RADIO TEST REPORT

Test Report No. 15370547H-C-R1

Customer	**Sony Interactive Entertainment Inc.**
Description of EUT	**Wireless communication module**
Model Number of EUT	**J20H104**
FCC ID	**AK8M21DFD1**
Test Regulation	**FCC Part 15 Subpart E**
Test Result	**Complied**
Issue Date	**September 6, 2024**
Remarks	**- WLAN (5 GHz band) part** **- For Permissive Change** **- Radiated Spurious Emission only**

Representative Test Engineer	Approved By
Kiyoshiro Okazaki Engineer	Takayuki Shimada Leader

CERTIFICATE 5107.02

☐ The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan, Inc.

☒ There is no testing item of "Non-accreditation".

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REVISION HISTORY

Original Test Report No.: 15370547H-C

This report is a revised version of 15370547H-C. 15370547H-C is replaced with this report.

Revision	Test Report No.	Date	Page Revised Contents
- (Original)	15370547H-C	August 30, 2024	-
1	15370547H-C-R1	September 6, 2024	**4.1 Operating Mode(s)** - Added note for power setting: "(The test was conducted by high power settings.)"
			APPENDIX 4: Configuration and Peripherals - Corrected information of Shield (Cable / Connector) for No. 1 to 4 cables in List of Cables Used: Unshielded → Shielded

Reference: Abbreviations (Including words undescribed in this report)

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

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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
Contact Person	Miho Nakamura

The information provided by the customer is as follows;
- Customer, Description 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 and Test Date
- SECTION 4: Operation of EUT during testing

SECTION 2: Equipment Under Test (EUT)

2.1 Identification of EUT

Description	Wireless communication module
Model Number	J20H104
Serial Number	Refer to SECTION 4.2
Condition	Production prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No Modification by the test lab
Receipt Date	July 16, 2024
Test Date	July 19 to 29, 2024

2.2 Product Description

General Specification

Rating	DC 3.3 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
Antenna Type	IFA	
Antenna Gain: G_{ANT}	Antenna 1: 4.0 dBi Antenna 2: 3.5 dBi	
Directional Gain *1)	6.76 dBi	

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
Antenna Type	IFA	
Antenna Gain: G_{ANT}	Antenna 1: 6.4 dBi Antenna 3: 3.5 dBi	
Directional Gain *1)	8.08 dBi	

BT1: Bluetooth (BR / EDR / Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	BT: FHSS (GFSK, π/4DQPSK, 8DPSK) BT LE: GFSK
Antenna Type	IFA
Antenna Gain	Antenna 3: 4.0 dBi

BT2: Bluetooth (BR / EDR / Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	BT: FHSS (GFSK, π/4DQPSK, 8DPSK) BT LE: GFSK
Antenna Type	IFA
Antenna Gain	Antenna 4: 4.0 dBi

*1) Directional antenna gain = $10\log\left((10^{\frac{Gain(Ant1)}{20}} + 10^{\frac{Gain(Ant2\ or\ Ant3)}{20}})^2/2\right)$

SECTION 3: Test specification, Procedures & Results

3.1 Test Specification

Test Specification	FCC Part 15 Subpart E The latest version on the first day of the testing period
Title	FCC 47 CFR Part 15 Radio Frequency Device Subpart E Unlicensed National Information Infrastructure Devices Section 15.407 General technical requirements

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	**FCC:** 15.407 (b), 15.205 and 15.209	1.2 dB 5350.0 MHz Vertical, AV	Complied	Radiated (above 30 MHz) *1)
	ISED: -	**ISED:** RSS-247 6.2			
Note: UL Japan, Inc.'s EMI Work Procedures: Work Instructions-ULID-003591 and Work Instructions-ULID-003593. * In case any questions arise about test procedure, ANSI C63.10: 2013 is also referred. *1) Radiated test was selected over 30 MHz based on FCC 15.407 (b) and KDB 789033 D02 G.3.b).					

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
The EUT has unique coupling/antenna connector (U.FL).
Therefore, the equipment complies with the antenna requirement of Section 15.203/212.

3.3 Addition to Standard

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

3.4 Uncertainty

Measurement uncertainty is not taken into account when stating conformity with a specified requirement.
Note: When margins obtained from test results are less than the measurement uncertainty, the test results may exceed the limit.

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

Radiated emission

Measurement distance	Frequency range		Unit	Calculated Uncertainty (+/-)
3 m	9 kHz to 30 MHz		dB	3.3
10 m			dB	3.1
3 m	30 MHz to 200 MHz	Horizontal	dB	4.7
		Vertical	dB	4.7
	200 MHz to 1000 MHz	Horizontal	dB	4.8
		Vertical	dB	6.0
10 m	30 MHz to 200 MHz	Horizontal	dB	5.2
		Vertical	dB	5.1
	200 MHz to 1000 MHz	Horizontal	dB	5.2
		Vertical	dB	5.2
3 m	1 GHz to 6 GHz		dB	5.1
	6 GHz to 18 GHz		dB	5.4
1 m	10 GHz to 18 GHz		dB	5.4
	18 GHz to 26.5 GHz		dB	5.3
	26.5 GHz to 40 GHz		dB	4.8
0.5 m	26.5 GHz to 40 GHz		dB	5.0

3.5 Test Location

UL Japan, Inc. Ise EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 Japan
Telephone: +81-596-24-8999
A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 884919
ISED Lab Company Number: 2973C / CAB identifier: JP0002

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.10 shielded room	3.8 x 2.8 x 2.8	3.8 x 2.8	-	-
No.11 measurement room	4.0 x 3.4 x 2.5	N/A	-	-
No.12 measurement room	2.6 x 3.4 x 2.5	N/A	-	-
Large Chamber	16.9 x 22.1 x 10.17	16.9 x 22.1	-	10 m
Small Chamber	5.3 x 6.69 x 3.59	5.3 x 6.69	-	-

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)

Mode	Remarks*
IEEE 802.11ax MIMO 20 MHz BW (11ax-20)	MCS 0 (1TX), PN9
IEEE 802.11ax MIMO 40 MHz BW (11ax-40)	MCS 0 (1TX), PN9
IEEE 802.11ax MIMO 80 MHz BW (11ax-80)	MCS 0 (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 (The test was conducted by high power settings.) Software: autotest_for-ULJ.sh (Date: December 13, 2022, 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.	
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 802.11ax mode by the pre-test.	

Power Setting for Radiated Spurious Emission

		5.2 GHz band			5.3 GHz band / 5.6 GHz band / 5.8 GHz band		
		20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz
OFDM		13			16		
OFDMA	26-tone RU	-4			-1		
	52-tone RU	2			5		
	106-tone RU	8			11		
	242-tone RU	13			16		
	484-tone RU	-	13		-	16	
	996-tone RU	-	-	13	-	-	16

*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)	Tx 11ax-20 *1)	Antenna 1 + 3	-	-	5500 MHz	-
Radiated Spurious Emission (Above 1 GHz)	Tx 11ax-20 [OFDM] *2) Tx 11ax-20 [OFDMA] *3)	Antenna 1 + 3	5180 MHz	5260 MHz 5320 MHz	5500 MHz 5580 MHz 5700 MHz	5745 MHz 5785 MHz 5825 MHz
	Tx 11ax-40 [OFDM] *2) Tx 11ax-40 [OFDMA] *3)		5190 MHz	5270 MHz 5310 MHz	5510 MHz 5550 MHz 5670 MHz	5755 MHz 5795 MHz
	Tx 11ax-80 [OFDM] *2) Tx 11ax-80 [OFDMA] *3)		5210 MHz	5290 MHz	5530 MHz 5610 MHz 5690 MHz	5775 MHz

*1) The mode was tested as a representative because it had the highest power at antenna terminal test.
*2) Since each of 20 MHz BW (11a / 11n-20 / 11ac-20 / 11ax-20), 40 MHz BW (11n-40 / 11ac-40 / 11ax-40), 80 MHz BW (11ac-80 / 11ax-80), and 160 MHz BW (11ac-160 / 11ax-160) 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.
*3) OFDMA configuration tests were conducted only at the band edge since preliminary testing indicated that the other spurious emission was lower than OFDM.

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

Test Item	Mode *1)	Antenna type
Radiated Spurious Emission	Tx 11ax-80 [OFDM] 5290 MHz + BT1 3DH5 Hopping	Antenna 3

*1) The test was conducted on representative mode, the worst mode of GHz band at Spurious emission test for WLAN 5 GHz band and the mode had the highest power at Antenna terminal conducted test for BT1.

4.2 Configuration and Peripherals

This clause has been submitted for separate exhibit (refer to APPENDIX 4).

SECTION 5: Radiated Spurious Emission and Band Edge Compliance

Test Procedure

< Below 1 GHz >
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 1 GHz >
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. 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 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.
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 1 GHz >

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

< Above 1 GHz >

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 5.8 GHz band 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:

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

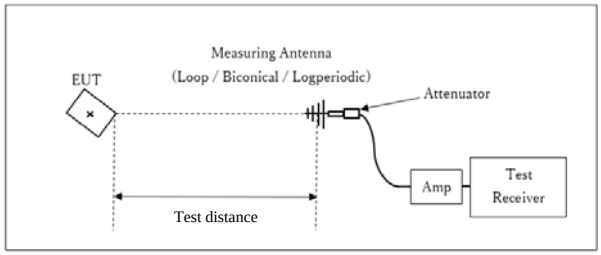
Test Antennas are used as below;

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 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.

Figure 2: Test Setup

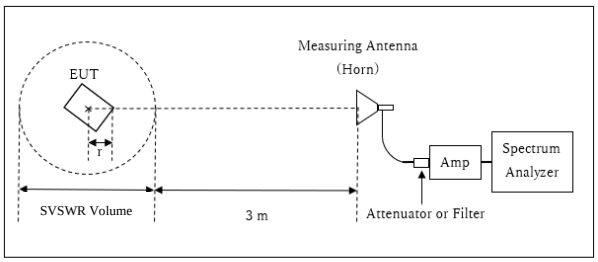
Below 1 GHz



× : Center of turn table

Test Distance: 3 m

1 GHz to 10 GHz



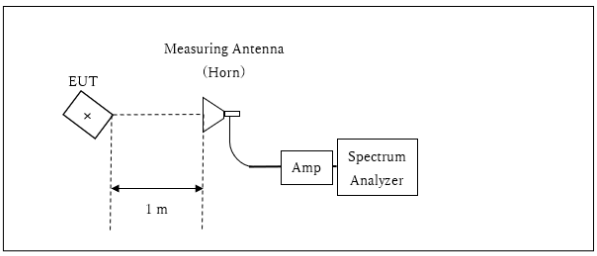
r : Radius of an outer periphery of EUT
× : Center of turn table

[1 GHz to 6 GHz]
Distance Factor: 20 x log (3.9 m / 3.0 m) = 2.28 dB
Test Distance: (3 + SVSWR Volume /2) - r = 3.9 m
SVSWR Volume : 2.0 m

[6 GHz to 10 GHz]
Distance Factor: 20 x log (4.90 m / 3.0 m) = 4.27 dB
Test Distance: (4.3 + SVSWR Volume /2) - r = 4.90 m
SVSWR Volume : 1.4 m

r = 0.1 m

10 GHz to 40 GHz



× : Center of turn table

Distance Factor: 20 x log (1.0 m / 3.0 m) = -9.5 dB
*Test Distance: 1 m

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

Test results are rounded off and limit are rounded down, so some differences might be observed.

Measurement Range : 30 MHz to 40 GHz
Test Data : APPENDIX
Test Result : Pass

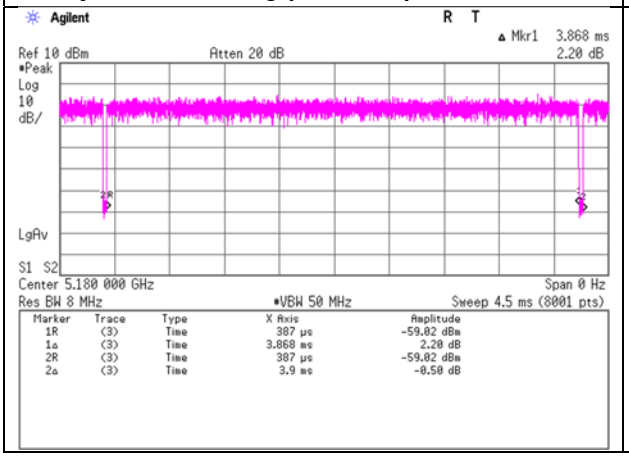
APPENDIX 1: Test Data

Burst rate confirmation

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	23 deg. C / 68 % RH
Engineer	Kiyoshiro Okazaki
Mode	Tx

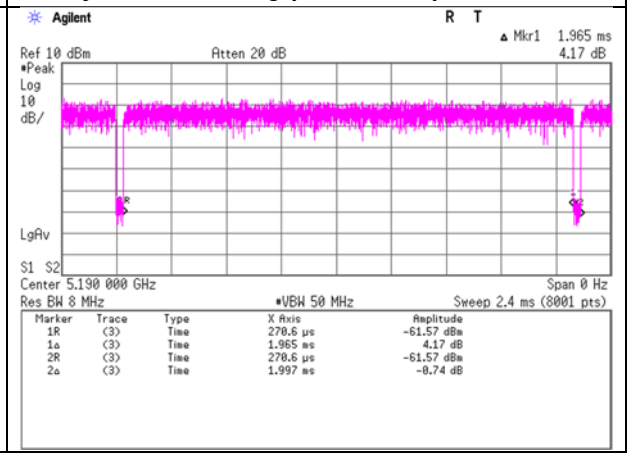
11ax-20 [OFDM] MCS 0

Tx on / (Tx on + Tx off) =	0.992
Tx on / (Tx on + Tx off) * 100 =	99.2 %
Duty factor = 10 * log (3.9 / 3.868) =	0.04 dB



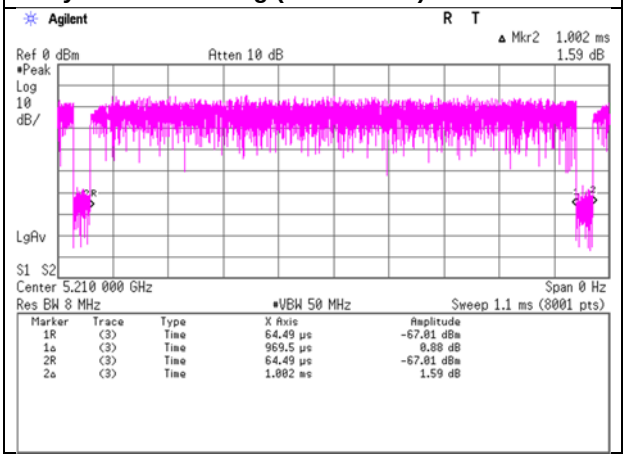
11ax-40 [OFDM] MCS 0

Tx on / (Tx on + Tx off) =	0.984
Tx on / (Tx on + Tx off) * 100 =	98.4 %
Duty factor = 10 * log (1.997 / 1.965) =	0.07 dB



11ax-80 [OFDM] MCS 0

Tx on / (Tx on + Tx off) =	0.968
Tx on / (Tx on + Tx off) * 100 =	96.8 %
Duty factor = 10 * log (1002 / 969.5) =	0.14 dB

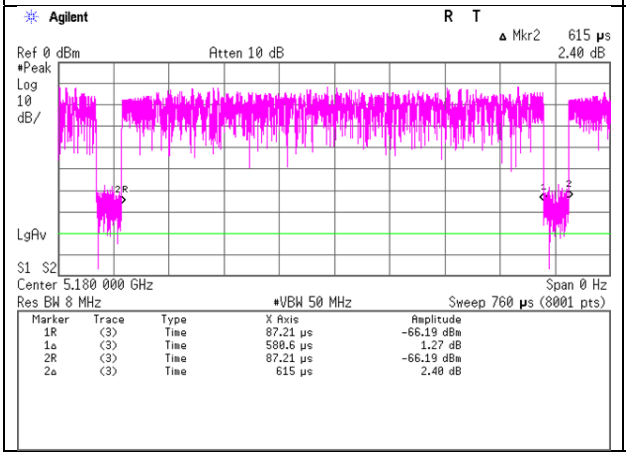


Burst rate confirmation

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 23, 2024
Temperature / Humidity	23 deg. C / 62 % RH
Engineer	Takafumi Noguchi
Mode	Tx

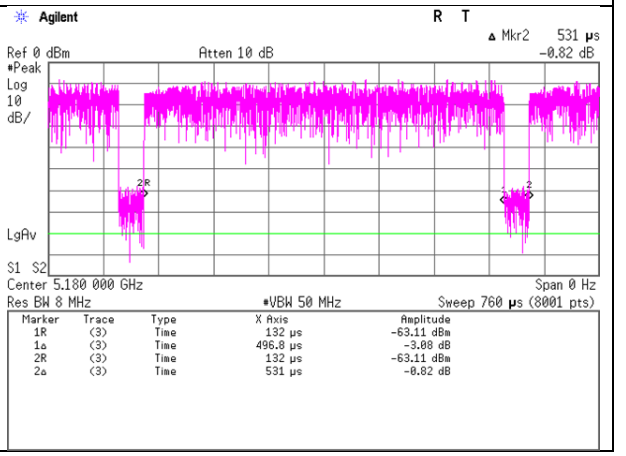
11ax-20 [26-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.944
Tx on / (Tx on + Tx off) * 100 =	94.4 %
Duty factor = 10 * log (615 / 580.6) =	0.25 dB



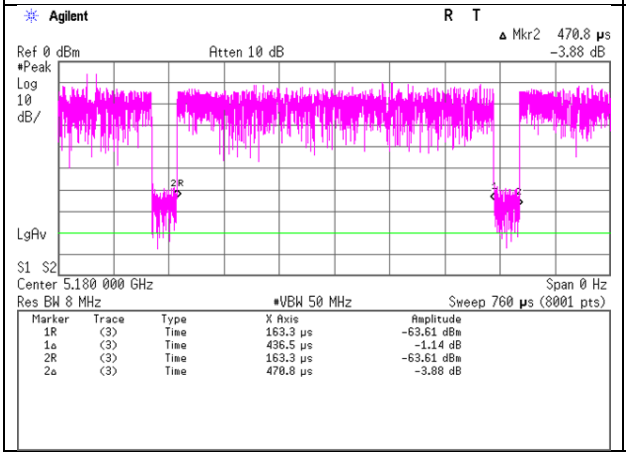
11ax-20 [52-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.936
Tx on / (Tx on + Tx off) * 100 =	93.6 %
Duty factor = 10 * log (531 / 496.8) =	0.29 dB



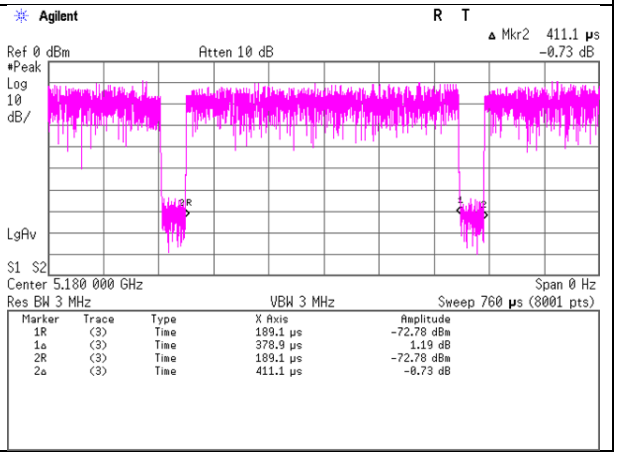
11ax-20 [106-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.927
Tx on / (Tx on + Tx off) * 100 =	92.7 %
Duty factor = 10 * log (470.8 / 436.5) =	0.33 dB



11ax-20 [242-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.922
Tx on / (Tx on + Tx off) * 100 =	92.2 %
Duty factor = 10 * log (411.1 / 378.9) =	0.35 dB

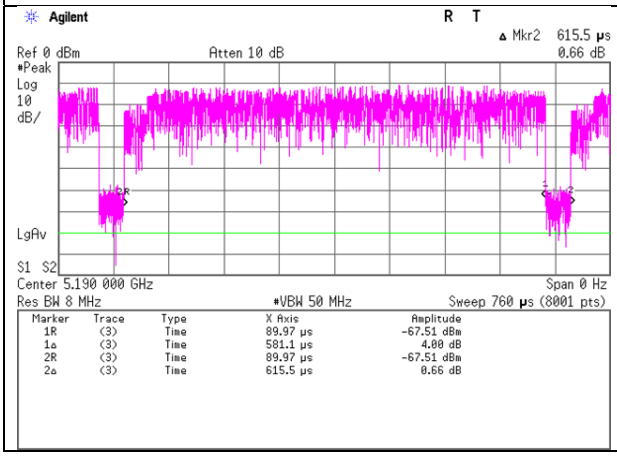


Burst rate confirmation

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 23, 2024
Temperature / Humidity	23 deg. C / 62 % RH
Engineer	Takafumi Noguchi
Mode	Tx

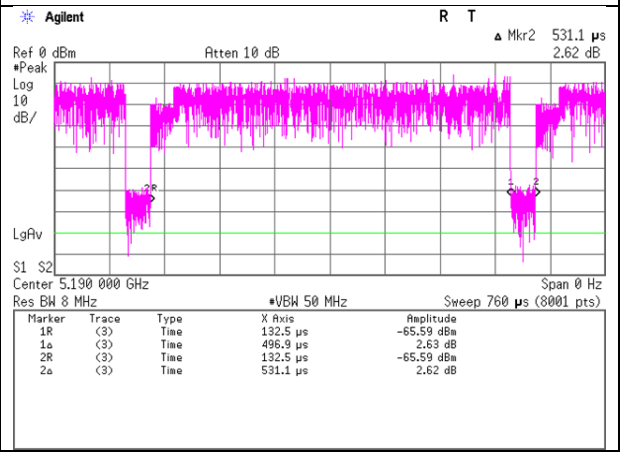
11ax-40 [26-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.944
Tx on / (Tx on + Tx off) * 100 =	94.4 %
Duty factor = 10 * log (615.5 / 581.1) =	0.25 dB



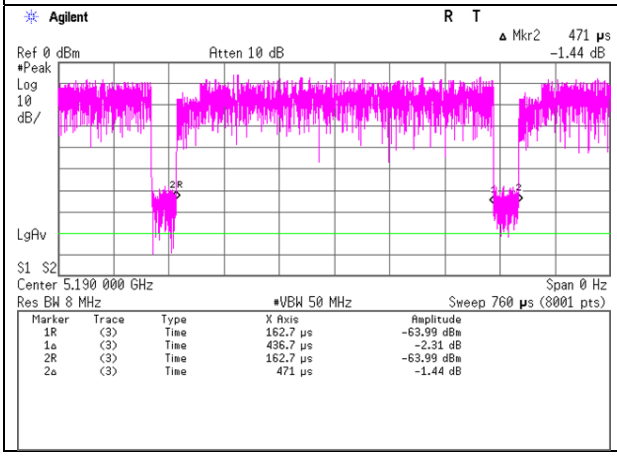
11ax-40 [52-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.936
Tx on / (Tx on + Tx off) * 100 =	93.6 %
Duty factor = 10 * log (531.1 / 496.9) =	0.29 dB



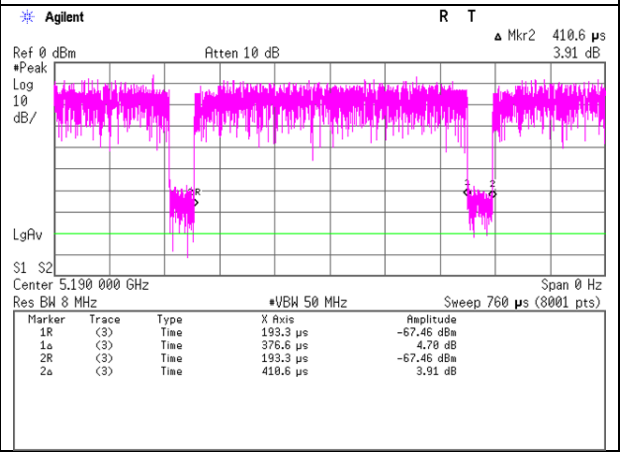
11ax-40 [106-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.927
Tx on / (Tx on + Tx off) * 100 =	92.7 %
Duty factor = 10 * log (471 / 436.7) =	0.33 dB



