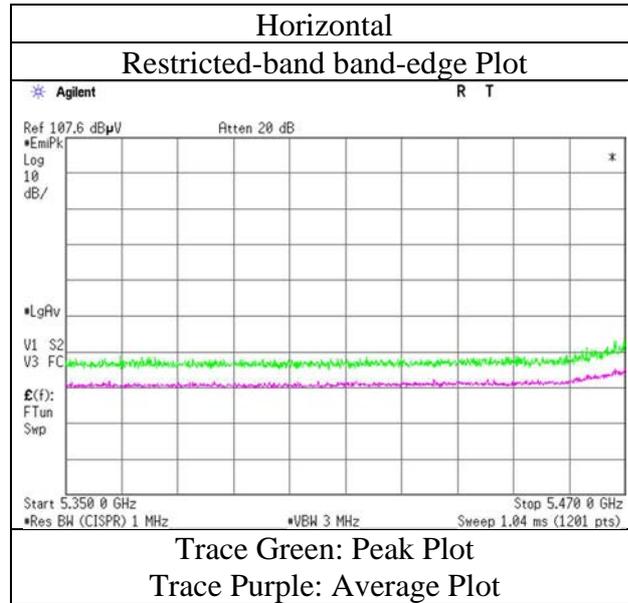
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log (3.7 m / 3.0 m) = 1.83 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

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki
	(1 GHz - 10 GHz)
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.

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Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Yuichiro Yamazaki	Akihiko Maeda	Junya Okuno
	(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	42.7	39.9	-2.5	33.6	-	46.6	73.9	27.3	Floor noise
Hori.	16650.000	PK	44.1	40.0	-0.9	32.7	-	50.5	68.2	17.7	Floor noise
Hori.	11100.000	AV	34.7	39.9	-2.5	33.6	-	38.6	53.9	15.3	Floor noise
Vert.	11100.000	PK	42.7	39.9	-2.5	33.6	-	46.6	73.9	27.3	Floor noise
Vert.	16650.000	PK	44.1	40.0	-0.9	32.7	-	50.5	68.2	17.7	Floor noise
Vert.	11100.000	AV	34.7	39.9	-2.5	33.6	-	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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Yuichiro Yamazaki	Akihiko Maeda	Junya Okuno
	(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	47.1	31.9	5.6	33.5	-	51.0	68.2	17.2	
Hori.	11340.000	PK	42.9	40.0	-2.4	33.5	-	47.0	73.9	26.9	Floor noise
Hori.	17010.000	PK	44.1	41.3	-0.7	32.4	-	52.3	68.2	15.9	Floor noise
Hori.	11340.000	AV	34.5	40.0	-2.4	33.5	-	38.6	53.9	15.3	Floor noise
Vert.	5725.000	PK	46.7	31.9	5.6	33.5	-	50.6	68.2	17.6	
Vert.	11340.000	PK	42.9	40.0	-2.4	33.5	-	47.0	73.9	26.9	Floor noise
Vert.	17010.000	PK	44.1	41.3	-0.7	32.4	-	52.3	68.2	15.9	Floor noise
Vert.	11340.000	AV	34.5	40.0	-2.4	33.5	-	38.6	53.9	15.3	Floor noise

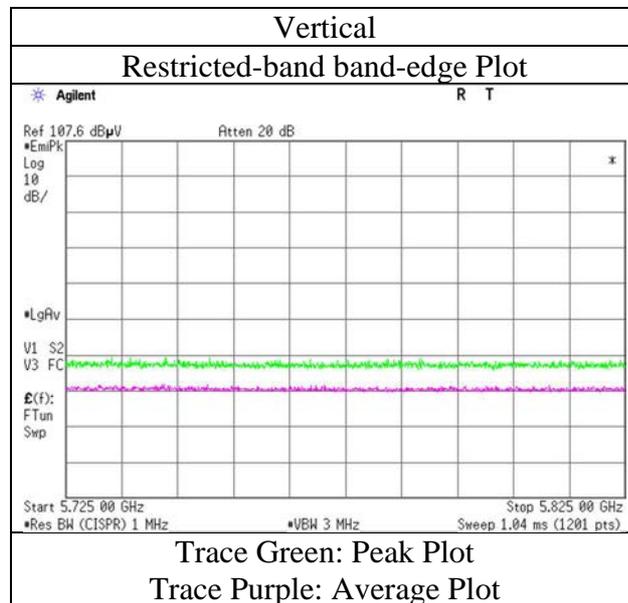
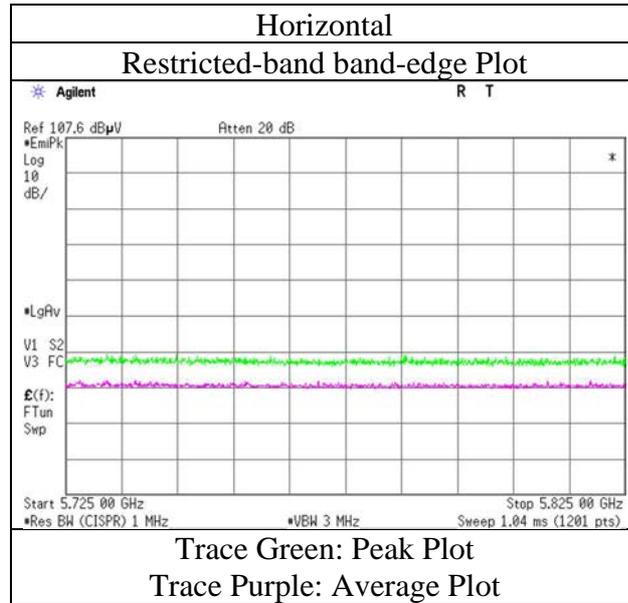
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 23, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Yuichiro Yamazaki
(1 GHz - 10 GHz)
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.

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Radiated Spurious Emission

Report No.	13671150H			
Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.2	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021	January 28, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH	20 deg. C / 38 % RH
Engineer	Yuichiro Yamazaki	Akihiko Maeda	Junya Okuno	Junya Okuno
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 40 GHz)	(Below 1 GHz)
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.	50.916	QP	29.2	10.8	7.0	28.6	-	18.4	40.0	21.6	
Hori.	165.913	QP	32.6	15.3	8.0	28.2	-	27.6	43.5	15.9	
Hori.	360.572	QP	38.0	15.2	9.3	28.2	-	34.3	46.0	11.7	
Hori.	589.671	QP	33.0	19.1	10.1	29.4	-	32.9	46.0	13.1	
Hori.	595.320	QP	33.8	19.3	10.2	29.4	-	33.8	46.0	12.2	
Hori.	829.620	QP	32.4	21.1	11.1	29.1	-	35.4	46.0	10.6	
Hori.	5650.000	PK	44.9	31.8	5.6	33.5	-	48.8	68.2	19.4	
Hori.	5700.000	PK	46.2	31.8	5.6	33.5	-	50.1	105.2	55.1	
Hori.	5717.225	PK	55.5	31.8	5.6	33.5	-	59.5	110.0	50.5	
Hori.	5720.000	PK	51.8	31.9	5.6	33.5	-	55.8	110.8	55.0	
Hori.	5722.595	PK	52.2	31.9	5.6	33.5	-	56.2	116.7	60.6	
Hori.	5725.000	PK	55.2	31.9	5.6	33.5	-	59.2	122.2	63.0	
Hori.	11510.000	PK	42.9	39.8	-2.3	33.5	-	47.0	73.9	26.9	Floor noise
Hori.	17265.000	PK	44.6	42.0	-0.7	32.4	-	53.5	73.9	20.4	Floor noise
Hori.	11510.000	AV	34.8	39.8	-2.3	33.5	-	38.9	53.9	15.0	Floor noise
Vert.	50.881	QP	42.4	10.8	7.0	28.6	-	31.6	40.0	8.4	
Vert.	172.550	QP	32.6	15.6	8.0	28.2	-	28.0	43.5	15.5	
Vert.	360.572	QP	37.3	15.2	9.3	28.2	-	33.6	46.0	12.4	
Vert.	589.941	QP	37.3	19.1	10.1	29.4	-	37.2	46.0	8.8	
Vert.	595.620	QP	40.5	19.3	10.2	29.4	-	40.6	46.0	5.5	
Vert.	829.508	QP	31.5	21.1	11.1	29.1	-	34.5	46.0	11.5	
Vert.	5650.000	PK	43.3	31.8	5.6	33.5	-	47.2	68.2	21.0	
Vert.	5700.000	PK	45.7	31.8	5.6	33.5	-	49.6	105.2	55.6	
Vert.	5717.225	PK	56.8	31.8	5.6	33.5	-	60.8	110.0	49.3	
Vert.	5720.000	PK	50.5	31.9	5.6	33.5	-	54.4	110.8	56.4	
Vert.	5722.595	PK	54.2	31.9	5.6	33.5	-	58.2	116.7	58.5	
Vert.	5725.000	PK	53.9	31.9	5.6	33.5	-	57.9	122.2	64.3	
Vert.	11510.000	PK	42.9	39.8	-2.3	33.5	-	47.0	73.9	26.9	Floor noise
Vert.	17265.000	PK	44.6	42.0	-0.7	32.4	-	53.5	73.9	20.4	Floor noise
Vert.	11510.000	AV	34.8	39.8	-2.3	33.5	-	38.9	53.9	15.0	Floor noise

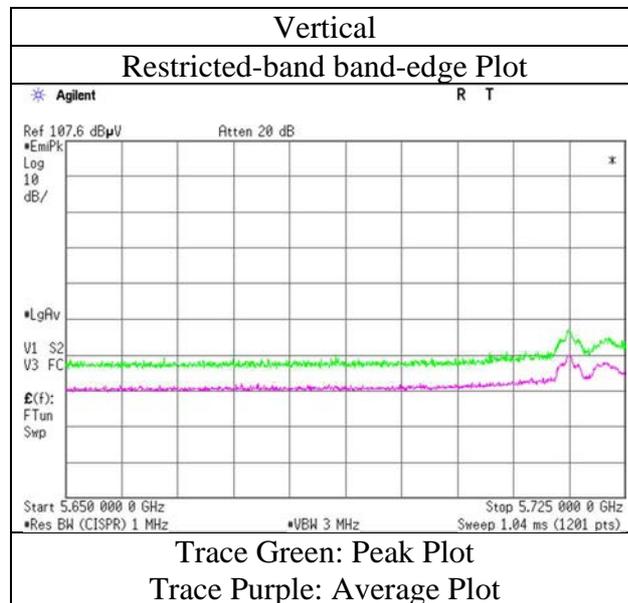
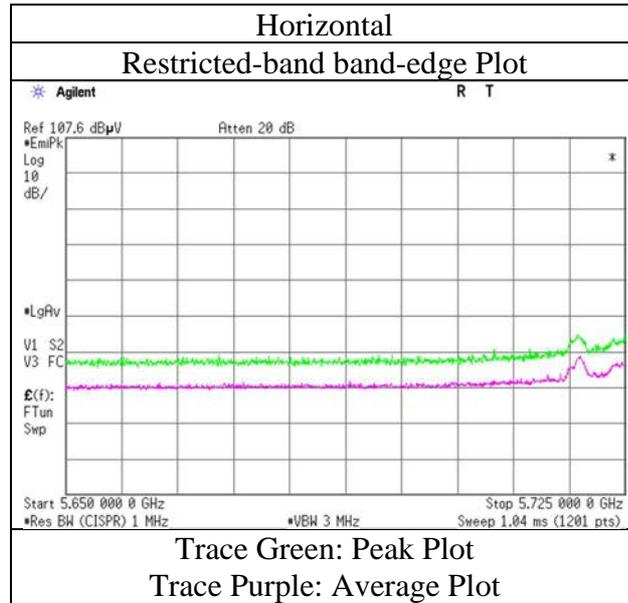
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

*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 (3.7 m / 3.0 m) = 1.83 dB
 10 GHz - 40 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki (1 GHz - 10 GHz)
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.

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Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Yuichiro Yamazaki	Akihiko Maeda	Junya Okuno
	(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	46.9	32.3	5.7	33.5	-	51.3	122.2	70.9	
Hori.	5855.000	PK	46.9	32.3	5.7	33.5	-	51.3	110.8	59.5	
Hori.	5875.000	PK	45.6	32.3	5.7	33.5	-	50.1	105.2	55.1	
Hori.	5925.000	PK	45.2	32.4	5.7	33.5	-	49.7	68.2	18.5	
Hori.	11590.000	PK	43.0	39.4	-2.2	33.4	-	46.7	73.9	27.2	Floor noise
Hori.	17385.000	PK	44.4	43.5	-0.7	32.4	-	54.8	68.2	13.4	Floor noise
Hori.	11590.000	AV	34.7	39.4	-2.2	33.4	-	38.4	53.9	15.5	Floor noise
Vert.	5850.000	PK	47.3	32.3	5.7	33.5	-	51.7	122.2	70.5	
Vert.	5855.000	PK	47.0	32.3	5.7	33.5	-	51.4	110.8	59.4	
Vert.	5875.000	PK	45.8	32.3	5.7	33.5	-	50.3	105.2	54.9	
Vert.	5925.000	PK	44.9	32.4	5.7	33.5	-	49.5	68.2	18.8	
Vert.	11590.000	PK	43.0	39.4	-2.2	33.4	-	46.7	73.9	27.2	Floor noise
Vert.	17385.000	PK	44.4	43.5	-0.7	32.4	-	54.8	68.2	13.4	Floor noise
Vert.	11590.000	AV	34.7	39.4	-2.2	33.4	-	38.4	53.9	15.5	Floor noise

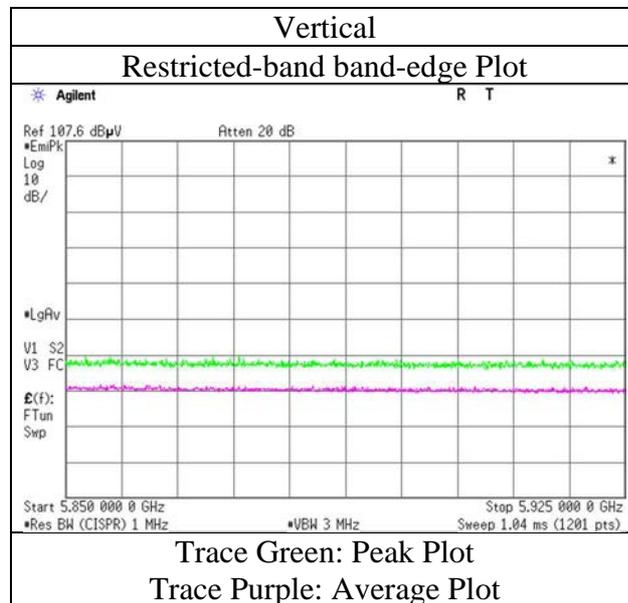
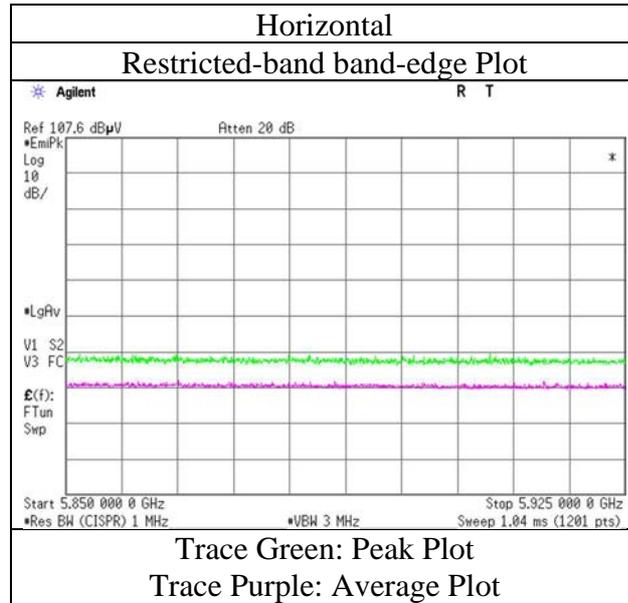
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission

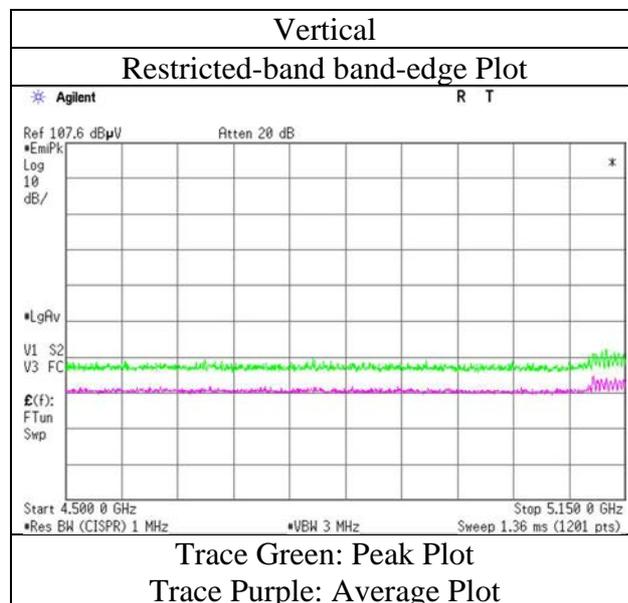
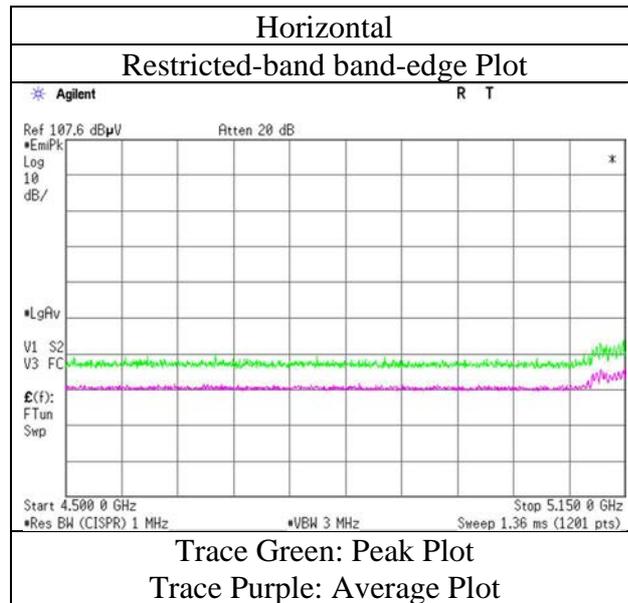
Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (OFDM)



* 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.

Radiated Spurious Emission

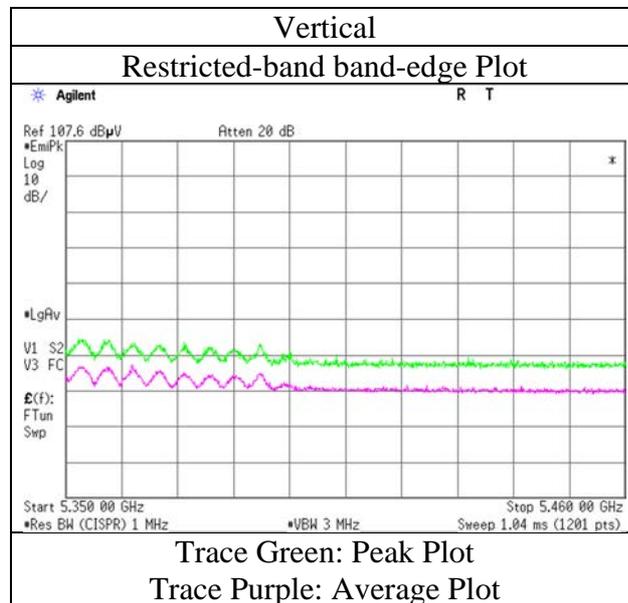
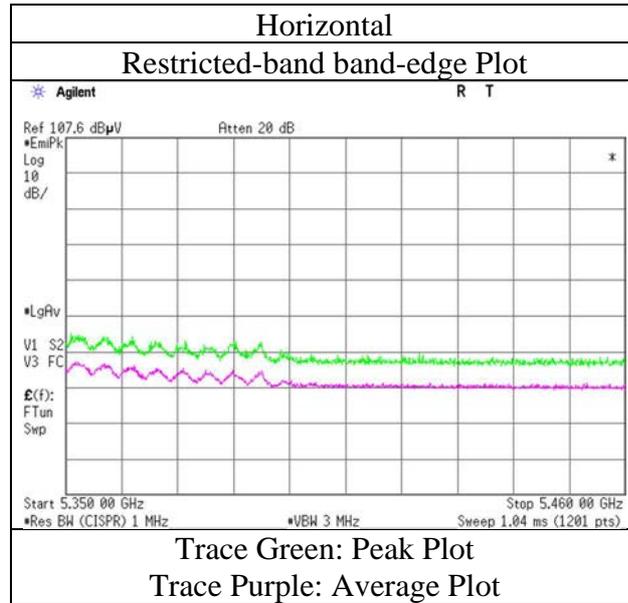
Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (OFDM)



* 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.

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki (1 GHz - 10 GHz)
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.

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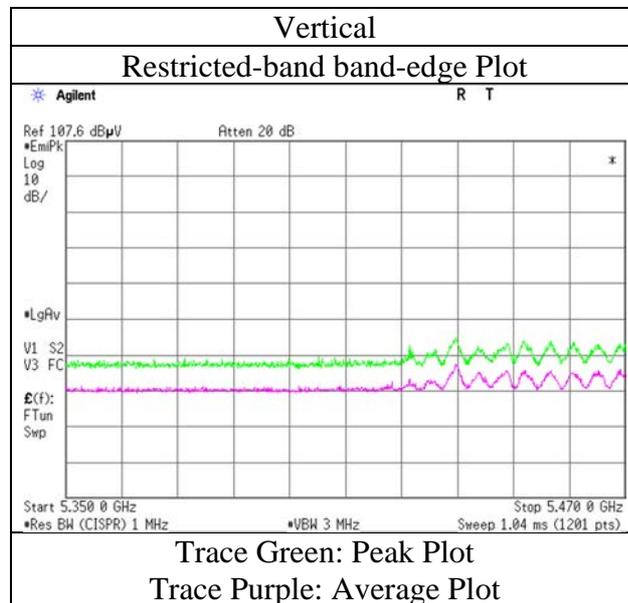
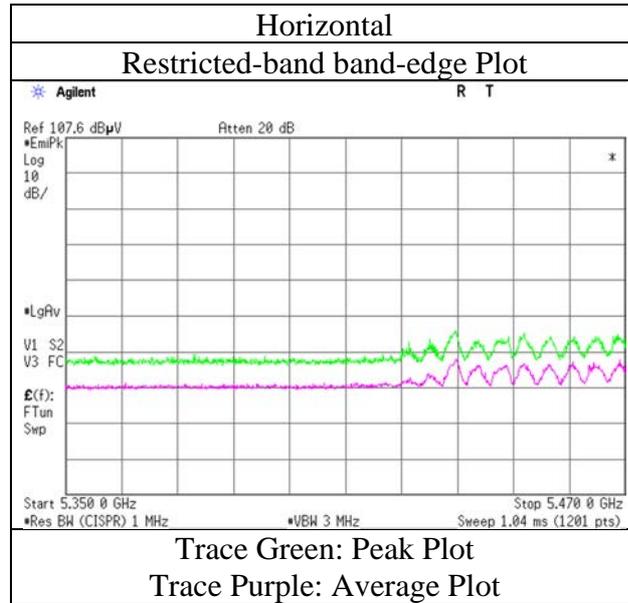
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Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki
	(1 GHz - 10 GHz)
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.

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Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Yuichiro Yamazaki (1 GHz - 10 GHz)	Akihiko Maeda (10 GHz - 18 GHz)	Junya Okuno (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	45.3	31.9	5.6	33.5	-	49.2	68.2	19.0	
Hori.	11220.000	PK	42.5	39.8	-2.4	33.5	-	46.3	73.9	27.6	Floor noise
Hori.	16830.000	PK	44.1	41.0	-0.8	32.5	-	51.7	68.2	16.5	Floor noise
Hori.	11220.000	AV	34.3	39.8	-2.4	33.5	-	38.1	53.9	15.8	Floor noise
Vert.	5725.000	PK	46.2	31.9	5.6	33.5	-	50.1	68.2	18.1	
Vert.	11220.000	PK	42.5	39.8	-2.4	33.5	-	46.3	73.9	27.6	Floor noise
Vert.	16830.000	PK	44.1	41.0	-0.8	32.5	-	51.7	68.2	16.5	Floor noise
Vert.	11220.000	AV	34.3	39.8	-2.4	33.5	-	38.1	53.9	15.8	Floor noise

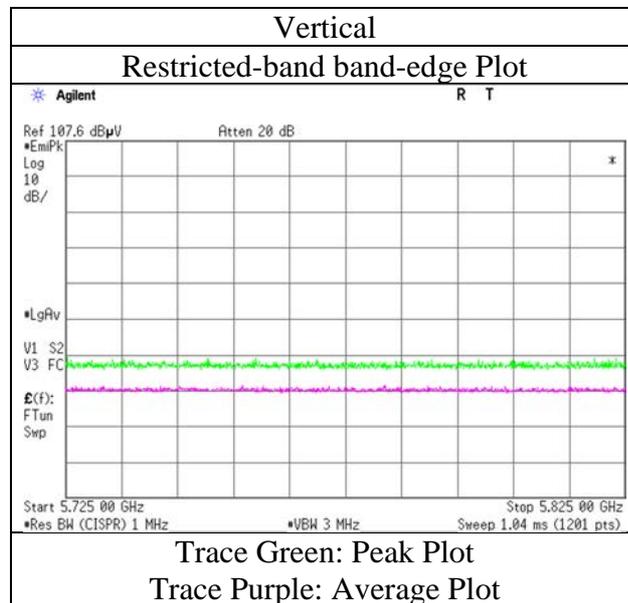
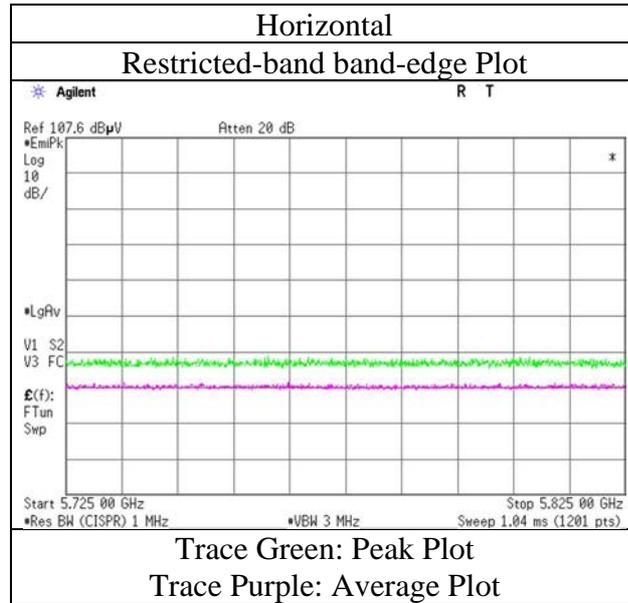
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

*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(3.7 m / 3.0 m) = 1.83 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 23, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Yuichiro Yamazaki
(1 GHz - 10 GHz)
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.