11ax-40 [242-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.917
Tx on / (Tx on + Tx off) * 100 =	91.7 %
Duty factor = 10 * log (410.6 / 376.6) =	0.38 dB

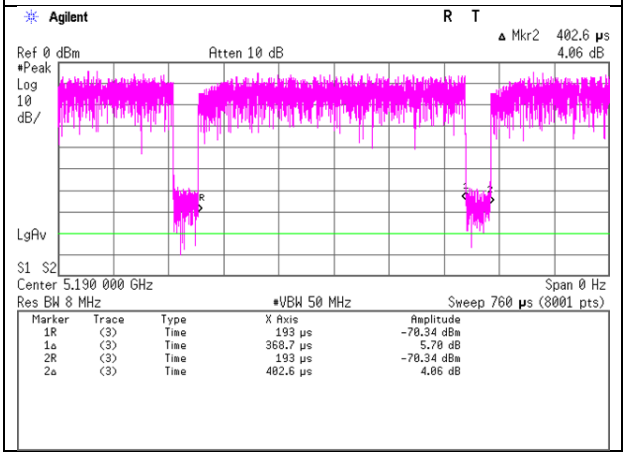


Burst rate confirmation

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 23, 2024
Temperature / Humidity	23 deg. C / 62 % RH
Engineer	Takafumi Noguchi
Mode	Tx

11ax-40 [484-tone RU]
MCS 0

Tx on / (Tx on + Tx off) =	**0.916**
Tx on / (Tx on + Tx off) * 100 =	**91.6 %**
Duty factor = 10 * log (402.6 / 368.7) =	**0.38 dB**

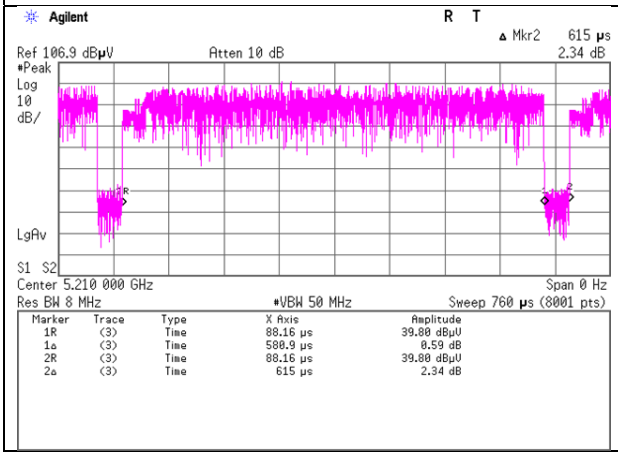


Burst rate confirmation

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 23, 2024
Temperature / Humidity	23 deg. C / 62 % RH
Engineer	Takafumi Noguchi
Mode	Tx

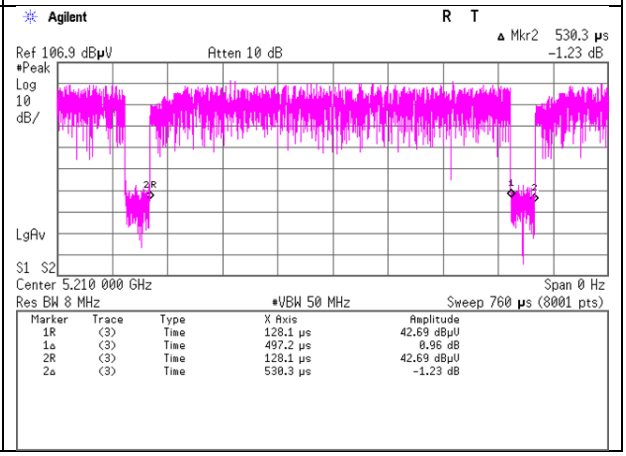
11ax-80 [26-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.945
Tx on / (Tx on + Tx off) * 100 =	94.5 %
Duty factor = 10 * log (615 / 580.9) =	0.25 dB



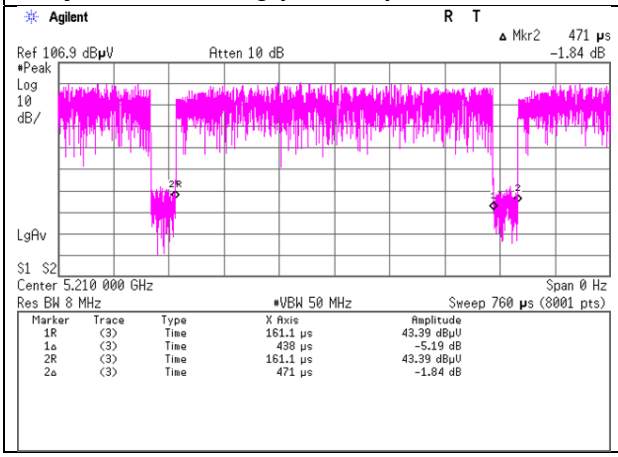
11ax-80 [52-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.938
Tx on / (Tx on + Tx off) * 100 =	93.8 %
Duty factor = 10 * log (530.3 / 497.2) =	0.28 dB



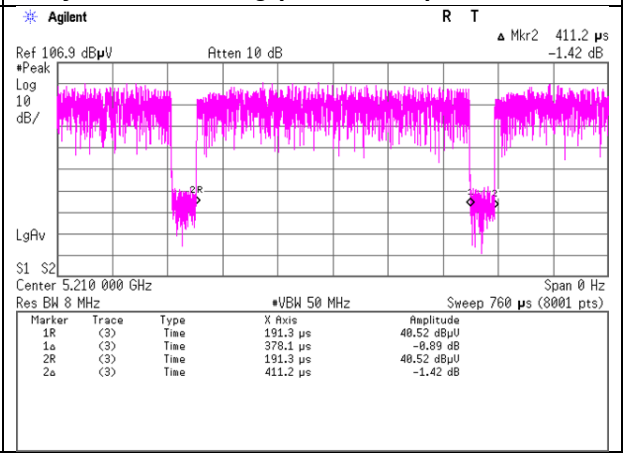
11ax-80 [106-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.930
Tx on / (Tx on + Tx off) * 100 =	93.0 %
Duty factor = 10 * log (471 / 438) =	0.32 dB



11ax-80 [242-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.920
Tx on / (Tx on + Tx off) * 100 =	92.0 %
Duty factor = 10 * log (411.2 / 378.1) =	0.36 dB

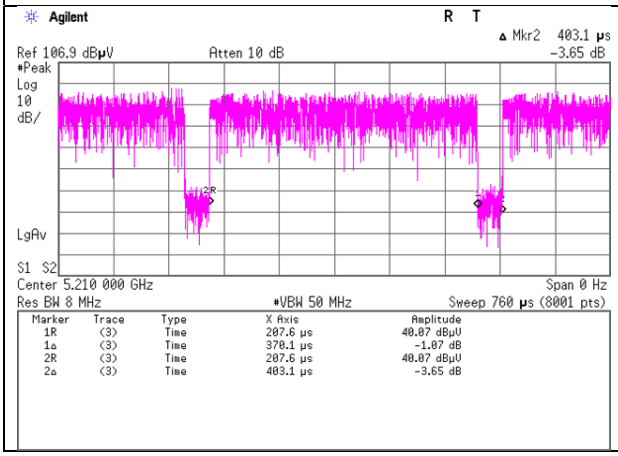


Burst rate confirmation

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 23, 2024
Temperature / Humidity	23 deg. C / 62 % RH
Engineer	Takafumi Noguchi
Mode	Tx

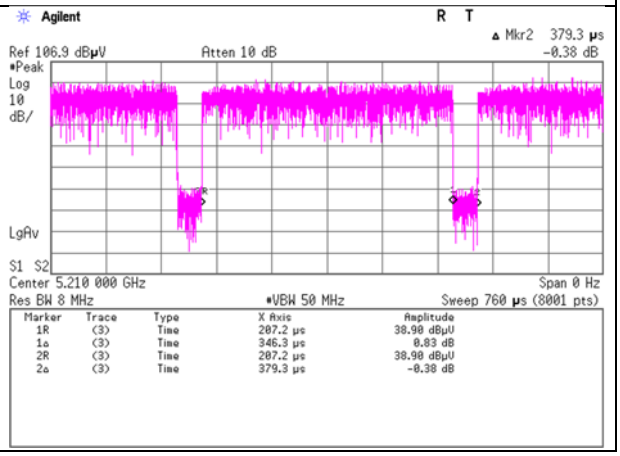
11ax-80 [484-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.918
Tx on / (Tx on + Tx off) * 100 =	91.8 %
Duty factor = 10 * log (403.1 / 370.1) =	0.37 dB



11ax-80 [996-tone RU] MCS 0

Tx on / (Tx on + Tx off) =	0.913
Tx on / (Tx on + Tx off) * 100 =	91.3 %
Duty factor = 10 * log (379.3 / 346.3) =	0.40 dB



Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	23 deg. C / 68 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-20 5180 MHz [OFDM]

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	49.3	40.5	32.2	6.3	30.9	-	56.9	48.1	73.9	53.9	17.0	5.8	
Hori.	10360.0	43.5	-	35.9	-3.1	32.6	-	43.8	-	68.2	-	24.4	-	
Hori.	15540.0	44.5	35.8	39.3	-1.9	32.2	-	49.7	41.0	73.9	53.9	24.2	12.9	Floor noise
Vert.	5150.0	48.9	40.2	32.2	6.3	30.9	-	56.4	47.8	73.9	53.9	17.5	6.2	
Vert.	10360.0	44.0	-	35.9	-3.1	32.6	-	44.2	-	68.2	-	24.0	-	
Vert.	15540.0	44.0	35.6	39.3	-1.9	32.2	-	49.2	40.8	73.9	53.9	24.7	13.1	Floor noise

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

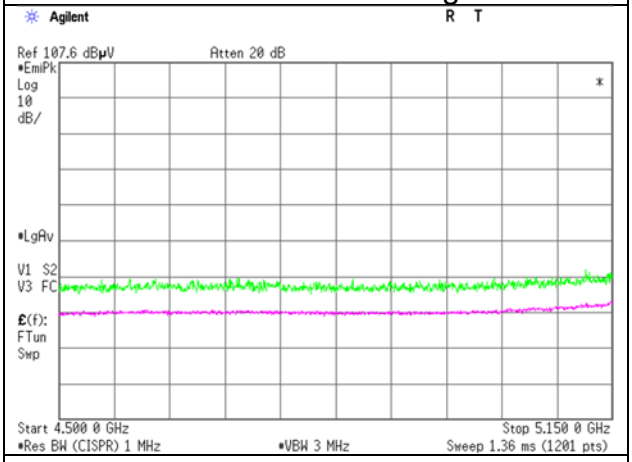
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	23 deg. C / 68 % RH
Engineer	Kiyoshiro Okazaki
Mode	Tx 11ax-20 5180 MHz [OFDM]

Horizontal

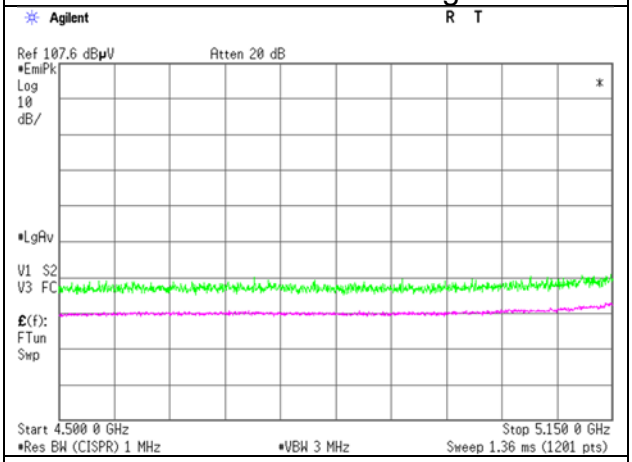
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-20 5260 MHz [OFDM]

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	10520.0	44.8	-	36.2	-3.0	32.6	-	45.3	-	68.2	-	22.9	-	
Hori.	15780.0	43.0	35.7	39.6	-1.8	32.2	-	48.6	41.3	73.9	53.9	25.3	12.6	Floor noise
Vert.	10520.0	45.1	-	36.2	-3.0	32.6	-	45.6	-	68.2	-	22.6	-	
Vert.	15780.0	42.9	35.6	39.6	-1.8	32.2	-	48.5	41.2	73.9	53.9	25.4	12.7	Floor noise

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

Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-20 5320 MHz [OFDM]

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	50.7	41.3	31.8	6.3	30.9	-	57.9	48.5	73.9	53.9	16.0	5.4	
Hori.	10640.0	45.8	37.3	36.7	-3.0	32.7	-	46.8	38.2	73.9	53.9	27.1	15.7	
Hori.	15960.0	43.4	35.6	39.9	-1.8	32.3	-	49.2	41.4	73.9	53.9	24.7	12.5	Floor noise
Vert.	5350.0	52.7	43.0	31.8	6.3	30.9	-	59.9	50.2	73.9	53.9	14.0	3.7	
Vert.	10640.0	45.2	37.9	36.7	-3.0	32.7	-	46.2	38.9	73.9	53.9	27.8	15.0	
Vert.	15960.0	43.2	35.4	39.9	-1.8	32.3	-	49.1	41.3	73.9	53.9	24.8	12.6	Floor noise

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

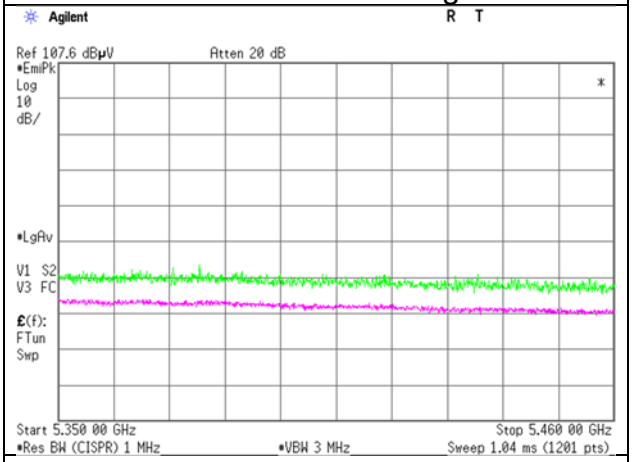
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 5320 MHz [OFDM]

Horizontal

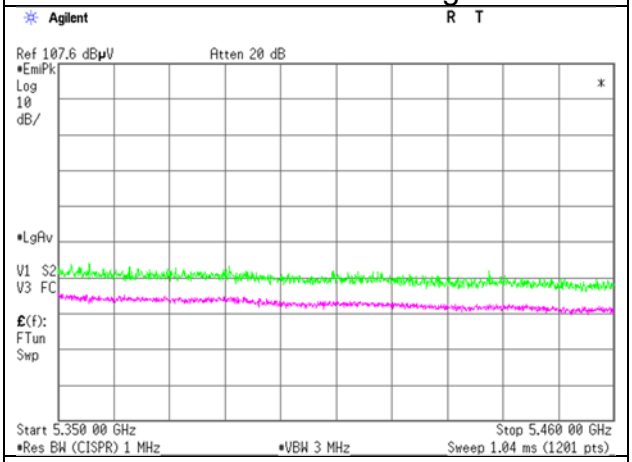
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4	No.4
Date	July 28, 2024	July 29, 2024
Temperature / Humidity	23 deg. C / 58 % RH	21 deg. C / 54 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)	Takumi Nishida (Below 1 GHz)
Mode	Tx 11ax-20 [OFDM] 5500 MHz	

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	109.1	48.2	-	11.7	7.9	32.1	-	35.8	-	43.5	-	7.7	-	
Hori.	111.2	45.2	-	11.9	8.0	32.1	-	33.0	-	43.5	-	10.5	-	
Hori.	169.0	39.9	-	15.9	8.5	32.0	-	32.2	-	43.5	-	11.3	-	
Hori.	329.3	41.4	-	14.5	9.7	32.0	-	33.6	-	46.0	-	12.4	-	
Hori.	592.1	38.4	-	19.1	11.2	32.2	-	36.5	-	46.0	-	9.5	-	
Hori.	929.7	30.7	-	22.0	12.4	30.9	-	34.1	-	46.0	-	11.9	-	
Hori.	5460.0	50.5	40.9	32.1	6.4	30.9	-	58.0	48.4	68.2	53.9	10.2	5.5	
Hori.	5470.0	51.5	-	32.1	6.4	30.9	-	59.0	-	68.2	-	9.2	-	
Hori.	11000.0	48.8	40.7	37.4	-2.9	32.8	-	50.5	42.4	73.9	53.9	23.4	11.5	
Hori.	16500.0	43.9	-	39.9	-1.7	32.3	-	49.7	-	68.2	-	18.5	-	Floor noise
Vert.	36.4	44.6	-	16.2	7.1	32.1	-	35.8	-	40.0	-	4.2	-	
Vert.	109.2	47.7	-	11.7	7.9	32.1	-	35.3	-	43.5	-	8.2	-	
Vert.	169.0	41.0	-	15.9	8.5	32.0	-	33.3	-	43.5	-	10.2	-	
Vert.	327.1	42.4	-	14.4	9.7	32.0	-	34.5	-	46.0	-	11.5	-	
Vert.	605.4	39.4	-	19.3	11.3	32.2	-	37.8	-	46.0	-	8.2	-	
Vert.	859.2	33.7	-	21.8	12.1	31.4	-	36.2	-	46.0	-	9.8	-	
Vert.	5460.0	51.2	41.6	32.1	6.4	30.9	-	58.7	49.1	68.2	53.9	9.5	4.8	
Vert.	5470.0	52.1	-	32.1	6.4	30.9	-	59.6	-	68.2	-	8.6	-	
Vert.	11000.0	50.8	42.0	37.4	-2.9	32.8	-	52.4	43.7	73.9	53.9	21.5	10.2	
Vert.	16500.0	43.7	-	39.9	-1.7	32.3	-	49.5	-	68.2	-	18.7	-	Floor noise

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

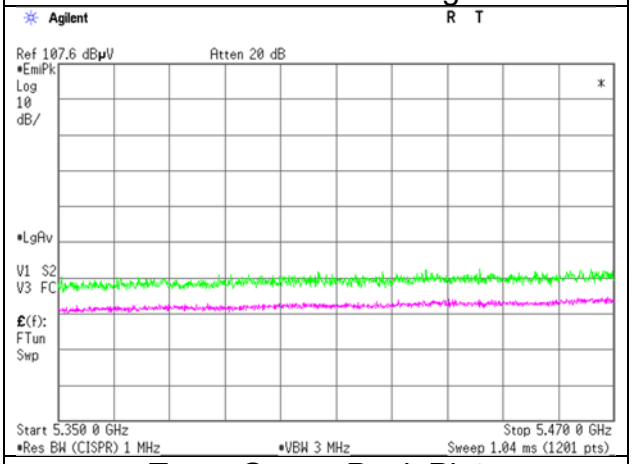
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [OFDM] 5500 MHz

Horizontal

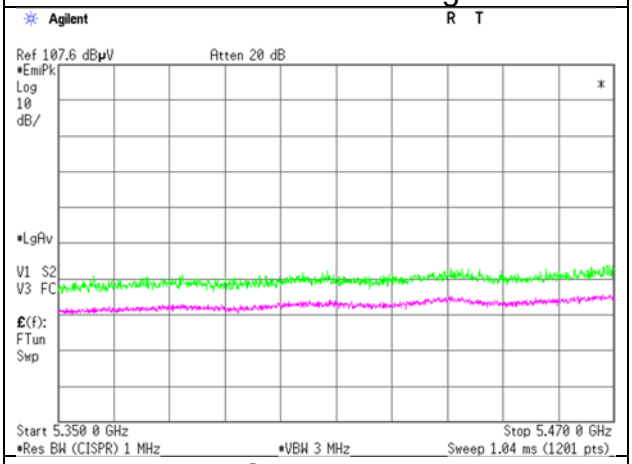
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-20 [OFDM] 5580 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	11160.0	47.7	39.1	37.3	-2.9	32.8	-	49.5	40.8	73.9	53.9	24.5	13.1	
Hori.	16740.0	43.7	-	39.6	-1.6	32.3	-	49.3	-	68.2	-	18.9	-	Floor noise
Vert.	11160.0	49.2	39.6	37.3	-2.9	32.8	-	50.9	41.3	73.9	53.9	23.0	12.6	
Vert.	16740.0	43.3	-	39.6	-1.6	32.3	-	49.0	-	68.2	-	19.2	-	Floor noise

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

Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-20 [OFDM] 5700 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	57.7	-	32.5	6.5	31.0	-	65.7	-	68.2	-	2.5	-	
Hori.	11400.0	46.1	38.1	37.6	-2.8	32.7	-	48.2	40.2	73.9	53.9	25.7	13.7	
Hori.	17100.0	43.6	-	39.7	-1.5	32.4	-	49.3	-	68.2	-	18.9	-	Floor noise
Vert.	5725.0	57.0	-	32.5	6.5	31.0	-	65.0	-	68.2	-	3.2	-	
Vert.	11400.0	45.2	37.1	37.6	-2.8	32.7	-	47.3	39.2	73.9	53.9	26.6	14.7	
Vert.	17100.0	44.7	-	39.7	-1.5	32.4	-	50.5	-	68.2	-	17.7	-	Floor noise

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

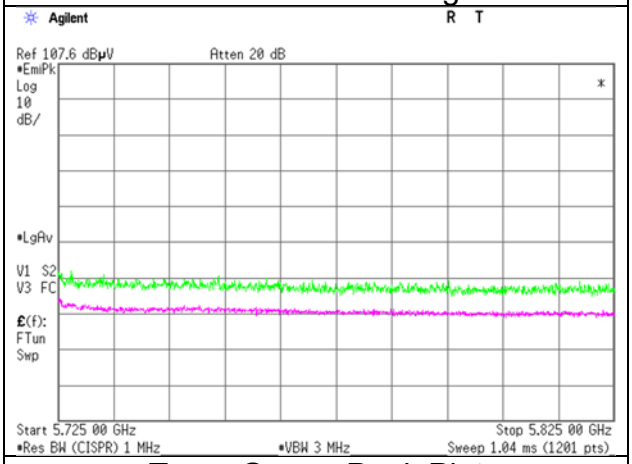
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [OFDM] 5700 MHz

Horizontal

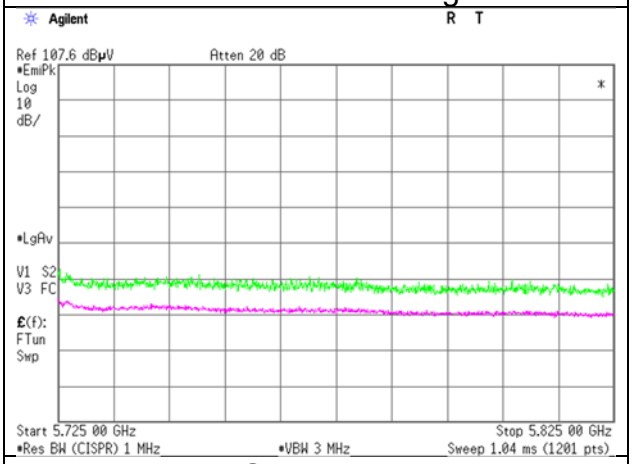
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-20 [OFDM] 5745 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	45.5	-	32.4	6.5	31.0	-	53.3	-	68.2	-	14.9	-	
Hori.	5700.0	46.2	-	32.5	6.5	31.0	-	54.1	-	105.2	-	51.1	-	
Hori.	5720.0	52.1	-	32.5	6.5	31.0	-	60.1	-	110.8	-	50.7	-	
Hori.	5725.0	67.4	-	32.5	6.5	31.0	-	75.4	-	122.2	-	46.8	-	
Hori.	11490.0	44.1	36.3	37.7	-2.8	32.7	-	46.3	38.5	73.9	53.9	27.6	15.4	
Hori.	17235.0	44.5	-	39.8	-1.5	32.4	-	50.5	-	68.2	-	17.7	-	Floor noise
Vert.	5650.0	46.3	-	32.4	6.5	31.0	-	54.1	-	68.2	-	14.1	-	
Vert.	5700.0	47.4	-	32.5	6.5	31.0	-	55.3	-	105.2	-	49.9	-	
Vert.	5720.0	54.1	-	32.5	6.5	31.0	-	62.1	-	110.8	-	48.7	-	
Vert.	5725.0	68.0	-	32.5	6.5	31.0	-	76.0	-	122.2	-	46.2	-	
Vert.	11490.0	43.6	35.5	37.7	-2.8	32.7	-	45.8	37.7	73.9	53.9	28.2	16.2	
Vert.	17235.0	44.2	-	39.8	-1.5	32.4	-	50.2	-	68.2	-	18.0	-	Floor noise

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

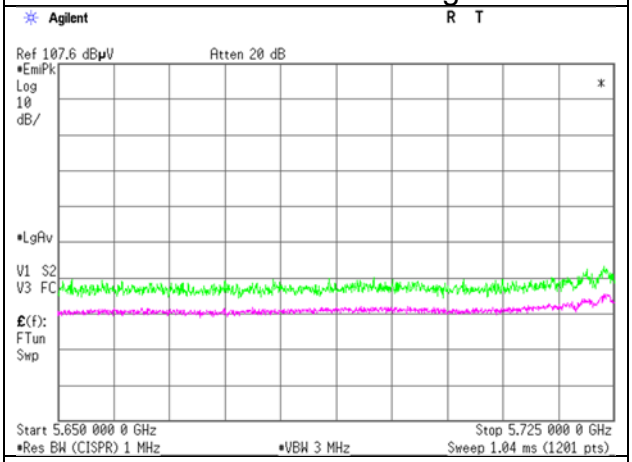
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [OFDM] 5745 MHz

Horizontal

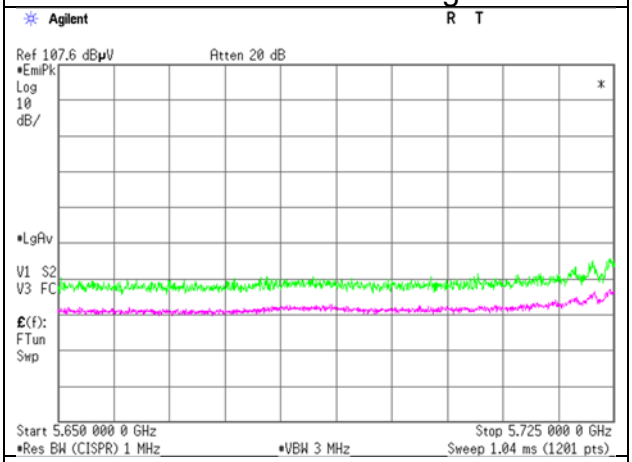
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-20 [OFDM] 5785 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	11570.0	43.6	35.0	37.7	-2.8	32.7	-	45.8	37.2	73.9	53.9	28.1	16.7	
Hori.	17355.0	43.6	-	39.9	-1.4	32.4	-	49.8	-	68.2	-	18.4	-	Floor noise
Vert.	11570.0	42.2	34.8	37.7	-2.8	32.7	-	44.4	37.0	73.9	53.9	29.5	16.9	
Vert.	17355.0	43.5	-	39.9	-1.4	32.4	-	49.7	-	68.2	-	18.6	-	Floor noise

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

Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-20 [OFDM] 5825 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	52.6	-	32.8	6.5	31.1	-	60.9	-	122.2	-	61.3	-	
Hori.	5855.0	48.6	-	32.8	6.5	31.1	-	56.9	-	110.8	-	53.9	-	
Hori.	5875.0	46.9	-	32.8	6.6	31.1	-	55.2	-	105.2	-	50.0	-	
Hori.	5925.0	45.2	-	32.8	6.6	31.1	-	53.5	-	68.2	-	14.7	-	
Hori.	11650.0	44.0	35.4	37.7	-2.8	32.6	-	46.4	37.7	73.9	53.9	27.6	16.2	
Hori.	17475.0	43.1	-	40.0	-1.4	32.4	-	49.4	-	68.2	-	18.8	-	Floor noise
Vert.	5850.0	53.7	-	32.8	6.5	31.1	-	62.0	-	122.2	-	60.2	-	
Vert.	5855.0	49.3	-	32.8	6.5	31.1	-	57.6	-	110.8	-	53.2	-	
Vert.	5875.0	46.9	-	32.8	6.6	31.1	-	55.2	-	105.2	-	50.0	-	
Vert.	5925.0	45.2	-	32.8	6.6	31.1	-	53.5	-	68.2	-	14.7	-	
Vert.	11650.0	44.5	35.5	37.7	-2.8	32.6	-	46.8	37.8	73.9	53.9	27.1	16.1	
Vert.	17475.0	43.2	-	40.0	-1.4	32.4	-	49.5	-	68.2	-	18.7	-	Floor noise

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

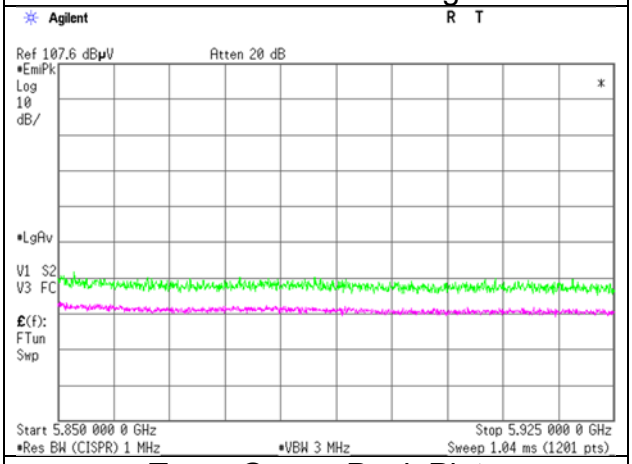
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [OFDM] 5825 MHz

Horizontal

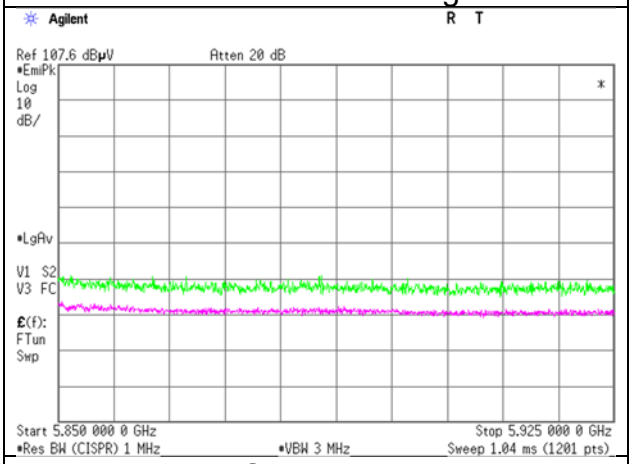
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 0] 5180 MHz

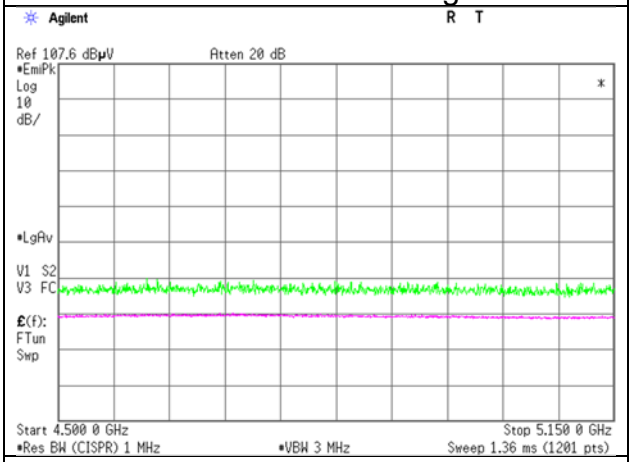
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	41.0	32.8	32.2	6.3	30.9	0.3	48.6	40.6	73.9	53.9	25.3	13.3	*1)
Vert.	5150.0	42.1	33.2	32.2	6.3	30.9	0.3	49.7	41.0	73.9	53.9	24.2	12.9	*1)

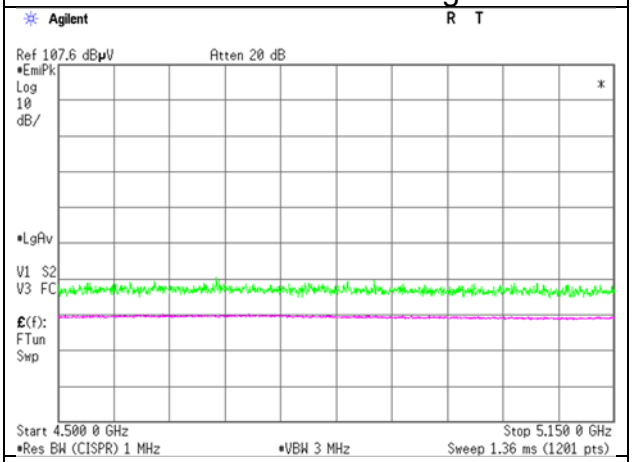
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 0] 5180 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 37] 5180 MHz

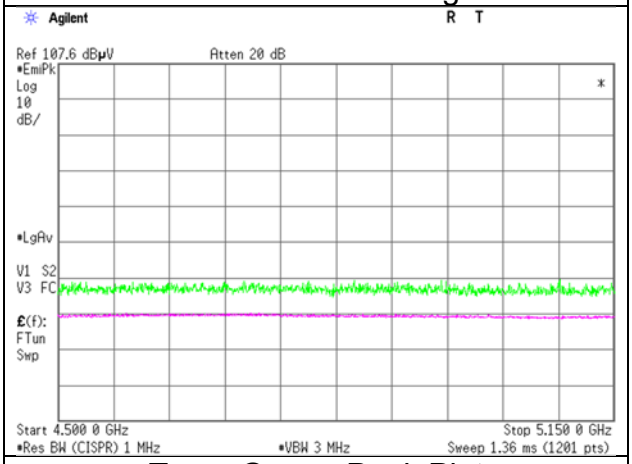
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	42.5	33.3	32.2	6.3	30.9	0.3	50.1	41.2	73.9	53.9	23.8	12.7	*1)
Vert.	5150.0	42.8	33.8	32.2	6.3	30.9	0.3	50.3	41.6	73.9	53.9	23.6	12.3	*1)

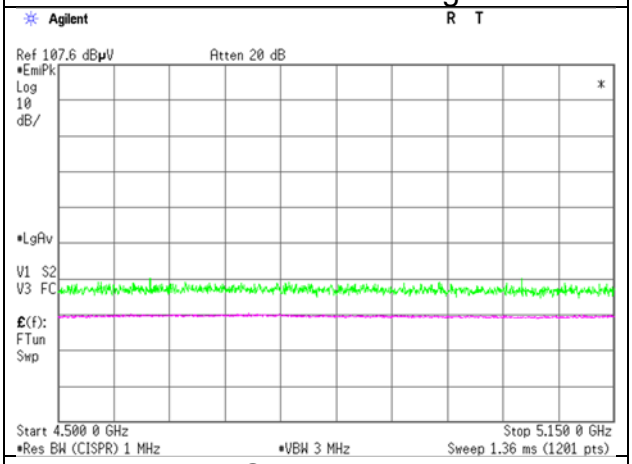
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 37] 5180 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 53] 5180 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	42.5	34.3	32.2	6.3	30.9	0.3	50.0	42.2	73.9	53.9	23.9	11.7	*1)
Vert.	5150.0	44.8	34.4	32.2	6.3	30.9	0.3	52.3	42.3	73.9	53.9	21.6	11.6	*1)

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

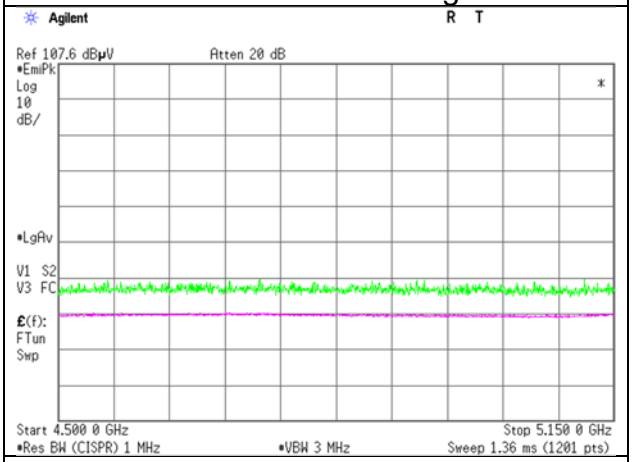
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 53] 5180 MHz

Horizontal

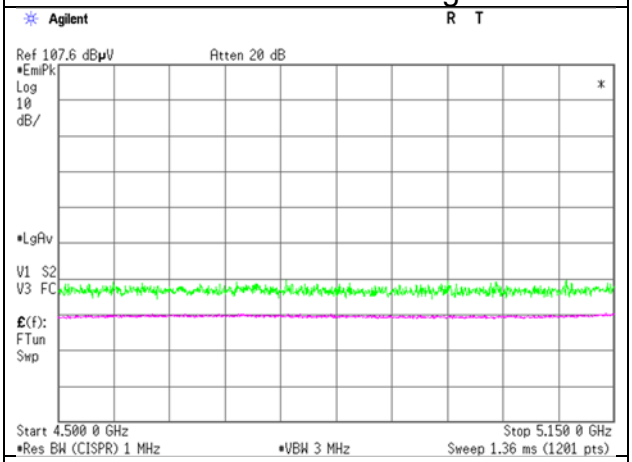
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5180 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	45.6	36.5	32.2	6.3	30.9	0.4	53.2	44.4	73.9	53.9	20.7	9.5	*1)
Vert.	5150.0	46.4	37.2	32.2	6.3	30.9	0.4	54.0	45.1	73.9	53.9	20.0	8.8	*1)

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

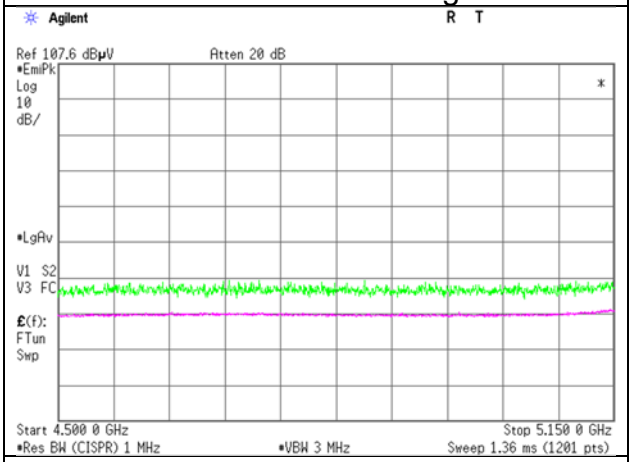
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5180 MHz

Horizontal

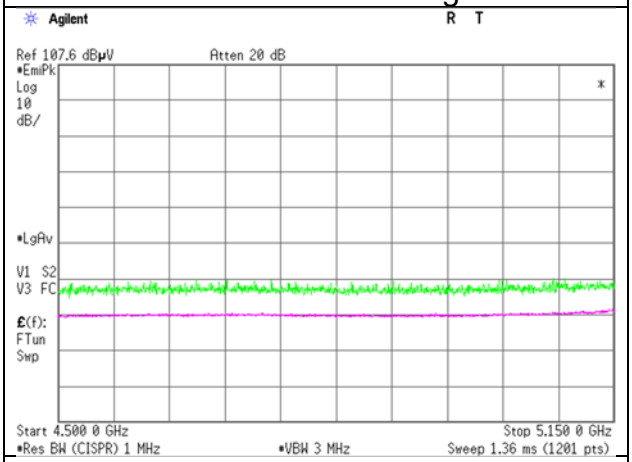
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 8] 5320 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	42.4	33.7	31.8	6.3	30.9	0.3	49.6	41.2	73.9	53.9	24.3	12.8	*1)
Vert.	5350.0	42.3	33.9	31.8	6.3	30.9	0.3	49.5	41.3	73.9	53.9	24.4	12.6	*1)

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

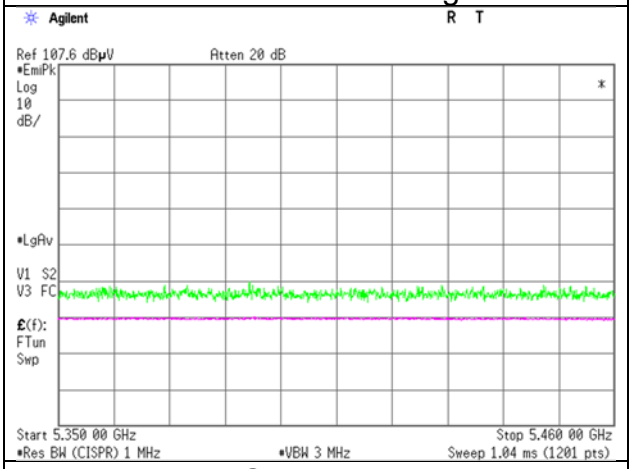
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 8] 5320 MHz

Horizontal

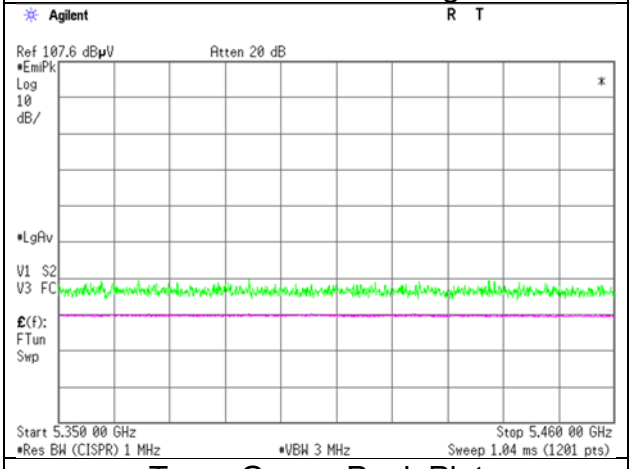
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5320 MHz

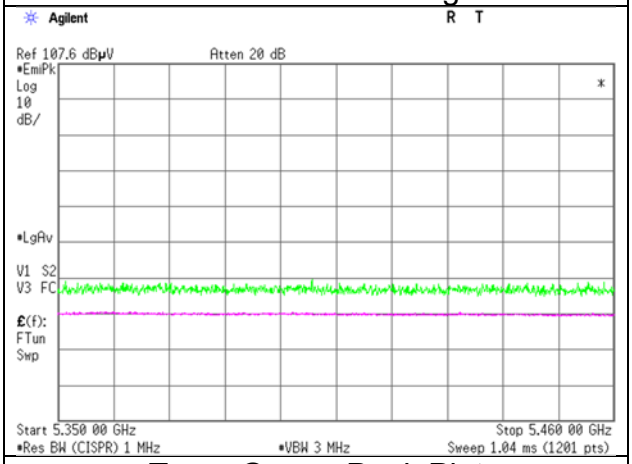
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	42.9	34.5	31.8	6.3	30.9	0.3	50.1	41.9	73.9	53.9	23.8	12.0	*1)
Vert.	5350.0	45.1	36.6	31.8	6.3	30.9	0.3	52.3	44.1	73.9	53.9	21.6	9.8	*1)

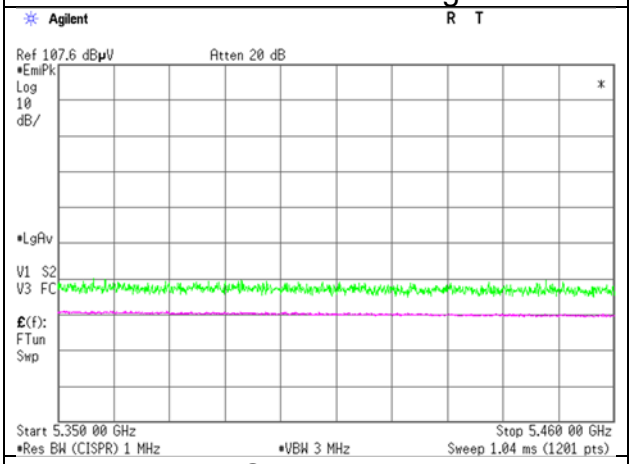
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5320 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 54] 5320 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	43.7	35.8	31.8	6.3	30.9	0.3	50.9	43.3	73.9	53.9	23.0	10.6	*1)
Vert.	5350.0	45.6	37.0	31.8	6.3	30.9	0.3	52.8	44.5	73.9	53.9	21.1	9.4	*1)

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

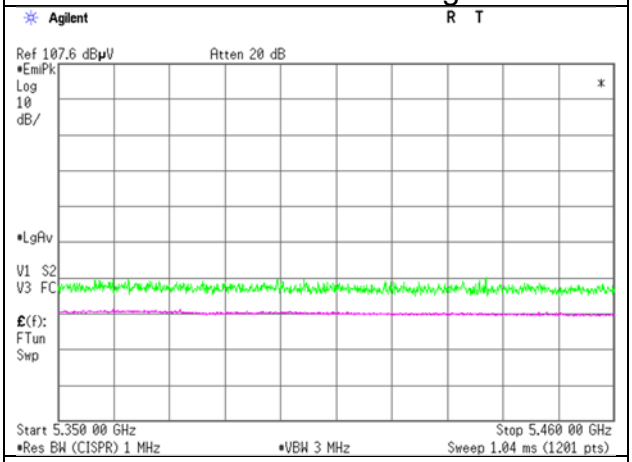
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 54] 5320 MHz

Horizontal

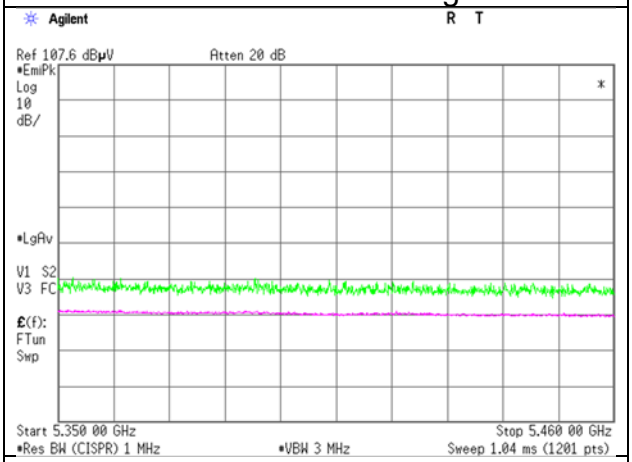
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5320 MHz

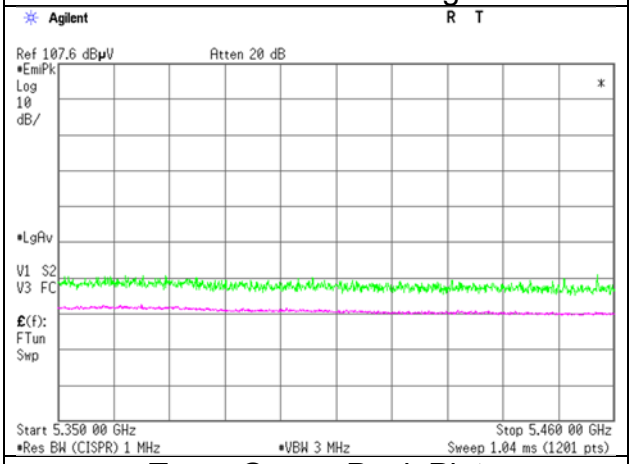
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	47.0	38.1	31.8	6.3	30.9	0.4	54.2	45.7	73.9	53.9	19.7	8.2	*1)
Vert.	5350.0	48.0	39.3	31.8	6.3	30.9	0.4	55.2	46.9	73.9	53.9	18.7	7.0	*1)