Radiated Spurious Emission

Report No.	13671150H		
Test place	Ise EMC Lab.		
Semi Anechoic Chamber	No.2	No.2	No.2
Date	January 23, 2021	January 26, 2021	January 27, 2021
Temperature / Humidity	20 deg. C / 41 % RH	20 deg. C / 41 % RH	20 deg. C / 50 % RH
Engineer	Yuichiro Yamazaki	Akihiko Maeda	Junya Okuno
	(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	44.1	31.8	5.6	33.5	-	48.0	68.2	20.2	
Hori.	5700.000	PK	48.4	31.8	5.6	33.5	-	52.3	105.2	52.9	
Hori.	5720.000	PK	48.9	31.9	5.6	33.5	-	52.9	110.8	57.9	
Hori.	5725.000	PK	47.4	31.9	5.6	33.5	-	51.4	122.2	70.8	
Hori.	5850.000	PK	46.8	32.3	5.7	33.5	-	51.2	122.2	71.0	
Hori.	5855.000	PK	45.7	32.3	5.7	33.5	-	50.1	110.8	60.7	
Hori.	5875.000	PK	44.1	32.3	5.7	33.5	-	48.5	105.2	56.7	
Hori.	5925.000	PK	42.5	32.4	5.7	33.5	-	47.0	68.2	21.2	
Hori.	11550.000	PK	42.5	39.9	-2.2	33.4	-	46.8	73.9	27.1	Floor noise
Hori.	17325.000	PK	44.6	42.9	-0.7	32.4	-	54.4	68.2	13.8	Floor noise
Hori.	11550.000	AV	34.3	39.9	-2.2	33.4	-	38.6	53.9	15.3	Floor noise
Vert.	5650.000	PK	44.0	31.8	5.6	33.5	-	47.9	68.2	20.3	
Vert.	5700.000	PK	49.5	31.8	5.6	33.5	-	53.5	105.2	51.8	
Vert.	5720.000	PK	50.1	31.9	5.6	33.5	-	54.1	110.8	56.7	
Vert.	5725.000	PK	48.9	31.9	5.6	33.5	-	52.8	122.2	69.4	
Vert.	5850.000	PK	46.7	32.3	5.7	33.5	-	51.1	122.2	71.1	
Vert.	5855.000	PK	46.2	32.3	5.7	33.5	-	50.6	110.8	60.2	
Vert.	5875.000	PK	44.3	32.3	5.7	33.5	-	48.7	105.2	56.5	
Vert.	5925.000	PK	42.7	32.4	5.7	33.5	-	47.2	68.2	21.0	
Vert.	11550.000	PK	42.5	39.9	-2.2	33.4	-	46.8	73.9	27.1	Floor noise
Vert.	17325.000	PK	44.6	42.9	-0.7	32.4	-	54.4	68.2	13.8	Floor noise
Vert.	11550.000	AV	34.3	39.9	-2.2	33.4	-	38.6	53.9	15.3	Floor noise

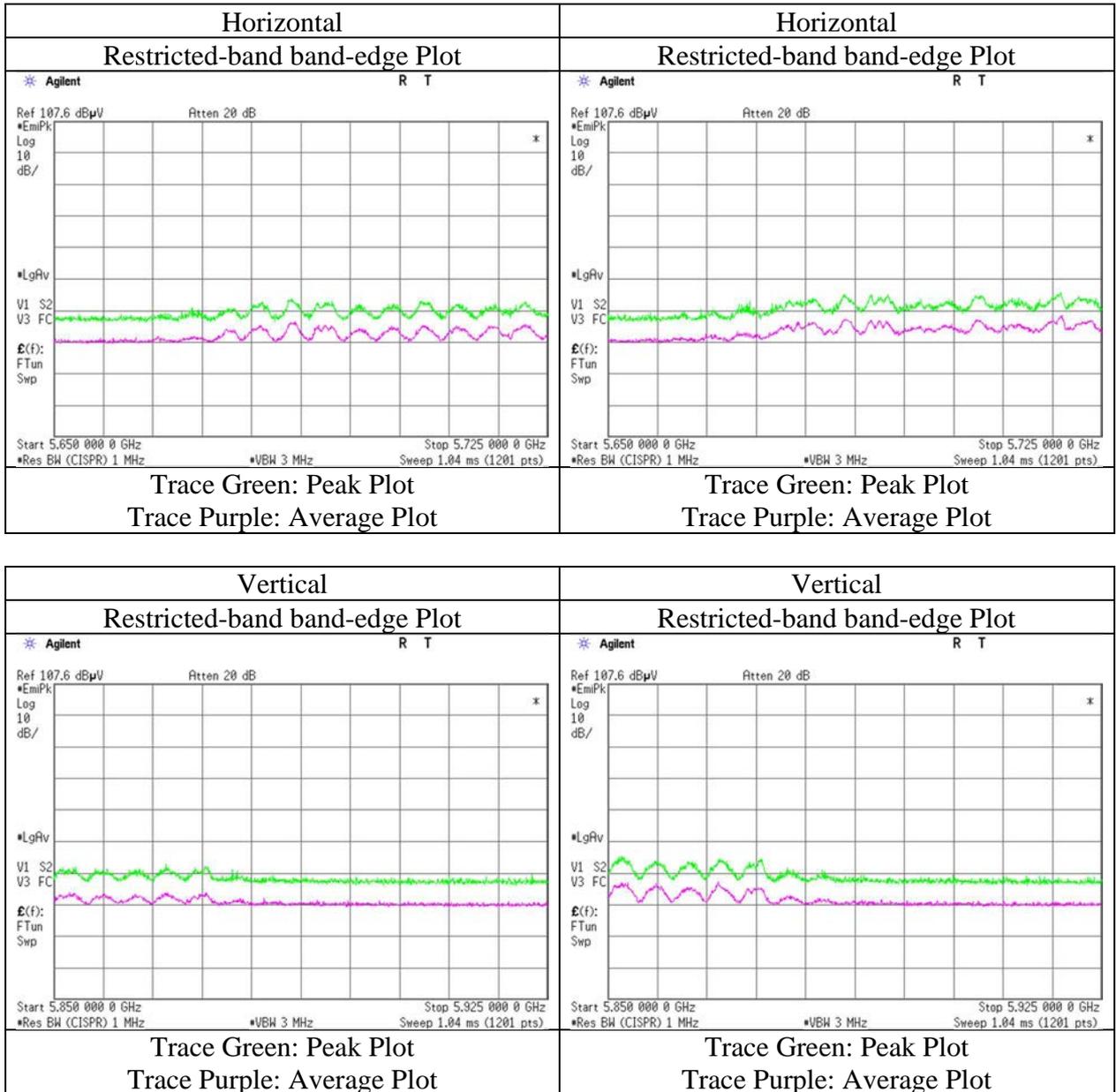
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

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

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 23, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Yuichiro Yamazaki
	(1 GHz - 10 GHz)
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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	43.2	31.9	5.4	33.7	-	46.8	73.9	27.1	
Hori.	5150.000	AV	34.6	31.9	5.4	33.7	0.3	38.4	53.9	15.5	*1)
Vert.	5150.000	PK	41.8	31.9	5.4	33.7	-	45.4	73.9	28.5	
Vert.	5150.000	AV	34.0	31.9	5.4	33.7	0.3	37.8	53.9	16.1	*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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

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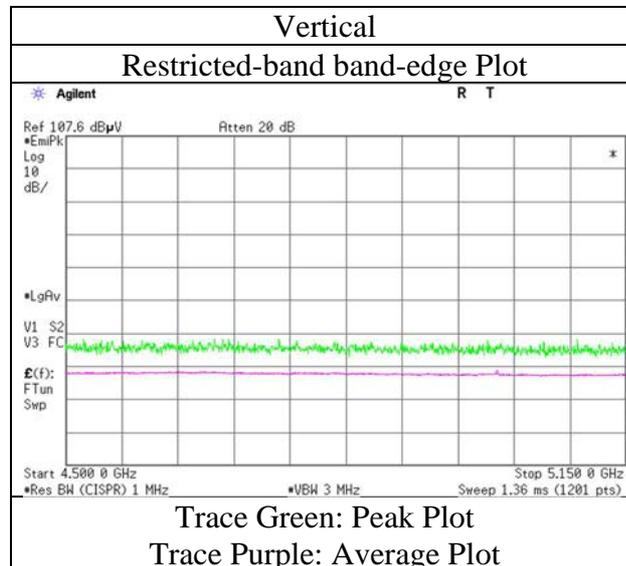
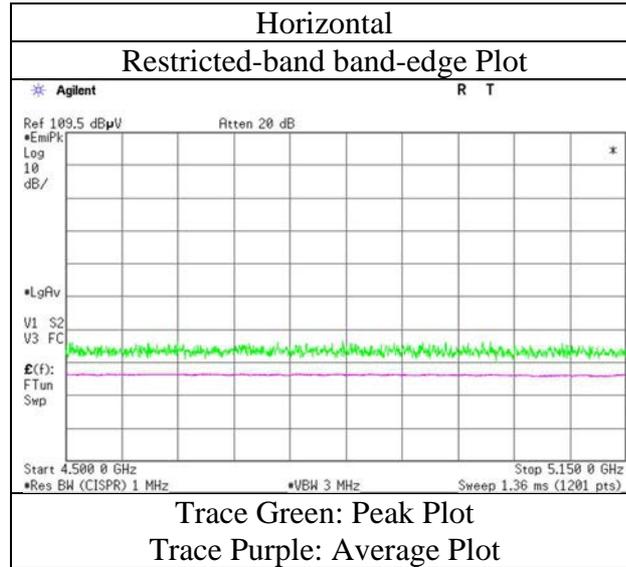
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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.

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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	43.5	31.9	5.4	33.7	-	47.1	73.9	26.8	
Hori.	5150.000	AV	34.7	31.9	5.4	33.7	0.3	38.6	53.9	15.4	*1)
Vert.	5150.000	PK	41.8	31.9	5.4	33.7	-	45.4	73.9	28.5	
Vert.	5150.000	AV	34.2	31.9	5.4	33.7	0.3	38.1	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).

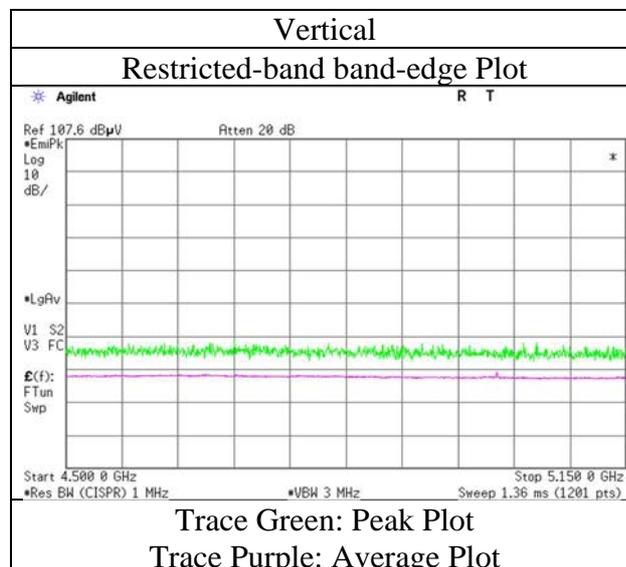
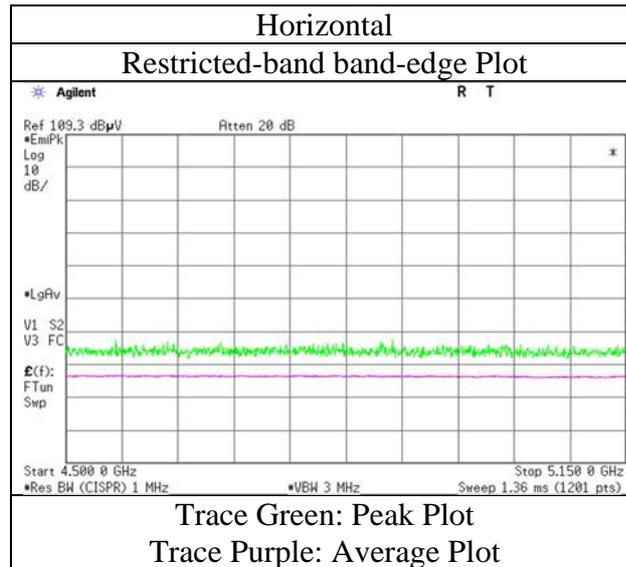
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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.

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	44.0	31.9	5.4	33.7	-	47.6	73.9	26.3	
Hori.	5150.000	AV	35.3	31.9	5.4	33.7	0.3	39.2	53.9	14.8	*1)
Vert.	5150.000	PK	43.1	31.9	5.4	33.7	-	46.7	73.9	27.2	
Vert.	5150.000	AV	34.3	31.9	5.4	33.7	0.3	38.2	53.9	15.8	*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).

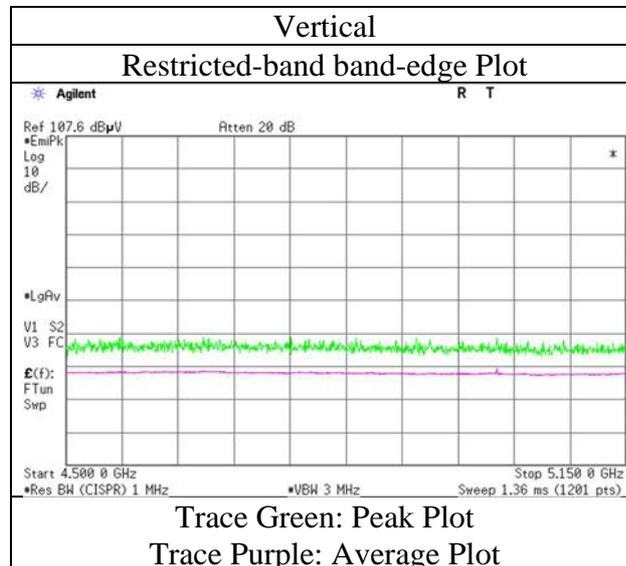
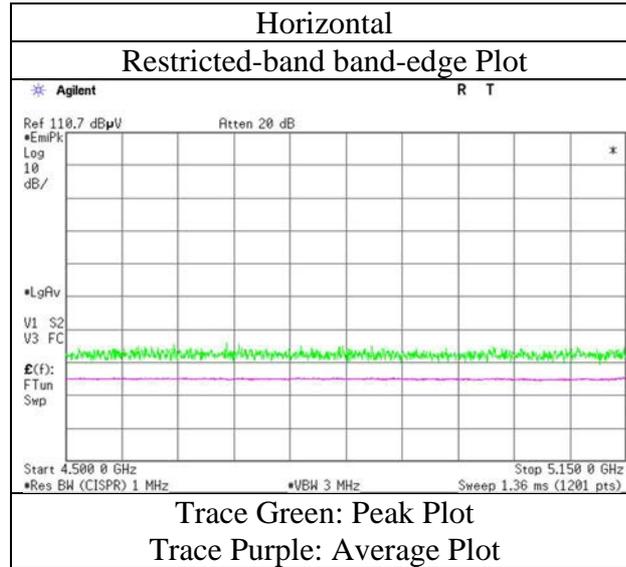
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	44.2	31.9	5.4	33.7	-	47.8	73.9	26.1	
Hori.	5150.000	AV	35.6	31.9	5.4	33.7	2.6	41.8	53.9	12.1	*1)
Vert.	5150.000	PK	43.0	31.9	5.4	33.7	-	46.6	73.9	27.3	
Vert.	5150.000	AV	34.6	31.9	5.4	33.7	2.6	40.8	53.9	13.1	*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).

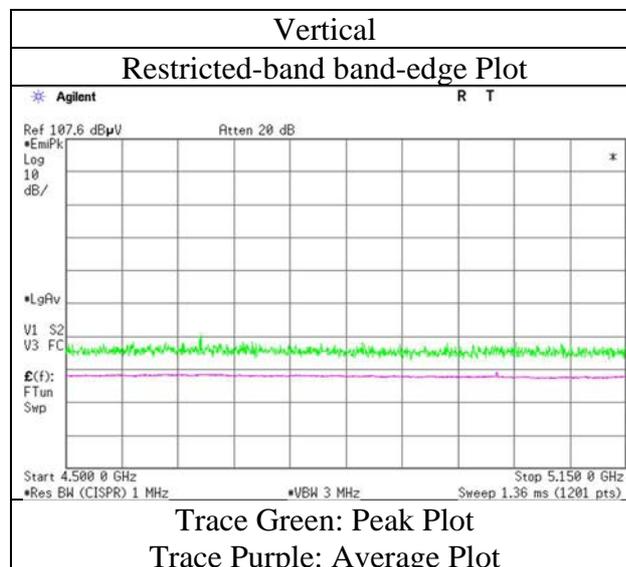
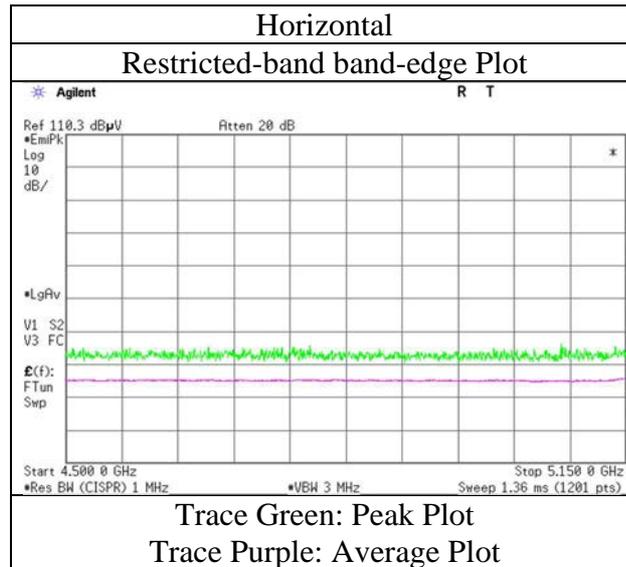
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	42.7	31.5	5.5	33.6	-	46.1	73.9	27.8	
Hori.	5350.000	AV	34.3	31.5	5.5	33.6	0.3	38.0	53.9	16.0	*1)
Vert.	5350.000	PK	42.0	31.5	5.5	33.6	-	45.4	73.9	28.5	
Vert.	5350.000	AV	34.4	31.5	5.5	33.6	0.3	38.1	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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

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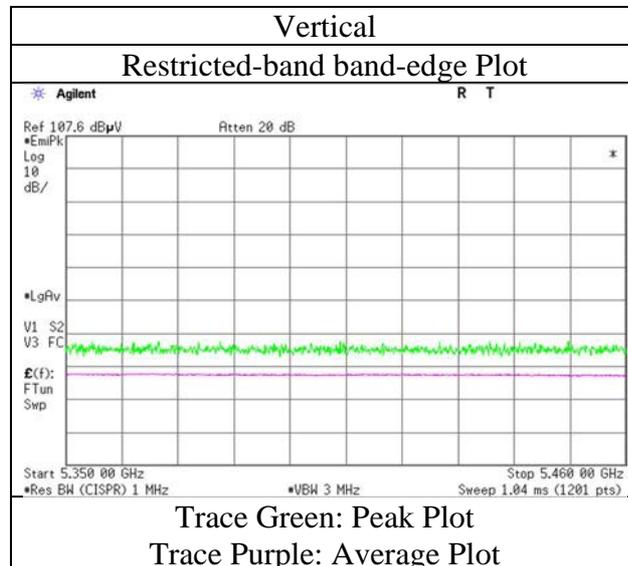
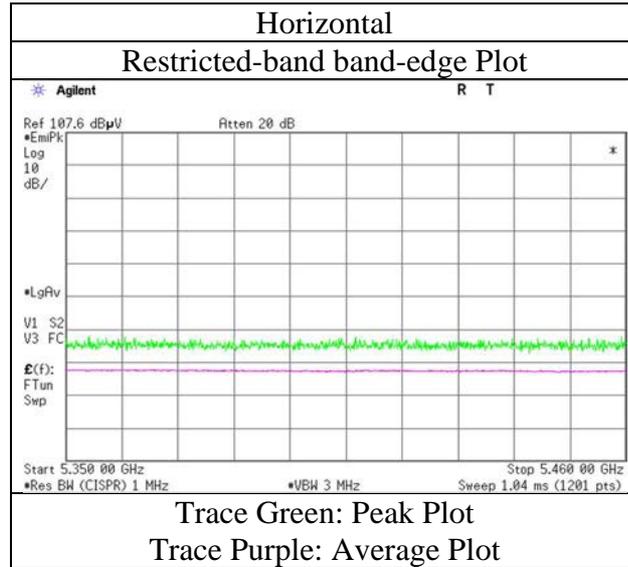
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	42.9	31.5	5.5	33.6	-	46.3	73.9	27.6	
Hori.	5350.000	AV	34.3	31.5	5.5	33.6	0.3	38.0	53.9	15.9	*1)
Vert.	5350.000	PK	42.7	31.5	5.5	33.6	-	46.1	73.9	27.8	
Vert.	5350.000	AV	34.2	31.5	5.5	33.6	0.3	37.9	53.9	16.0	*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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

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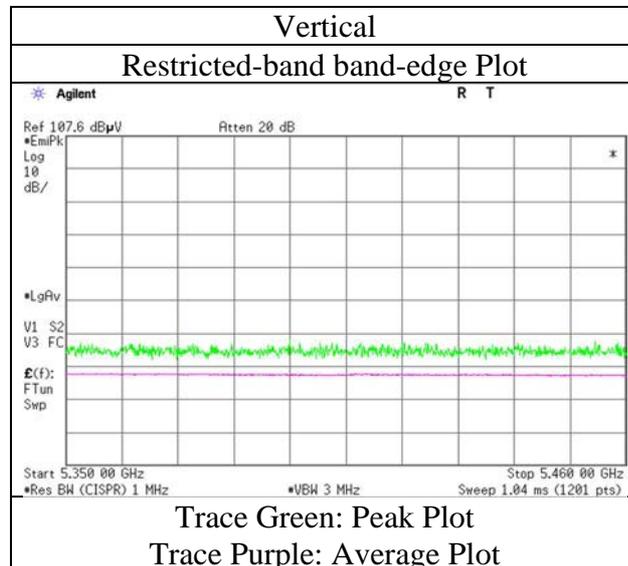
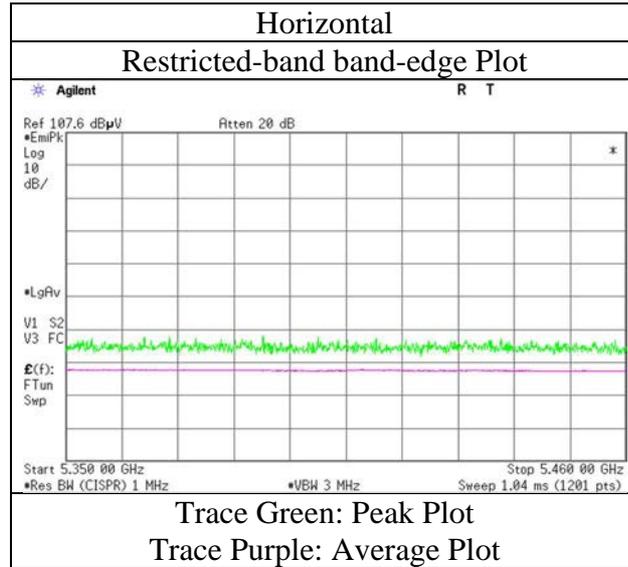
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	43.0	31.5	5.5	33.6	-	46.4	73.9	27.5	
Hori.	5350.000	AV	34.8	31.5	5.5	33.6	0.3	38.5	53.9	15.4	*1)
Vert.	5350.000	PK	42.8	31.5	5.5	33.6	-	46.2	73.9	27.7	
Vert.	5350.000	AV	34.5	31.5	5.5	33.6	0.3	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).

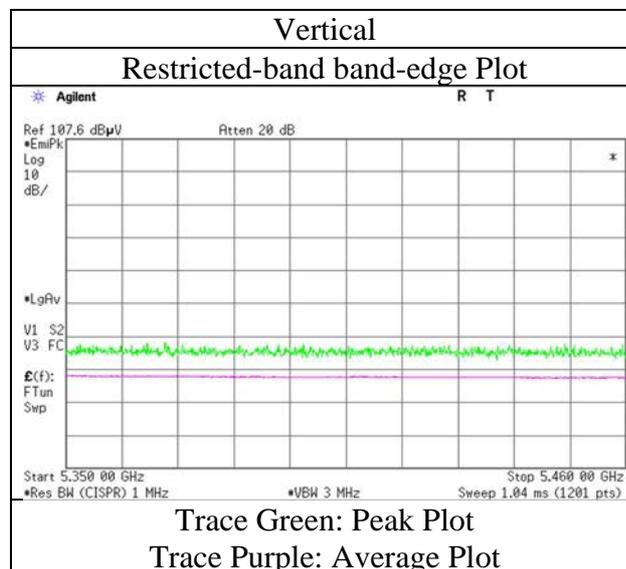
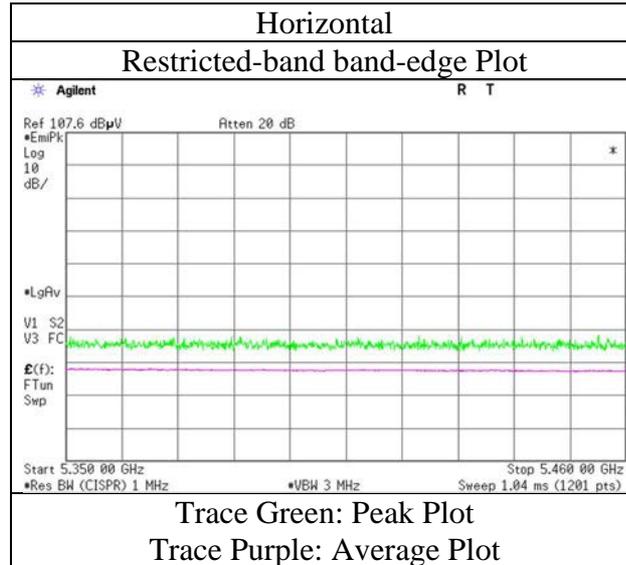
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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.

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Telephone : +81 596 24 8999

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	45.7	31.5	5.5	33.6	-	49.1	73.9	24.8	
Hori.	5350.000	AV	36.2	31.5	5.5	33.6	0.3	39.9	53.9	14.0	*1)
Vert.	5350.000	PK	43.9	31.5	5.5	33.6	-	47.3	73.9	26.6	
Vert.	5350.000	AV	35.5	31.5	5.5	33.6	0.3	39.2	53.9	14.7	*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).

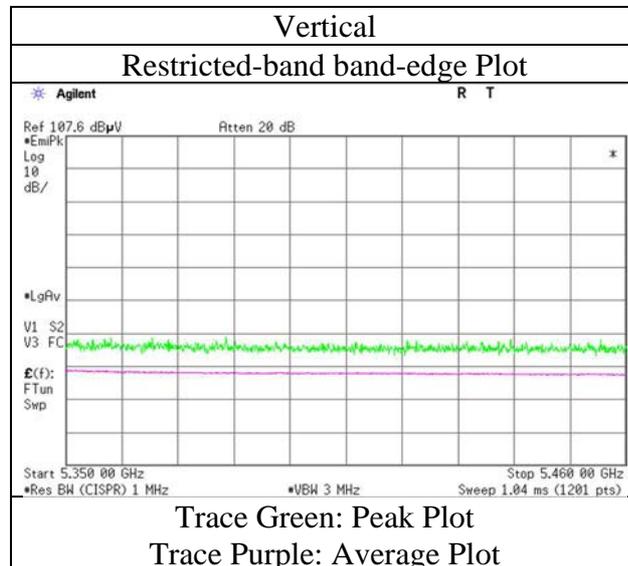
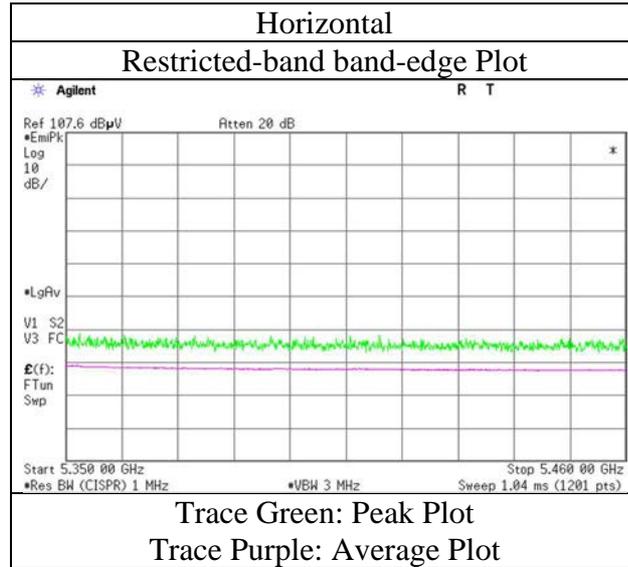
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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.

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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 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.	5460.000	PK	42.0	31.7	5.5	33.5	-	45.7	68.2	22.5	
Hori.	5470.000	PK	42.3	31.7	5.5	33.5	-	46.0	68.2	22.2	
Hori.	5460.000	AV	33.7	31.7	5.5	33.5	0.3	37.7	53.9	16.2	*1)
Vert.	5460.000	PK	41.8	31.7	5.5	33.5	-	45.5	68.2	22.7	
Vert.	5470.000	PK	42.3	31.7	5.5	33.5	-	46.0	68.2	22.2	
Vert.	5460.000	AV	34.0	31.7	5.5	33.5	0.3	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).

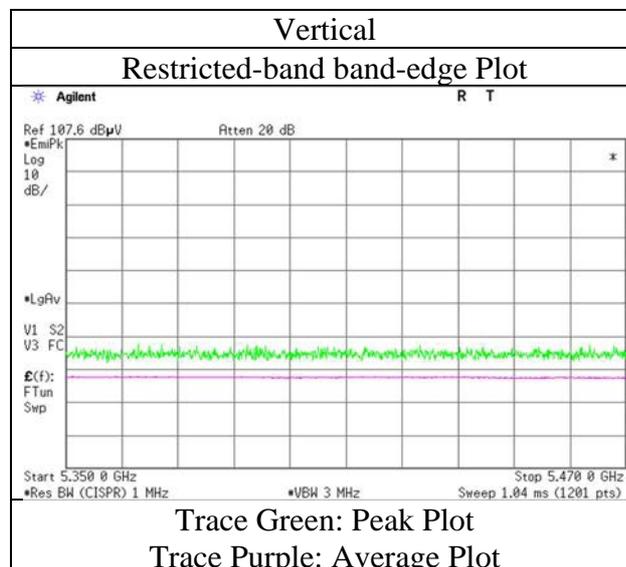
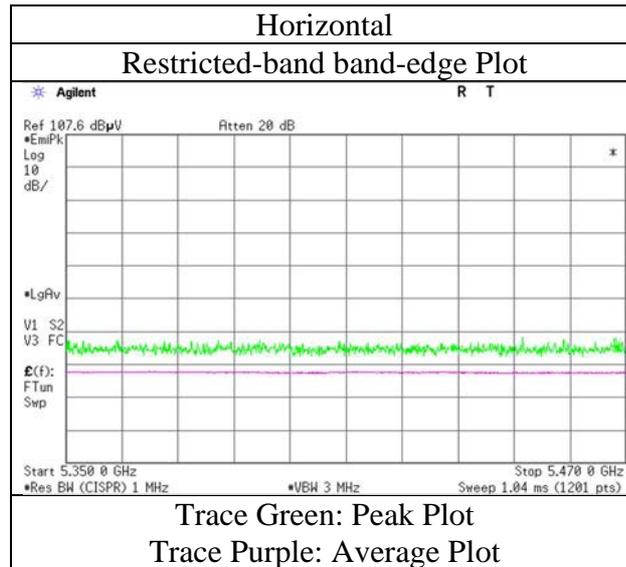
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-20 5500 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.

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	42.7	31.7	5.5	33.5	-	46.4	68.2	21.8	
Hori.	5470.000	PK	42.8	31.7	5.5	33.5	-	46.5	68.2	21.7	
Hori.	5460.000	AV	34.4	31.7	5.5	33.5	0.3	38.4	53.9	15.5	*1)
Vert.	5460.000	PK	42.9	31.7	5.5	33.5	-	46.6	68.2	21.6	
Vert.	5470.000	PK	41.6	31.7	5.5	33.5	-	45.3	68.2	22.9	
Vert.	5460.000	AV	33.7	31.7	5.5	33.5	0.3	37.7	53.9	16.2	*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).

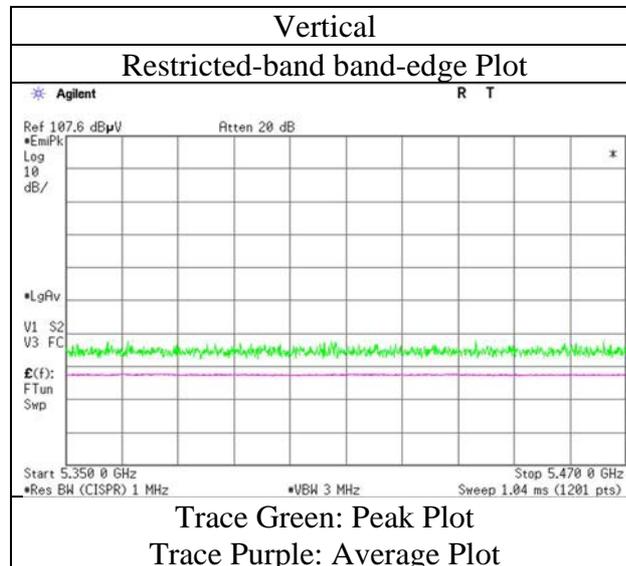
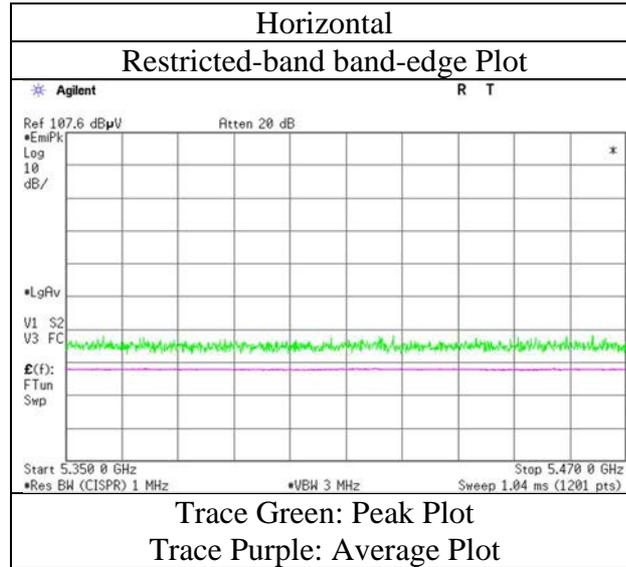
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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.

UL Japan, Inc.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	44.1	31.7	5.5	33.5	-	47.8	68.2	20.4	
Hori.	5470.000	PK	44.5	31.7	5.5	33.5	-	48.2	68.2	20.0	
Hori.	5460.000	AV	35.7	31.7	5.5	33.5	0.3	39.7	53.9	14.2	*1)
Vert.	5460.000	PK	42.9	31.7	5.5	33.5	-	46.6	68.2	21.6	
Vert.	5470.000	PK	43.8	31.7	5.5	33.5	-	47.5	68.2	20.7	
Vert.	5460.000	AV	34.5	31.7	5.5	33.5	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).

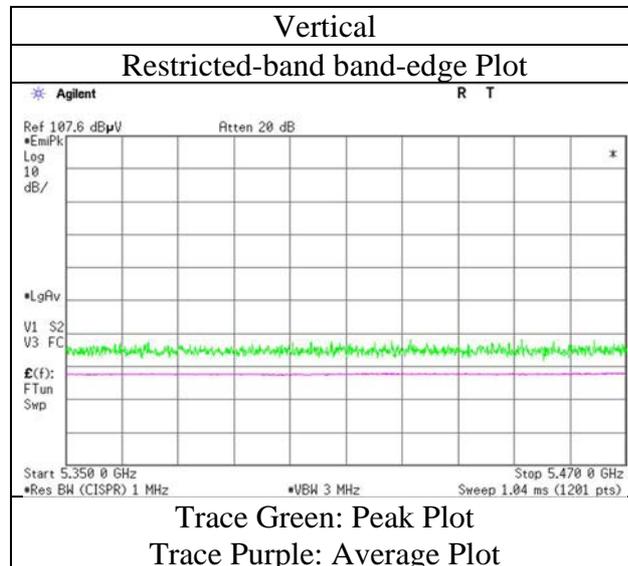
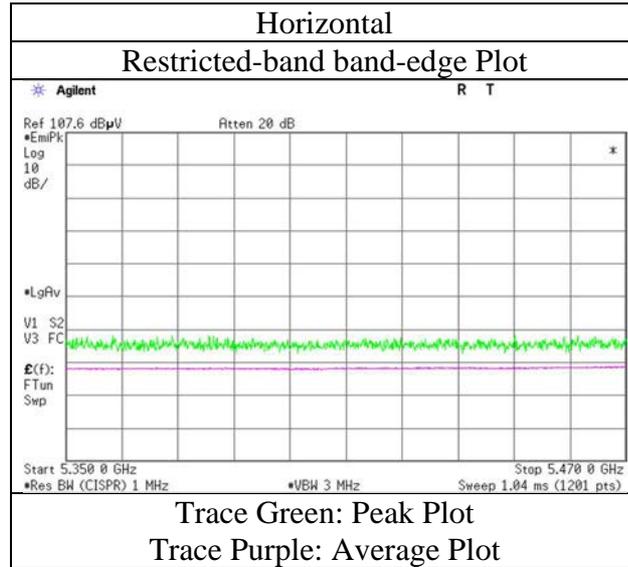
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	42.8	31.9	5.6	33.5	-	46.8	68.2	21.4	
Vert.	5725.000	PK	42.3	31.9	5.6	33.5	-	46.3	68.2	21.9	

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

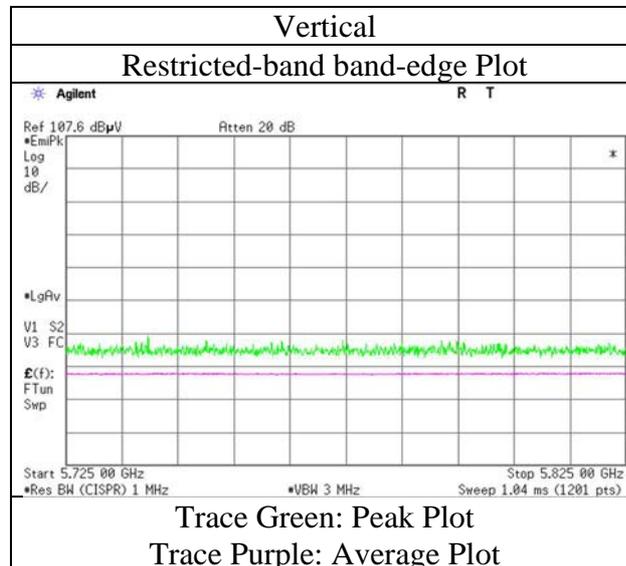
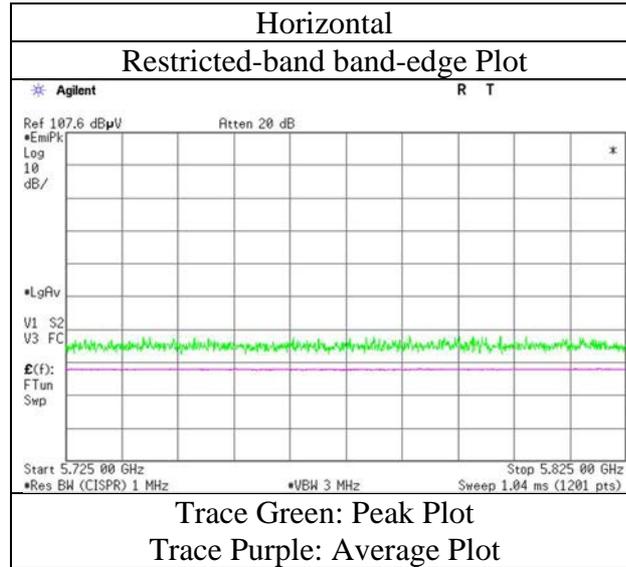
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	42.6	31.9	5.6	33.5	-	46.6	68.2	21.6	
Vert.	5725.000	PK	42.1	31.9	5.6	33.5	-	46.1	68.2	22.1	

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

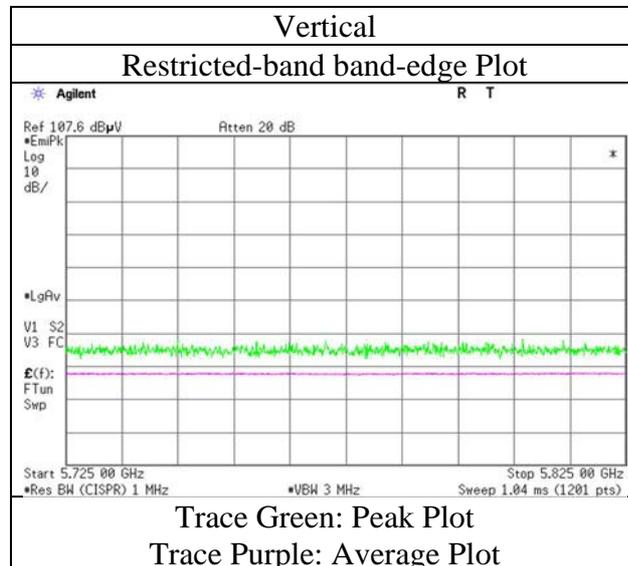
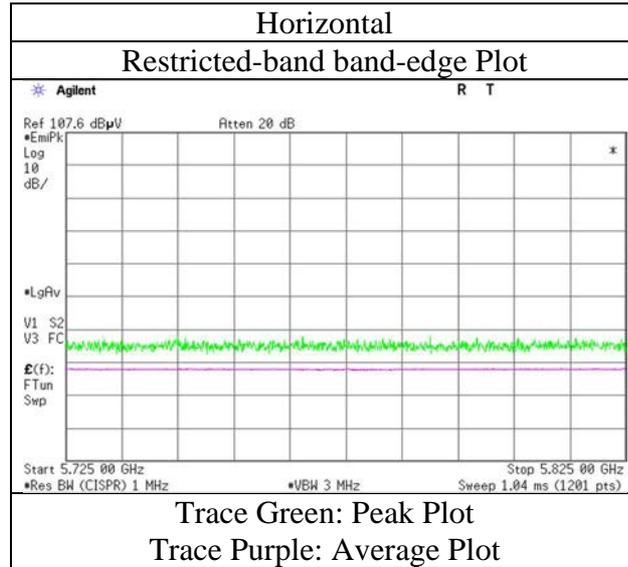
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	43.6	31.9	5.6	33.5	-	47.6	68.2	20.6	
Vert.	5725.000	PK	42.9	31.9	5.6	33.5	-	46.9	68.2	21.3	

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

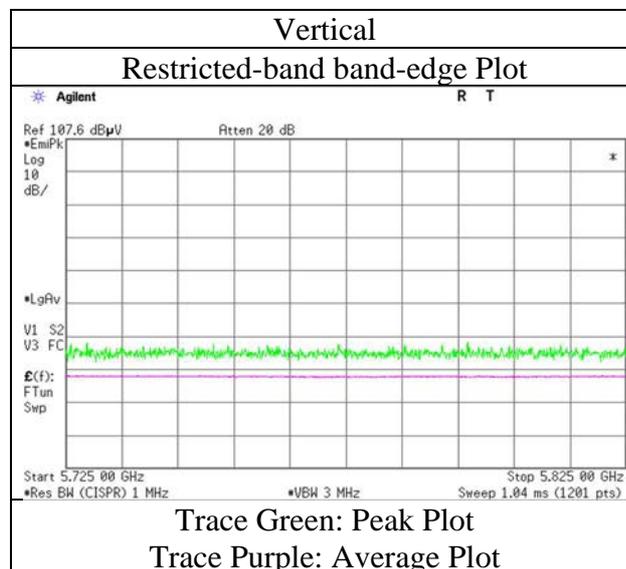
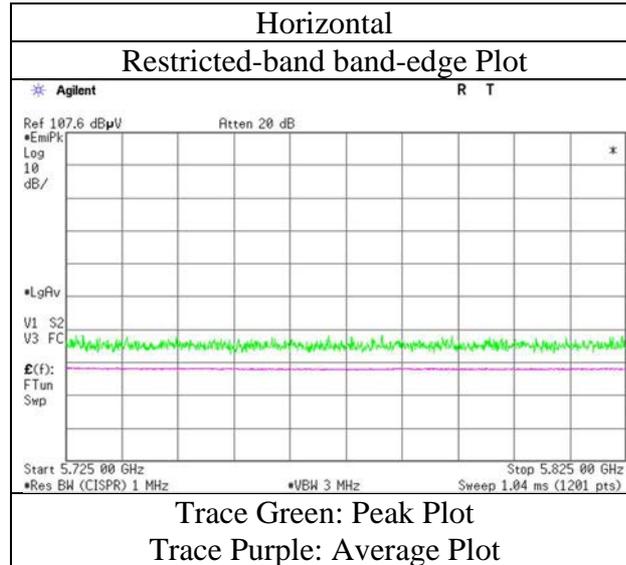
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	46.9	31.9	5.6	33.5	-	50.9	68.2	17.3	
Vert.	5725.000	PK	44.9	31.9	5.6	33.5	-	48.9	68.2	19.3	

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

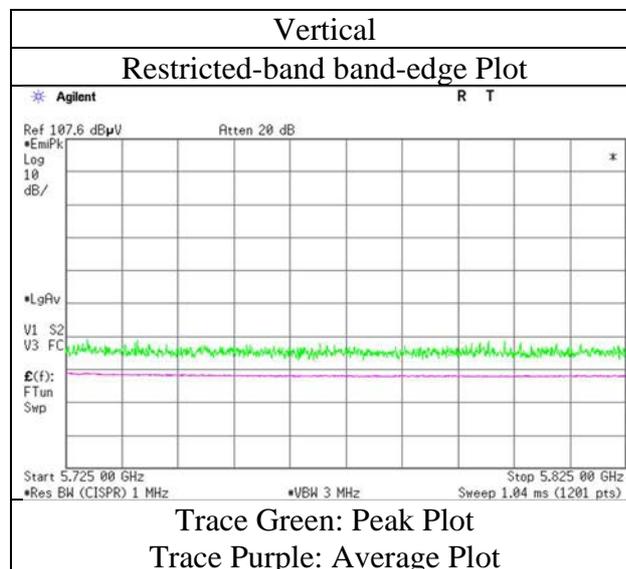
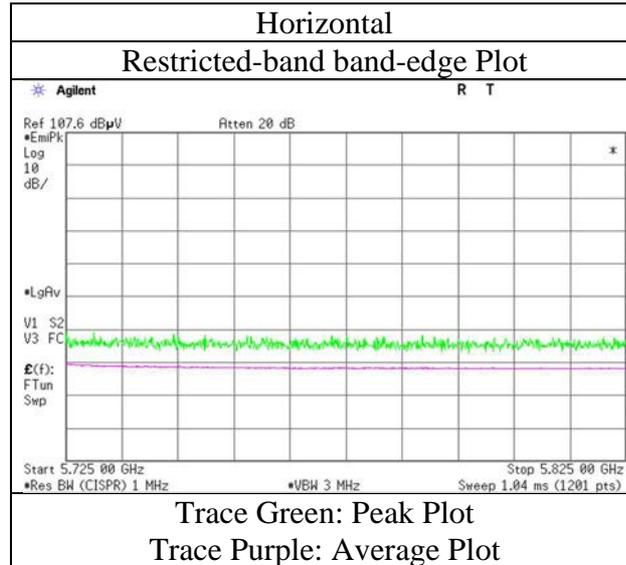
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % 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	43.4	31.8	5.6	33.5	-	47.2	68.2	21.0	
Hori.	5700.000	PK	42.5	31.8	5.6	33.5	-	46.4	105.2	58.8	
Hori.	5720.000	PK	42.9	31.9	5.6	33.5	-	46.8	110.8	64.0	
Hori.	5725.000	PK	43.9	31.9	5.6	33.5	-	47.9	122.2	74.3	
Vert.	5650.000	PK	41.9	31.8	5.6	33.5	-	45.8	68.2	22.4	
Vert.	5700.000	PK	42.6	31.8	5.6	33.5	-	46.5	105.2	58.7	
Vert.	5720.000	PK	42.5	31.9	5.6	33.5	-	46.5	110.8	64.3	
Vert.	5725.000	PK	43.8	31.9	5.6	33.5	-	47.7	122.2	74.5	

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

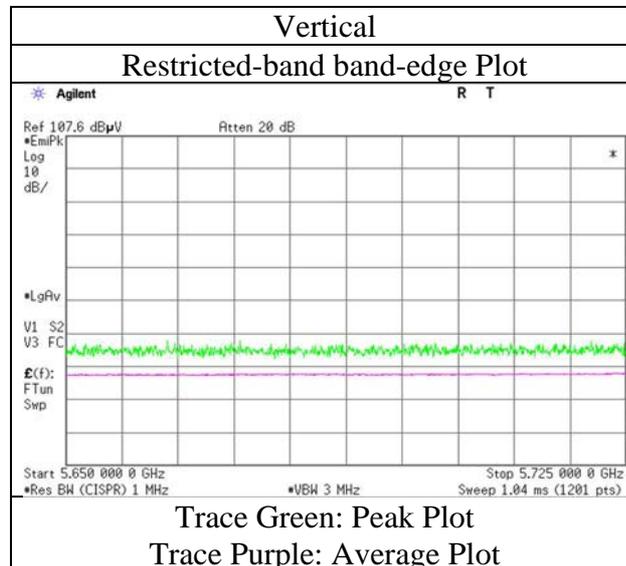
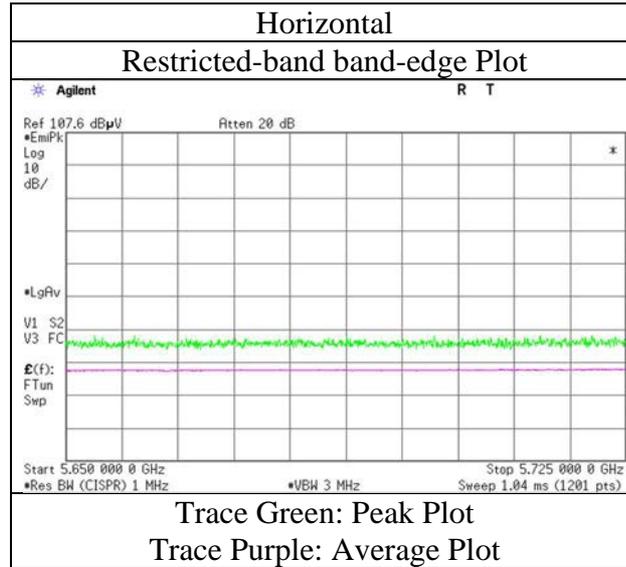
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % 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.

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % 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	42.9	31.8	5.6	33.5	-	46.7	68.2	21.5	
Hori.	5700.000	PK	41.5	31.8	5.6	33.5	-	45.4	105.2	59.8	
Hori.	5720.000	PK	42.4	31.9	5.6	33.5	-	46.4	110.8	64.4	
Hori.	5725.000	PK	42.9	31.9	5.6	33.5	-	46.9	122.2	75.3	
Vert.	5650.000	PK	42.4	31.8	5.6	33.5	-	46.2	68.2	22.0	
Vert.	5700.000	PK	42.4	31.8	5.6	33.5	-	46.3	105.2	58.9	
Vert.	5720.000	PK	42.4	31.9	5.6	33.5	-	46.4	110.8	64.4	
Vert.	5725.000	PK	42.8	31.9	5.6	33.5	-	46.8	122.2	75.4	

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

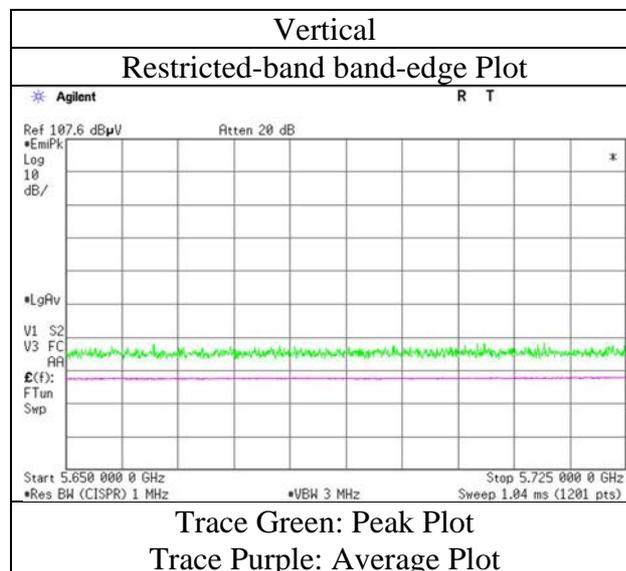
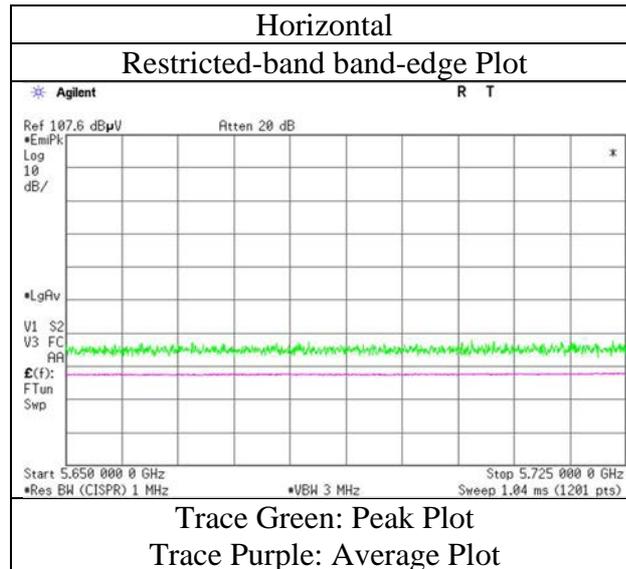
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % 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	42.7	31.8	5.6	33.5	-	46.6	68.2	21.6	
Hori.	5700.000	PK	42.4	31.8	5.6	33.5	-	46.4	105.2	58.8	
Hori.	5720.000	PK	43.5	31.9	5.6	33.5	-	47.5	110.8	63.3	
Hori.	5725.000	PK	43.9	31.9	5.6	33.5	-	47.9	122.2	74.3	
Vert.	5650.000	PK	42.4	31.8	5.6	33.5	-	46.3	68.2	21.9	
Vert.	5700.000	PK	42.7	31.8	5.6	33.5	-	46.6	105.2	58.6	
Vert.	5720.000	PK	43.1	31.9	5.6	33.5	-	47.1	110.8	63.7	
Vert.	5725.000	PK	44.8	31.9	5.6	33.5	-	48.8	122.2	73.4	

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

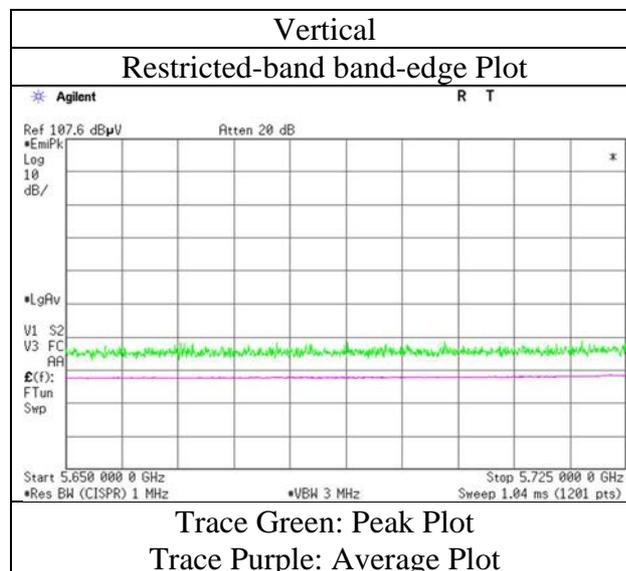
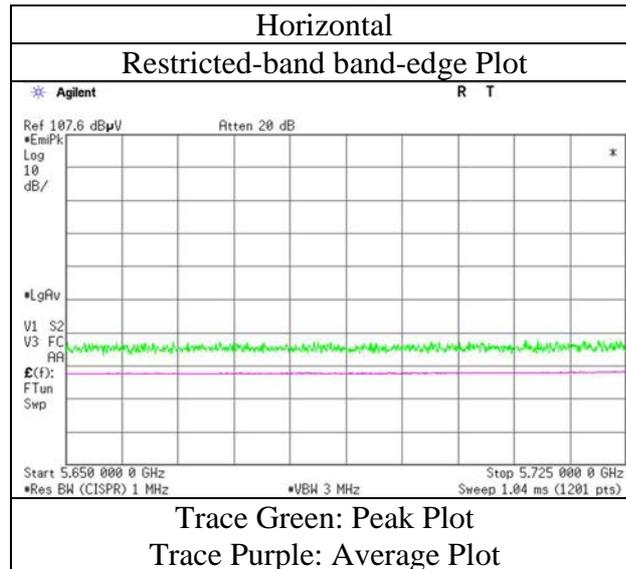
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % 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.

UL Japan, Inc.