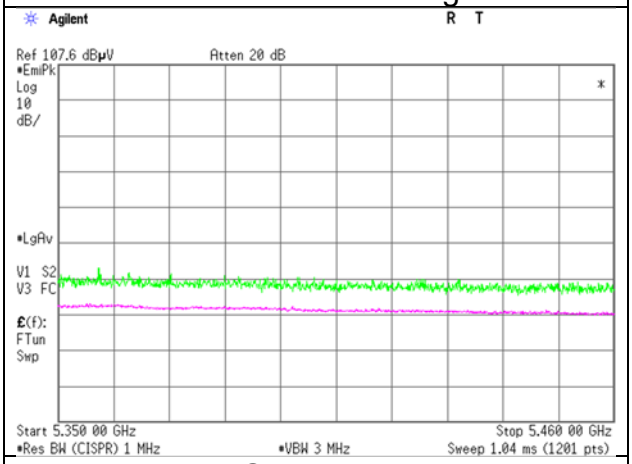
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5320 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 0] 5500 MHz

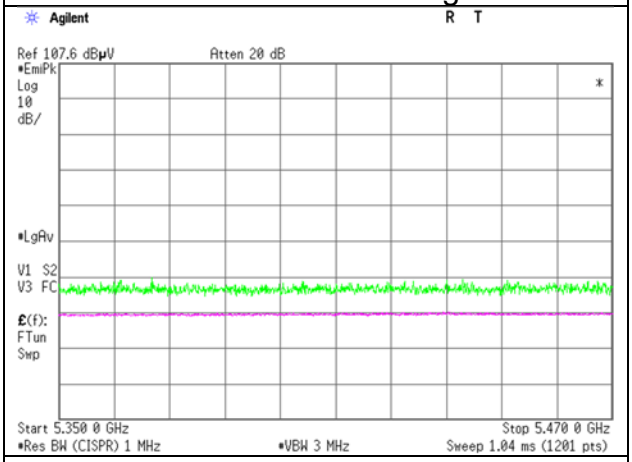
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	42.1	33.6	32.1	6.4	30.9	0.3	49.6	41.3	68.2	53.9	18.6	12.6	*1)
Hori.	5470.0	42.5	-	32.1	6.4	30.9	-	50.0	-	68.2	-	18.2	-	
Vert.	5460.0	42.2	33.9	32.1	6.4	30.9	0.3	49.7	41.6	68.2	53.9	18.5	12.3	*1)
Vert.	5470.0	43.1	-	32.1	6.4	30.9	-	50.6	-	68.2	-	17.6	-	

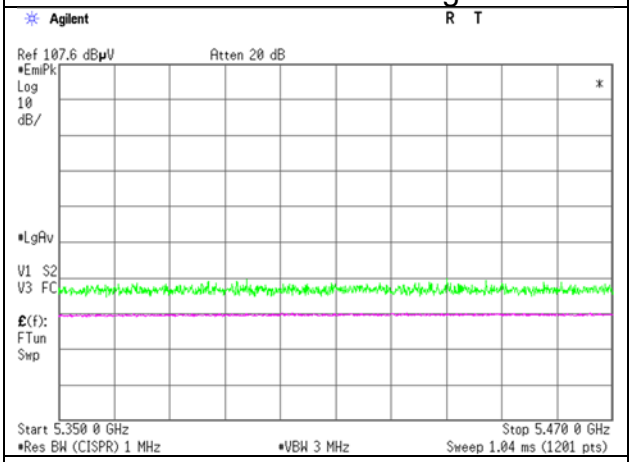
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 0] 5500 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 37] 5500 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	44.5	35.1	32.1	6.4	30.9	0.3	52.0	42.9	68.2	53.9	16.2	11.0	*1)
Hori.	5470.0	45.0	-	32.1	6.4	30.9	-	52.5	-	68.2	-	15.7	-	
Vert.	5460.0	44.3	35.1	32.1	6.4	30.9	0.3	51.8	42.9	68.2	53.9	16.4	11.0	*1)
Vert.	5470.0	44.8	-	32.1	6.4	30.9	-	52.3	-	68.2	-	15.9	-	

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

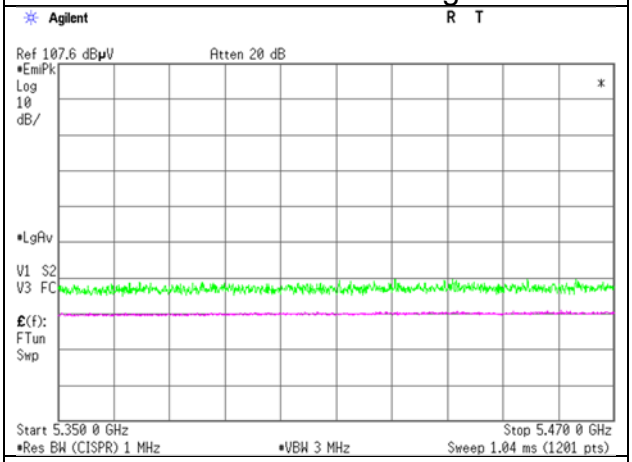
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 37] 5500 MHz

Horizontal

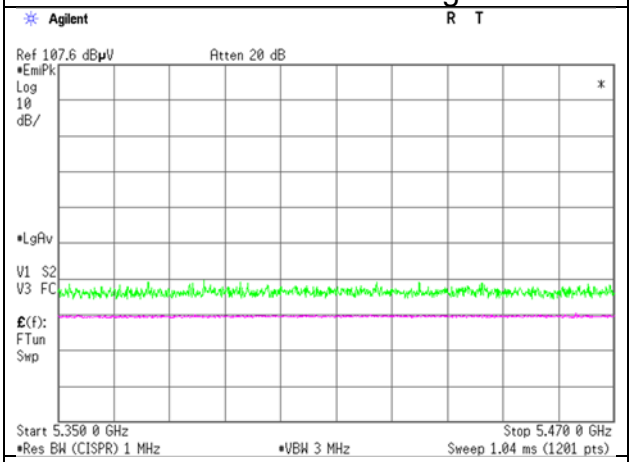
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 53] 5500 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	45.8	36.0	32.1	6.4	30.9	0.3	53.3	43.8	68.2	53.9	14.9	10.1	*1)
Hori.	5470.0	45.3	-	32.1	6.4	30.9	-	52.9	-	68.2	-	15.3	-	
Vert.	5460.0	44.8	36.4	32.1	6.4	30.9	0.3	52.3	44.2	68.2	53.9	15.9	9.7	*1)
Vert.	5470.0	46.4	-	32.1	6.4	30.9	-	54.0	-	68.2	-	14.3	-	

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

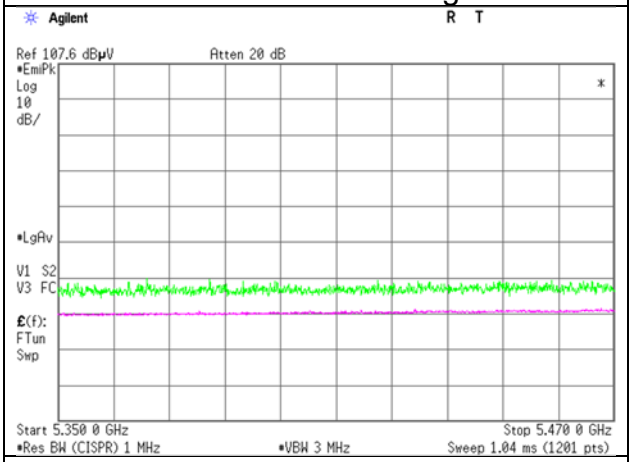
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 53] 5500 MHz

Horizontal

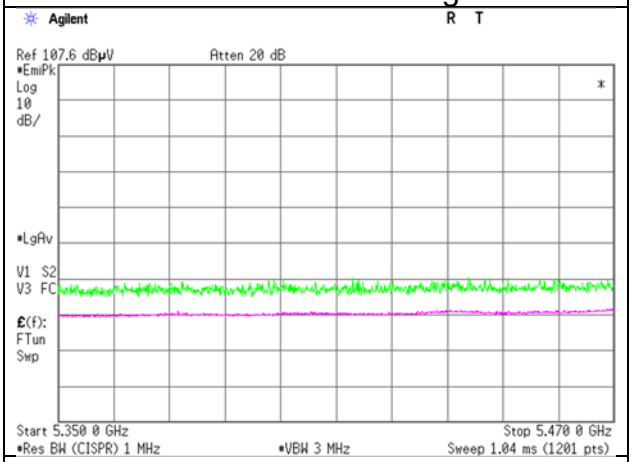
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5500 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	46.7	37.9	32.1	6.4	30.9	0.4	54.2	45.8	68.2	53.9	14.0	8.1	*1)
Hori.	5470.0	46.9	-	32.1	6.4	30.9	-	54.4	-	68.2	-	13.8	-	
Vert.	5460.0	49.2	39.0	32.1	6.4	30.9	0.4	56.7	46.8	68.2	53.9	11.5	7.1	*1)
Vert.	5470.0	49.3	-	32.1	6.4	30.9	-	56.8	-	68.2	-	11.4	-	

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

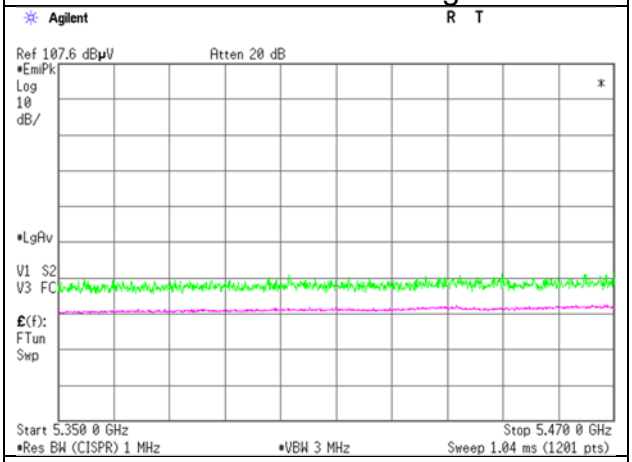
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 21, 2024
Temperature / Humidity	23 deg. C / 59 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5500 MHz

Horizontal

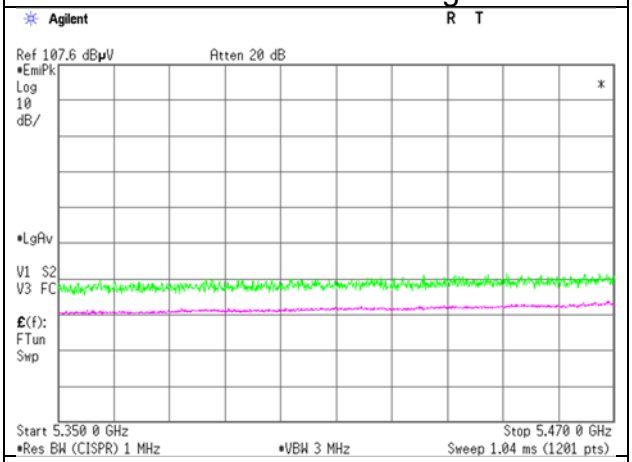
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 8] 5700 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	42.3	-	32.5	6.5	31.0	-	50.3	-	68.2	-	17.9	-	
Vert.	5725.0	41.7	-	32.5	6.5	31.0	-	49.7	-	68.2	-	18.5	-	

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

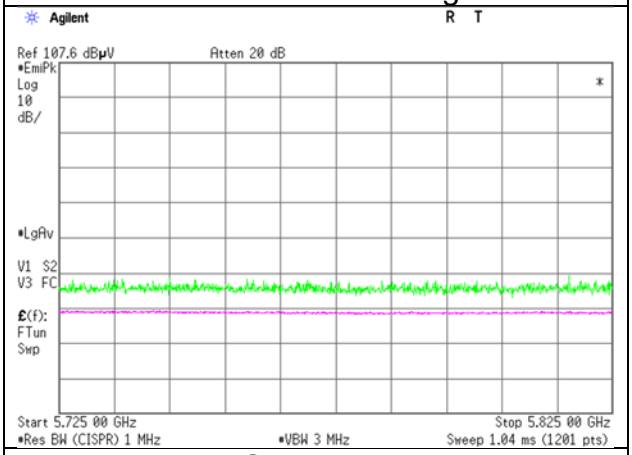
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 8] 5700 MHz

Horizontal

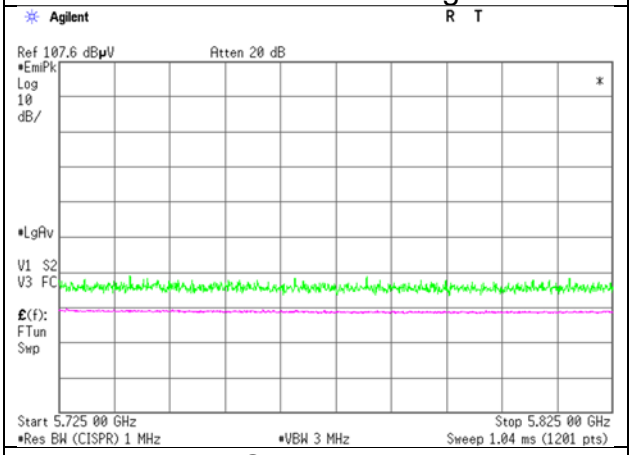
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5700 MHz

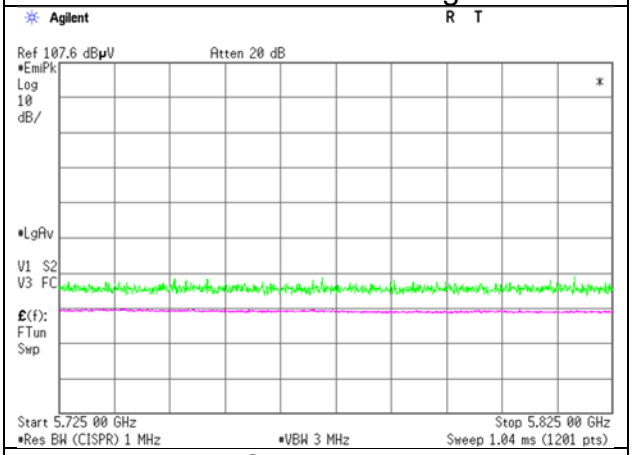
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	42.8	-	32.5	6.5	31.0	-	50.8	-	68.2	-	17.4	-	
Vert.	5725.0	43.1	-	32.5	6.5	31.0	-	51.1	-	68.2	-	17.1	-	

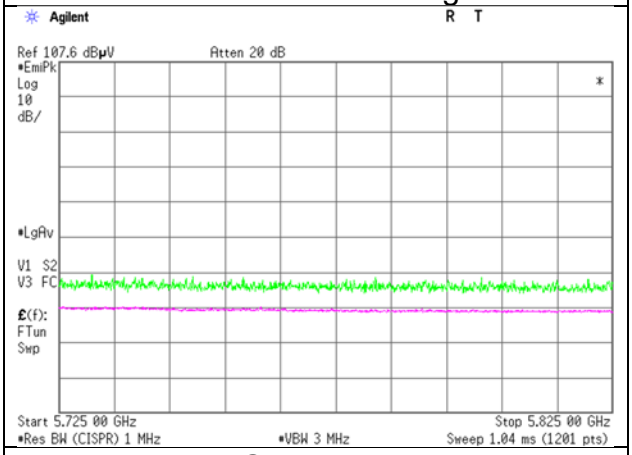
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5700 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 54] 5700 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	44.7	-	32.5	6.5	31.0	-	52.7	-	68.2	-	15.5	-	
Vert.	5725.0	45.4	-	32.5	6.5	31.0	-	53.4	-	68.2	-	14.8	-	

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

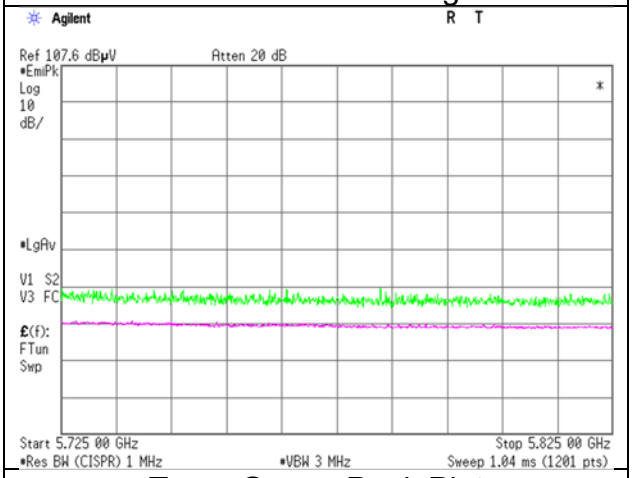
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 54] 5700 MHz

Horizontal

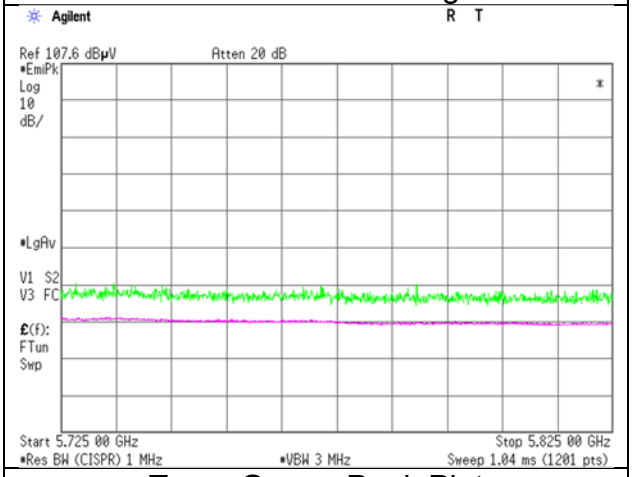
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5700 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	54.3	-	32.5	6.5	31.0	-	62.3	-	68.2	-	5.9	-	
Vert.	5725.0	51.9	-	32.5	6.5	31.0	-	59.9	-	68.2	-	8.3	-	

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

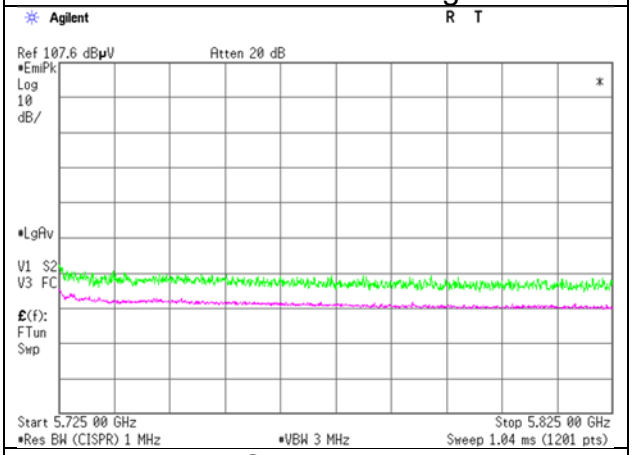
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5700 MHz

Horizontal

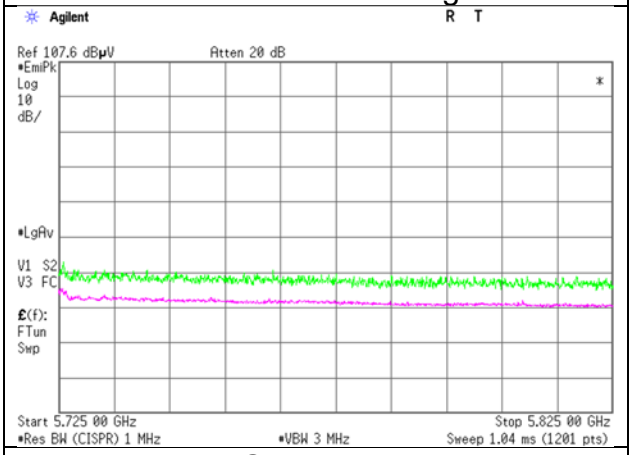
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 0] 5745 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	40.8	-	32.4	6.5	31.0	-	48.6	-	68.2	-	19.6	-	
Hori.	5700.0	41.2	-	32.5	6.5	31.0	-	49.2	-	105.2	-	56.0	-	
Hori.	5720.0	41.8	-	32.5	6.5	31.0	-	49.8	-	110.8	-	61.0	-	
Hori.	5725.0	55.1	-	32.5	6.5	31.0	-	63.1	-	122.2	-	59.1	-	
Vert.	5650.0	40.9	-	32.4	6.5	31.0	-	48.7	-	68.2	-	19.5	-	
Vert.	5700.0	41.2	-	32.5	6.5	31.0	-	49.1	-	105.2	-	56.1	-	
Vert.	5720.0	41.8	-	32.5	6.5	31.0	-	49.8	-	110.8	-	61.0	-	
Vert.	5725.0	56.2	-	32.5	6.5	31.0	-	64.2	-	122.2	-	58.0	-	

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

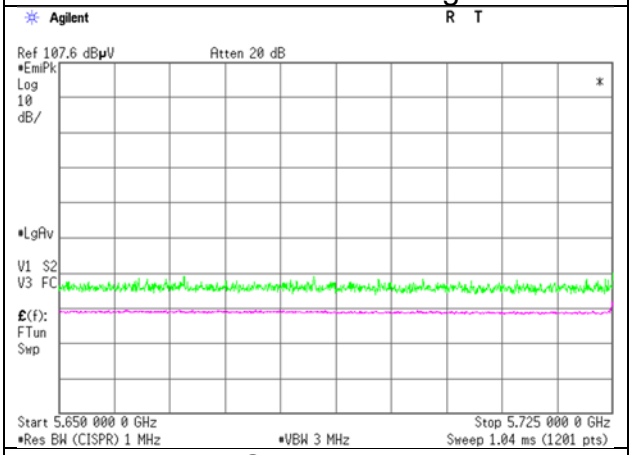
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 0] 5745 MHz

Horizontal

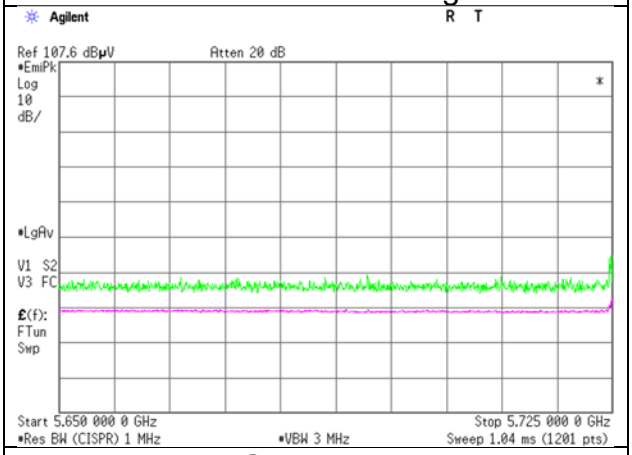
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 37] 5745 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	41.5	-	32.4	6.5	31.0	-	49.4	-	68.2	-	18.9	-	
Hori.	5700.0	42.3	-	32.5	6.5	31.0	-	50.2	-	105.2	-	55.0	-	
Hori.	5720.0	43.4	-	32.5	6.5	31.0	-	51.4	-	110.8	-	59.5	-	
Hori.	5725.0	56.3	-	32.5	6.5	31.0	-	64.3	-	122.2	-	57.9	-	
Vert.	5650.0	41.5	-	32.4	6.5	31.0	-	49.3	-	68.2	-	18.9	-	
Vert.	5700.0	42.9	-	32.5	6.5	31.0	-	50.8	-	105.2	-	54.4	-	
Vert.	5720.0	43.2	-	32.5	6.5	31.0	-	51.2	-	110.8	-	59.6	-	
Vert.	5725.0	59.7	-	32.5	6.5	31.0	-	67.7	-	122.2	-	54.5	-	

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

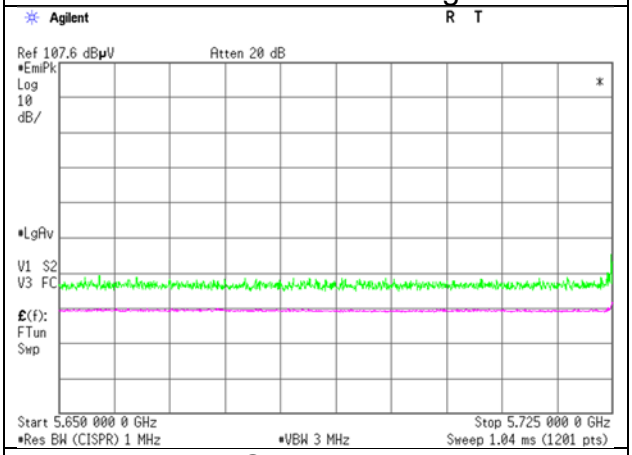
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 37] 5745 MHz

Horizontal

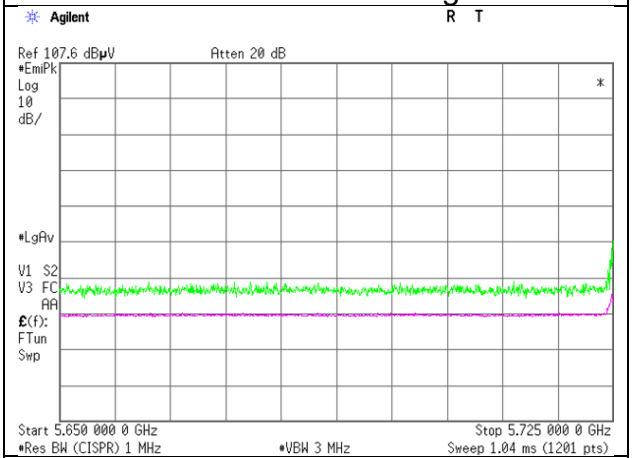
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 53] 5745 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	42.5	-	32.4	6.5	31.0	-	50.3	-	68.2	-	17.9	-	
Hori.	5700.0	43.7	-	32.5	6.5	31.0	-	51.6	-	105.2	-	53.6	-	
Hori.	5720.0	44.2	-	32.5	6.5	31.0	-	52.2	-	110.8	-	58.6	-	
Hori.	5725.0	61.0	-	32.5	6.5	31.0	-	69.1	-	122.2	-	53.2	-	
Vert.	5650.0	42.9	-	32.4	6.5	31.0	-	50.7	-	68.2	-	17.5	-	
Vert.	5700.0	44.8	-	32.5	6.5	31.0	-	52.7	-	105.2	-	52.5	-	
Vert.	5720.0	45.1	-	32.5	6.5	31.0	-	53.1	-	110.8	-	57.7	-	
Vert.	5725.0	62.5	-	32.5	6.5	31.0	-	70.5	-	122.2	-	51.7	-	

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

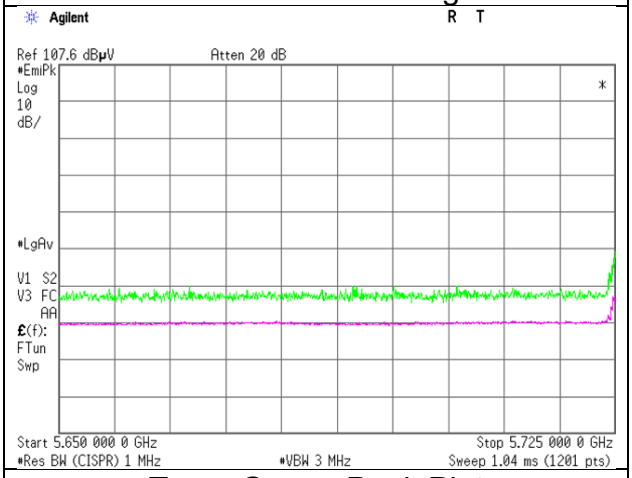
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 53] 5745 MHz

Horizontal

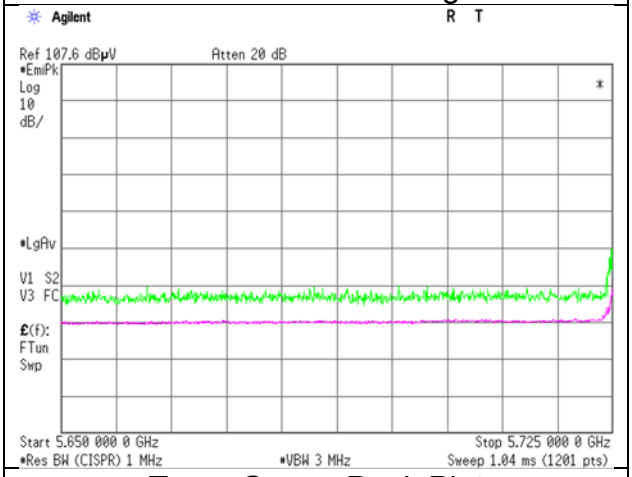
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5745 MHz

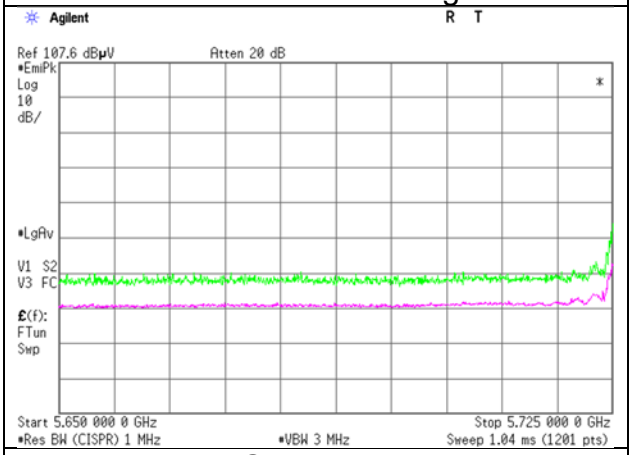
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	43.8	-	32.4	6.5	31.0	-	51.6	-	68.2	-	16.6	-	
Hori.	5700.0	44.4	-	32.5	6.5	31.0	-	52.4	-	105.2	-	52.8	-	
Hori.	5720.0	50.1	-	32.5	6.5	31.0	-	58.1	-	110.8	-	52.7	-	
Hori.	5725.0	61.5	-	32.5	6.5	31.0	-	69.5	-	122.2	-	52.7	-	
Vert.	5650.0	43.2	-	32.4	6.5	31.0	-	51.0	-	68.2	-	17.2	-	
Vert.	5700.0	45.0	-	32.5	6.5	31.0	-	52.9	-	105.2	-	52.3	-	
Vert.	5720.0	52.9	-	32.5	6.5	31.0	-	60.9	-	110.8	-	49.9	-	
Vert.	5725.0	63.4	-	32.5	6.5	31.0	-	71.5	-	122.2	-	50.8	-	

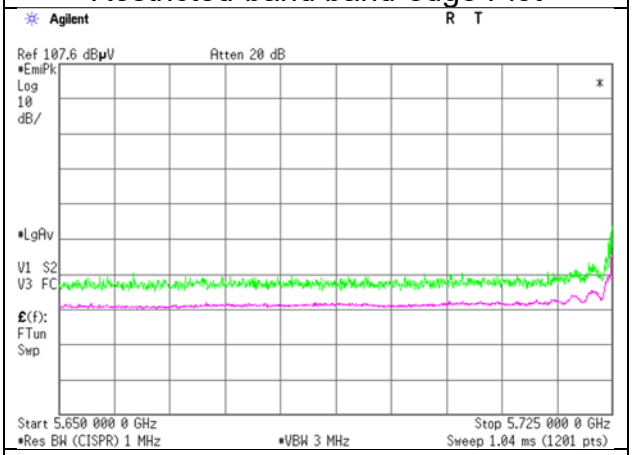
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5745 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 8] 5825 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	42.1	-	32.8	6.5	31.1	-	50.4	-	122.2	-	71.8	-	
Hori.	5855.0	41.6	-	32.8	6.5	31.1	-	49.9	-	110.8	-	60.9	-	
Hori.	5875.0	41.3	-	32.8	6.6	31.1	-	49.6	-	105.2	-	55.6	-	
Hori.	5925.0	40.9	-	32.8	6.6	31.1	-	49.3	-	68.2	-	19.0	-	
Vert.	5850.0	42.2	-	32.8	6.5	31.1	-	50.5	-	122.2	-	71.8	-	
Vert.	5855.0	41.8	-	32.8	6.5	31.1	-	50.1	-	110.8	-	60.7	-	
Vert.	5875.0	41.6	-	32.8	6.6	31.1	-	49.8	-	105.2	-	55.4	-	
Vert.	5925.0	40.9	-	32.8	6.6	31.1	-	49.2	-	68.2	-	19.0	-	

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

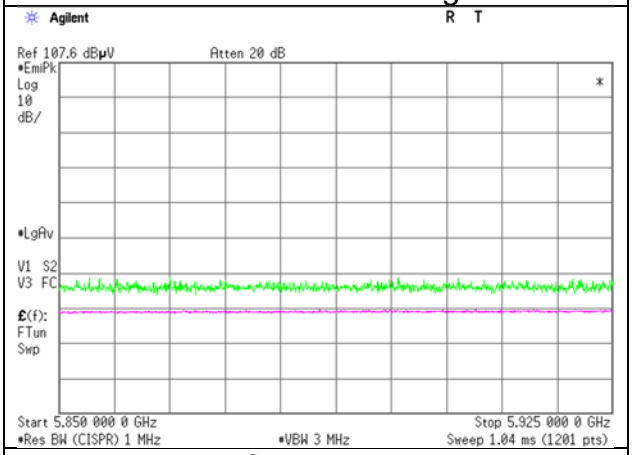
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [26-tone RU/Index 8] 5825 MHz

Horizontal

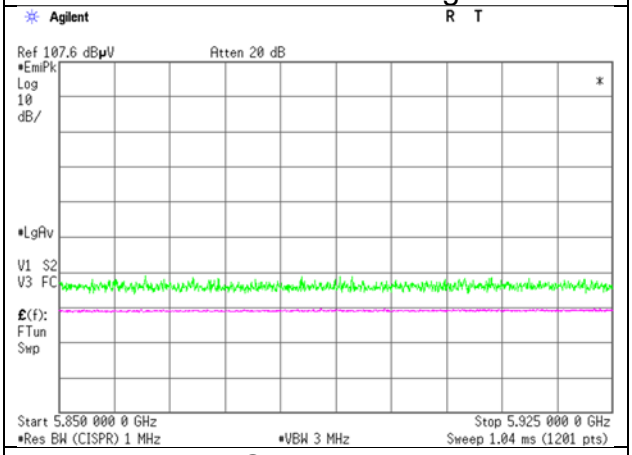
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5825 MHz

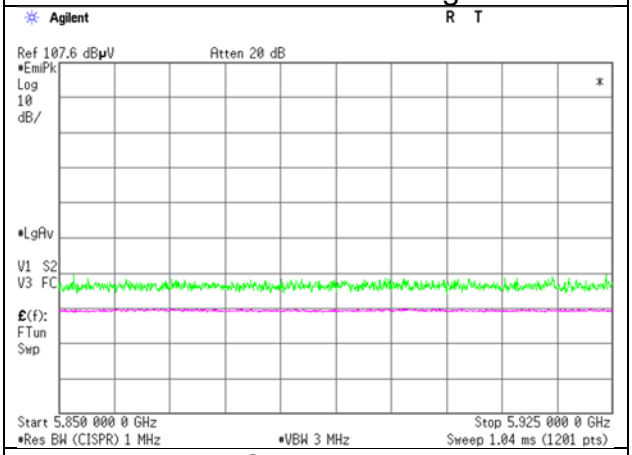
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	43.2	-	32.8	6.5	31.1	-	51.4	-	122.2	-	70.8	-	
Hori.	5855.0	42.6	-	32.8	6.5	31.1	-	50.8	-	110.8	-	60.0	-	
Hori.	5875.0	42.5	-	32.8	6.6	31.1	-	50.8	-	105.2	-	54.4	-	
Hori.	5925.0	42.0	-	32.8	6.6	31.1	-	50.3	-	68.2	-	17.9	-	
Vert.	5850.0	43.7	-	32.8	6.5	31.1	-	52.0	-	122.2	-	70.2	-	
Vert.	5855.0	42.9	-	32.8	6.5	31.1	-	51.2	-	110.8	-	59.6	-	
Vert.	5875.0	42.7	-	32.8	6.6	31.1	-	51.0	-	105.2	-	54.2	-	
Vert.	5925.0	41.8	-	32.8	6.6	31.1	-	50.1	-	68.2	-	18.1	-	

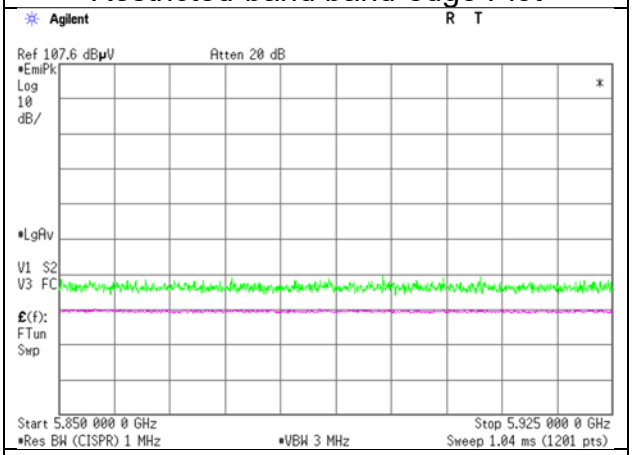
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [52-tone RU/Index 40] 5825 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 54] 5825 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	44.5	-	32.8	6.5	31.1	-	52.7	-	122.2	-	69.5	-	
Hori.	5855.0	43.6	-	32.8	6.5	31.1	-	51.9	-	110.8	-	58.9	-	
Hori.	5875.0	43.0	-	32.8	6.6	31.1	-	51.3	-	105.2	-	53.9	-	
Hori.	5925.0	42.1	-	32.8	6.6	31.1	-	50.4	-	68.2	-	17.8	-	
Vert.	5850.0	44.9	-	32.8	6.5	31.1	-	53.2	-	122.2	-	69.0	-	
Vert.	5855.0	43.9	-	32.8	6.5	31.1	-	52.2	-	110.8	-	58.6	-	
Vert.	5875.0	43.5	-	32.8	6.6	31.1	-	51.8	-	105.2	-	53.4	-	
Vert.	5925.0	43.2	-	32.8	6.6	31.1	-	51.5	-	68.2	-	16.7	-	

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

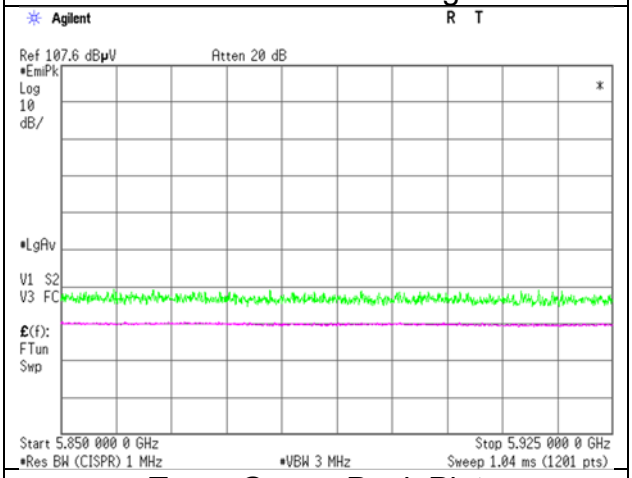
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [106-tone RU/Index 54] 5825 MHz

Horizontal

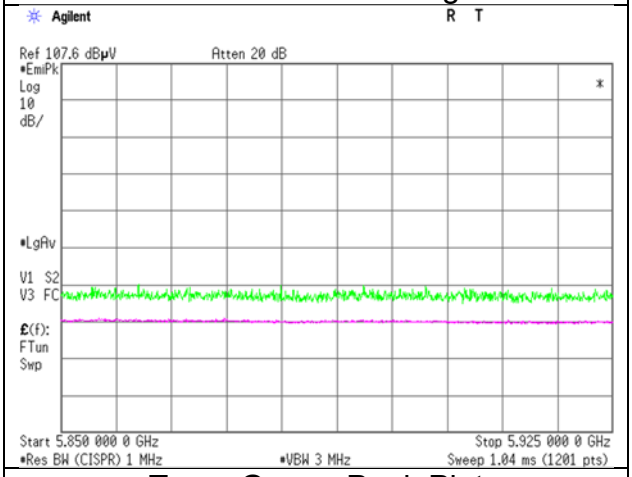
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5825 MHz

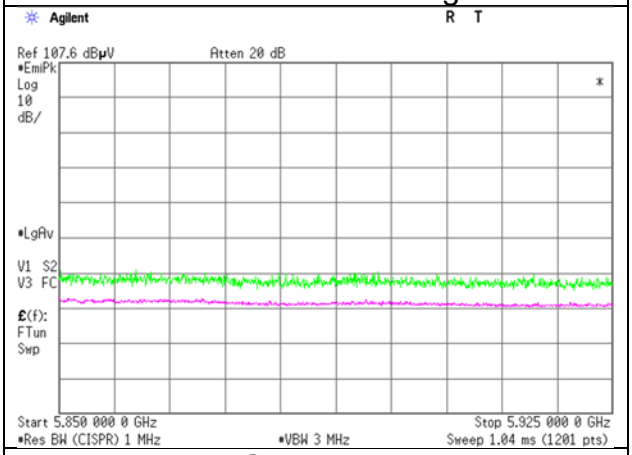
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	50.1	-	32.8	6.5	31.1	-	58.4	-	122.2	-	63.9	-	
Hori.	5855.0	47.7	-	32.8	6.5	31.1	-	55.9	-	110.8	-	54.9	-	
Hori.	5875.0	45.8	-	32.8	6.6	31.1	-	54.1	-	105.2	-	51.1	-	
Hori.	5925.0	44.7	-	32.8	6.6	31.1	-	53.0	-	68.2	-	15.2	-	
Vert.	5850.0	51.9	-	32.8	6.5	31.1	-	60.1	-	122.2	-	62.1	-	
Vert.	5855.0	49.2	-	32.8	6.5	31.1	-	57.5	-	110.8	-	53.3	-	
Vert.	5875.0	46.7	-	32.8	6.6	31.1	-	54.9	-	105.2	-	50.3	-	
Vert.	5925.0	45.0	-	32.8	6.6	31.1	-	53.3	-	68.2	-	14.9	-	

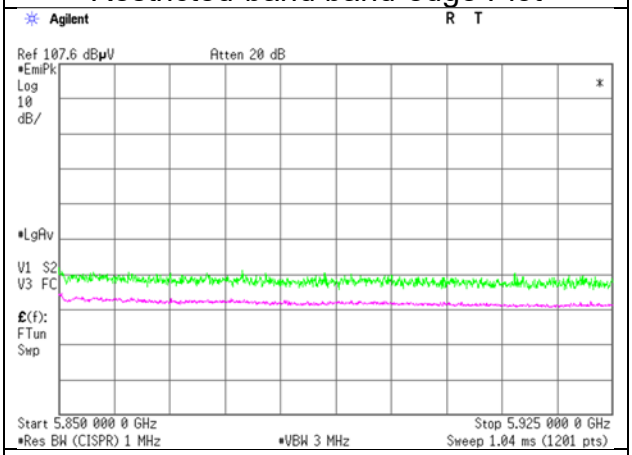
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-20 [242-tone RU/Index 61] 5825 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	23 deg. C / 68 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5190 MHz

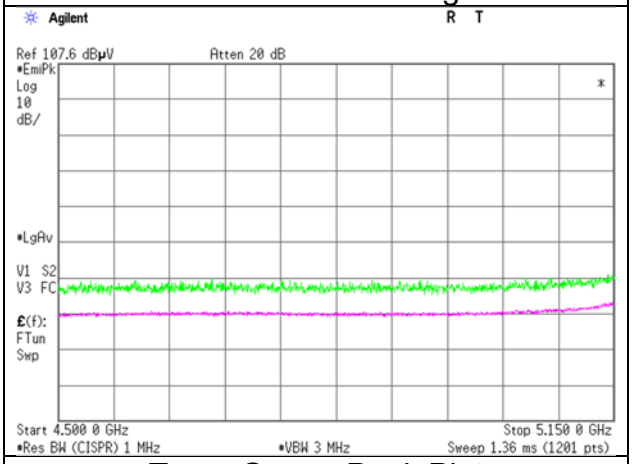
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	50.2	40.9	32.2	6.3	30.9	-	57.8	48.4	73.9	53.9	16.1	5.5	
Hori.	10380.0	43.1	-	35.9	-3.1	32.6	-	43.4	-	68.2	-	24.8	-	
Hori.	15570.0	43.6	35.8	39.3	-1.9	32.2	-	48.8	41.0	73.9	53.9	25.1	12.9	Floor noise
Vert.	5150.0	50.7	41.4	32.2	6.3	30.9	-	58.2	49.0	73.9	53.9	15.7	4.9	
Vert.	10380.0	44.1	-	35.9	-3.1	32.6	-	44.4	-	68.2	-	23.8	-	
Vert.	15570.0	43.7	36.1	39.3	-1.9	32.2	-	48.9	41.3	73.9	53.9	25.0	12.6	Floor noise

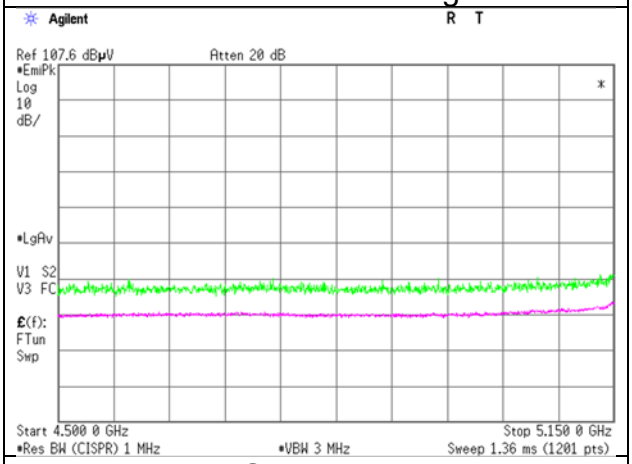
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	23 deg. C / 68 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [OFDM] 5190 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5270 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	10540.0	44.7	-	36.2	-3.0	32.7	-	45.3	-	68.2	-	22.9	-	
Hori.	15810.0	43.3	35.6	39.7	-1.8	32.2	-	48.9	41.2	73.9	53.9	25.0	12.7	Floor noise
Vert.	10540.0	45.6	-	36.2	-3.0	32.7	-	46.2	-	68.2	-	22.1	-	
Vert.	15810.0	43.3	35.3	39.7	-1.8	32.2	-	48.9	40.9	73.9	53.9	25.0	13.0	Floor noise

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

Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5310 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	52.4	42.4	31.8	6.3	30.9	-	59.6	49.6	73.9	53.9	14.3	4.3	
Hori.	10620.0	44.6	36.2	36.6	-3.0	32.7	-	45.5	37.1	73.9	53.9	28.4	16.8	
Hori.	15930.0	43.5	35.4	39.9	-1.8	32.2	-	49.3	41.2	73.9	53.9	24.6	12.7	Floor noise
Vert.	5350.0	54.4	44.4	31.8	6.3	30.9	-	61.6	51.6	73.9	53.9	12.3	2.3	
Vert.	10620.0	45.2	37.1	36.6	-3.0	32.7	-	46.1	38.0	73.9	53.9	27.8	16.0	
Vert.	15930.0	43.9	35.5	39.9	-1.8	32.2	-	49.7	41.3	73.9	53.9	24.2	12.6	Floor noise

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

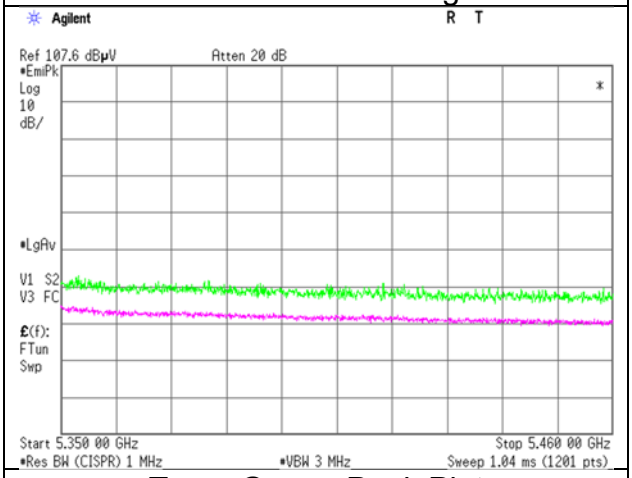
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [OFDM] 5310 MHz