Ise EMC Lab.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % 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	43.5	31.8	5.6	33.5	-	47.4	68.2	20.8	
Hori.	5700.000	PK	43.5	31.8	5.6	33.5	-	47.4	105.2	57.8	
Hori.	5720.000	PK	48.1	31.9	5.6	33.5	-	52.0	110.8	58.8	
Hori.	5725.000	PK	52.7	31.9	5.6	33.5	-	56.6	122.2	65.6	
Vert.	5650.000	PK	43.0	31.8	5.6	33.5	-	46.9	68.2	21.3	
Vert.	5700.000	PK	45.0	31.8	5.6	33.5	-	48.9	105.2	56.3	
Vert.	5720.000	PK	49.3	31.9	5.6	33.5	-	53.3	110.8	57.5	
Vert.	5725.000	PK	52.7	31.9	5.6	33.5	-	56.7	122.2	65.5	

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

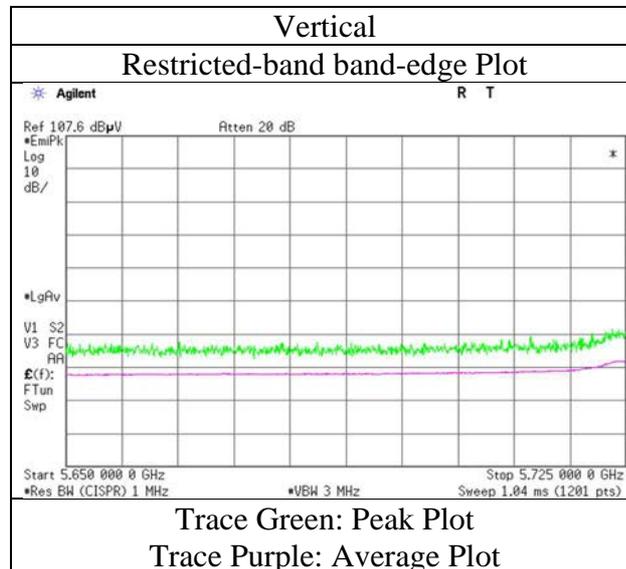
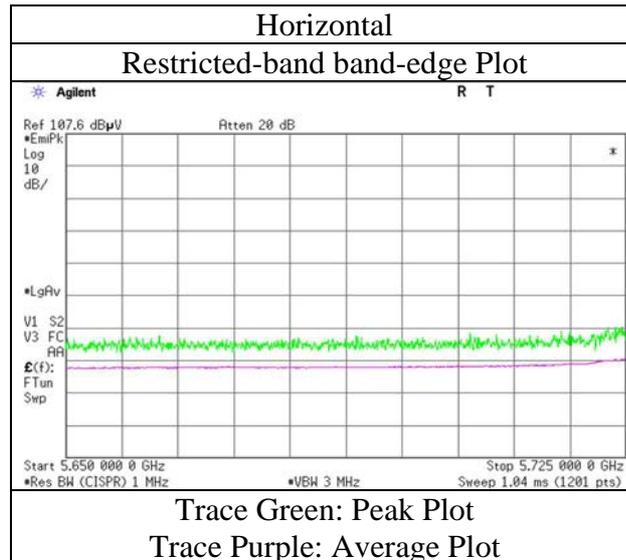
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(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	41.6	32.3	5.7	33.5	-	46.0	122.2	76.2	
Hori.	5855.000	PK	41.5	32.3	5.7	33.5	-	45.9	110.8	64.9	
Hori.	5875.000	PK	41.7	32.3	5.7	33.5	-	46.2	105.2	59.0	
Hori.	5925.000	PK	41.0	32.4	5.7	33.5	-	45.5	68.2	22.7	
Vert.	5850.000	PK	41.8	32.3	5.7	33.5	-	46.2	122.2	76.0	
Vert.	5855.000	PK	42.0	32.3	5.7	33.5	-	46.4	110.8	64.4	
Vert.	5875.000	PK	41.8	32.3	5.7	33.5	-	46.3	105.2	58.9	
Vert.	5925.000	PK	41.3	32.4	5.7	33.5	-	45.8	68.2	22.4	

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

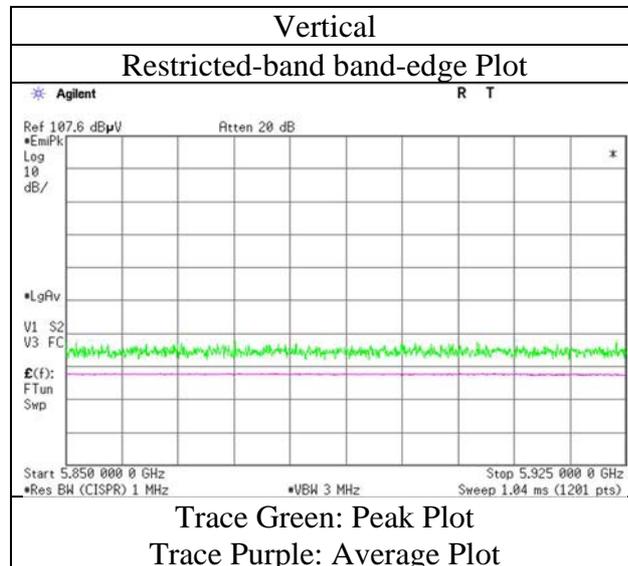
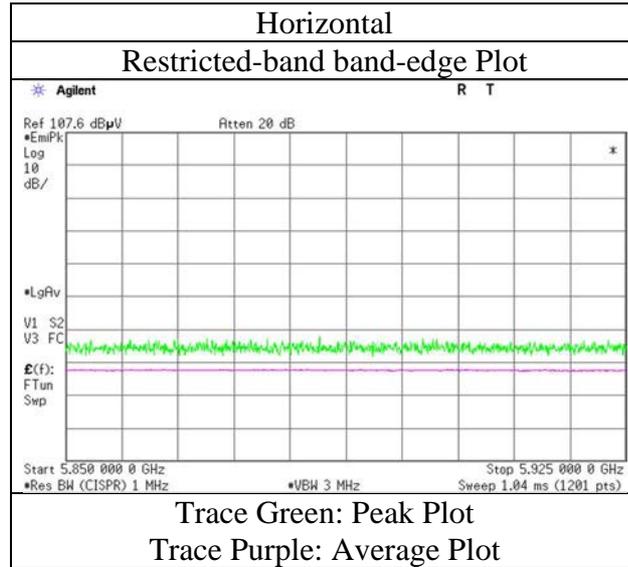
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(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	42.4	32.3	5.7	33.5	-	46.8	122.2	75.4	
Hori.	5855.000	PK	41.5	32.3	5.7	33.5	-	45.9	110.8	64.9	
Hori.	5875.000	PK	42.6	32.3	5.7	33.5	-	47.1	105.2	58.1	
Hori.	5925.000	PK	42.0	32.4	5.7	33.5	-	46.5	68.2	21.7	
Vert.	5850.000	PK	42.0	32.3	5.7	33.5	-	46.4	122.2	75.8	
Vert.	5855.000	PK	41.7	32.3	5.7	33.5	-	46.1	110.8	64.7	
Vert.	5875.000	PK	42.1	32.3	5.7	33.5	-	46.6	105.2	58.6	
Vert.	5925.000	PK	41.4	32.4	5.7	33.5	-	45.9	68.2	22.3	

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

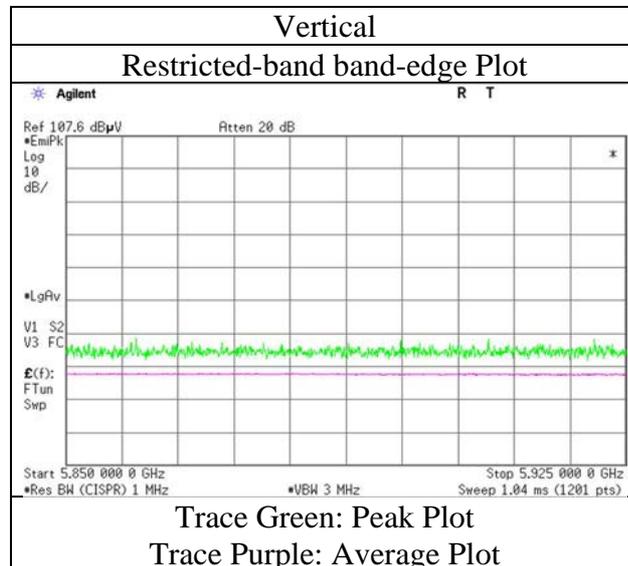
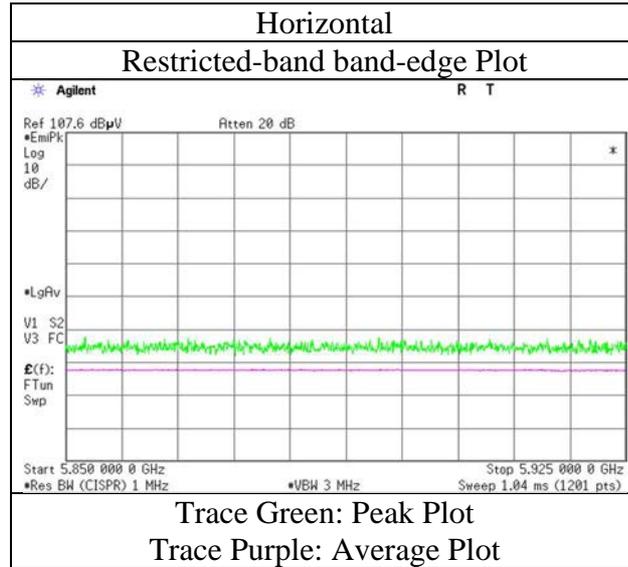
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(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	42.5	32.3	5.7	33.5	-	46.9	122.2	75.3	
Hori.	5855.000	PK	42.3	32.3	5.7	33.5	-	46.7	110.8	64.1	
Hori.	5875.000	PK	41.6	32.3	5.7	33.5	-	46.1	105.2	59.1	
Hori.	5925.000	PK	41.4	32.4	5.7	33.5	-	45.9	68.2	22.3	
Vert.	5850.000	PK	42.6	32.3	5.7	33.5	-	47.0	122.2	75.2	
Vert.	5855.000	PK	42.1	32.3	5.7	33.5	-	46.5	110.8	64.3	
Vert.	5875.000	PK	42.2	32.3	5.7	33.5	-	46.7	105.2	58.5	
Vert.	5925.000	PK	41.8	32.4	5.7	33.5	-	46.3	68.2	21.9	

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

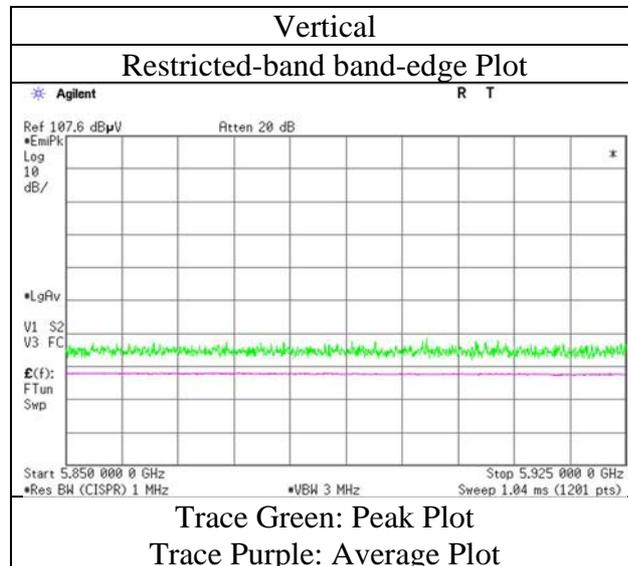
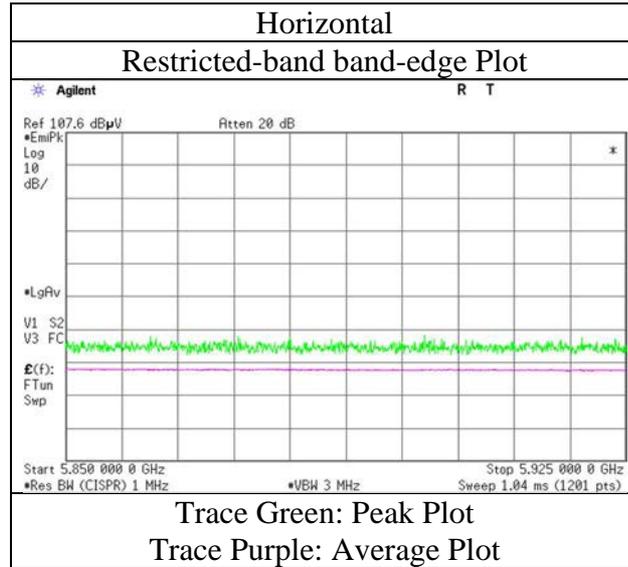
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (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.

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(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	47.5	32.3	5.7	33.5	-	51.9	122.2	70.3	
Hori.	5855.000	PK	44.8	32.3	5.7	33.5	-	49.2	110.8	61.6	
Hori.	5875.000	PK	43.1	32.3	5.7	33.5	-	47.6	105.2	57.6	
Hori.	5925.000	PK	41.2	32.4	5.7	33.5	-	45.7	68.2	22.5	
Vert.	5850.000	PK	46.6	32.3	5.7	33.5	-	51.0	122.2	71.2	
Vert.	5855.000	PK	43.7	32.3	5.7	33.5	-	48.1	110.8	62.7	
Vert.	5875.000	PK	42.8	32.3	5.7	33.5	-	47.3	105.2	57.9	
Vert.	5925.000	PK	42.4	32.4	5.7	33.5	-	46.9	68.2	21.3	

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

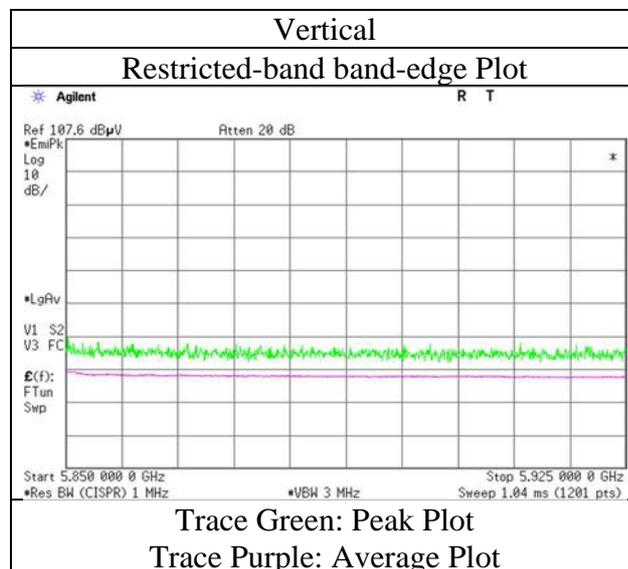
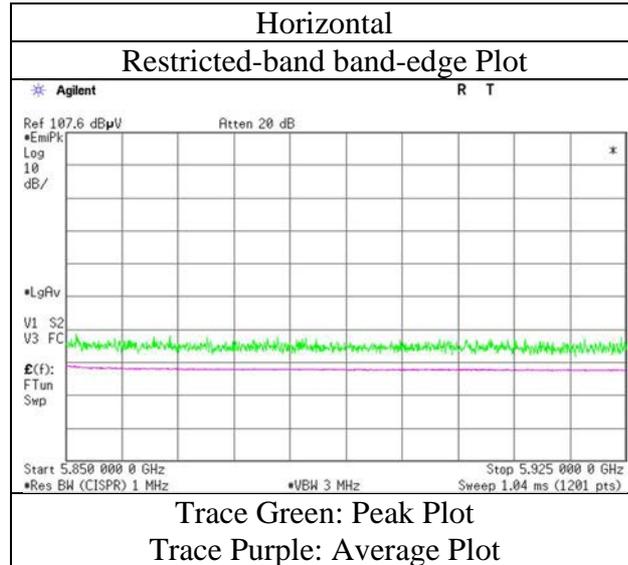
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	42.6	31.9	5.4	33.7	-	46.2	73.9	27.7	
Hori.	5150.000	AV	34.0	31.9	5.4	33.7	0.3	37.8	53.9	16.1	*1)
Vert.	5150.000	PK	42.5	31.9	5.4	33.7	-	46.1	73.9	27.8	
Vert.	5150.000	AV	33.9	31.9	5.4	33.7	0.3	37.7	53.9	16.2	*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).

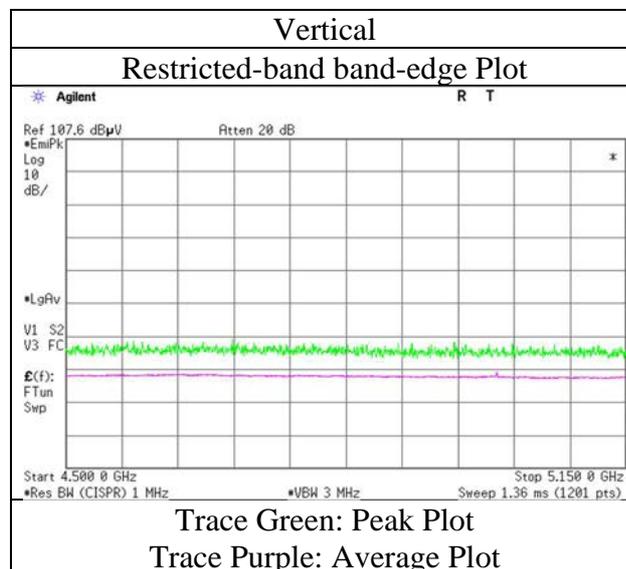
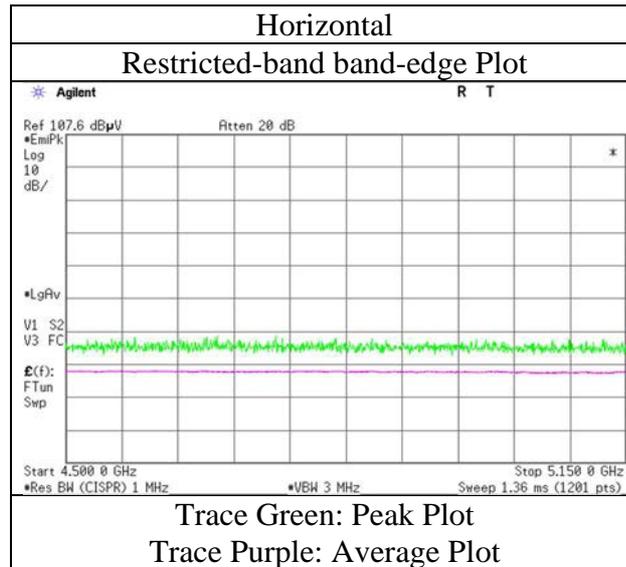
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	42.9	31.9	5.4	33.7	-	46.5	73.9	27.4	
Hori.	5150.000	AV	34.4	31.9	5.4	33.7	0.3	38.3	53.9	15.7	*1)
Vert.	5150.000	PK	42.3	31.9	5.4	33.7	-	45.9	73.9	28.0	
Vert.	5150.000	AV	34.0	31.9	5.4	33.7	0.3	37.9	53.9	16.1	*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).

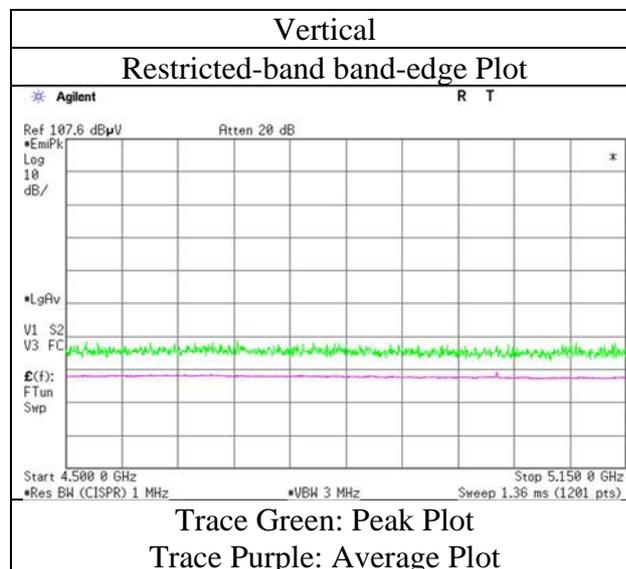
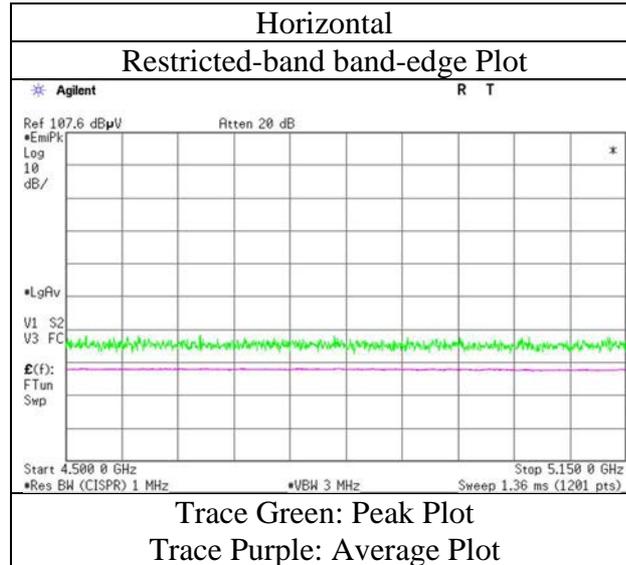
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m}/3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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.

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	43.0	31.9	5.4	33.7	-	46.6	73.9	27.3	
Hori.	5150.000	AV	34.7	31.9	5.4	33.7	0.3	38.5	53.9	15.4	*1)
Vert.	5150.000	PK	42.8	31.9	5.4	33.7	-	46.4	73.9	27.5	
Vert.	5150.000	AV	34.1	31.9	5.4	33.7	0.3	37.9	53.9	16.0	*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).

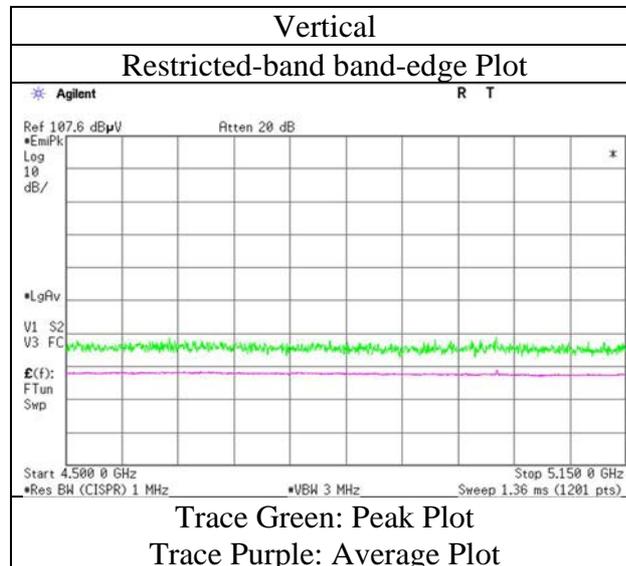
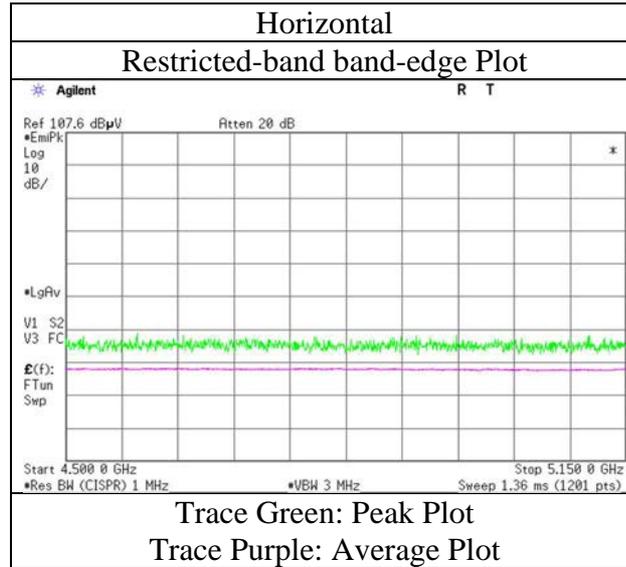
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	44.1	31.9	5.4	33.7	-	47.7	73.9	26.2	
Hori.	5150.000	AV	35.6	31.9	5.4	33.7	0.3	39.5	53.9	14.5	*1)
Vert.	5150.000	PK	42.9	31.9	5.4	33.7	-	46.5	73.9	27.4	
Vert.	5150.000	AV	34.5	31.9	5.4	33.7	0.3	38.4	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).

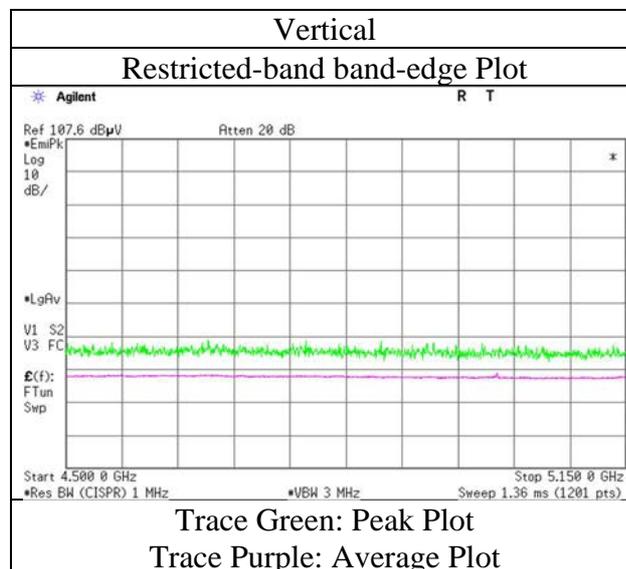
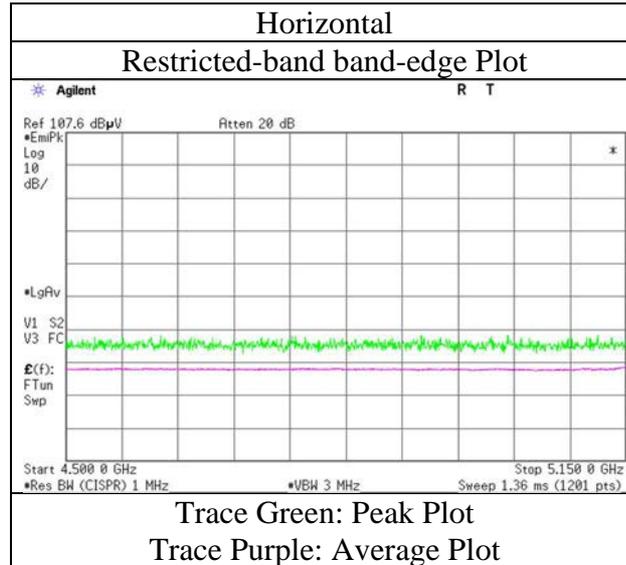
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(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	51.9	31.9	5.4	33.7	-	55.5	73.9	18.4	
Hori.	5150.000	AV	39.8	31.9	5.4	33.7	0.3	43.6	53.9	10.3	*1)
Vert.	5150.000	PK	48.2	31.9	5.4	33.7	-	51.8	73.9	22.1	
Vert.	5150.000	AV	37.1	31.9	5.4	33.7	0.3	40.9	53.9	13.0	*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).

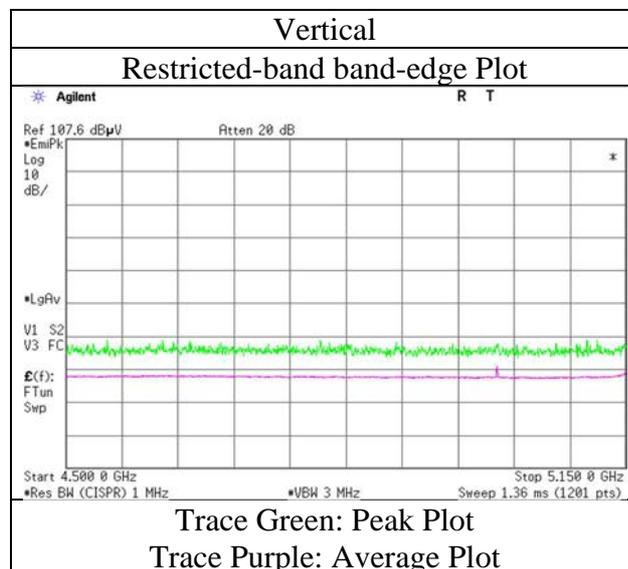
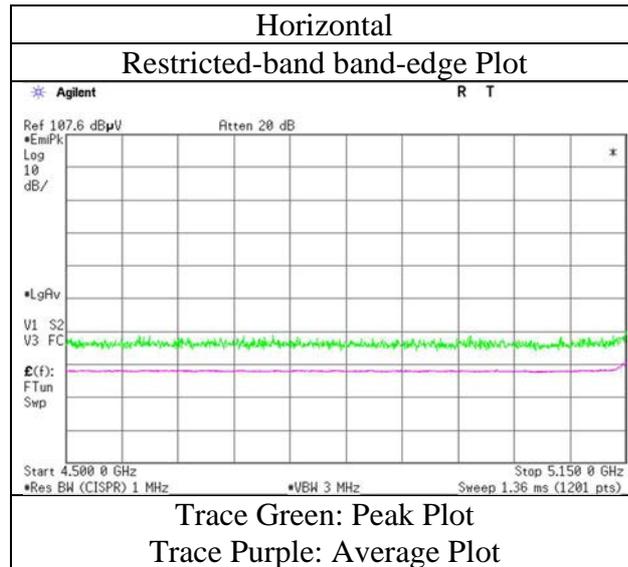
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	42.1	31.5	5.5	33.6	-	45.5	73.9	28.4	
Hori.	5350.000	AV	33.8	31.5	5.5	33.6	0.3	37.5	53.9	16.5	*1)
Vert.	5350.000	PK	42.7	31.5	5.5	33.6	-	46.1	73.9	27.8	
Vert.	5350.000	AV	34.3	31.5	5.5	33.6	0.3	38.0	53.9	16.0	*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).

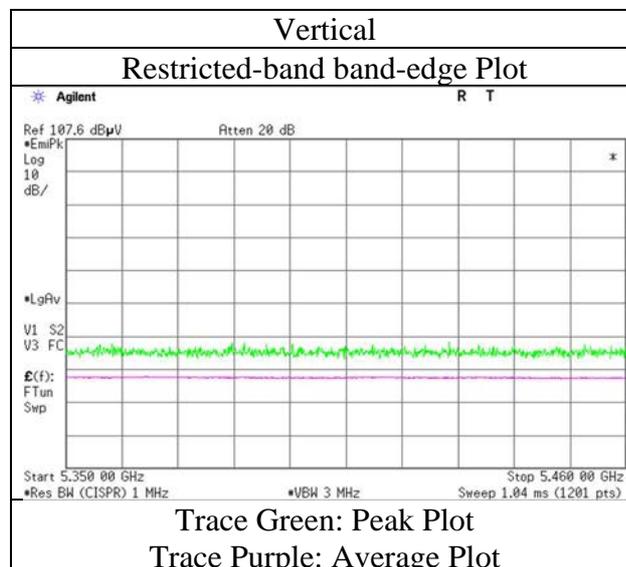
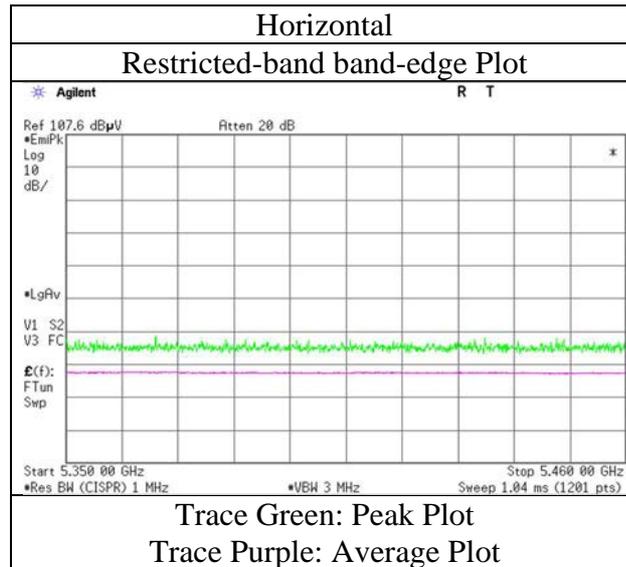
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(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	45.0	31.5	5.5	33.6	-	48.4	73.9	25.5	
Hori.	5350.000	AV	35.9	31.5	5.5	33.6	0.3	39.6	53.9	14.3	*1)
Vert.	5350.000	PK	42.3	31.5	5.5	33.6	-	45.7	73.9	28.2	
Vert.	5350.000	AV	33.9	31.5	5.5	33.6	0.3	37.6	53.9	16.3	*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).