Horizontal

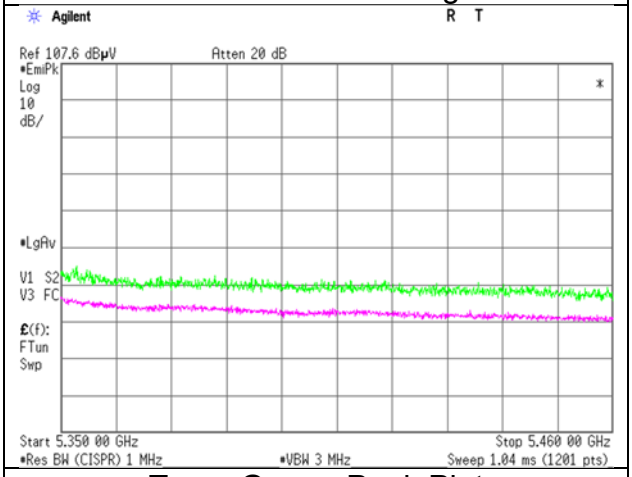
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5510 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	51.1	41.1	32.1	6.4	30.9	-	58.6	48.6	68.2	53.9	9.6	5.3	
Hori.	5470.0	55.0	-	32.1	6.4	30.9	-	62.5	-	68.2	-	5.7	-	
Hori.	11020.0	47.0	38.9	37.3	-2.9	32.8	-	48.6	40.6	73.9	53.9	25.3	13.4	
Hori.	16530.0	42.9	-	39.8	-1.7	32.3	-	48.8	-	68.2	-	19.5	-	Floor noise
Vert.	5460.0	52.9	42.2	32.1	6.4	30.9	-	60.4	49.7	68.2	53.9	7.8	4.2	
Vert.	5470.0	56.6	-	32.1	6.4	30.9	-	64.1	-	68.2	-	4.1	-	
Vert.	11020.0	48.2	39.5	37.3	-2.9	32.8	-	49.9	41.2	73.9	53.9	24.0	12.7	
Vert.	16530.0	43.2	-	39.8	-1.7	32.3	-	49.0	-	68.2	-	19.2	-	Floor noise

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

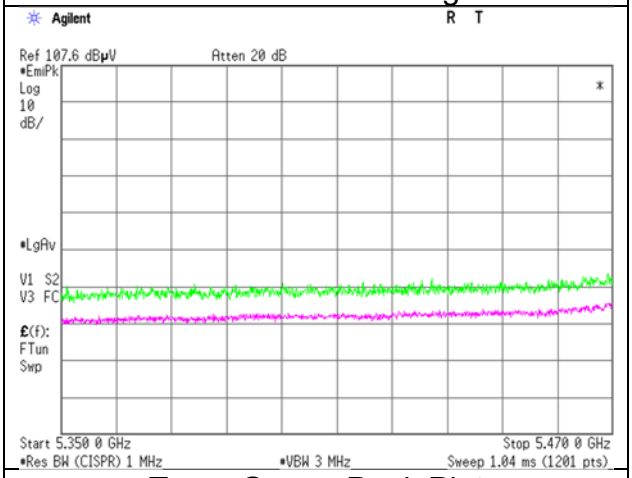
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [OFDM] 5510 MHz

Horizontal

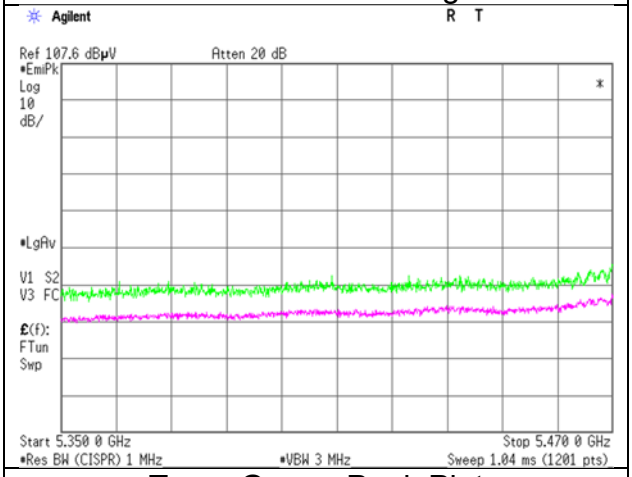
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5550 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	11100.0	46.6	38.3	37.3	-2.9	32.8	-	48.3	40.0	73.9	53.9	25.6	13.9	
Hori.	16650.0	43.7	-	39.7	-1.6	32.3	-	49.4	-	68.2	-	18.8	-	Floor noise
Vert.	11100.0	46.6	38.5	37.3	-2.9	32.8	-	48.2	40.2	73.9	53.9	25.7	13.7	
Vert.	16650.0	43.4	-	39.7	-1.6	32.3	-	49.1	-	68.2	-	19.1	-	Floor noise

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

Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5670 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	47.2	-	32.5	6.5	31.0	-	55.2	-	68.2	-	13.0	-	
Hori.	11340.0	45.4	37.6	37.6	-2.8	32.7	-	47.4	39.7	73.9	53.9	26.5	14.2	
Hori.	17010.0	43.0	-	39.6	-1.6	32.4	-	48.7	-	68.2	-	19.6	-	Floor noise
Vert.	5725.0	48.0	-	32.5	6.5	31.0	-	56.0	-	68.2	-	12.2	-	
Vert.	11340.0	44.2	35.8	37.6	-2.8	32.7	-	46.2	37.8	73.9	53.9	27.7	16.1	
Vert.	17010.0	43.1	-	39.6	-1.6	32.4	-	48.8	-	68.2	-	19.4	-	Floor noise

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

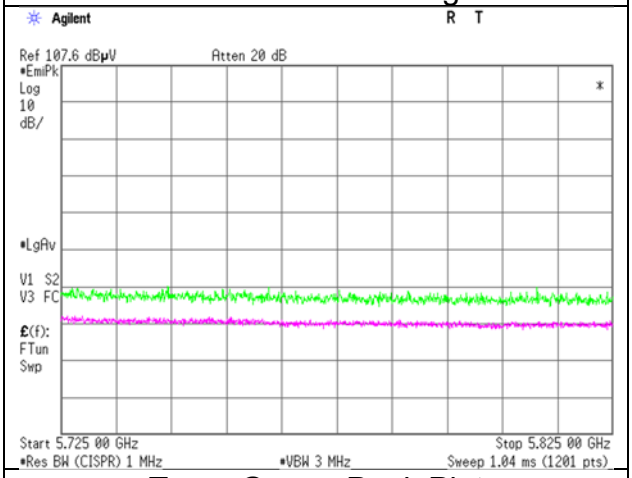
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [OFDM] 5670 MHz

Horizontal

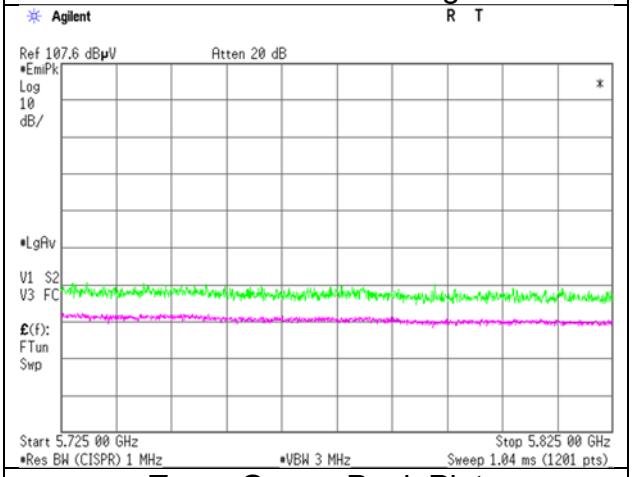
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi	Kiyoshiro Okazaki	Kiyoshiro Okazaki	Takafumi Noguchi
	(1 GHz to 6 GHz)	(6 GHz to 10 GHz)	(10 GHz to 18 GHz)	(18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi
	(Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5755 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	45.1	-	32.4	6.5	31.0	-	52.9	-	68.2	-	15.3	-	
Hori.	5700.0	46.4	-	32.5	6.5	31.0	-	54.3	-	105.2	-	50.9	-	
Hori.	5720.0	54.7	-	32.5	6.5	31.0	-	62.7	-	110.8	-	48.1	-	
Hori.	5725.0	56.1	-	32.5	6.5	31.0	-	64.1	-	122.2	-	58.1	-	
Hori.	11510.0	43.0	35.3	37.7	-2.8	32.7	-	45.3	37.5	73.9	53.9	28.7	16.4	
Hori.	17265.0	43.7	-	39.9	-1.5	32.4	-	49.7	-	68.2	-	18.5	-	Floor noise
Vert.	5650.0	46.2	-	32.4	6.5	31.0	-	54.0	-	68.2	-	14.2	-	
Vert.	5700.0	47.4	-	32.5	6.5	31.0	-	55.3	-	105.2	-	49.9	-	
Vert.	5720.0	54.5	-	32.5	6.5	31.0	-	62.5	-	110.8	-	48.3	-	
Vert.	5725.0	56.3	-	32.5	6.5	31.0	-	64.3	-	122.2	-	57.9	-	
Vert.	11510.0	43.9	34.5	37.7	-2.8	32.7	-	46.2	36.7	73.9	53.9	27.8	17.2	
Vert.	17265.0	43.4	-	39.9	-1.5	32.4	-	49.5	-	68.2	-	18.7	-	Floor noise

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

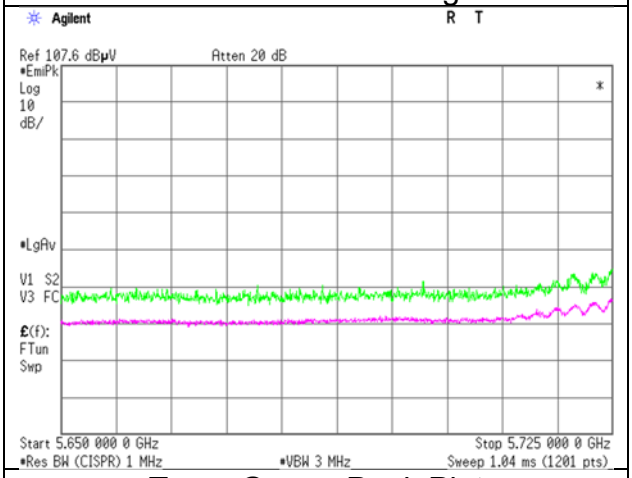
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [OFDM] 5755 MHz

Horizontal

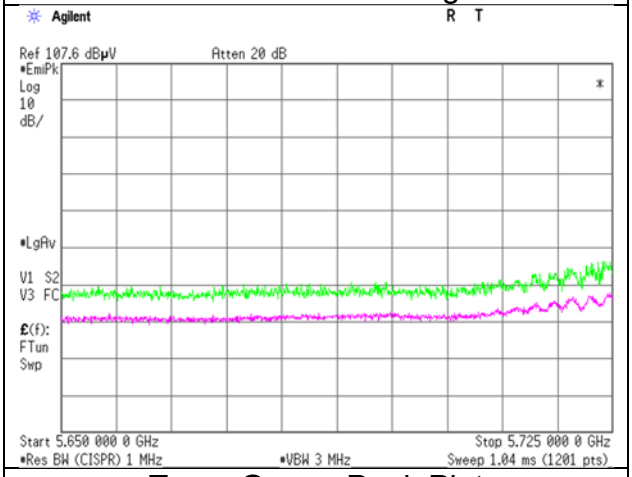
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.			
Semi Anechoic Chamber	No.4	No.4	No.4	No.4
Date	July 19, 2024	July 24, 2024	July 25, 2024	July 26, 2024
Temperature / Humidity	22 deg. C / 57 % RH	22 deg. C / 62 % RH	23 deg. C / 63 % RH	22 deg. C / 56 % RH
Engineer	Takafumi Noguchi (1 GHz to 6 GHz)	Kiyoshiro Okazaki (6 GHz to 10 GHz)	Kiyoshiro Okazaki (10 GHz to 18 GHz)	Takafumi Noguchi (18 GHz to 26.5 GHz)

Semi Anechoic Chamber	No.4
Date	July 28, 2024
Temperature / Humidity	23 deg. C / 58 % RH
Engineer	Takafumi Noguchi (Above 26.5 GHz)
Mode	Tx 11ax-40 [OFDM] 5795 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5850.0	48.0	-	32.8	6.5	31.1	-	56.3	-	122.2	-	65.9	-	
Hori.	5855.0	47.6	-	32.8	6.5	31.1	-	55.9	-	110.8	-	54.9	-	
Hori.	5875.0	46.3	-	32.8	6.6	31.1	-	54.6	-	105.2	-	50.6	-	
Hori.	5925.0	44.5	-	32.8	6.6	31.1	-	52.8	-	68.2	-	15.4	-	
Hori.	11590.0	41.4	33.8	37.7	-2.8	32.7	-	43.7	36.1	73.9	53.9	30.2	17.8	
Hori.	17385.0	42.9	-	40.0	-1.4	32.4	-	49.1	-	68.2	-	19.2	-	Floor noise
Vert.	5850.0	47.7	-	32.8	6.5	31.1	-	56.0	-	122.2	-	66.2	-	
Vert.	5855.0	47.3	-	32.8	6.5	31.1	-	55.6	-	110.8	-	55.2	-	
Vert.	5875.0	46.2	-	32.8	6.6	31.1	-	54.5	-	105.2	-	50.7	-	
Vert.	5925.0	44.5	-	32.8	6.6	31.1	-	52.8	-	68.2	-	15.4	-	
Vert.	11590.0	42.0	33.6	37.7	-2.8	32.7	-	44.3	35.9	73.9	53.9	29.6	18.0	
Vert.	17385.0	43.0	-	40.0	-1.4	32.4	-	49.2	-	68.2	-	19.0	-	Floor noise

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

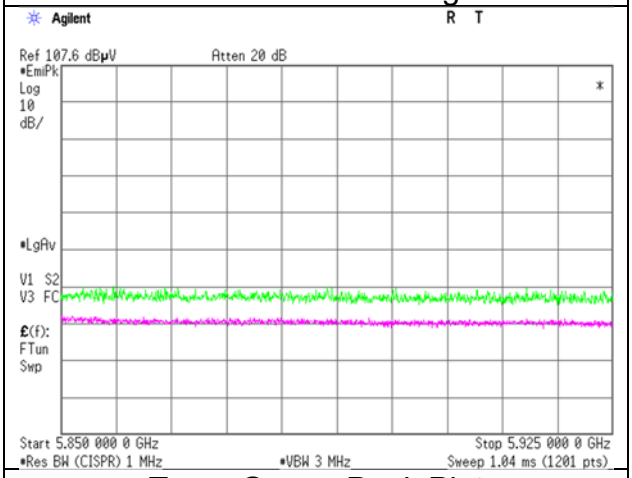
Distance factor:	1 GHz - 6 GHz	20log (3.9 m / 3.0 m) = 2.28 dB
	6 GHz - 10 GHz	20log (4.9 m / 3.0 m) = 4.27 dB
	10 GHz - 40 GHz	20log (1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 19, 2024
Temperature / Humidity	22 deg. C / 57 % RH
Engineer	Takafumi Noguchi
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [OFDM] 5795 MHz

Horizontal

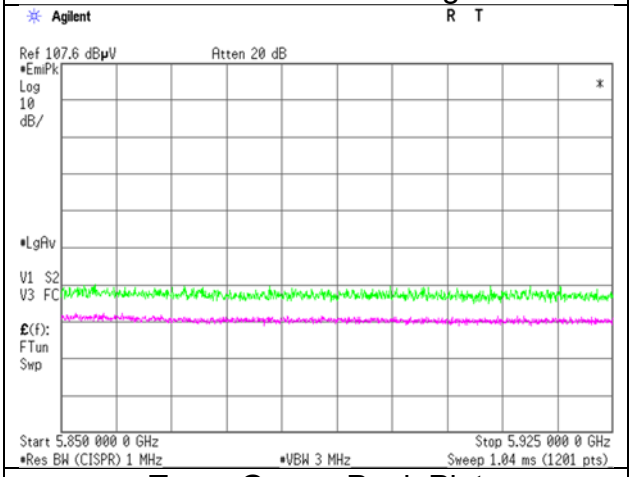
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 0] 5190 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	41.2	33.1	32.2	6.3	30.9	0.3	48.8	40.9	73.9	53.9	25.1	13.0	*1)
Vert.	5150.0	41.8	33.4	32.2	6.3	30.9	0.3	49.4	41.2	73.9	53.9	24.5	12.7	*1)

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

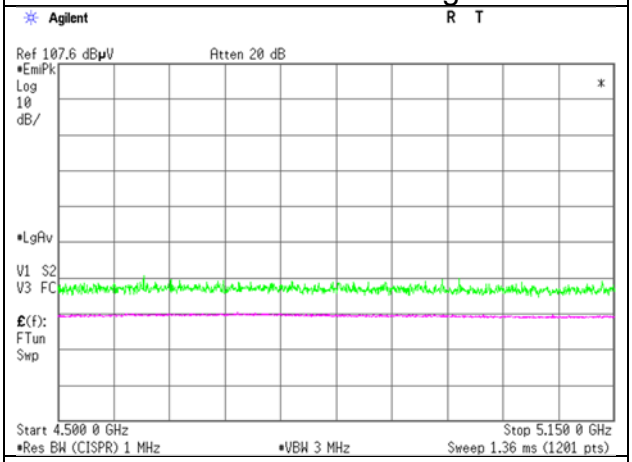
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 0] 5190 MHz

Horizontal

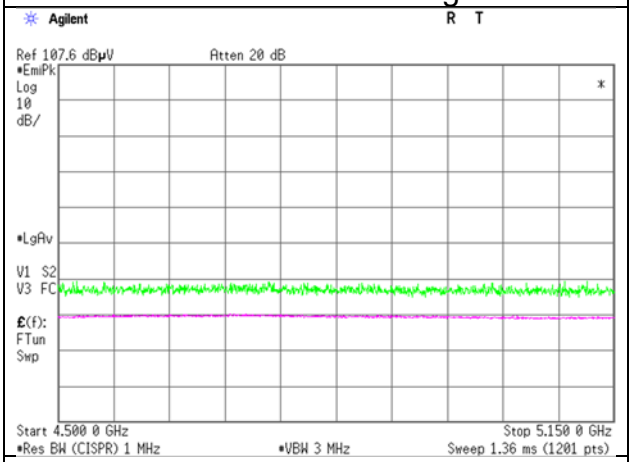
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 37] 5190 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	43.7	33.8	32.2	6.3	30.9	0.3	51.3	41.6	73.9	53.9	22.6	12.3	*1)
Vert.	5150.0	42.9	33.7	32.2	6.3	30.9	0.3	50.5	41.5	73.9	53.9	23.4	12.4	*1)

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

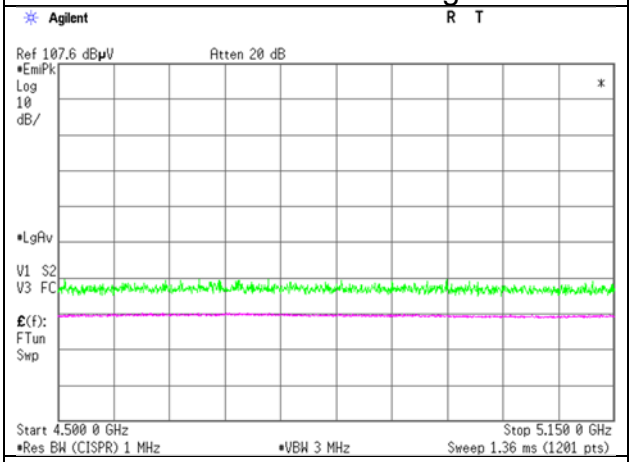
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 37] 5190 MHz

Horizontal

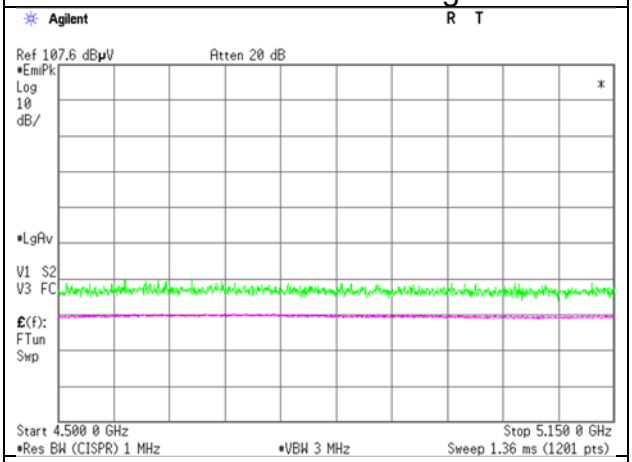
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 53] 5190 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	43.8	35.2	32.2	6.3	30.9	0.3	51.4	43.1	73.9	53.9	22.5	10.8	*1)
Vert.	5150.0	44.5	35.8	32.2	6.3	30.9	0.3	52.1	43.7	73.9	53.9	21.9	10.2	*1)

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

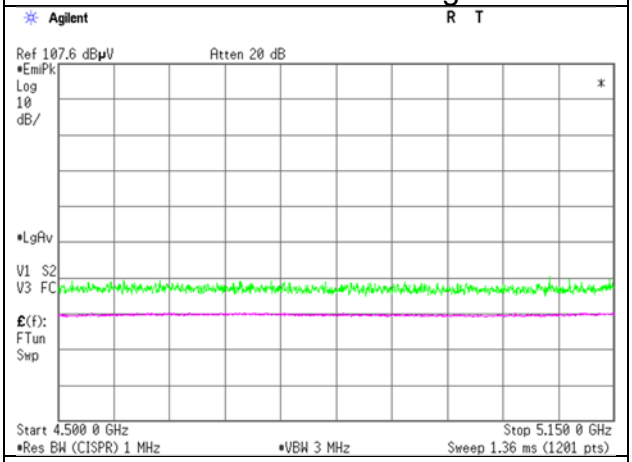
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 53] 5190 MHz

Horizontal

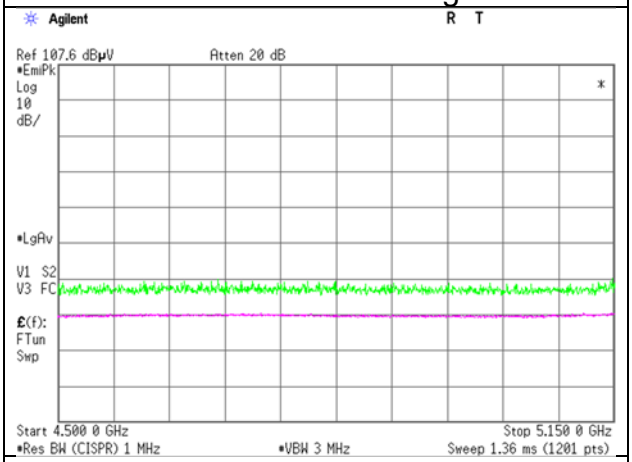
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 61] 5190 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	47.0	38.3	32.2	6.3	30.9	0.4	54.5	46.2	73.9	53.9	19.4	7.7	*1)
Vert.	5150.0	47.1	38.2	32.2	6.3	30.9	0.4	54.6	46.1	73.9	53.9	19.3	7.8	*1)

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

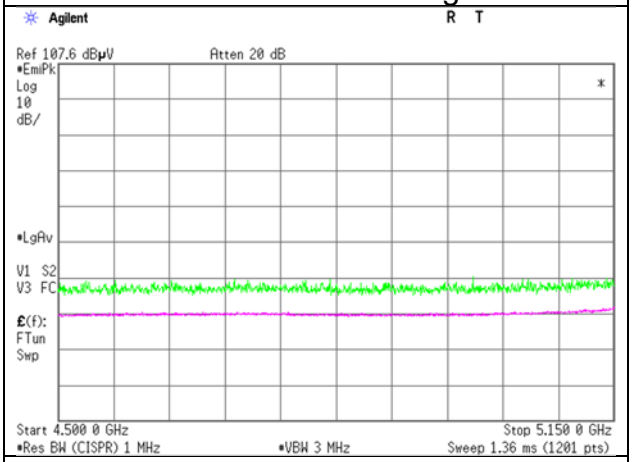
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 61] 5190 MHz