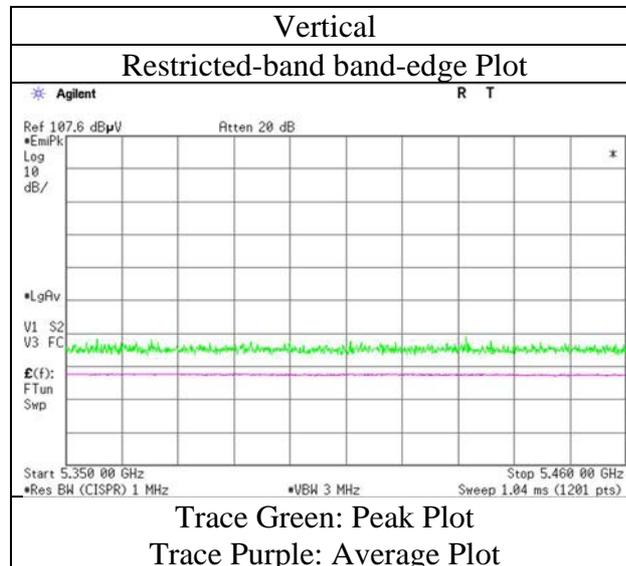
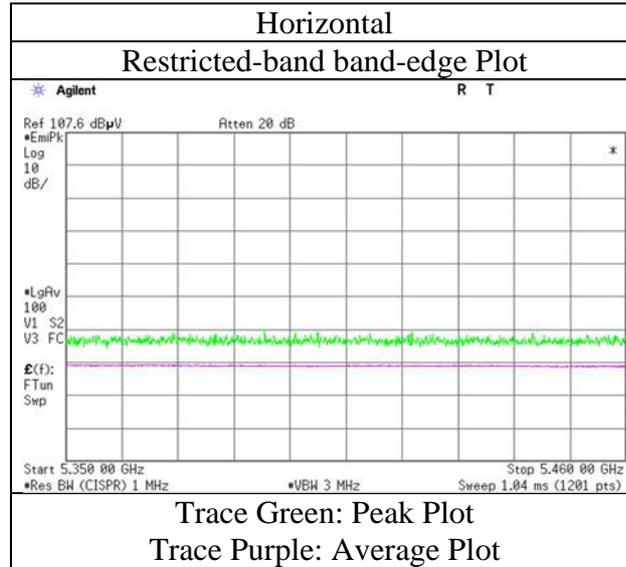
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (52-tone RU)

RU Index 44



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5310 MHz (106-tone RU)

RU Index 56

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	44.1	31.5	5.5	33.6	-	47.5	73.9	26.4	
Hori.	5350.000	AV	36.3	31.5	5.5	33.6	0.3	40.0	53.9	14.0	*1)
Vert.	5350.000	PK	42.6	31.5	5.5	33.6	-	46.0	73.9	27.9	
Vert.	5350.000	AV	34.3	31.5	5.5	33.6	0.3	38.0	53.9	16.0	*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).

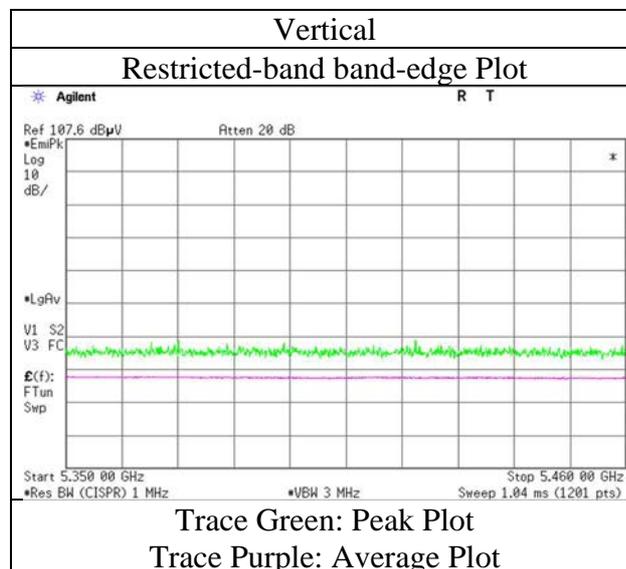
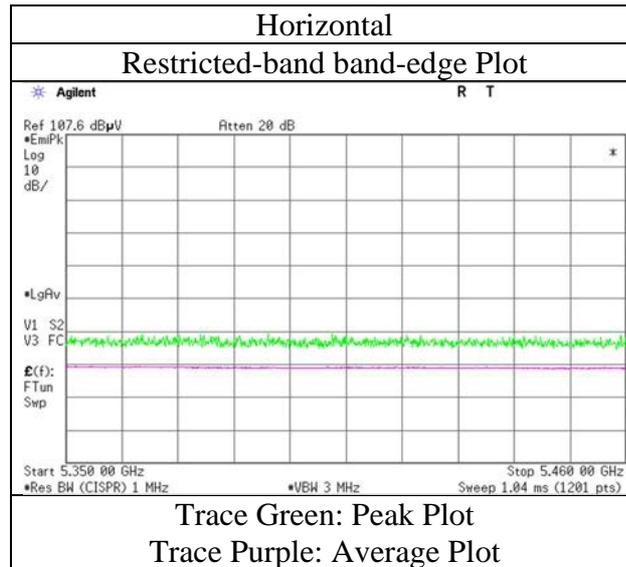
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (106-tone RU)

RU Index 56



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5310 MHz (242-tone RU)

RU Index 62

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	45.9	31.5	5.5	33.6	-	49.3	73.9	24.6	
Hori.	5350.000	AV	37.5	31.5	5.5	33.6	0.3	41.2	53.9	12.7	*1)
Vert.	5350.000	PK	43.2	31.5	5.5	33.6	-	46.6	73.9	27.3	
Vert.	5350.000	AV	34.6	31.5	5.5	33.6	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).

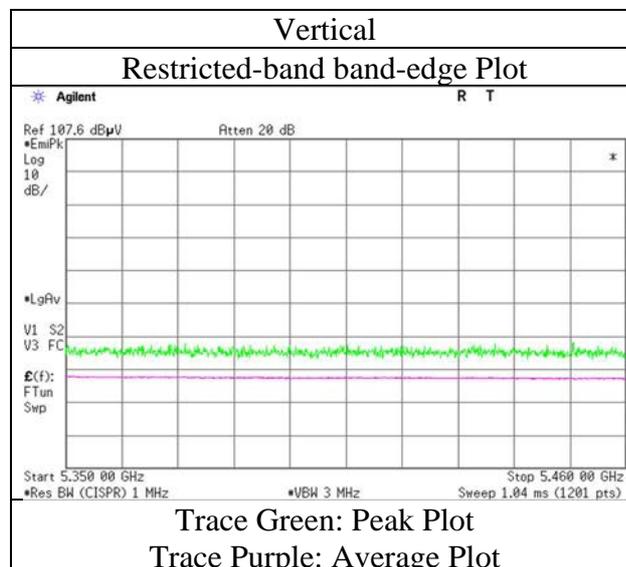
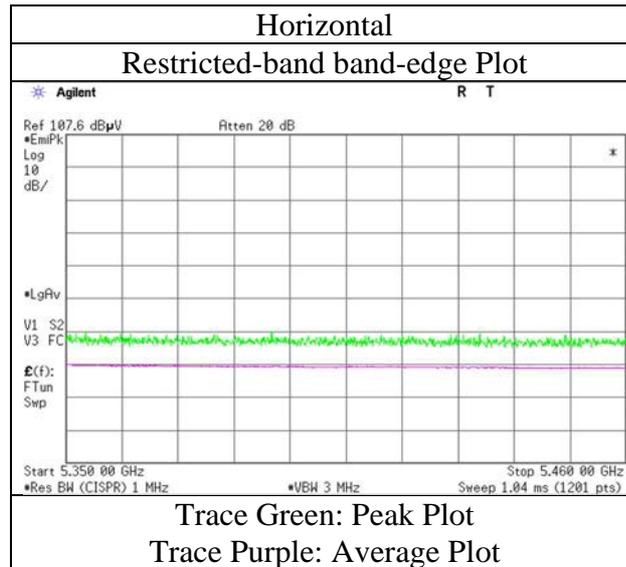
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 MHz (242-tone RU)

RU Index 62



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5310 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.	5350.000	PK	57.2	31.5	5.5	33.6	-	60.6	73.9	13.3	
Hori.	5350.000	AV	46.8	31.5	5.5	33.6	0.3	50.5	53.9	3.5	*1)
Vert.	5350.000	PK	48.6	31.5	5.5	33.6	-	52.0	73.9	21.9	
Vert.	5350.000	AV	39.1	31.5	5.5	33.6	0.3	42.8	53.9	11.2	*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).

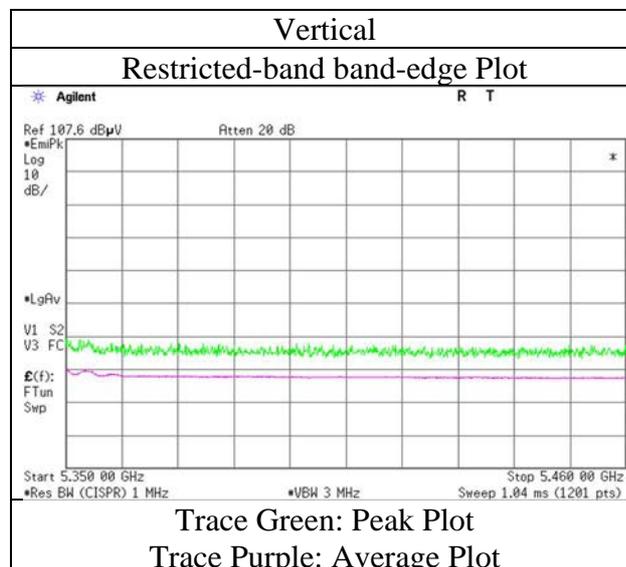
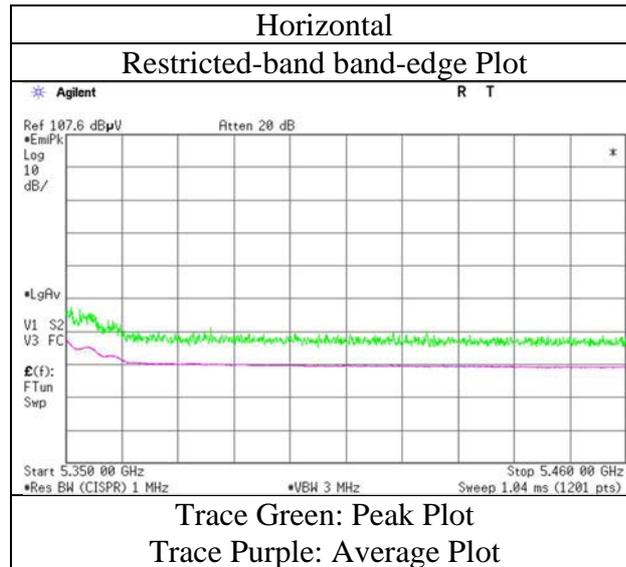
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5310 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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.1
Date March 9, 2021
Temperature / Humidity 22 deg. C / 30 % RH
Engineer Takafumi Noguchi
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5510 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	44.4	31.7	6.3	35.7	-	46.7	68.2	21.5	
Hori.	5470.000	PK	44.5	31.8	6.3	35.7	-	46.9	68.2	21.4	
Hori.	5460.000	AV	34.9	31.7	6.3	35.7	0.3	37.5	53.9	16.4	*1)
Vert.	5460.000	PK	44.4	31.7	6.3	35.7	-	46.7	68.2	21.5	
Vert.	5470.000	PK	44.5	31.8	6.3	35.7	-	46.9	68.2	21.4	
Vert.	5460.000	AV	34.8	31.7	6.3	35.7	0.3	37.4	53.9	16.5	*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).

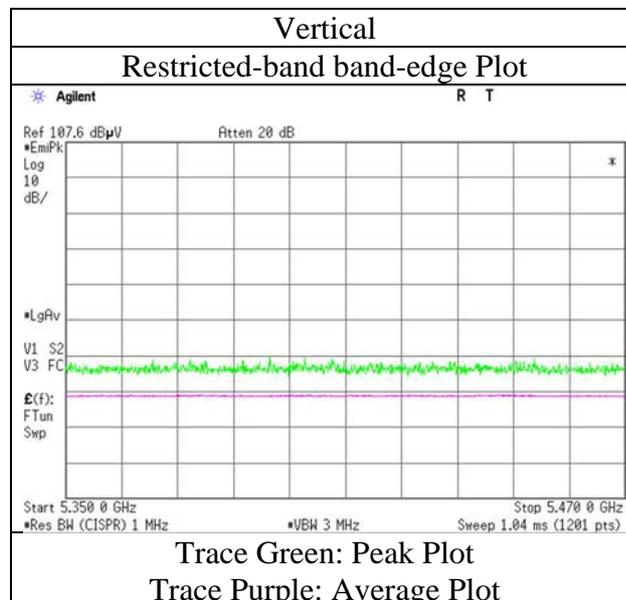
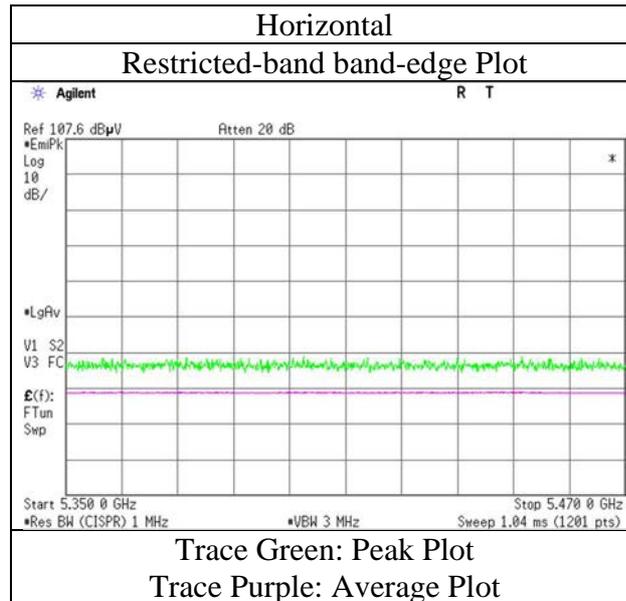
Distance factor: 1 GHz - 10 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.1
Date	March 9, 2021
Temperature / Humidity	22 deg. C / 30 % RH
Engineer	Takafumi Noguchi
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5510 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.	5460.000	PK	41.8	31.7	5.5	33.5	-	45.5	68.2	22.7	
Hori.	5470.000	PK	42.7	31.7	5.5	33.5	-	46.4	68.2	21.8	
Hori.	5460.000	AV	34.0	31.7	5.5	33.5	0.3	38.0	53.9	15.9	*1)
Vert.	5460.000	PK	41.6	31.7	5.5	33.5	-	45.3	68.2	22.9	
Vert.	5470.000	PK	42.0	31.7	5.5	33.5	-	45.7	68.2	22.5	
Vert.	5460.000	AV	33.5	31.7	5.5	33.5	0.3	37.5	53.9	16.4	*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).

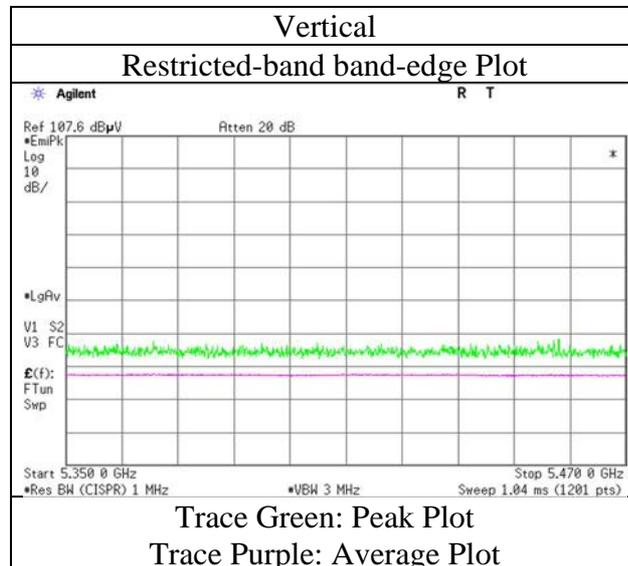
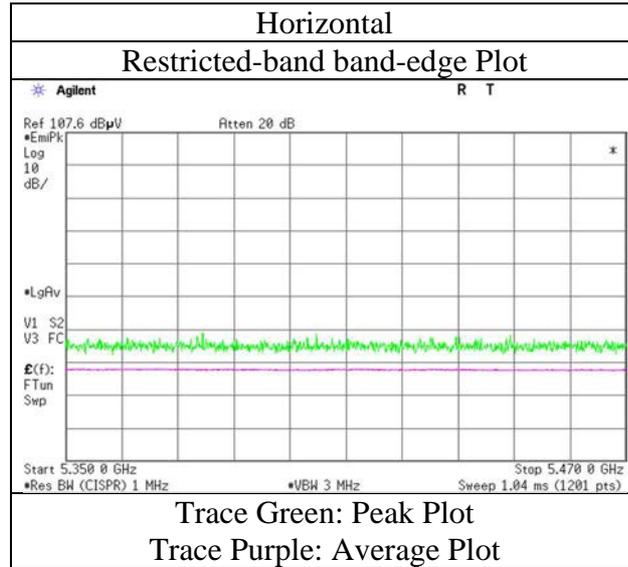
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5510 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	42.3	31.7	5.5	33.5	-	46.0	68.2	22.2	
Hori.	5470.000	PK	43.2	31.7	5.5	33.5	-	46.9	68.2	21.3	
Hori.	5460.000	AV	34.1	31.7	5.5	33.5	0.3	38.1	53.9	15.8	*1)
Vert.	5460.000	PK	41.9	31.7	5.5	33.5	-	45.6	68.2	22.6	
Vert.	5470.000	PK	42.1	31.7	5.5	33.5	-	45.8	68.2	22.4	
Vert.	5460.000	AV	33.7	31.7	5.5	33.5	0.3	37.7	53.9	16.2	*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).

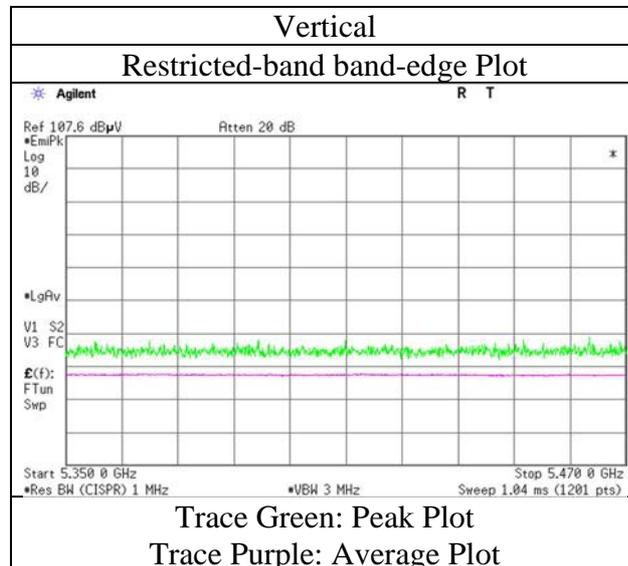
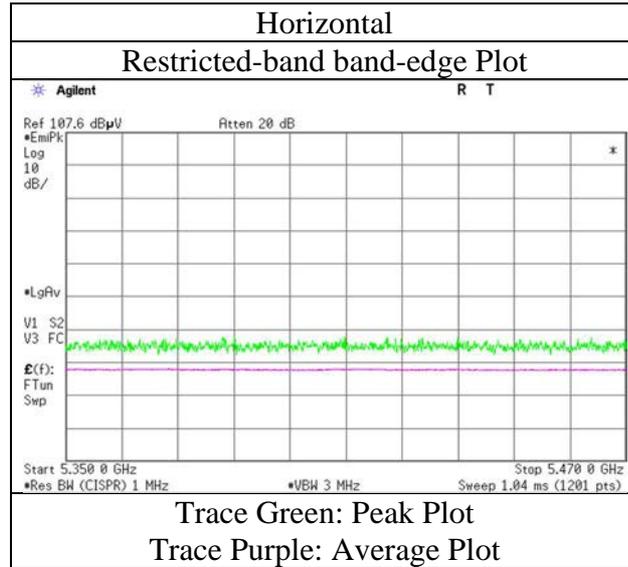
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5510 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	42.5	31.7	5.5	33.5	-	46.2	68.2	22.0	
Hori.	5470.000	PK	43.8	31.7	5.5	33.5	-	47.5	68.2	20.7	
Hori.	5460.000	AV	34.5	31.7	5.5	33.5	0.3	38.5	53.9	15.4	*1)
Vert.	5460.000	PK	41.9	31.7	5.5	33.5	-	45.6	68.2	22.6	
Vert.	5470.000	PK	42.3	31.7	5.5	33.5	-	46.0	68.2	22.2	
Vert.	5460.000	AV	33.9	31.7	5.5	33.5	0.3	37.9	53.9	16.0	*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).

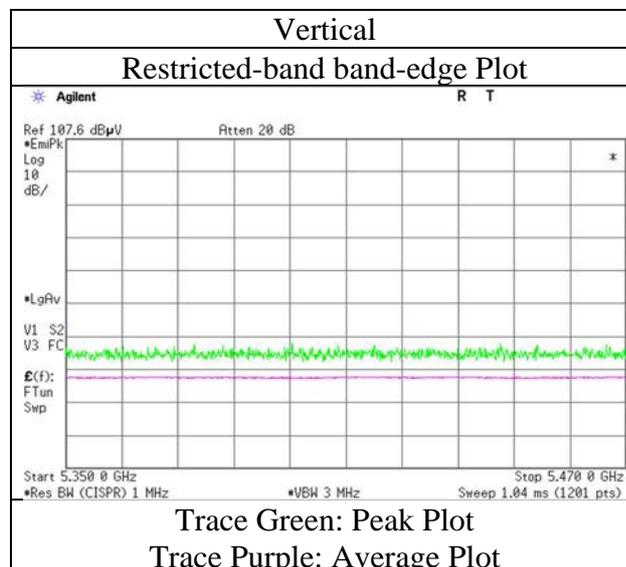
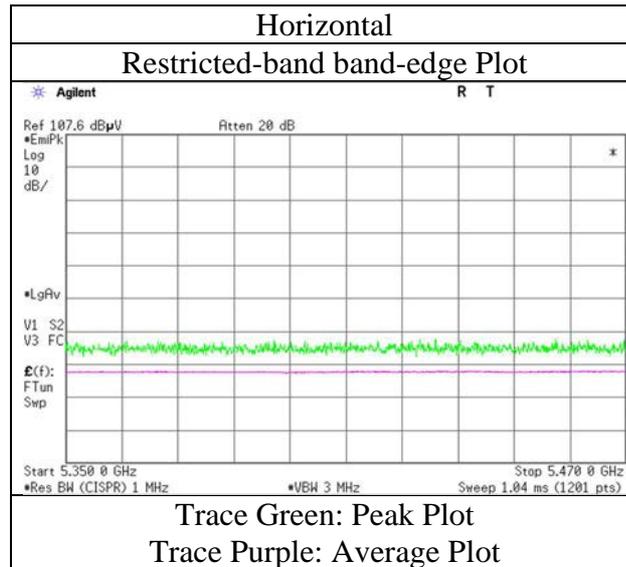
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5510 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.	5460.000	PK	46.3	31.7	5.5	33.5	-	50.0	68.2	18.2	
Hori.	5470.000	PK	50.5	31.7	5.5	33.5	-	54.2	68.2	14.0	
Hori.	5460.000	AV	36.6	31.7	5.5	33.5	0.3	40.6	53.9	13.3	*1)
Vert.	5460.000	PK	43.5	31.7	5.5	33.5	-	47.2	68.2	21.0	
Vert.	5470.000	PK	44.2	31.7	5.5	33.5	-	47.9	68.2	20.3	
Vert.	5460.000	AV	34.7	31.7	5.5	33.5	0.3	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).

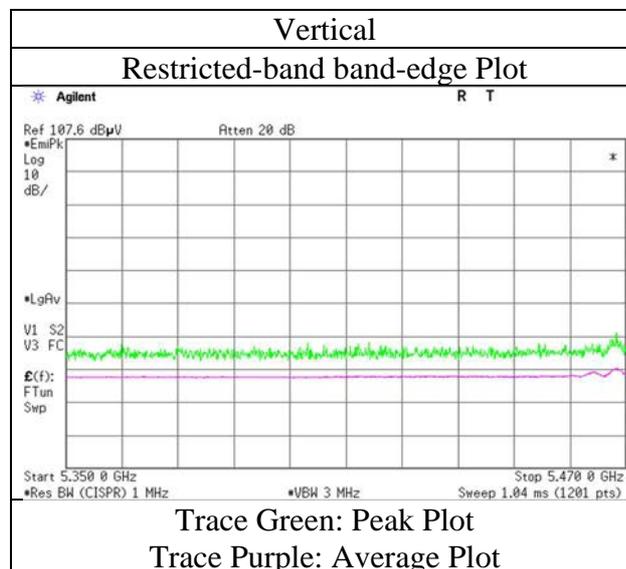
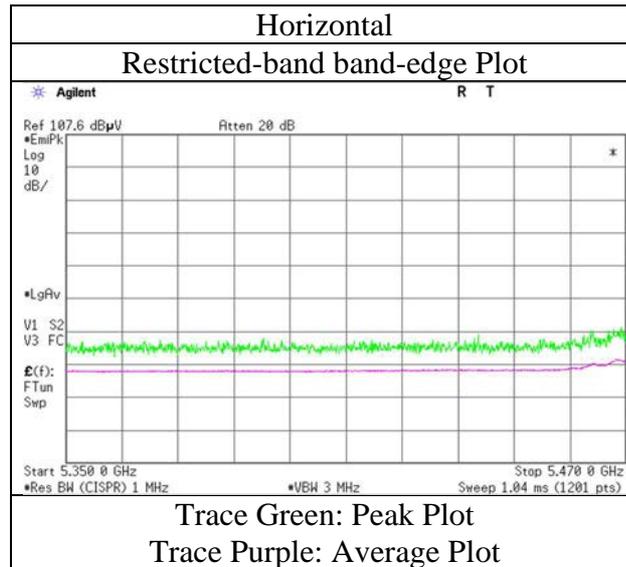
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5510 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

Report No. 13671150H
 Test place Ise EMC Lab.
 Semi Anechoic Chamber No.2
 Date January 25, 2021
 Temperature / Humidity 22 deg. C / 48 % RH
 Engineer Akihiko Maeda
 (1 GHz - 10 GHz)
 Mode Tx 11ax-40 5670 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.	5725.000	PK	42.4	31.9	5.6	33.5	-	46.4	68.2	21.8	
Vert.	5725.000	PK	42.0	31.9	5.6	33.5	-	46.0	68.2	22.2	

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

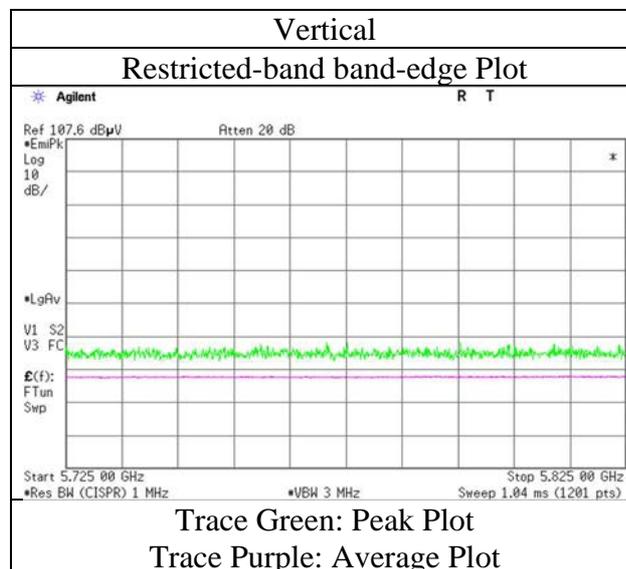
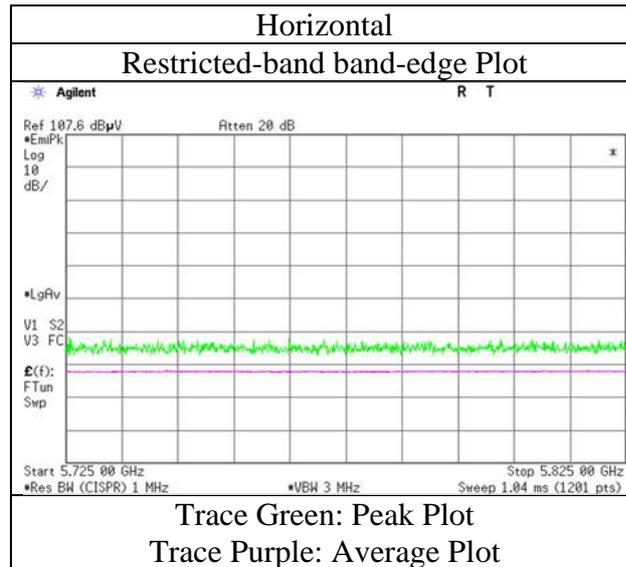
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 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

Report No. 13671150H
 Test place Ise EMC Lab.
 Semi Anechoic Chamber No.2
 Date January 25, 2021
 Temperature / Humidity 22 deg. C / 48 % RH
 Engineer Akihiko Maeda
 (1 GHz - 10 GHz)
 Mode Tx 11ax-40 5670 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.	5725.000	PK	42.5	31.9	5.6	33.5	-	46.5	68.2	21.7	
Vert.	5725.000	PK	42.2	31.9	5.6	33.5	-	46.2	68.2	22.0	

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

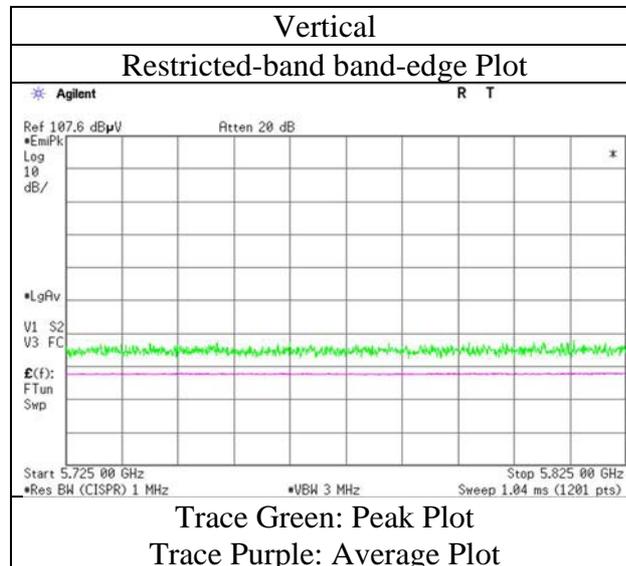
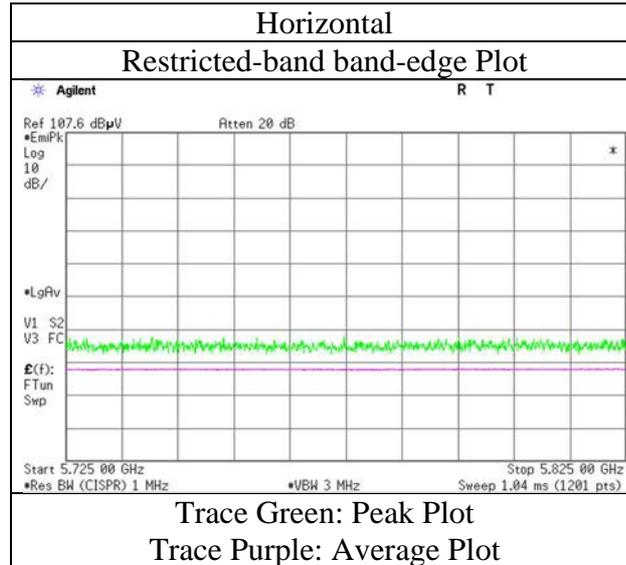
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (52-tone RU)

RU Index 44



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5670 MHz (106-tone RU)

RU Index 56

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	42.3	31.9	5.6	33.5	-	46.3	68.2	21.9	
Vert.	5725.000	PK	42.2	31.9	5.6	33.5	-	46.2	68.2	22.0	

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

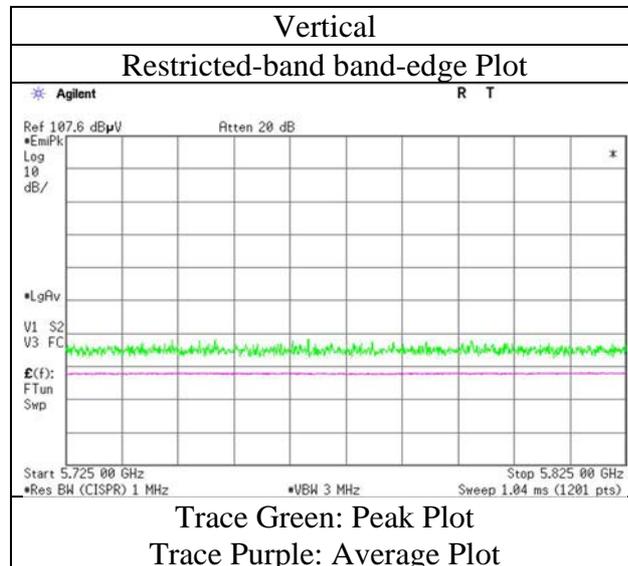
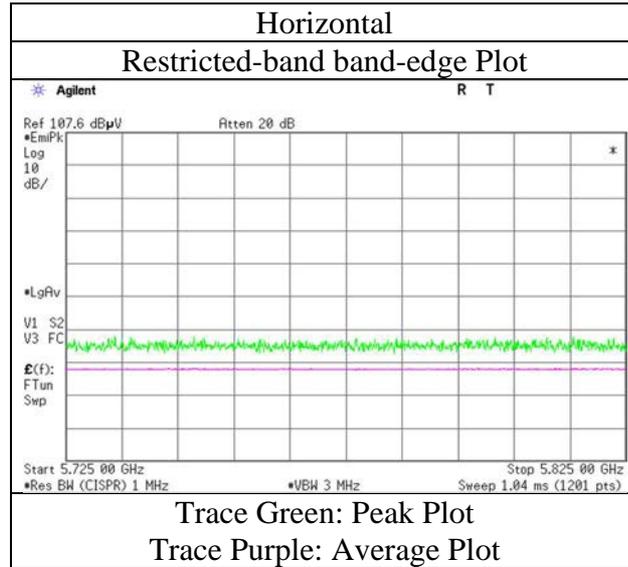
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (106-tone RU)

RU Index 56



* 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

Report No. 13671150H
 Test place Ise EMC Lab.
 Semi Anechoic Chamber No.2
 Date January 25, 2021
 Temperature / Humidity 22 deg. C / 48 % RH
 Engineer Akihiko Maeda
 (1 GHz - 10 GHz)
 Mode Tx 11ax-40 5670 MHz (242-tone RU)

RU Index 62

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	43.6	31.9	5.6	33.5	-	47.6	68.2	20.6	
Vert.	5725.000	PK	43.4	31.9	5.6	33.5	-	47.4	68.2	20.8	

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

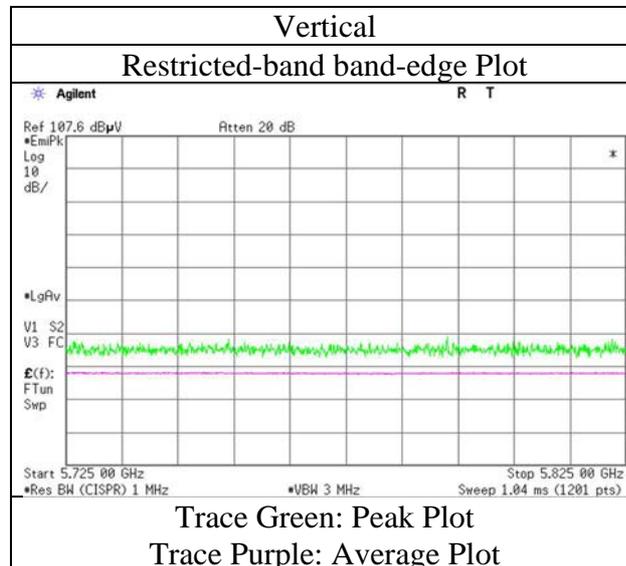
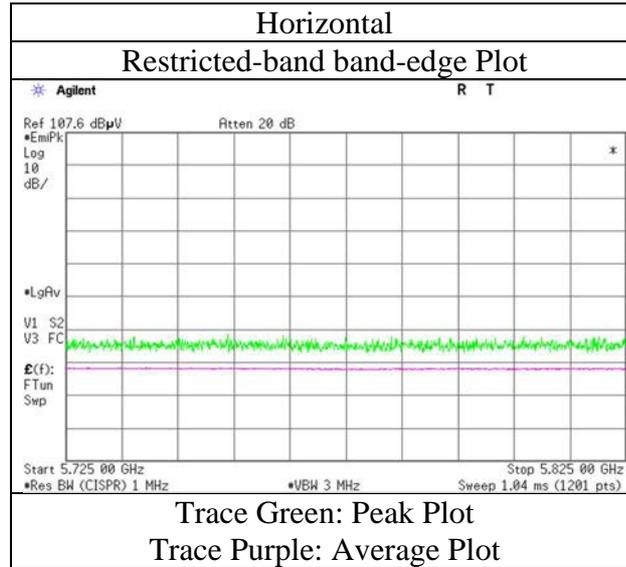
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 MHz (242-tone RU)

RU Index 62



* 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

Report No. 13671150H
 Test place Ise EMC Lab.
 Semi Anechoic Chamber No.2
 Date January 25, 2021
 Temperature / Humidity 22 deg. C / 48 % RH
 Engineer Akihiko Maeda
 (1 GHz - 10 GHz)
 Mode Tx 11ax-40 5670 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.	5725.000	PK	44.2	31.9	5.6	33.5	-	48.2	68.2	20.0	
Vert.	5725.000	PK	44.6	31.9	5.6	33.5	-	48.6	68.2	19.6	

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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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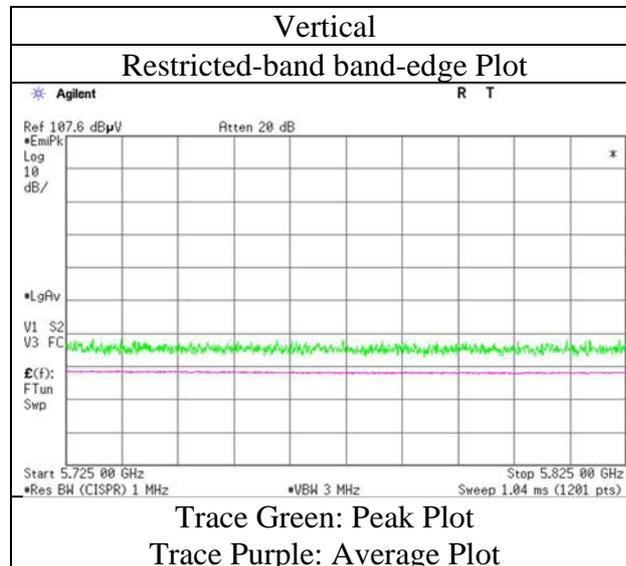
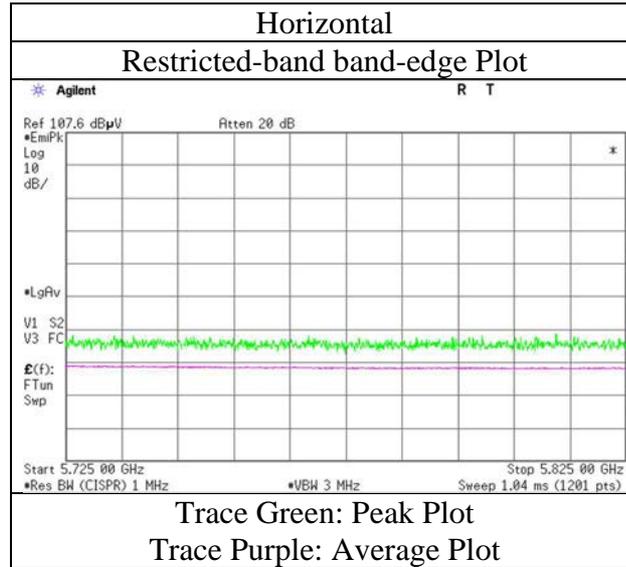
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5670 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.

UL Japan, Inc.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5755 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	42.5	31.8	5.6	33.5	-	46.4	68.2	21.8	
Hori.	5700.000	PK	42.5	31.8	5.6	33.5	-	46.4	105.2	58.8	
Hori.	5720.000	PK	42.6	31.9	5.6	33.5	-	46.6	110.8	64.3	
Hori.	5725.000	PK	45.5	31.9	5.6	33.5	-	49.5	122.2	72.7	
Vert.	5650.000	PK	42.1	31.8	5.6	33.5	-	45.9	68.2	22.3	
Vert.	5700.000	PK	42.1	31.8	5.6	33.5	-	46.1	105.2	59.1	
Vert.	5720.000	PK	42.6	31.9	5.6	33.5	-	46.6	110.8	64.2	
Vert.	5725.000	PK	43.5	31.9	5.6	33.5	-	47.5	122.2	74.7	

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

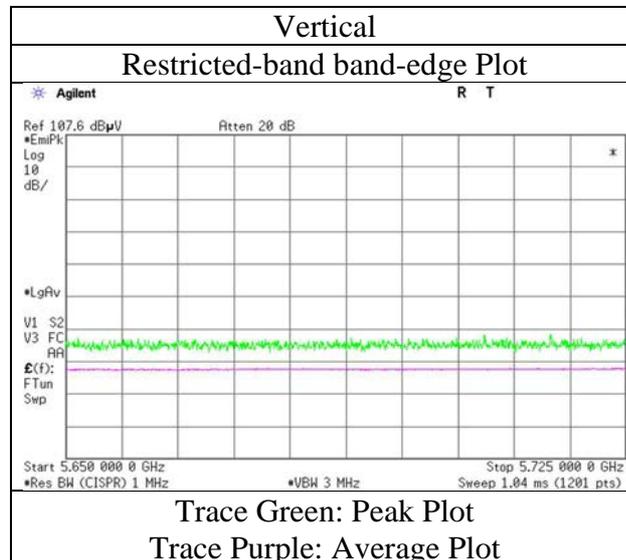
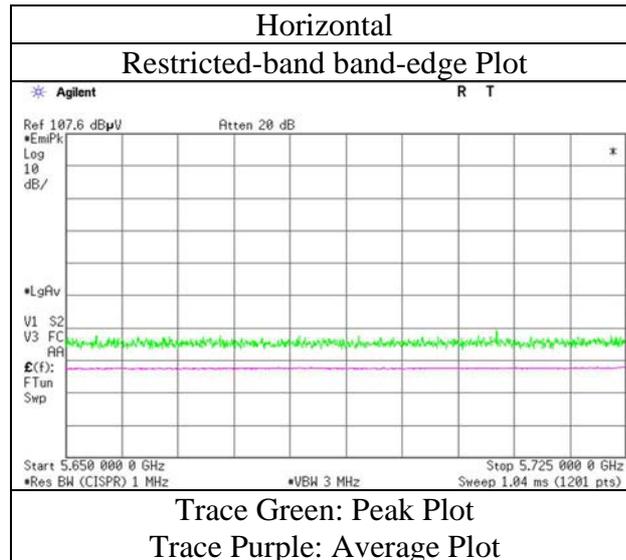
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5755 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5755 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	41.9	31.8	5.6	33.5	-	45.7	68.2	22.5	
Hori.	5700.000	PK	42.4	31.8	5.6	33.5	-	46.3	105.2	58.9	
Hori.	5720.000	PK	42.8	31.9	5.6	33.5	-	46.8	110.8	64.0	
Hori.	5725.000	PK	46.4	31.9	5.6	33.5	-	50.4	122.2	71.9	
Vert.	5650.000	PK	41.8	31.8	5.6	33.5	-	45.7	68.2	22.5	
Vert.	5700.000	PK	42.0	31.8	5.6	33.5	-	46.0	105.2	59.3	
Vert.	5720.000	PK	42.3	31.9	5.6	33.5	-	46.3	110.8	64.5	
Vert.	5725.000	PK	44.1	31.9	5.6	33.5	-	48.0	122.2	74.2	

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

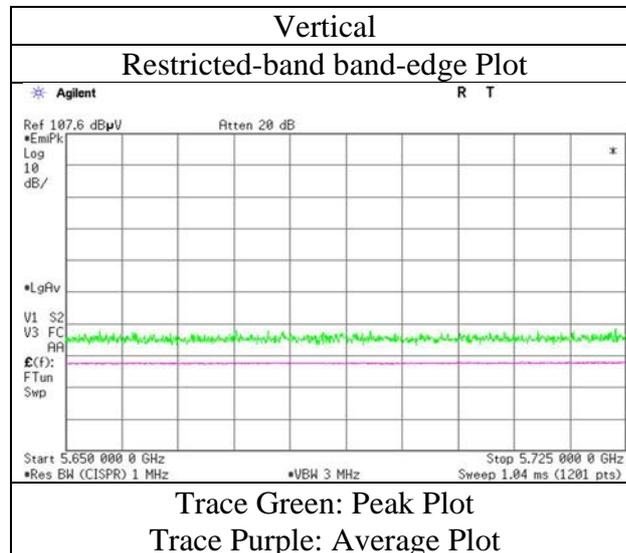
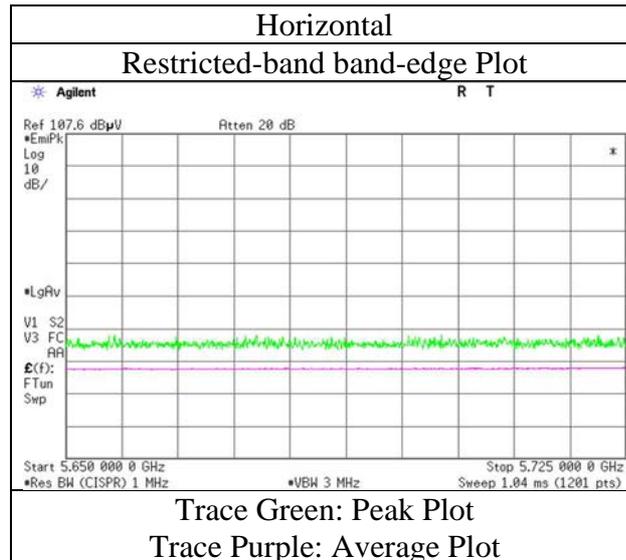
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Yuta Moriya (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5755 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	42.2	31.8	5.6	33.5	-	46.1	68.2	22.1	
Hori.	5700.000	PK	43.5	31.8	5.6	33.5	-	47.4	105.2	57.8	
Hori.	5720.000	PK	43.7	31.9	5.6	33.5	-	47.6	110.8	63.2	
Hori.	5725.000	PK	48.6	31.9	5.6	33.5	-	52.5	122.2	69.7	
Vert.	5650.000	PK	42.3	31.8	5.6	33.5	-	46.2	68.2	22.0	
Vert.	5700.000	PK	43.4	31.8	5.6	33.5	-	47.3	105.2	57.9	
Vert.	5720.000	PK	44.4	31.9	5.6	33.5	-	48.3	110.8	62.5	
Vert.	5725.000	PK	45.3	31.9	5.6	33.5	-	49.2	122.2	73.0	

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

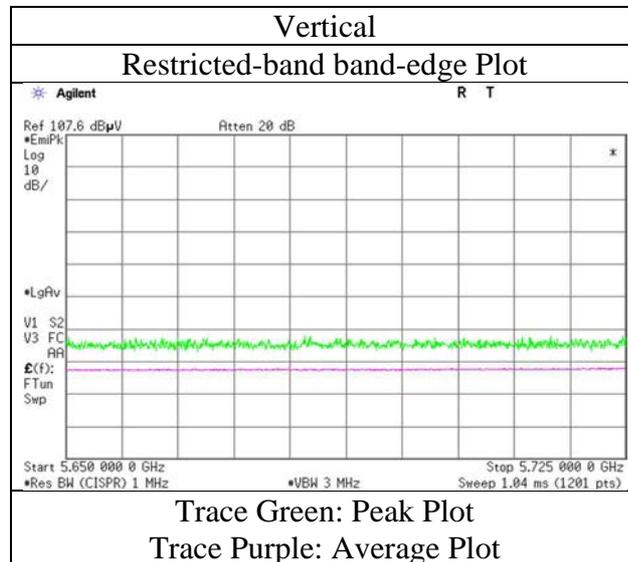
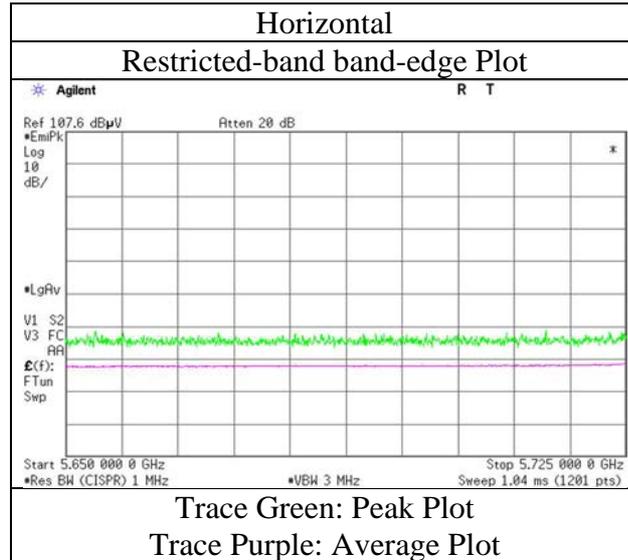
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5755 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	42.6	31.8	5.6	33.5	-	46.5	68.2	21.7	
Hori.	5700.000	PK	42.7	31.8	5.6	33.5	-	46.6	105.2	58.6	
Hori.	5720.000	PK	45.5	31.9	5.6	33.5	-	49.5	110.8	61.3	
Hori.	5725.000	PK	50.6	31.9	5.6	33.5	-	54.6	122.2	67.6	
Vert.	5650.000	PK	42.2	31.8	5.6	33.5	-	46.1	68.2	22.1	
Vert.	5700.000	PK	42.3	31.8	5.6	33.5	-	46.2	105.2	59.0	
Vert.	5720.000	PK	43.8	31.9	5.6	33.5	-	47.8	110.8	63.1	
Vert.	5725.000	PK	48.1	31.9	5.6	33.5	-	52.1	122.2	70.2	

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

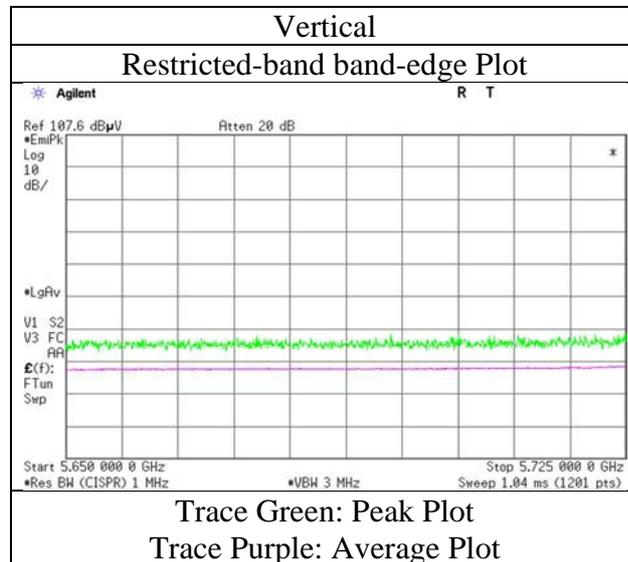
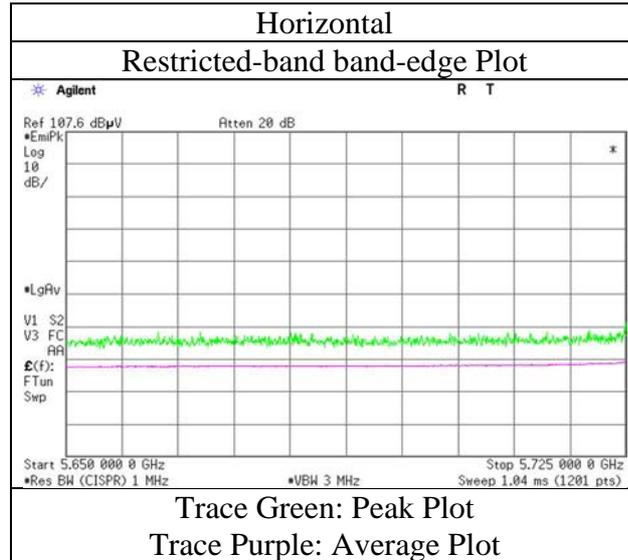
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Yuta Moriya
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5755 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.	5650.000	PK	42.9	31.8	5.6	33.5	-	46.7	68.2	21.5	
Hori.	5700.000	PK	44.0	31.8	5.6	33.5	-	47.9	105.2	57.3	
Hori.	5720.000	PK	53.4	31.9	5.6	33.5	-	57.3	110.8	53.5	
Hori.	5725.000	PK	52.1	31.9	5.6	33.5	-	56.1	122.2	66.1	
Vert.	5650.000	PK	42.5	31.8	5.6	33.5	-	46.4	68.2	21.8	
Vert.	5700.000	PK	43.0	31.8	5.6	33.5	-	46.9	105.2	58.3	
Vert.	5720.000	PK	48.7	31.9	5.6	33.5	-	52.7	110.8	58.1	
Vert.	5725.000	PK	50.6	31.9	5.6	33.5	-	54.6	122.2	67.6	

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

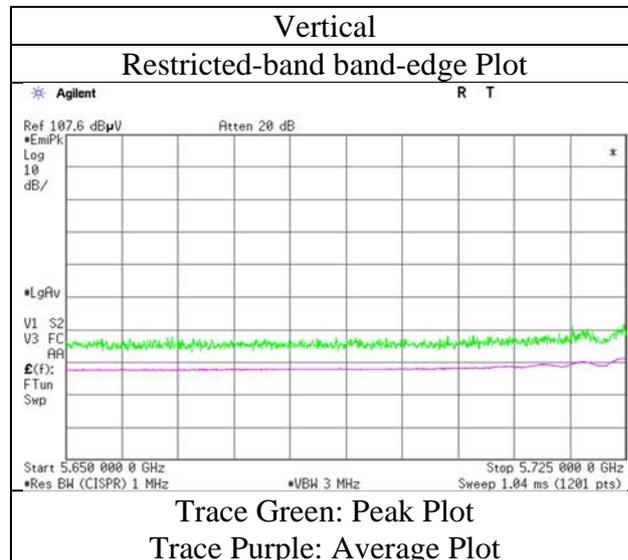
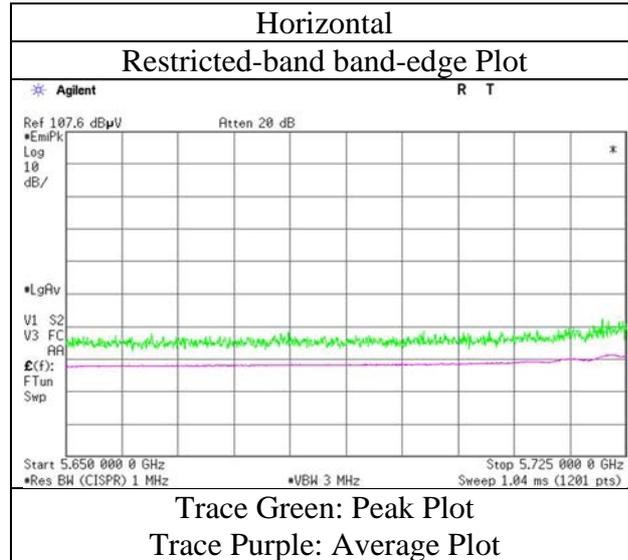
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Yuta Moriya
	(1 GHz - 10 GHz)
Mode	Tx 11ax-40 5755 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5795 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.	5850.000	PK	41.6	32.3	5.7	33.5	-	46.0	122.2	76.2	
Hori.	5855.000	PK	41.3	32.3	5.7	33.5	-	45.7	110.8	65.1	
Hori.	5875.000	PK	41.6	32.3	5.7	33.5	-	46.1	105.2	59.1	
Hori.	5925.000	PK	41.2	32.4	5.7	33.5	-	45.7	68.2	22.5	
Vert.	5850.000	PK	41.7	32.3	5.7	33.5	-	46.1	122.2	76.1	
Vert.	5855.000	PK	41.5	32.3	5.7	33.5	-	45.9	110.8	64.9	
Vert.	5875.000	PK	41.6	32.3	5.7	33.5	-	46.1	105.2	59.1	
Vert.	5925.000	PK	41.4	32.4	5.7	33.5	-	45.9	68.2	22.3	

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

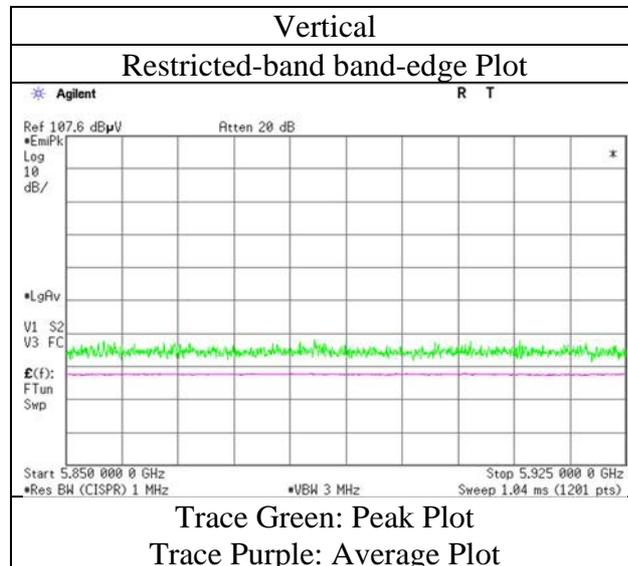
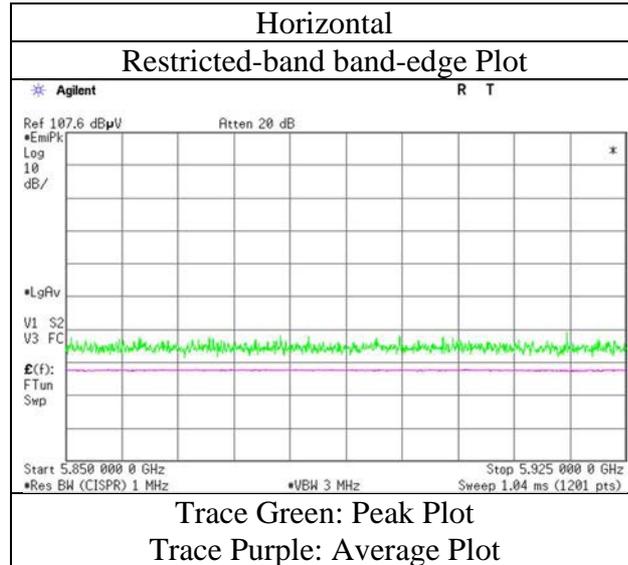
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5795 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.	5850.000	PK	42.2	32.3	5.7	33.5	-	46.6	122.2	75.6	
Hori.	5855.000	PK	41.9	32.3	5.7	33.5	-	46.3	110.8	64.5	
Hori.	5875.000	PK	41.9	32.3	5.7	33.5	-	46.4	105.2	58.8	
Hori.	5925.000	PK	41.7	32.4	5.7	33.5	-	46.2	68.2	22.0	
Vert.	5850.000	PK	42.2	32.3	5.7	33.5	-	46.6	122.2	75.6	
Vert.	5855.000	PK	42.0	32.3	5.7	33.5	-	46.4	110.8	64.4	
Vert.	5875.000	PK	41.7	32.3	5.7	33.5	-	46.2	105.2	59.0	
Vert.	5925.000	PK	41.1	32.4	5.7	33.5	-	45.6	68.2	22.6	