Horizontal

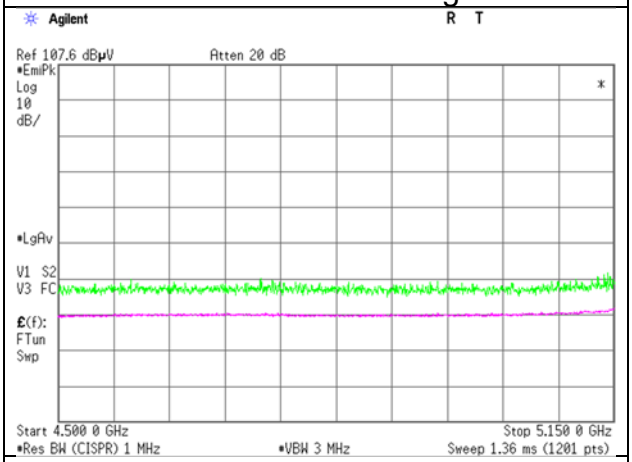
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5190 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5150.0	48.9	39.5	32.2	6.3	30.9	0.4	56.5	47.4	73.9	53.9	17.4	6.5	*1)
Vert.	5150.0	49.2	40.3	32.2	6.3	30.9	0.4	56.8	48.2	73.9	53.9	17.1	5.7	*1)

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

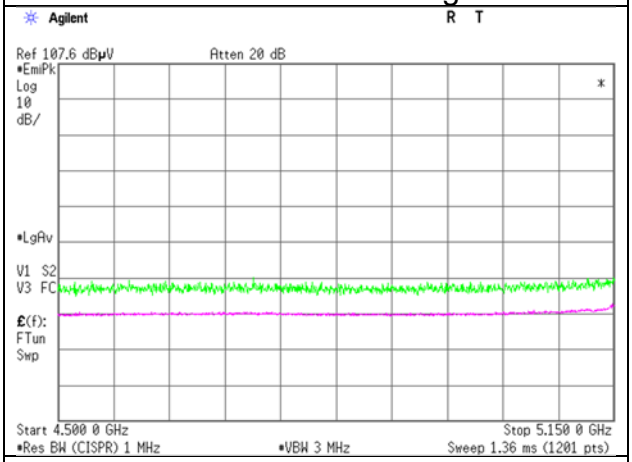
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5190 MHz

Horizontal

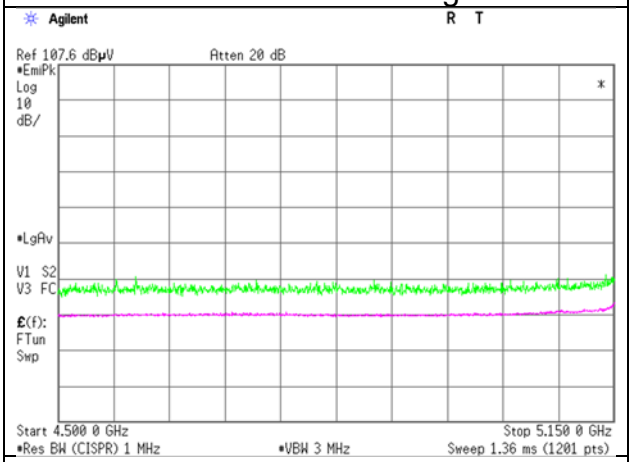
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 17] 5310 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	42.7	33.9	31.8	6.3	30.9	0.3	49.8	41.3	73.9	53.9	24.1	12.6	*1)
Vert.	5350.0	43.0	34.1	31.8	6.3	30.9	0.3	50.2	41.5	73.9	53.9	23.7	12.4	*1)

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

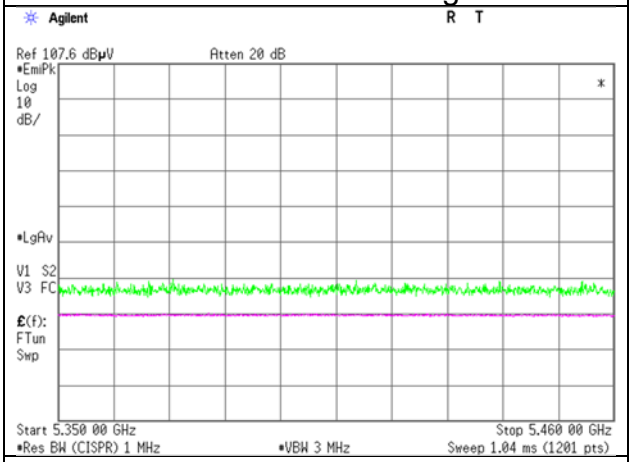
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 17] 5310 MHz

Horizontal

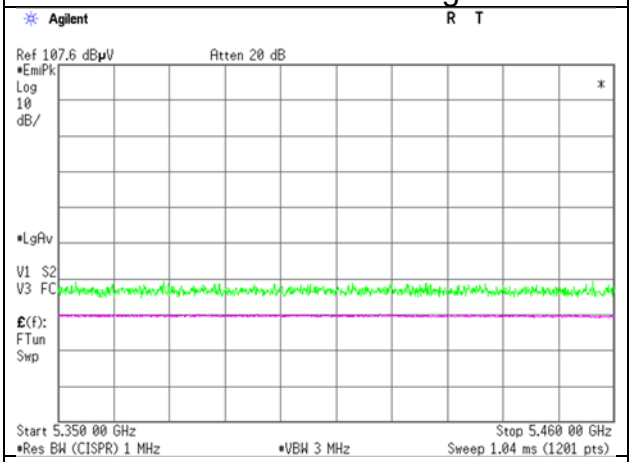
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 44] 5310 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	44.5	35.1	31.8	6.3	30.9	0.3	51.7	42.5	73.9	53.9	22.2	11.4	*1)
Vert.	5350.0	44.1	35.8	31.8	6.3	30.9	0.3	51.3	43.2	73.9	53.9	22.6	10.7	*1)

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

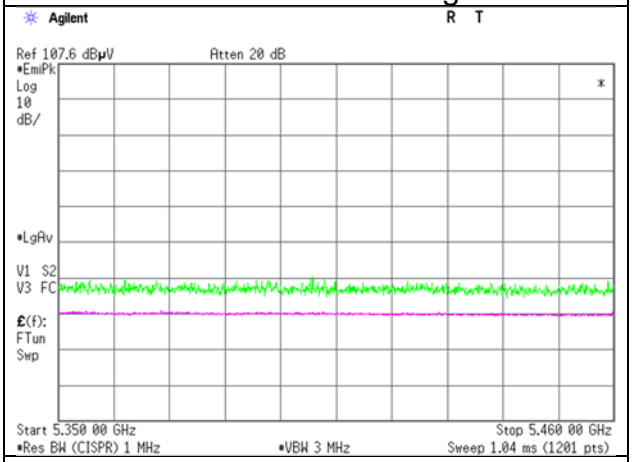
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 44] 5310 MHz

Horizontal

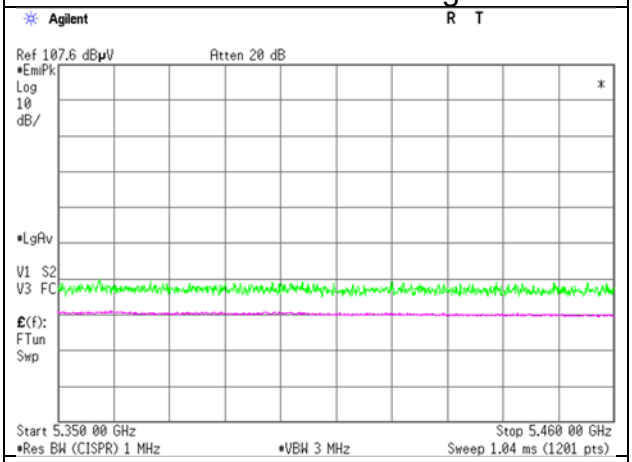
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 56] 5310 MHz

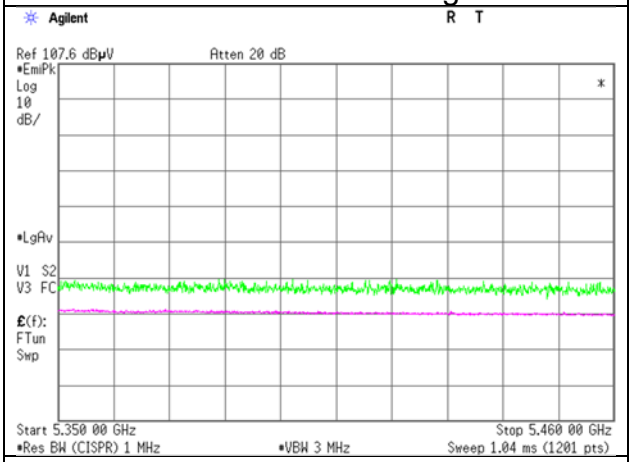
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	46.2	36.8	31.8	6.3	30.9	0.3	53.4	44.3	73.9	53.9	20.5	9.6	*1)
Vert.	5350.0	45.8	37.2	31.8	6.3	30.9	0.3	52.9	44.7	73.9	53.9	21.0	9.2	*1)

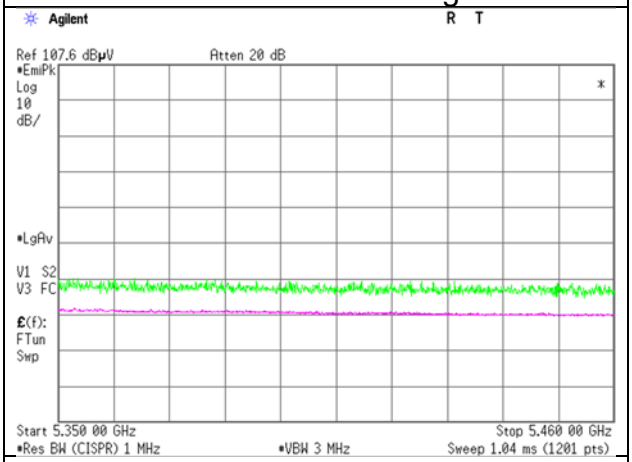
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 56] 5310 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 62] 5310 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	49.3	40.4	31.8	6.3	30.9	0.4	56.5	48.0	73.9	53.9	17.4	5.9	*1)
Vert.	5350.0	50.4	40.5	31.8	6.3	30.9	0.4	57.6	48.1	73.9	53.9	16.3	5.8	*1)

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

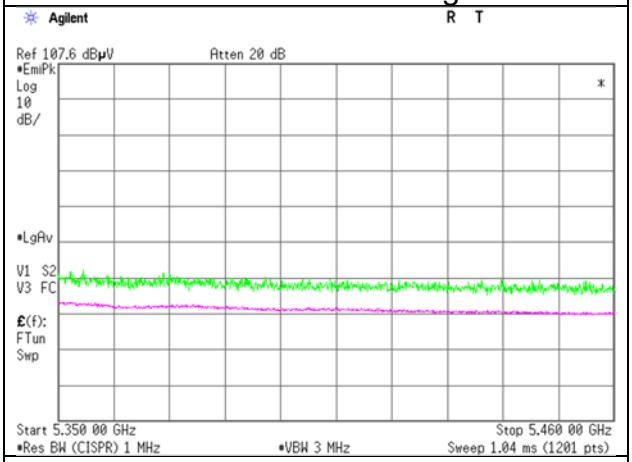
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 62] 5310 MHz

Horizontal

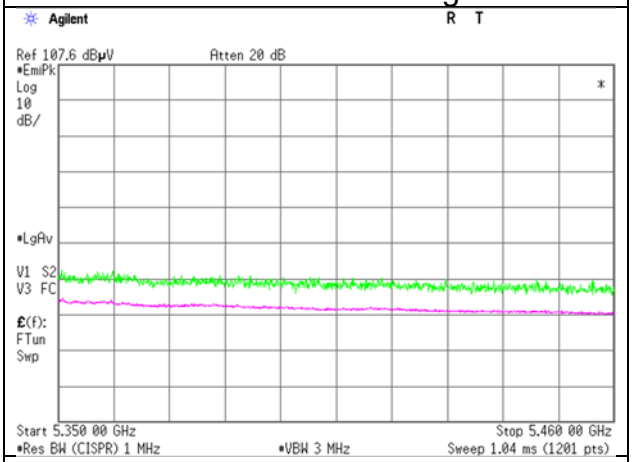
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5310 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5350.0	52.1	42.3	31.8	6.3	30.9	0.4	59.3	49.9	73.9	53.9	14.6	4.0	*1)
Vert.	5350.0	51.5	42.5	31.8	6.3	30.9	0.4	58.7	50.1	73.9	53.9	15.2	3.8	*1)

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

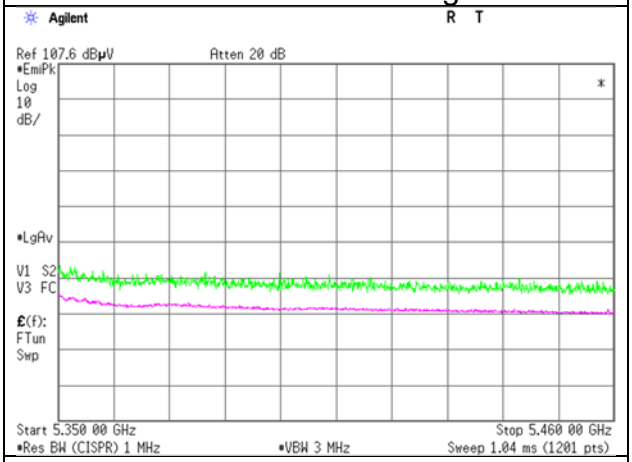
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 67 % RH
Engineer	Takumi Nishida
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5310 MHz

Horizontal

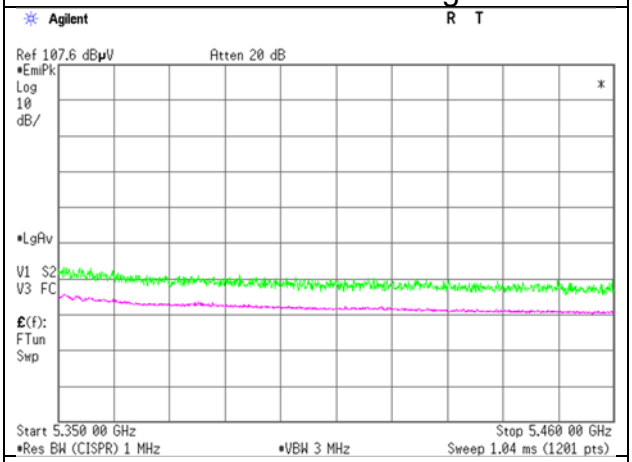
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 0] 5510 MHz

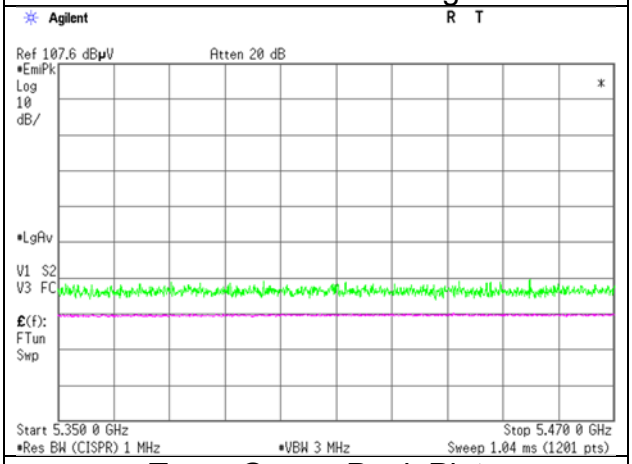
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	42.5	33.5	32.1	6.4	30.9	0.3	50.0	41.2	68.2	53.9	18.2	12.7	*1)
Hori.	5470.0	42.6	-	32.1	6.4	30.9	-	50.1	-	68.2	-	18.1	-	
Vert.	5460.0	42.1	33.6	32.1	6.4	30.9	0.3	49.6	41.3	68.2	53.9	18.6	12.6	*1)
Vert.	5470.0	42.7	-	32.1	6.4	30.9	-	50.2	-	68.2	-	18.0	-	

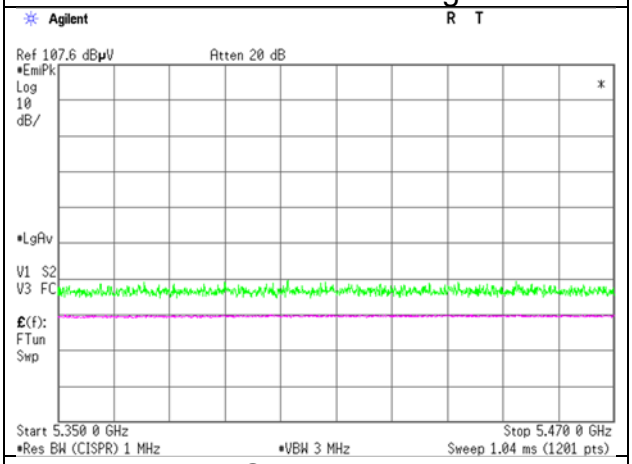
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 0] 5510 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 37] 5510 MHz

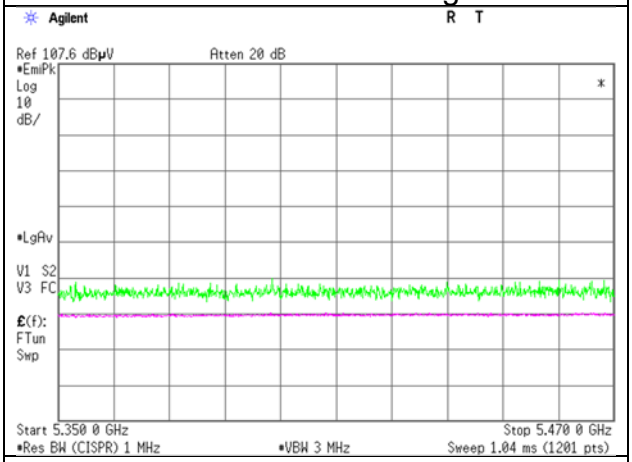
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	43.9	34.2	32.1	6.4	30.9	0.3	51.4	42.0	68.2	53.9	16.9	11.9	*1)
Hori.	5470.0	43.0	-	32.1	6.4	30.9	-	50.5	-	68.2	-	17.7	-	
Vert.	5460.0	44.3	34.6	32.1	6.4	30.9	0.3	51.8	42.4	68.2	53.9	16.4	11.5	*1)
Vert.	5470.0	43.4	-	32.1	6.4	30.9	-	50.9	-	68.2	-	17.3	-	

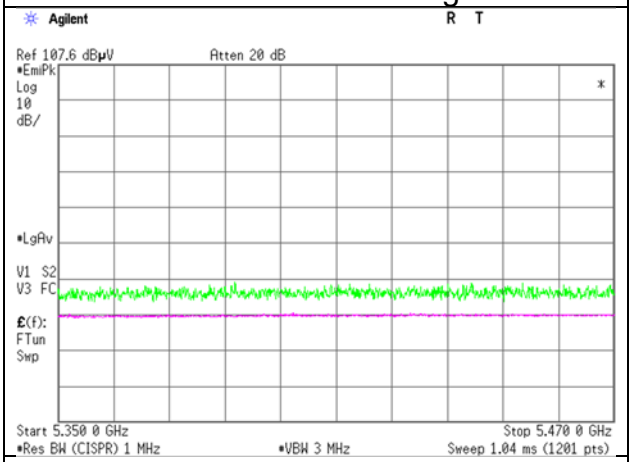
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 37] 5510 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 53] 5510 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	45.3	35.8	32.1	6.4	30.9	0.3	52.8	43.7	68.2	53.9	15.4	10.2	*1)
Hori.	5470.0	45.5	-	32.1	6.4	30.9	-	53.1	-	68.2	-	15.1	-	
Vert.	5460.0	44.7	36.0	32.1	6.4	30.9	0.3	52.2	43.8	68.2	53.9	16.0	10.1	*1)
Vert.	5470.0	45.3	-	32.1	6.4	30.9	-	52.8	-	68.2	-	15.4	-	

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

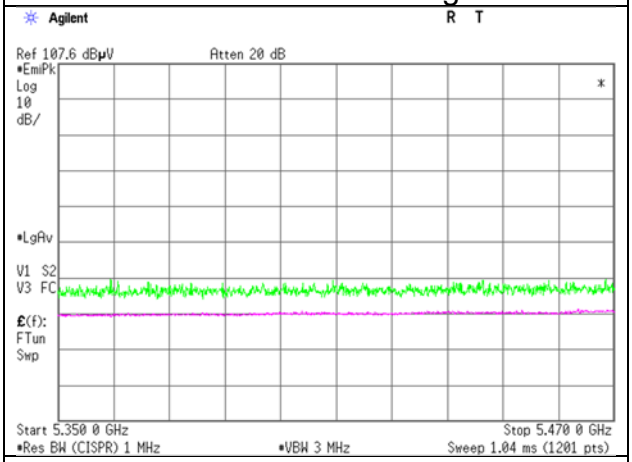
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 53] 5510 MHz

Horizontal

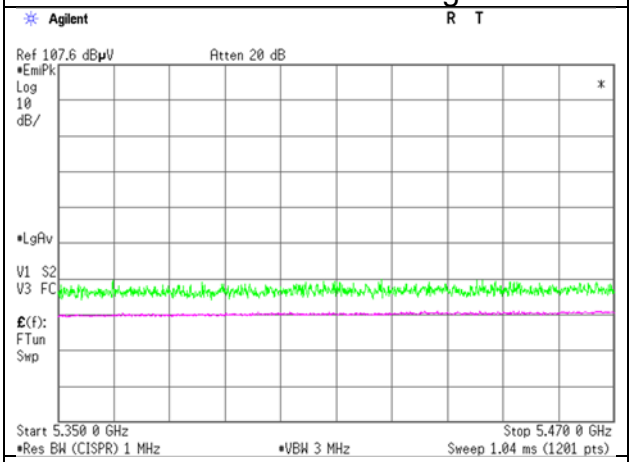
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 61] 5510 MHz

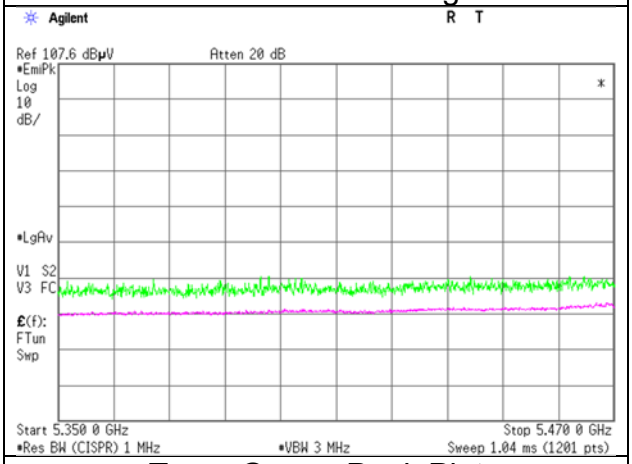
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	47.4	38.5	32.1	6.4	30.9	0.4	54.9	46.4	68.2	53.9	13.3	7.5	*1)
Hori.	5470.0	47.6	-	32.1	6.4	30.9	-	55.2	-	68.2	-	13.1	-	
Vert.	5460.0	47.6	39.0	32.1	6.4	30.9	0.4	55.1	46.9	68.2	53.9	13.2	7.1	*1)
Vert.	5470.0	48.6	-	32.1	6.4	30.9	-	56.1	-	68.2	-	12.1	-	