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

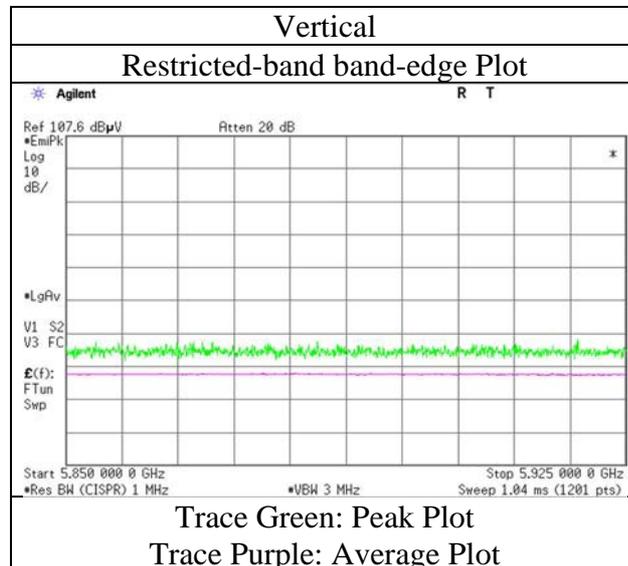
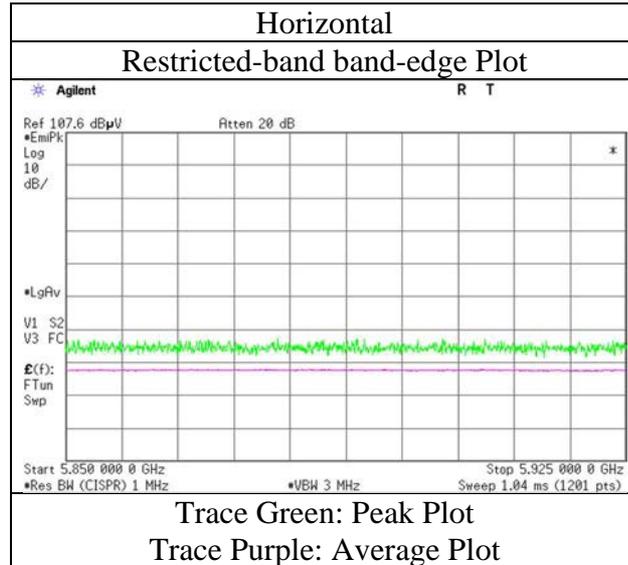
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (52-tone RU)

RU Index 44



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5795 MHz (106-tone RU)

RU Index 56

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	42.8	32.3	5.7	33.5	-	47.2	122.2	75.0	
Hori.	5855.000	PK	42.8	32.3	5.7	33.5	-	47.2	110.8	63.6	
Hori.	5875.000	PK	42.2	32.3	5.7	33.5	-	46.7	105.2	58.5	
Hori.	5925.000	PK	41.3	32.4	5.7	33.5	-	45.8	68.2	22.4	
Vert.	5850.000	PK	41.8	32.3	5.7	33.5	-	46.2	122.2	76.0	
Vert.	5855.000	PK	41.8	32.3	5.7	33.5	-	46.2	110.8	64.6	
Vert.	5875.000	PK	41.6	32.3	5.7	33.5	-	46.1	105.2	59.1	
Vert.	5925.000	PK	41.5	32.4	5.7	33.5	-	46.0	68.2	22.2	

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

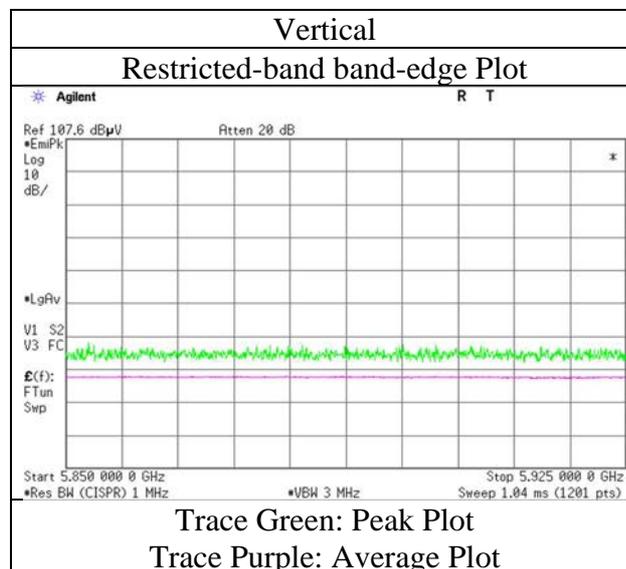
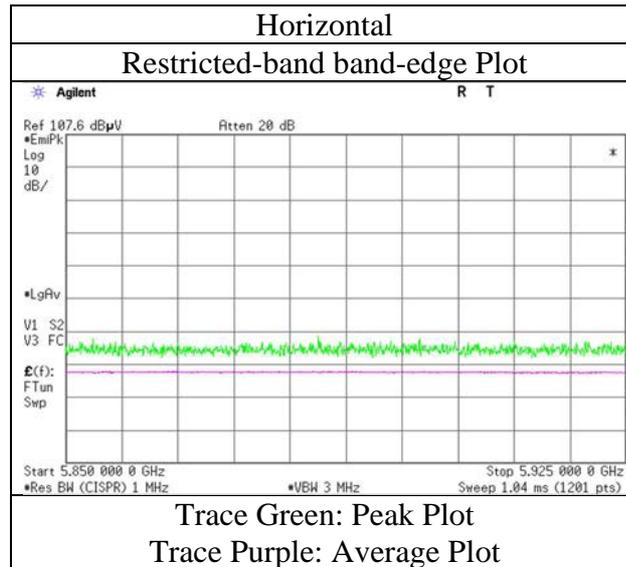
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (106-tone RU)

RU Index 56



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5795 MHz (242-tone RU)

RU Index 62

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	42.6	32.3	5.7	33.5	-	47.0	122.2	75.2	
Hori.	5855.000	PK	42.5	32.3	5.7	33.5	-	46.9	110.8	63.9	
Hori.	5875.000	PK	42.4	32.3	5.7	33.5	-	46.9	105.2	58.3	
Hori.	5925.000	PK	41.3	32.4	5.7	33.5	-	45.8	68.2	22.4	
Vert.	5850.000	PK	42.1	32.3	5.7	33.5	-	46.5	122.2	75.7	
Vert.	5855.000	PK	41.9	32.3	5.7	33.5	-	46.3	110.8	64.5	
Vert.	5875.000	PK	42.4	32.3	5.7	33.5	-	46.9	105.2	58.3	
Vert.	5925.000	PK	42.0	32.4	5.7	33.5	-	46.5	68.2	21.7	

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

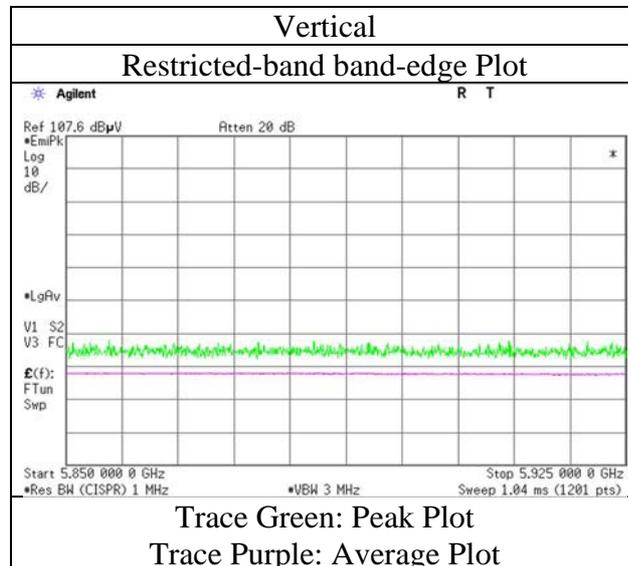
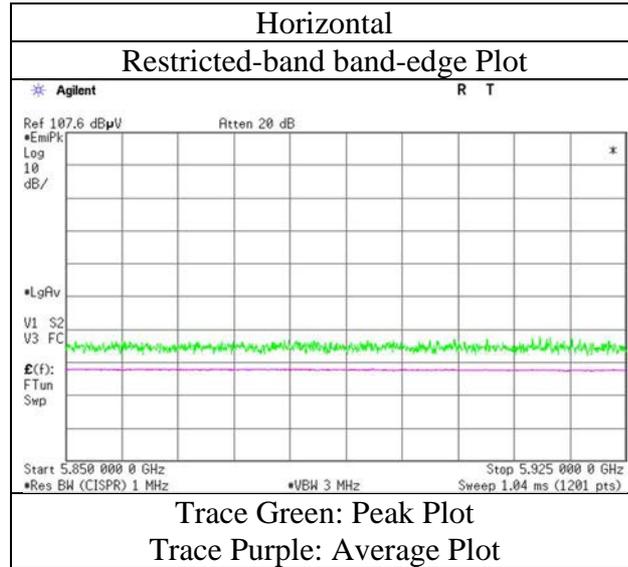
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 MHz (242-tone RU)

RU Index 62



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 26, 2021
Temperature / Humidity 20 deg. C / 41 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-40 5795 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.	5850.000	PK	42.7	32.3	5.7	33.5	-	47.1	122.2	75.1	
Hori.	5855.000	PK	42.6	32.3	5.7	33.5	-	47.0	110.8	63.8	
Hori.	5875.000	PK	42.9	32.3	5.7	33.5	-	47.4	105.2	57.8	
Hori.	5925.000	PK	41.6	32.4	5.7	33.5	-	46.1	68.2	22.1	
Vert.	5850.000	PK	43.7	32.3	5.7	33.5	-	48.1	122.2	74.1	
Vert.	5855.000	PK	43.0	32.3	5.7	33.5	-	47.4	110.8	63.4	
Vert.	5875.000	PK	42.4	32.3	5.7	33.5	-	46.9	105.2	58.3	
Vert.	5925.000	PK	42.0	32.4	5.7	33.5	-	46.5	68.2	21.7	

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

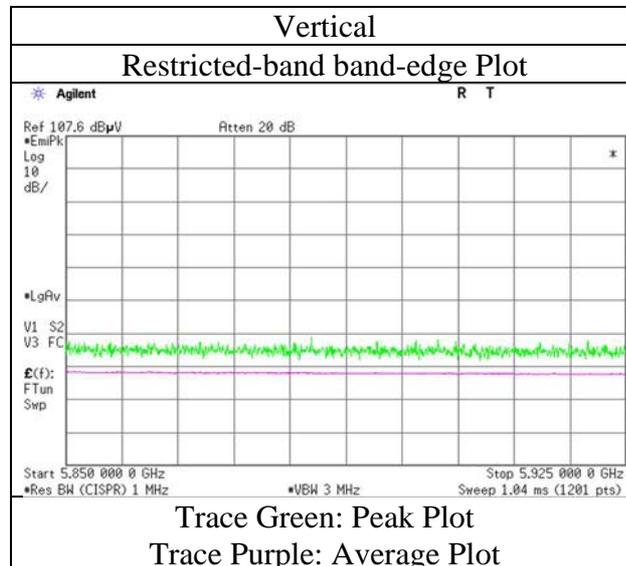
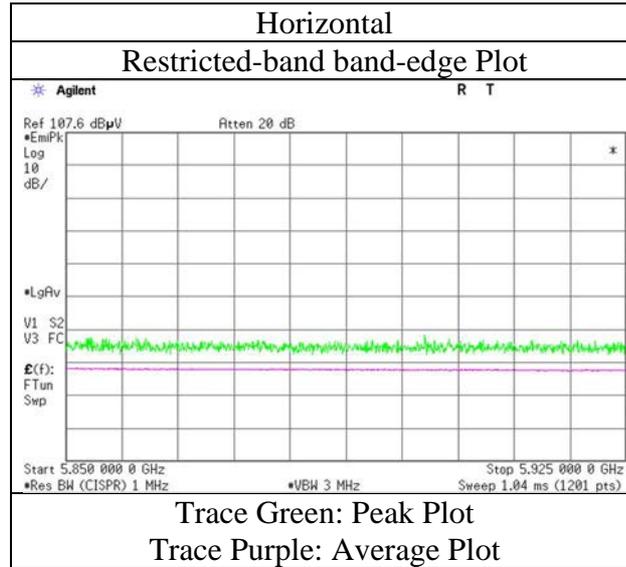
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 26, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-40 5795 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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5210 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	42.1	31.9	5.4	33.7	-	45.7	73.9	28.2	
Hori.	5150.000	AV	34.0	31.9	5.4	33.7	0.3	37.9	53.9	16.1	*1)
Vert.	5150.000	PK	42.3	31.9	5.4	33.7	-	45.9	73.9	28.0	
Vert.	5150.000	AV	33.7	31.9	5.4	33.7	0.3	37.6	53.9	16.4	*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).

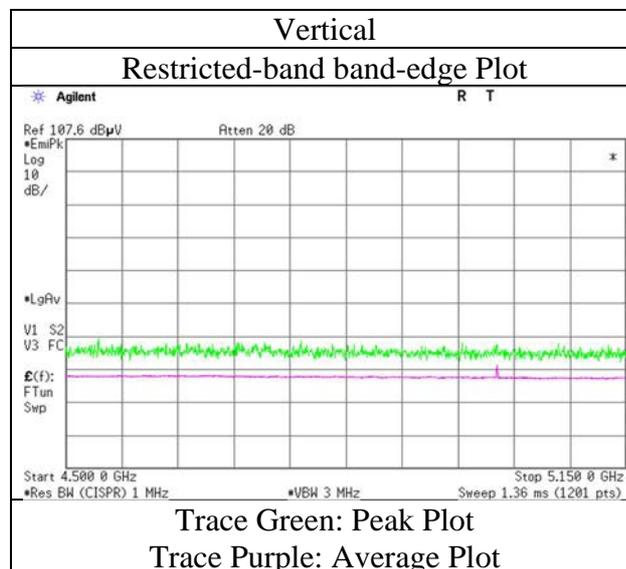
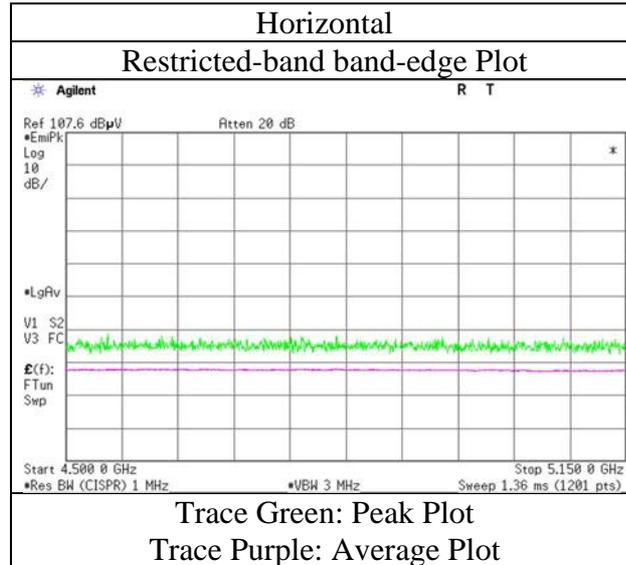
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5210 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	42.7	31.9	5.4	33.7	-	46.3	73.9	27.6	
Hori.	5150.000	AV	34.1	31.9	5.4	33.7	0.3	37.9	53.9	16.0	*1)
Vert.	5150.000	PK	42.1	31.9	5.4	33.7	-	45.7	73.9	28.2	
Vert.	5150.000	AV	33.9	31.9	5.4	33.7	0.3	37.7	53.9	16.2	*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).

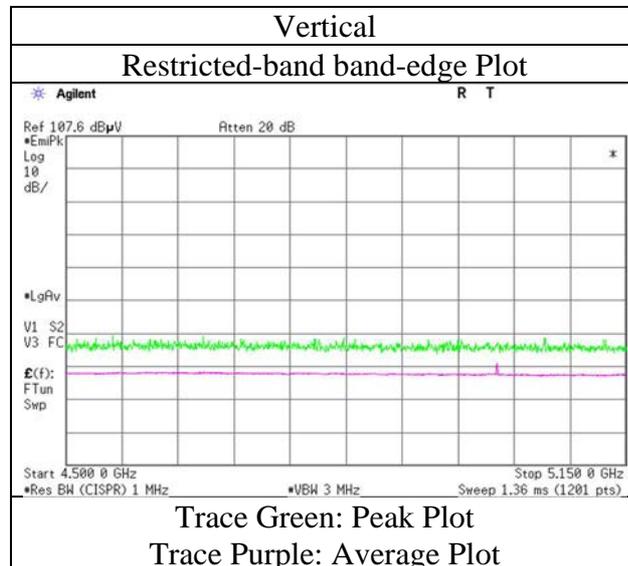
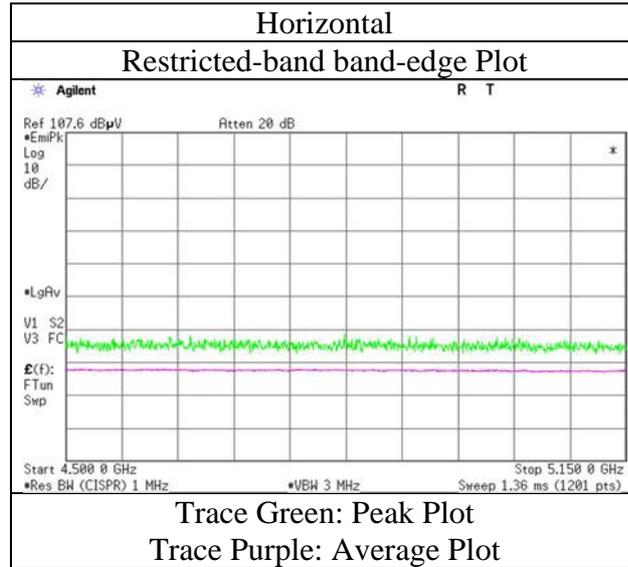
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 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.

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5210 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	42.3	31.9	5.4	33.7	-	45.9	73.9	28.0	
Hori.	5150.000	AV	33.9	31.9	5.4	33.7	0.3	37.8	53.9	16.2	*1)
Vert.	5150.000	PK	42.9	31.9	5.4	33.7	-	46.5	73.9	27.4	
Vert.	5150.000	AV	33.9	31.9	5.4	33.7	0.3	37.8	53.9	16.2	*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).

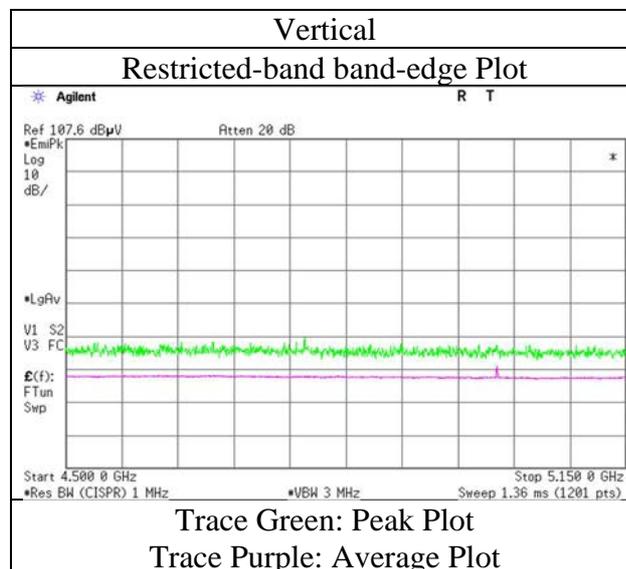
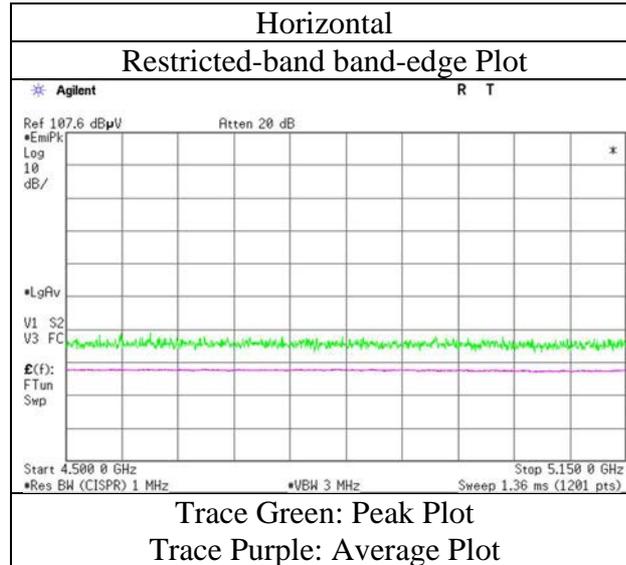
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5210 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	42.5	31.9	5.4	33.7	-	46.1	73.9	27.8	
Hori.	5150.000	AV	34.2	31.9	5.4	33.7	0.3	38.1	53.9	15.9	*1)
Vert.	5150.000	PK	42.9	31.9	5.4	33.7	-	46.5	73.9	27.4	
Vert.	5150.000	AV	34.5	31.9	5.4	33.7	0.3	38.4	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).

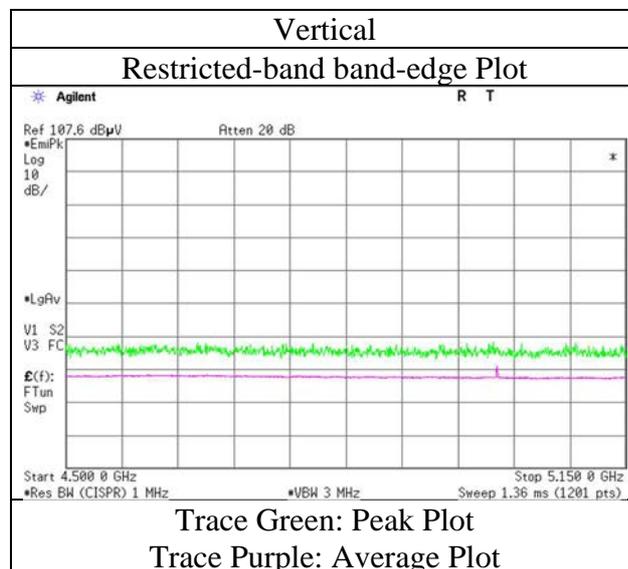
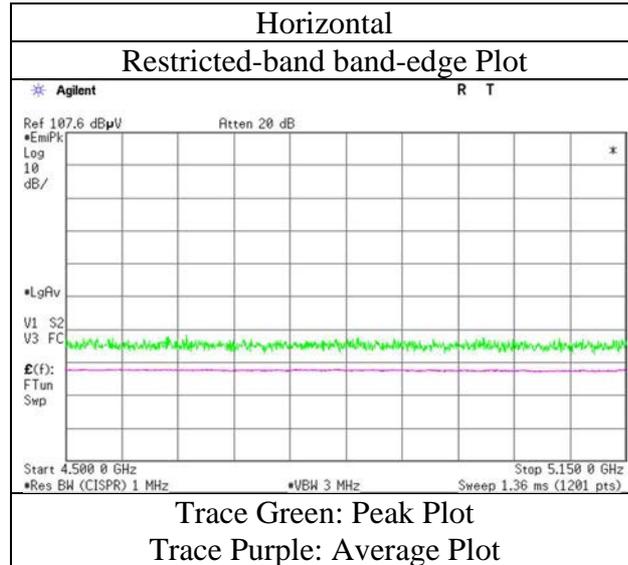
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5210 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	45.9	31.9	5.4	33.7	-	49.5	73.9	24.4	
Hori.	5150.000	AV	36.0	31.9	5.4	33.7	0.3	39.9	53.9	14.1	*1)
Vert.	5150.000	PK	43.2	31.9	5.4	33.7	-	46.8	73.9	27.1	
Vert.	5150.000	AV	34.5	31.9	5.4	33.7	0.3	38.4	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).

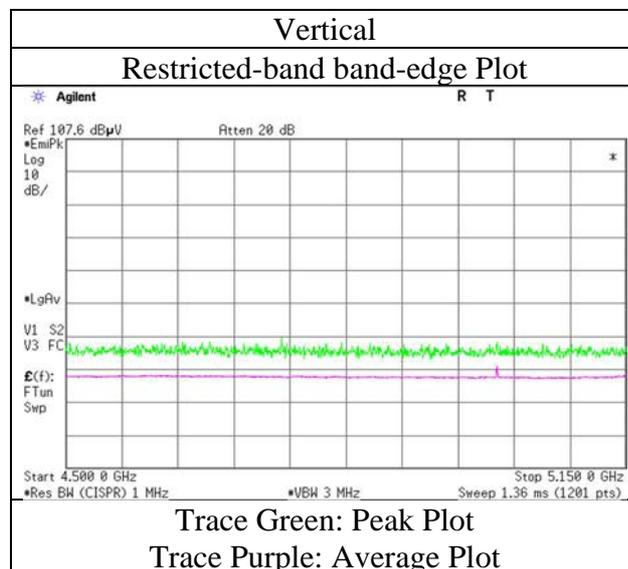
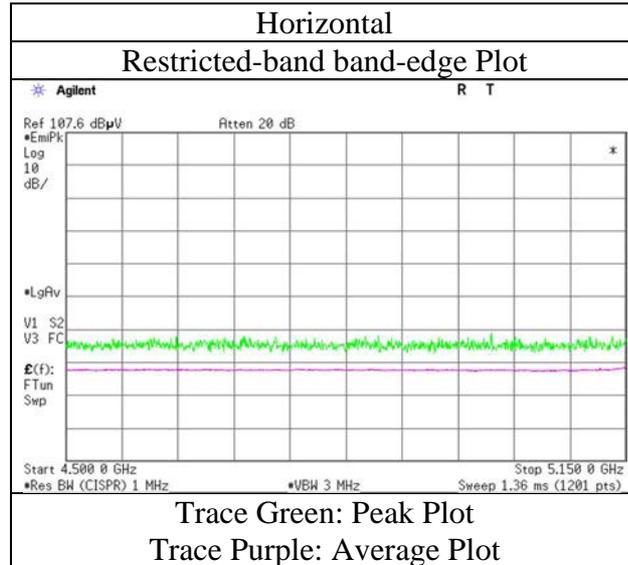
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 24, 2021
Temperature / Humidity 25 deg. C / 40 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5210 MHz (996-tone RU)

RU Index 67

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	52.4	31.9	5.4	33.7	-	56.0	73.9	17.9	
Hori.	5150.000	AV	42.4	31.9	5.4	33.7	0.3	46.2	53.9	7.7	*1)
Vert.	5150.000	PK	47.5	31.9	5.4	33.7	-	51.1	73.9	22.8	
Vert.	5150.000	AV	37.1	31.9	5.4	33.7	0.3	40.9	53.9	13.0	*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).

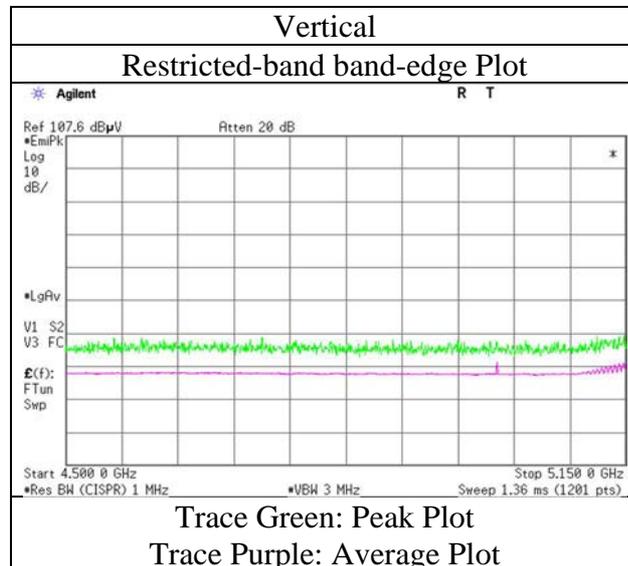
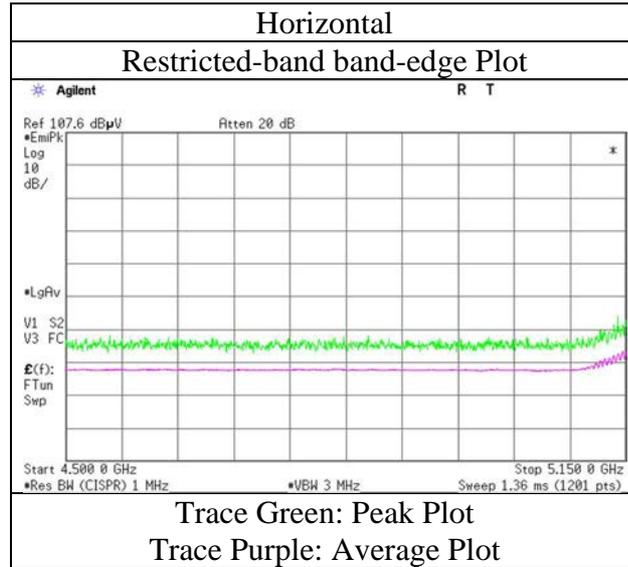
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m}/3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 24, 2021
Temperature / Humidity	25 deg. C / 40 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5210 MHz (996-tone RU)

RU Index 67



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

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (26-tone RU)

RU Index 36

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	43.1	31.5	5.5	33.6	-	46.5	73.9	27.4	
Hori.	5350.000	AV	35.6	31.5	5.5	33.6	0.3	39.3	53.9	14.6	*1)
Vert.	5350.000	PK	42.1	31.5	5.5	33.6	-	45.5	73.9	28.4	
Vert.	5350.000	AV	34.0	31.5	5.5	33.6	0.3	37.7	53.9	16.2	*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).

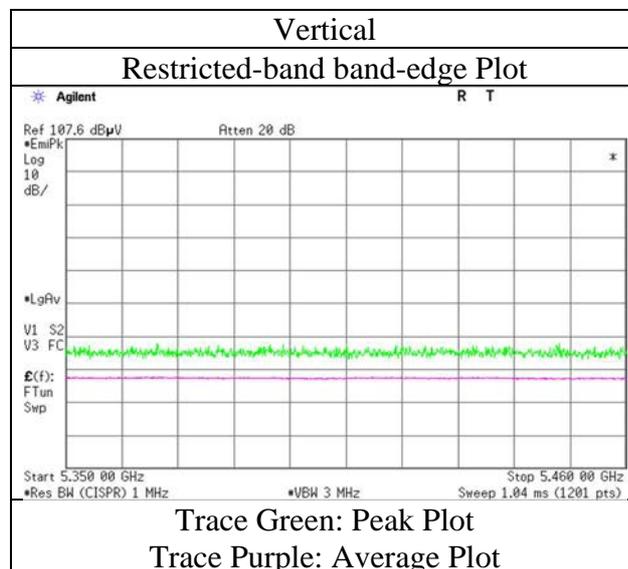
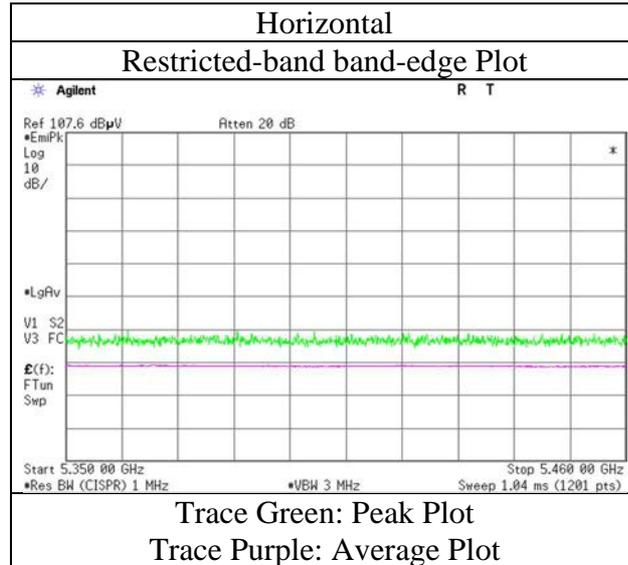
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (26-tone RU)

RU Index 36



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

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (52-tone RU)

RU Index 52

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	43.9	31.5	5.5	33.6	-	47.3	73.9	26.6	
Hori.	5350.000	AV	35.7	31.5	5.5	33.6	0.3	39.4	53.9	14.6	*1)
Vert.	5350.000	PK	42.2	31.5	5.5	33.6	-	45.6	73.9	28.3	
Vert.	5350.000	AV	33.9	31.5	5.5	33.6	0.3	37.6	53.9	16.4	*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).

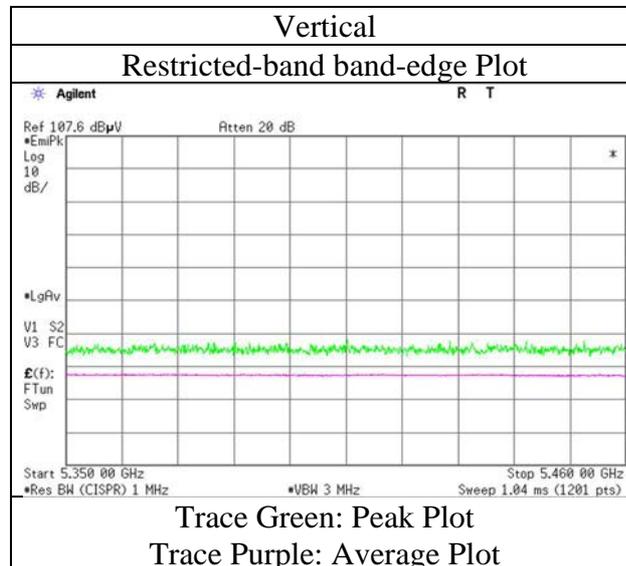
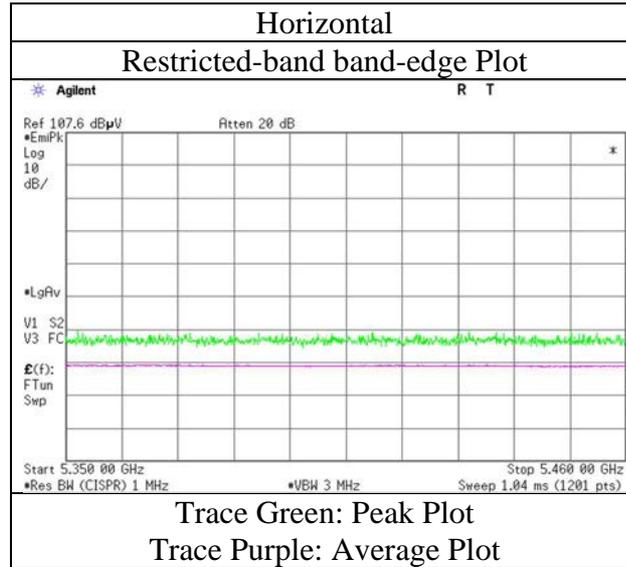
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (52-tone RU)

RU Index 52



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (106-tone RU)

RU Index 60

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	43.3	31.5	5.5	33.6	-	46.7	73.9	27.2	
Hori.	5350.000	AV	34.0	31.5	5.5	33.6	0.3	37.7	53.9	16.2	*1)
Vert.	5350.000	PK	42.3	31.5	5.5	33.6	-	45.7	73.9	28.2	
Vert.	5350.000	AV	33.8	31.5	5.5	33.6	0.3	37.5	53.9	16.4	*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).

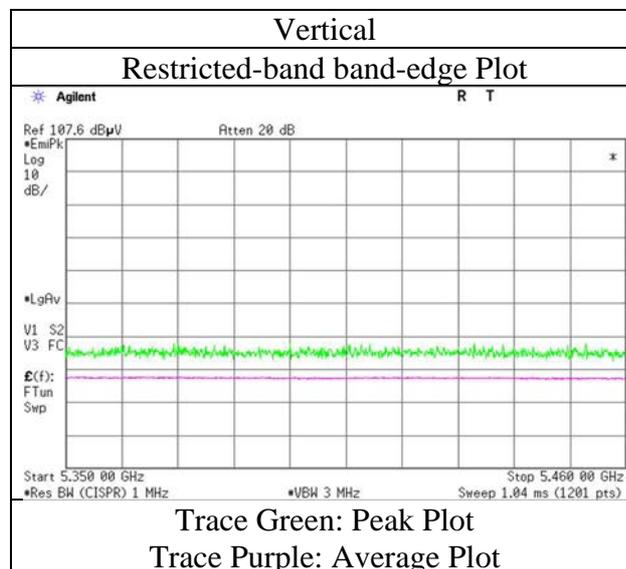
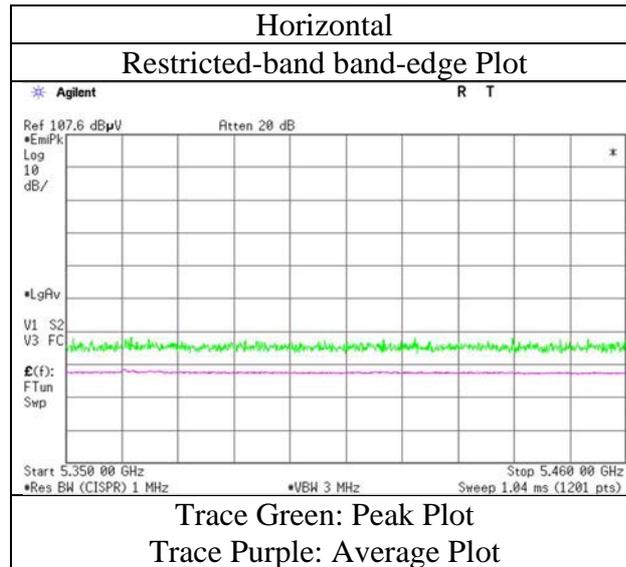
Distance factor: 1 GHz - 10 GHz 20log(3.7 m / 3.0 m) = 1.83 dB

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (106-tone RU)

RU Index 60



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (242-tone RU)

RU Index 64

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	42.9	31.5	5.5	33.6	-	46.3	73.9	27.6	
Hori.	5350.000	AV	34.4	31.5	5.5	33.6	0.3	38.1	53.9	15.8	*1)
Vert.	5350.000	PK	44.4	31.5	5.5	33.6	-	47.8	73.9	26.1	
Vert.	5350.000	AV	36.1	31.5	5.5	33.6	0.3	39.8	53.9	14.1	*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 20log(3.7 m / 3.0 m) = 1.83 dB

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

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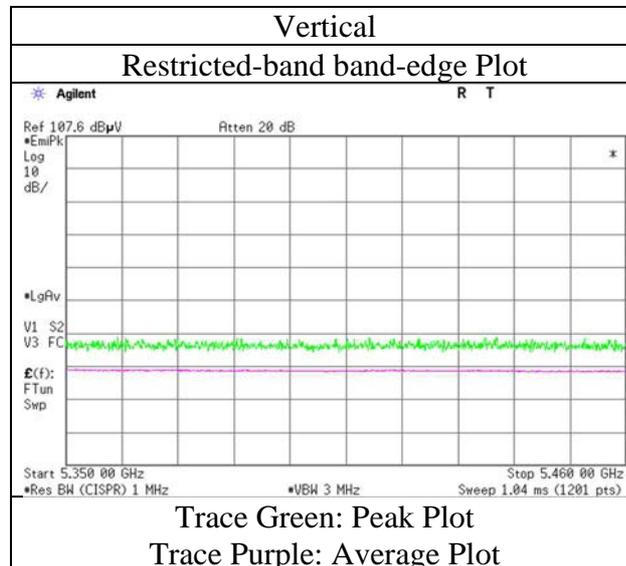
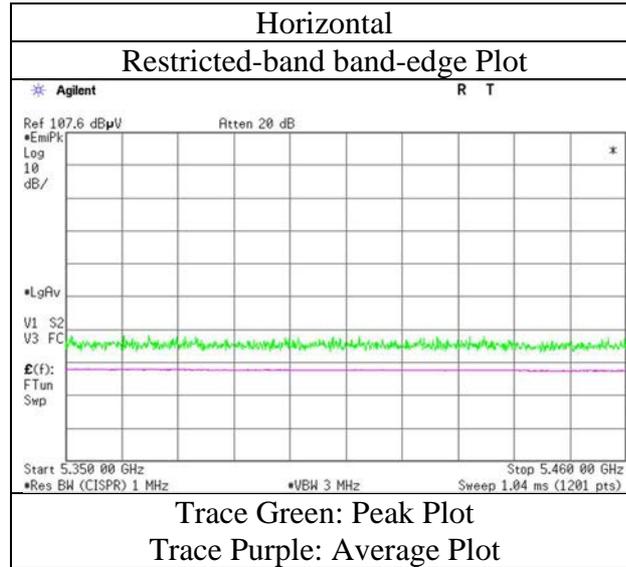
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (242-tone RU)

RU Index 64



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

UL Japan, Inc.

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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (484-tone RU)

RU Index 66

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	48.9	31.5	5.5	33.6	-	52.3	73.9	21.6	
Hori.	5350.000	AV	38.1	31.5	5.5	33.6	0.3	41.8	53.9	12.1	*1)
Vert.	5350.000	PK	45.6	31.5	5.5	33.6	-	49.0	73.9	24.9	
Vert.	5350.000	AV	37.2	31.5	5.5	33.6	0.3	40.9	53.9	13.0	*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).

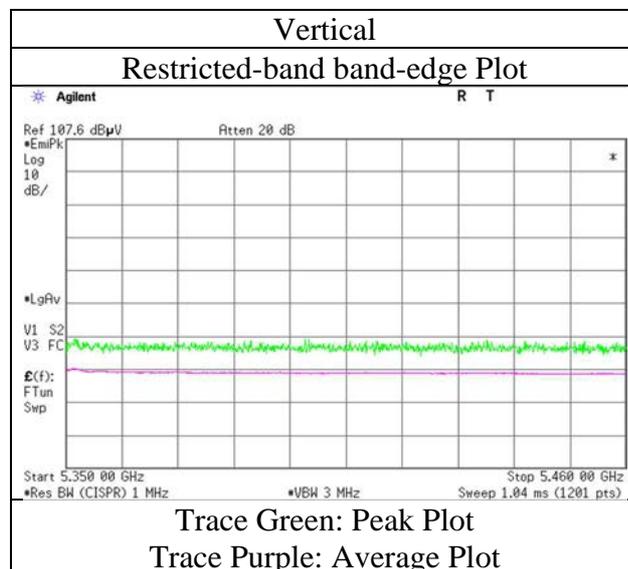
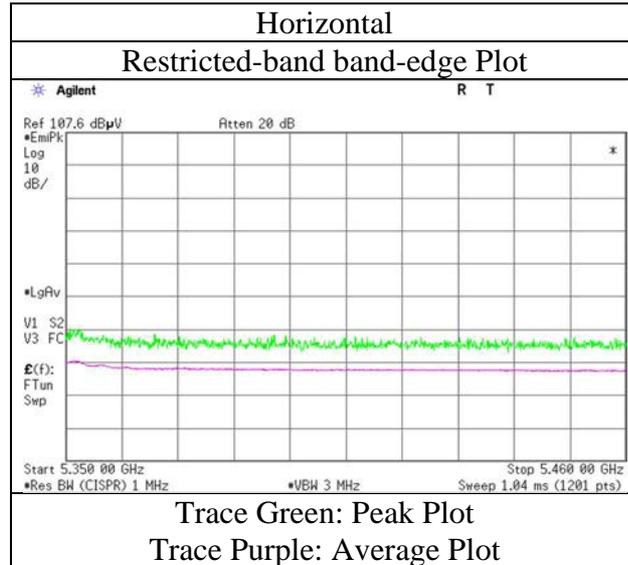
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (484-tone RU)

RU Index 66



* 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5290 MHz (996-tone RU)

RU Index 67

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	54.7	31.5	5.5	33.6	-	58.1	73.9	15.8	
Hori.	5351.885	PK	56.9	31.5	5.5	33.6	-	60.3	73.9	13.6	
Hori.	5350.000	AV	45.2	31.5	5.5	33.6	0.3	48.9	53.9	5.1	*1)
Hori.	5351.885	AV	46.4	31.5	5.5	33.6	0.3	50.1	53.9	3.9	*1)
Vert.	5350.000	PK	51.9	31.5	5.5	33.6	-	55.3	73.9	18.6	
Vert.	5351.885	PK	52.1	31.5	5.5	33.6	-	55.5	73.9	18.4	
Vert.	5350.000	AV	42.5	31.5	5.5	33.6	0.3	46.2	53.9	7.8	*1)
Vert.	5351.885	AV	43.4	31.5	5.5	33.6	0.3	47.1	53.9	6.9	*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).

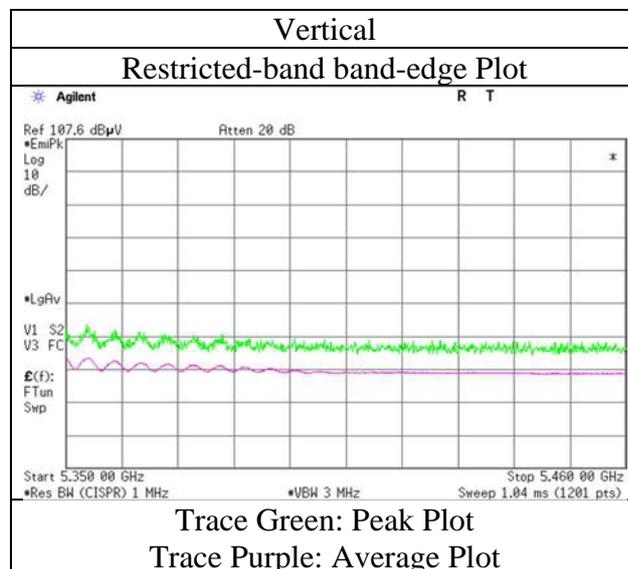
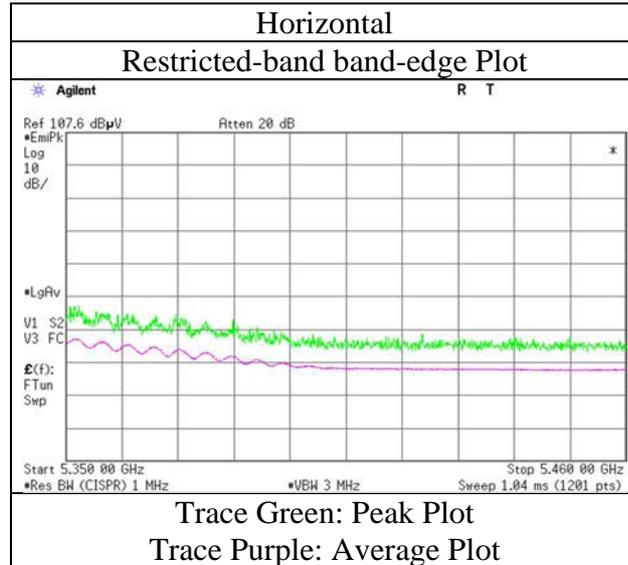
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5290 MHz (996-tone RU)

RU Index 67



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

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.1
Date March 9, 2021
Temperature / Humidity 22 deg. C / 30 % RH
Engineer Takafumi Noguchi
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 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	44.4	31.7	6.3	35.7	-	46.7	68.2	21.5	
Hori.	5470.000	PK	44.7	31.8	6.3	35.7	-	47.1	68.2	21.1	
Hori.	5460.000	AV	34.8	31.7	6.3	35.7	0.3	37.4	53.9	16.6	*1)
Vert.	5460.000	PK	44.3	31.7	6.3	35.7	-	46.6	68.2	21.6	
Vert.	5470.000	PK	44.6	31.8	6.3	35.7	-	47.0	68.2	21.3	
Vert.	5460.000	AV	34.7	31.7	6.3	35.7	0.3	37.3	53.9	16.6	*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).

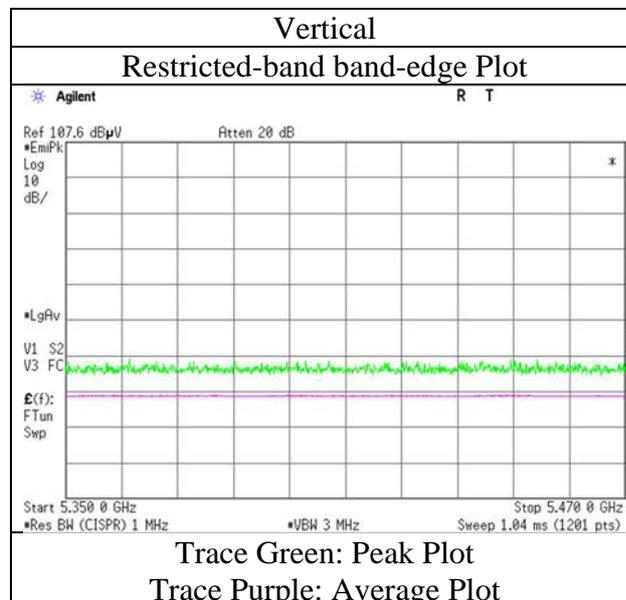
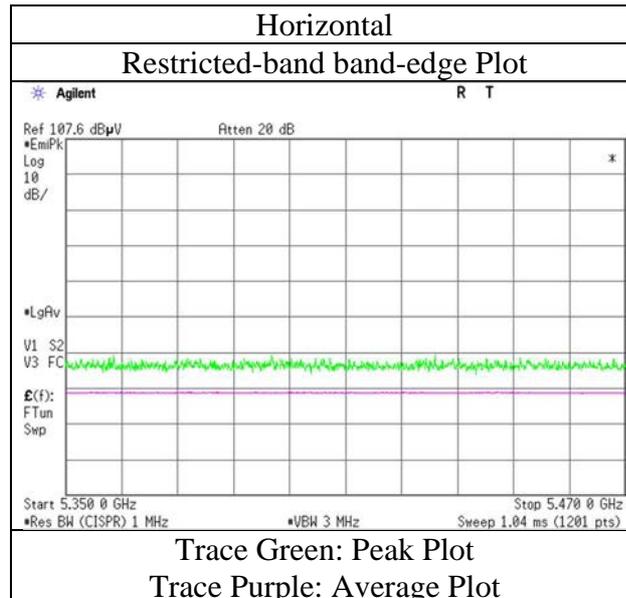
Distance factor: 1 GHz - 10 GHz $20\log(3.95\text{ m} / 3.0\text{ m}) = 2.39\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.1
Date	March 9, 2021
Temperature / Humidity	22 deg. C / 30 % RH
Engineer	Takafumi Noguchi
	(1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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.

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Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 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.	5460.000	PK	41.6	31.7	5.5	33.5	-	45.3	68.2	22.9	
Hori.	5470.000	PK	42.9	31.7	5.5	33.5	-	46.6	68.2	21.6	
Hori.	5460.000	AV	33.5	31.7	5.5	33.5	0.3	37.5	53.9	16.4	*1)
Vert.	5460.000	PK	42.0	31.7	5.5	33.5	-	45.7	68.2	22.5	
Vert.	5470.000	PK	42.4	31.7	5.5	33.5	-	46.1	68.2	22.1	
Vert.	5460.000	AV	33.7	31.7	5.5	33.5	0.3	37.7	53.9	16.2	*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).

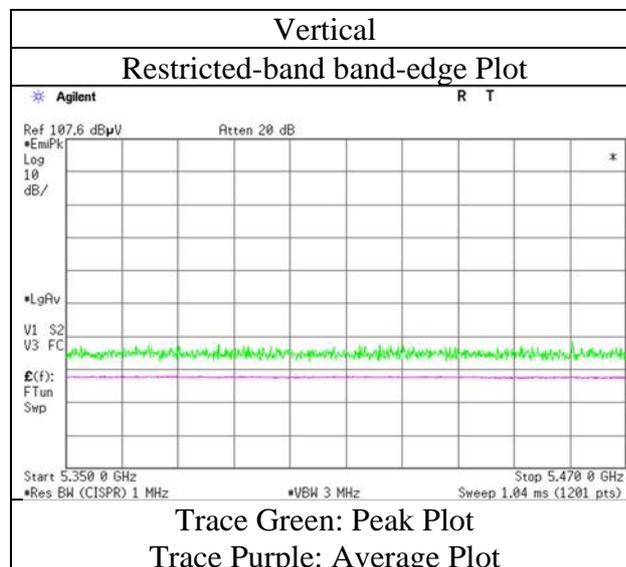
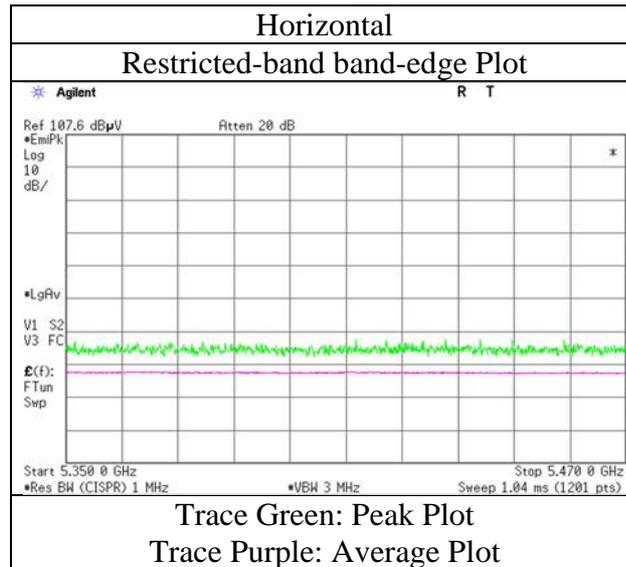
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 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	42.1	31.7	5.5	33.5	-	45.8	68.2	22.4	
Hori.	5470.000	PK	42.3	31.7	5.5	33.5	-	46.0	68.2	22.2	
Hori.	5460.000	AV	33.9	31.7	5.5	33.5	0.3	37.9	53.9	16.0	*1)
Vert.	5460.000	PK	41.9	31.7	5.5	33.5	-	45.6	68.2	22.6	
Vert.	5470.000	PK	42.0	31.7	5.5	33.5	-	45.7	68.2	22.5	
Vert.	5460.000	AV	33.9	31.7	5.5	33.5	0.3	37.9	53.9	16.0	*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).

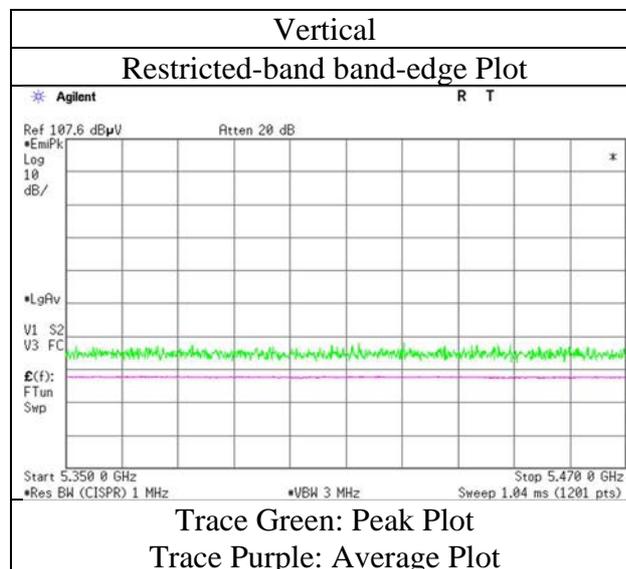
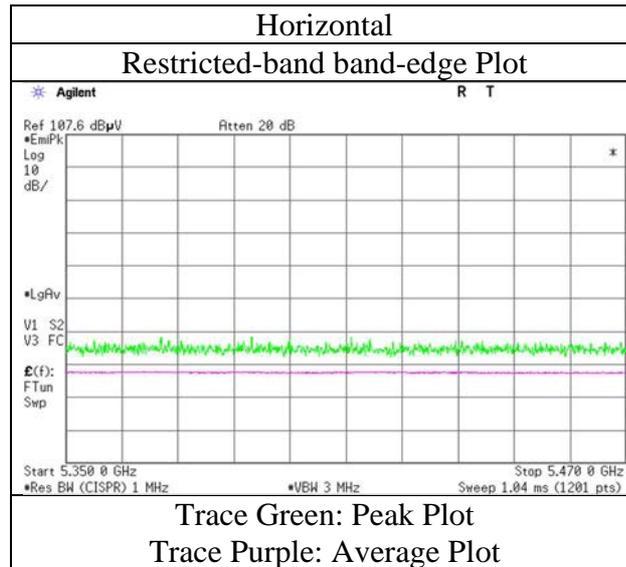
Distance factor: 1 GHz - 10 GHz $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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

Radiated Spurious Emission

Report No.	13671150H
Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.2
Date	January 25, 2021
Temperature / Humidity	22 deg. C / 48 % RH
Engineer	Akihiko Maeda (1 GHz - 10 GHz)
Mode	Tx 11ax-80 5530 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

Report No. 13671150H
Test place Ise EMC Lab.
Semi Anechoic Chamber No.2
Date January 25, 2021
Temperature / Humidity 22 deg. C / 48 % RH
Engineer Akihiko Maeda
(1 GHz - 10 GHz)
Mode Tx 11ax-80 5530 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	42.6	31.7	5.5	33.5	-	46.3	68.2	21.9	
Hori.	5470.000	PK	43.2	31.7	5.5	33.5	-	46.9	68.2	21.3	
Hori.	5460.000	AV	34.2	31.7	5.5	33.5	0.3	38.2	53.9	15.7	*1)
Vert.	5460.000	PK	42.2	31.7	5.5	33.5	-	45.9	68.2	22.3	
Vert.	5470.000	PK	42.8	31.7	5.5	33.5	-	46.5	68.2	21.7	
Vert.	5460.000	AV	34.1	31.7	5.5	33.5	0.3	38.1	53.9	15.8	*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 $20\log(3.7\text{ m} / 3.0\text{ m}) = 1.83\text{ dB}$

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