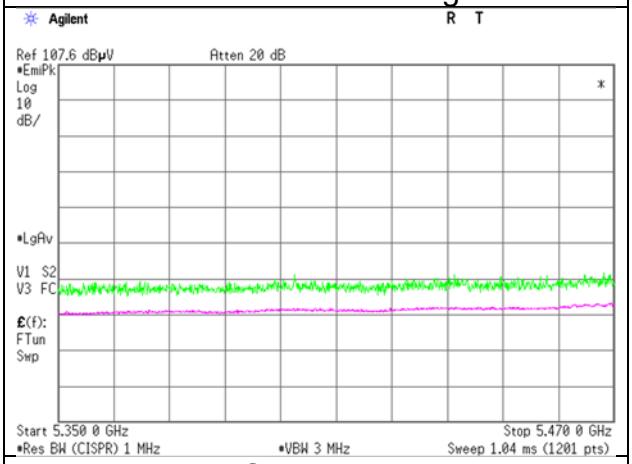
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 61] 5510 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5510 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5460.0	47.9	38.6	32.1	6.4	30.9	0.4	55.4	46.4	68.2	53.9	12.8	7.5	*1)
Hori.	5470.0	50.0	-	32.1	6.4	30.9	-	57.5	-	68.2	-	10.7	-	
Vert.	5460.0	47.4	38.8	32.1	6.4	30.9	0.4	54.9	46.6	68.2	53.9	13.3	7.3	*1)
Vert.	5470.0	50.9	-	32.1	6.4	30.9	-	58.4	-	68.2	-	9.8	-	

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

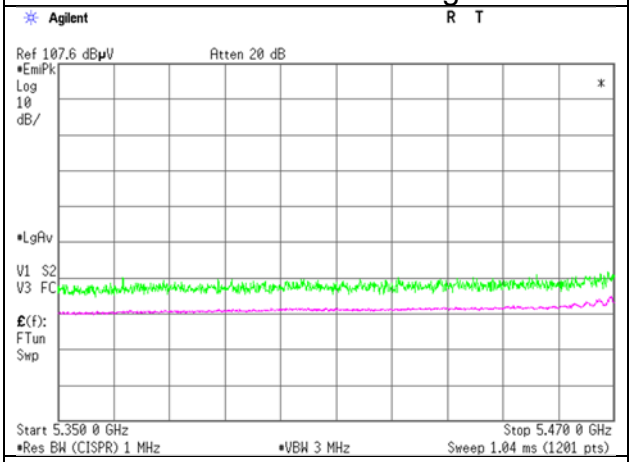
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5510 MHz

Horizontal

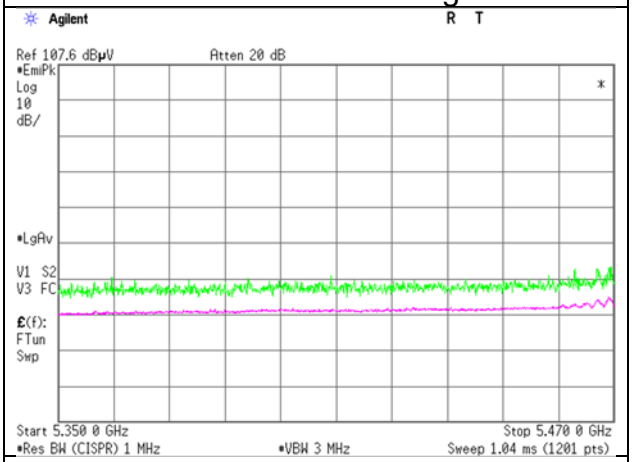
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 17] 5670 MHz

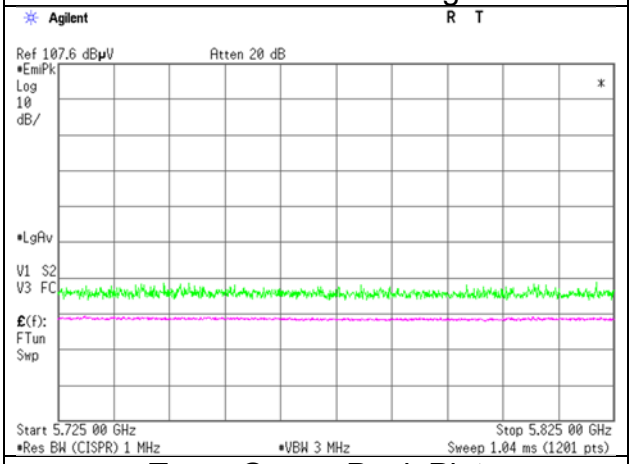
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	41.3	-	32.5	6.5	31.0	-	49.3	-	68.2	-	18.9	-	
Vert.	5725.0	41.9	-	32.5	6.5	31.0	-	49.9	-	68.2	-	18.3	-	

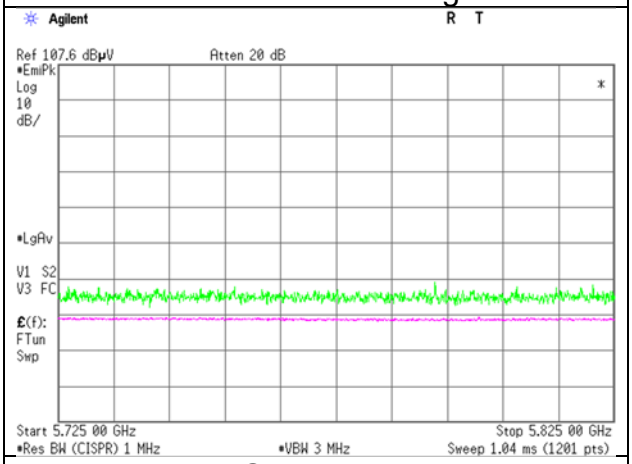
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 17] 5670 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 44] 5670 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	42.2	-	32.5	6.5	31.0	-	50.3	-	68.2	-	18.0	-	
Vert.	5725.0	43.5	-	32.5	6.5	31.0	-	51.5	-	68.2	-	16.7	-	

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

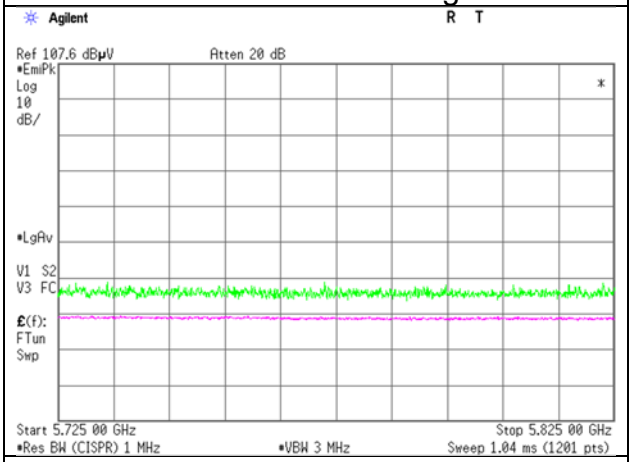
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 44] 5670 MHz

Horizontal

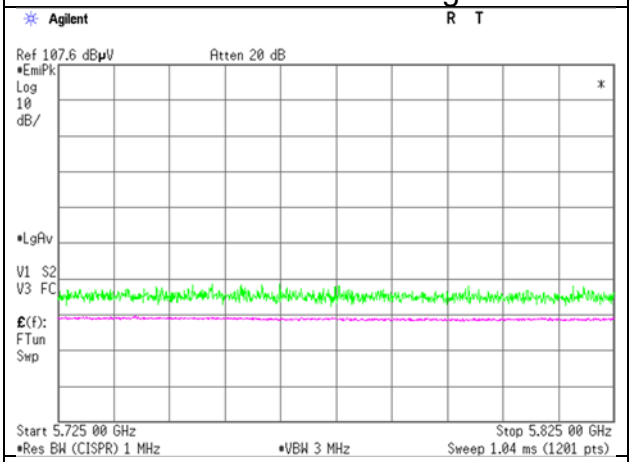
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 56] 5670 MHz

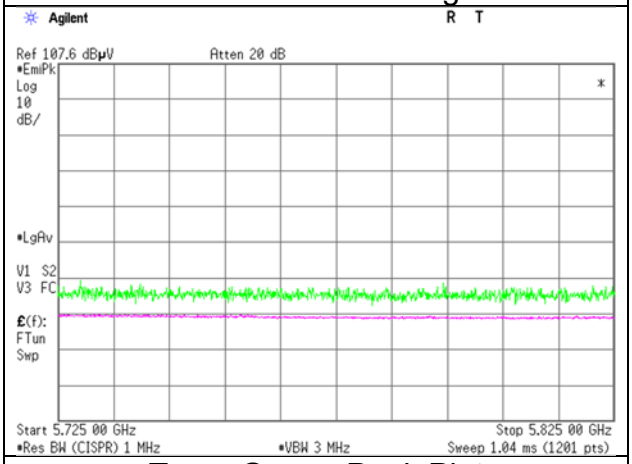
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	43.5	-	32.5	6.5	31.0	-	51.5	-	68.2	-	16.7	-	
Vert.	5725.0	43.4	-	32.5	6.5	31.0	-	51.4	-	68.2	-	16.8	-	

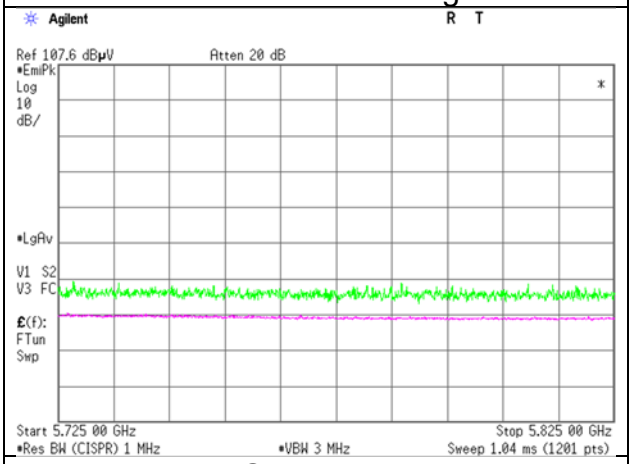
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 56] 5670 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 62] 5670 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	45.7	-	32.5	6.5	31.0	-	53.7	-	68.2	-	14.5	-	
Vert.	5725.0	45.2	-	32.5	6.5	31.0	-	53.2	-	68.2	-	15.0	-	

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

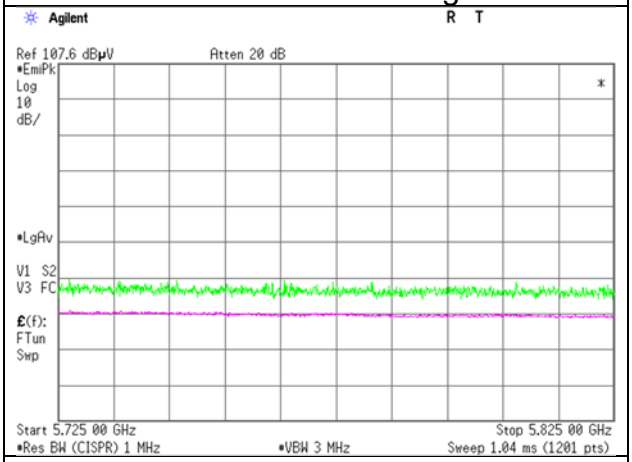
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 62] 5670 MHz

Horizontal

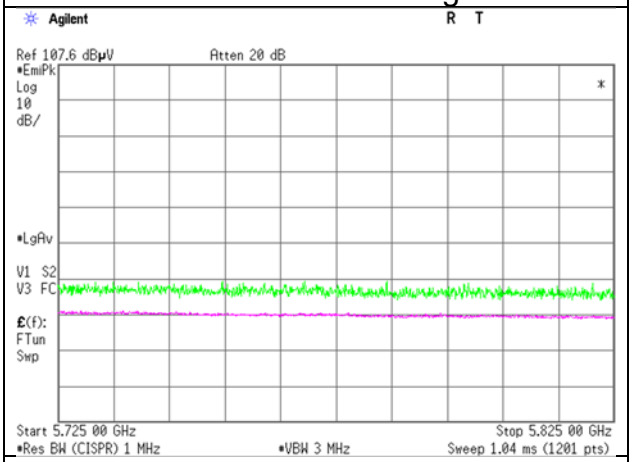
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5670 MHz

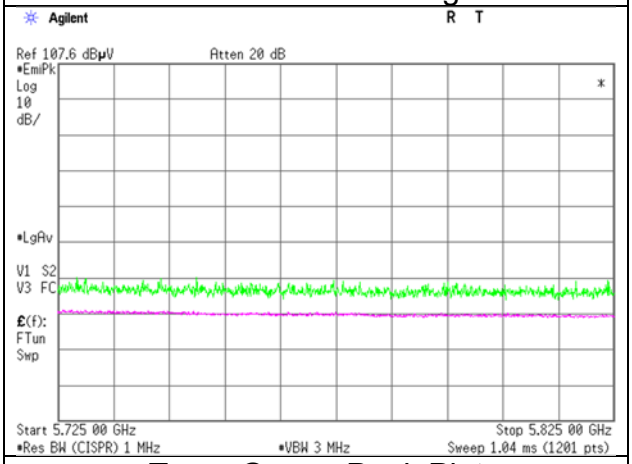
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5725.0	46.3	-	32.5	6.5	31.0	-	54.3	-	68.2	-	13.9	-	
Vert.	5725.0	47.6	-	32.5	6.5	31.0	-	55.6	-	68.2	-	12.6	-	

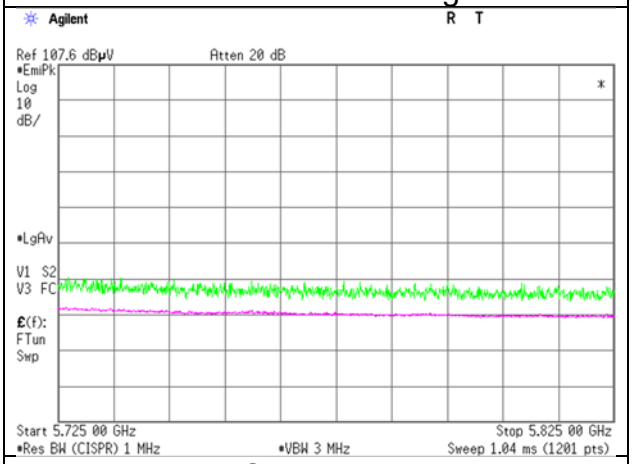
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [484-tone RU/Index 65] 5670 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 0] 5755 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	41.0	-	32.4	6.5	31.0	-	48.9	-	68.2	-	19.3	-	
Hori.	5700.0	41.3	-	32.5	6.5	31.0	-	49.3	-	105.2	-	55.9	-	
Hori.	5720.0	41.4	-	32.5	6.5	31.0	-	49.4	-	110.8	-	61.4	-	
Hori.	5725.0	41.9	-	32.5	6.5	31.0	-	50.0	-	122.2	-	72.3	-	
Vert.	5650.0	41.1	-	32.4	6.5	31.0	-	48.9	-	68.2	-	19.3	-	
Vert.	5700.0	41.2	-	32.5	6.5	31.0	-	49.2	-	105.2	-	56.1	-	
Vert.	5720.0	41.7	-	32.5	6.5	31.0	-	49.6	-	110.8	-	61.2	-	
Vert.	5725.0	41.7	-	32.5	6.5	31.0	-	49.7	-	122.2	-	72.5	-	

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

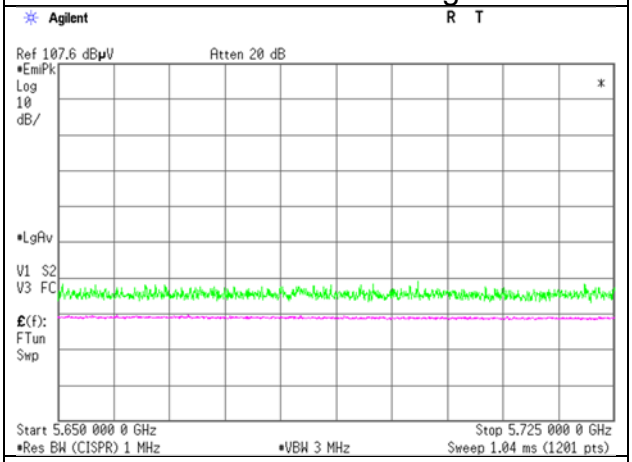
Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [26-tone RU/Index 0] 5755 MHz

Horizontal

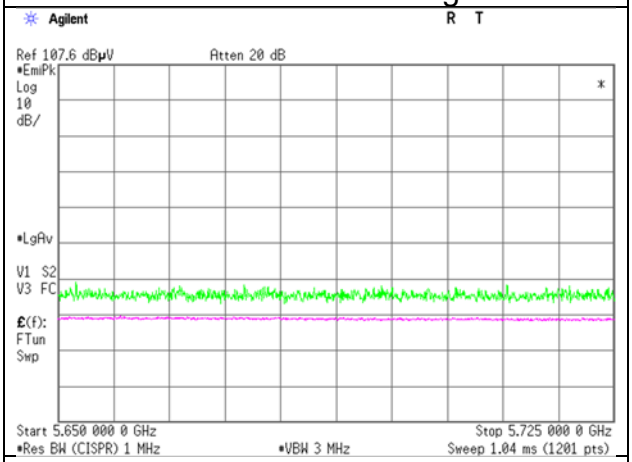
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 37] 5755 MHz

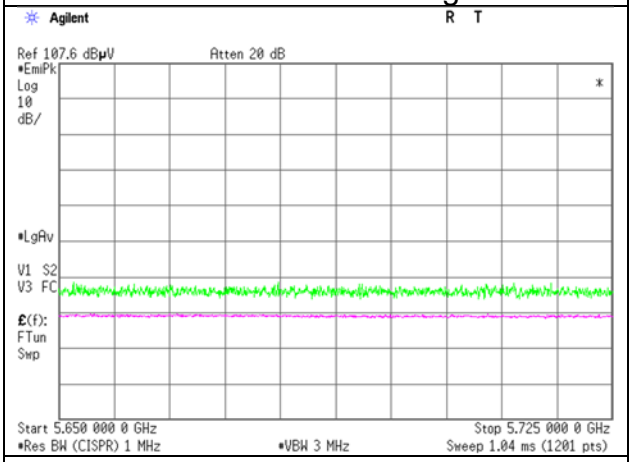
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	42.2	-	32.4	6.5	31.0	-	50.0	-	68.2	-	18.2	-	
Hori.	5700.0	42.8	-	32.5	6.5	31.0	-	50.7	-	105.2	-	54.5	-	
Hori.	5720.0	42.9	-	32.5	6.5	31.0	-	50.9	-	110.8	-	59.9	-	
Hori.	5725.0	43.3	-	32.5	6.5	31.0	-	51.3	-	122.2	-	70.9	-	
Vert.	5650.0	41.9	-	32.4	6.5	31.0	-	49.7	-	68.2	-	18.5	-	
Vert.	5700.0	42.0	-	32.5	6.5	31.0	-	50.0	-	105.2	-	55.3	-	
Vert.	5720.0	42.3	-	32.5	6.5	31.0	-	50.3	-	110.8	-	60.5	-	
Vert.	5725.0	43.6	-	32.5	6.5	31.0	-	51.6	-	122.2	-	70.6	-	

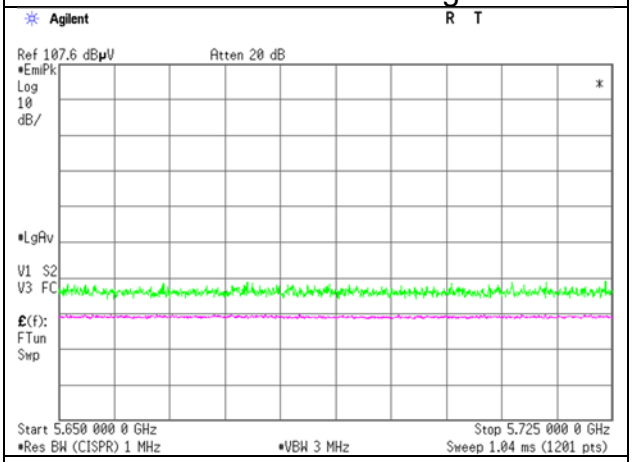
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [52-tone RU/Index 37] 5755 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 53] 5755 MHz

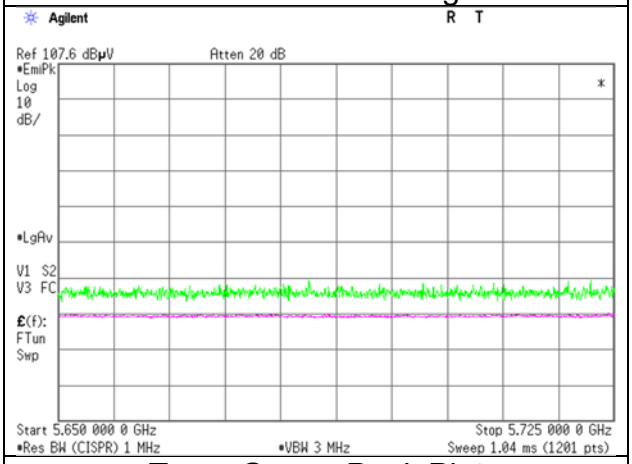
Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	42.1	-	32.4	6.5	31.0	-	49.9	-	68.2	-	18.3	-	
Hori.	5700.0	42.2	-	32.5	6.5	31.0	-	50.1	-	105.2	-	55.1	-	
Hori.	5720.0	43.4	-	32.5	6.5	31.0	-	51.4	-	110.8	-	59.4	-	
Hori.	5725.0	44.1	-	32.5	6.5	31.0	-	52.1	-	122.2	-	70.1	-	
Vert.	5650.0	42.5	-	32.4	6.5	31.0	-	50.3	-	68.2	-	17.9	-	
Vert.	5700.0	42.7	-	32.5	6.5	31.0	-	50.6	-	105.2	-	54.6	-	
Vert.	5720.0	42.8	-	32.5	6.5	31.0	-	50.8	-	110.8	-	60.0	-	
Vert.	5725.0	44.7	-	32.5	6.5	31.0	-	52.7	-	122.2	-	69.5	-	

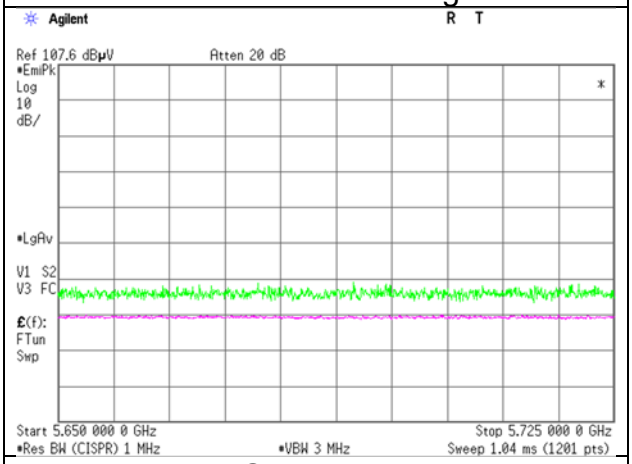
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor
*Other frequency noises omitted in this report were not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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [106-tone RU/Index 53] 5755 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

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

Radiated Spurious Emission

Test place	Ise EMC Lab.
Semi Anechoic Chamber	No.4
Date	July 22, 2024
Temperature / Humidity	23 deg. C / 57 % RH
Engineer	Kiyoshiro Okazaki
	(1 GHz to 6 GHz)
Mode	Tx 11ax-40 [242-tone RU/Index 61] 5755 MHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (QP / PK) [dBuV]	Reading (AV) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (QP / PK) [dBuV/m]	Result (AV) [dBuV/m]	Limit (QP / PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (QP / PK) [dB]	Margin (AV) [dB]	Remark
Hori.	5650.0	43.2	-	32.4	6.5	31.0	-	51.0	-	68.2	-	17.2	-	
Hori.	5700.0	45.3	-	32.5	6.5	31.0	-	53.2	-	105.2	-	52.0	-	
Hori.	5720.0	50.4	-	32.5	6.5	31.0	-	58.4	-	110.8	-	52.4	-	
Hori.	5725.0	52.8	-	32.5	6.5	31.0	-	60.8	-	122.2	-	61.4	-	
Vert.	5650.0	43.5	-	32.4	6.5	31.0	-	51.3	-	68.2	-	16.9	-	
Vert.	5700.0	45.3	-	32.5	6.5	31.0	-	53.2	-	105.2	-	52.0	-	
Vert.	5720.0	47.4	-	32.5	6.5	31.0	-	55.4	-	110.8	-	55.4	-	
Vert.	5725.0	52.0	-	32.5	6.5	31.0	-	60.0	-	122.2	-	62.2	-	

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

Distance factor: 1 GHz - 6 GHz 20log (3.9 m / 3.0 m) = 2.28 dB